

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090420\
 Data File : VD066572.D
 Acq On : 04 Sep 2020 19:24
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

sam
 9/8/2020 5:43:26 PM

Quant Time: Sep 05 05:45:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 04 01:57:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	444467	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	766341	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	696435	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	333653	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	257360	47.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.72%	
35) Dibromofluoromethane	7.91	113	241236	46.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.32%	
50) Toluene-d8	10.34	98	872697	47.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.46%	
62) 4-Bromofluorobenzene	12.63	95	307537	50.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.38%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.99	85	182674	49.752	ug/l	86
3) Chloromethane	2.21	50	272382	48.459	ug/l	99
4) Vinyl Chloride	2.35	62	300768	48.244	ug/l	99
5) Bromomethane	2.77	94	252936	65.594	ug/l	82
6) Chloroethane	2.92	64	202142	51.049	ug/l	99
7) Trichlorofluoromethane	3.27	101	410500	44.573	ug/l	96
8) Diethyl Ether	3.71	74	112005	48.296	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	219810	44.100	ug/l	98
10) Methyl Iodide	4.30	142	122788	28.857	ug/l	99
11) Tert butyl alcohol	5.22	59	77832	227.264	ug/l	98
12) 1,1-Dichloroethene	4.07	96	202845	45.298	ug/l	98
13) Acrolein	3.92	56	41678	189.547	ug/l	93
14) Allyl chloride	4.71	41	342705	46.697	ug/l	96
15) Acrylonitrile	5.42	53	232398	233.274	ug/l	98
16) Acetone	4.16	43	211170	213.418	ug/l	99
17) Carbon Disulfide	4.41	76	642416	43.639	ug/l	100
18) Methyl Acetate	4.71	43	106623	45.204	ug/l	95
19) Methyl tert-butyl Ether	5.47	73	540495	51.470	ug/l	96
20) Methylene Chloride	4.97	84	250325	45.876	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	241743	45.460	ug/l	92
22) Diisopropyl ether	6.36	45	752197	49.841	ug/l	97
23) Vinyl Acetate	6.30	43	2196619	255.766	ug/l	99
24) 1,1-Dichloroethane	6.26	63	444802	46.867	ug/l	99
25) 2-Butanone	7.21	43	308119	231.973	ug/l	99
26) 2,2-Dichloropropane	7.20	77	393512	45.202	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	278201	48.650	ug/l	99
28) Bromochloromethane	7.54	49	174900	47.867	ug/l	97
29) Tetrahydrofuran	7.56	42	202015	244.208	ug/l	98
30) Chloroform	7.71	83	479378	47.744	ug/l	96
31) Cyclohexane	7.98	56	382439	43.592	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	442887	46.916	ug/l	98
36) 1,1-Dichloropropene	8.11	75	351646	44.092	ug/l	99
37) Ethyl Acetate	7.29	43	141300	44.494	ug/l	98
38) Carbon Tetrachloride	8.10	117	386579	45.859	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	418349	46.976	ug/l	99
40) Benzene	8.35	78	987330	45.202	ug/l	99
41) Methacrylonitrile	7.53	41	87781m	57.103	ug/l	
42) 1,2-Dichloroethane	8.42	62	320840	45.335	ug/l	100
43) Isopropyl Acetate	8.45	43	289850	47.626	ug/l	99
44) Trichloroethene	9.11	130	262908	45.887	ug/l	97
45) 1,2-Dichloropropane	9.38	63	252385	45.947	ug/l	97
46) Dibromomethane	9.47	93	137690	45.434	ug/l	98
47) Bromodichloromethane	9.66	83	378001	46.102	ug/l	98
48) Methyl methacrylate	9.45	41	150796	49.001	ug/l	97
49) 1,4-Dioxane	9.46	88	31774	955.683	ug/l	100
51) 4-Methyl-2-Pentanone	10.23	43	714250	232.707	ug/l	100
52) Toluene	10.40	92	631994	45.709	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	344610	47.611	ug/l	95
54) cis-1,3-Dichloropropene	10.08	75	402295	46.283	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	185244	47.541	ug/l	96
56) Ethyl methacrylate	10.66	69	228724	50.414	ug/l	96
57) 1,3-Dichloropropane	10.94	76	311675	45.666	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	462387	222.821	ug/l	99
59) 2-Hexanone	10.98	43	503052	243.721	ug/l	98
60) Dibromochloromethane	11.14	129	239911	46.561	ug/l	98
61) 1,2-Dibromoethane	11.24	107	175654	46.336	ug/l	98
64) Tetrachloroethene	10.87	164	207824	44.320	ug/l	97
65) Chlorobenzene	11.67	112	660602	45.958	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	251352	45.818	ug/l	98
67) Ethyl Benzene	11.74	91	1396101	52.896	ug/l	99
68) m/p-Xylenes	11.85	106	1131174	115.427	ug/l	96
69) o-Xylene	12.18	106	458700	52.228	ug/l	96
70) Styrene	12.19	104	749919	49.115	ug/l	97
71) Bromoform	12.36	173	126984	45.931	ug/l #	98
73) Isopropylbenzene	12.48	105	1199425	48.553	ug/l	99
74) N-amyl acetate	12.29	43	271818	48.582	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	194978	44.676	ug/l	100
76) 1,2,3-Trichloropropane	12.78	75	127599m	39.765	ug/l	
77) Bromobenzene	12.76	156	257242	46.708	ug/l	99
78) n-propylbenzene	12.82	91	1439502	48.069	ug/l	100
79) 2-Chlorotoluene	12.91	91	806968	48.034	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	1013560	48.748	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	61483	44.733	ug/l	98
82) 4-Chlorotoluene	13.01	91	832499	46.339	ug/l	99
83) tert-Butylbenzene	13.23	119	830294	48.901	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	1040213	50.250	ug/l	98
85) sec-Butylbenzene	13.40	105	1176464	48.093	ug/l	99
86) p-Isopropyltoluene	13.52	119	1087872	49.409	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	503963	46.093	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	503045	45.839	ug/l	99
89) n-Butylbenzene	13.85	91	1025831	47.812	ug/l	99
90) Hexachloroethane	14.11	117	212548	44.803	ug/l	97
91) 1,2-Dichlorobenzene	13.89	146	432479	45.254	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	32428	43.741	ug/l	92

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Quant Title : SW846 8260
QLast Update : Fri Sep 04 01:57:04 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	287460	50.120	ug/l	100
94) Hexachlorobutadiene	15.27	225	159741	46.359	ug/l	97
95) Naphthalene	15.41	128	799812	79.802	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	244760	50.055	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

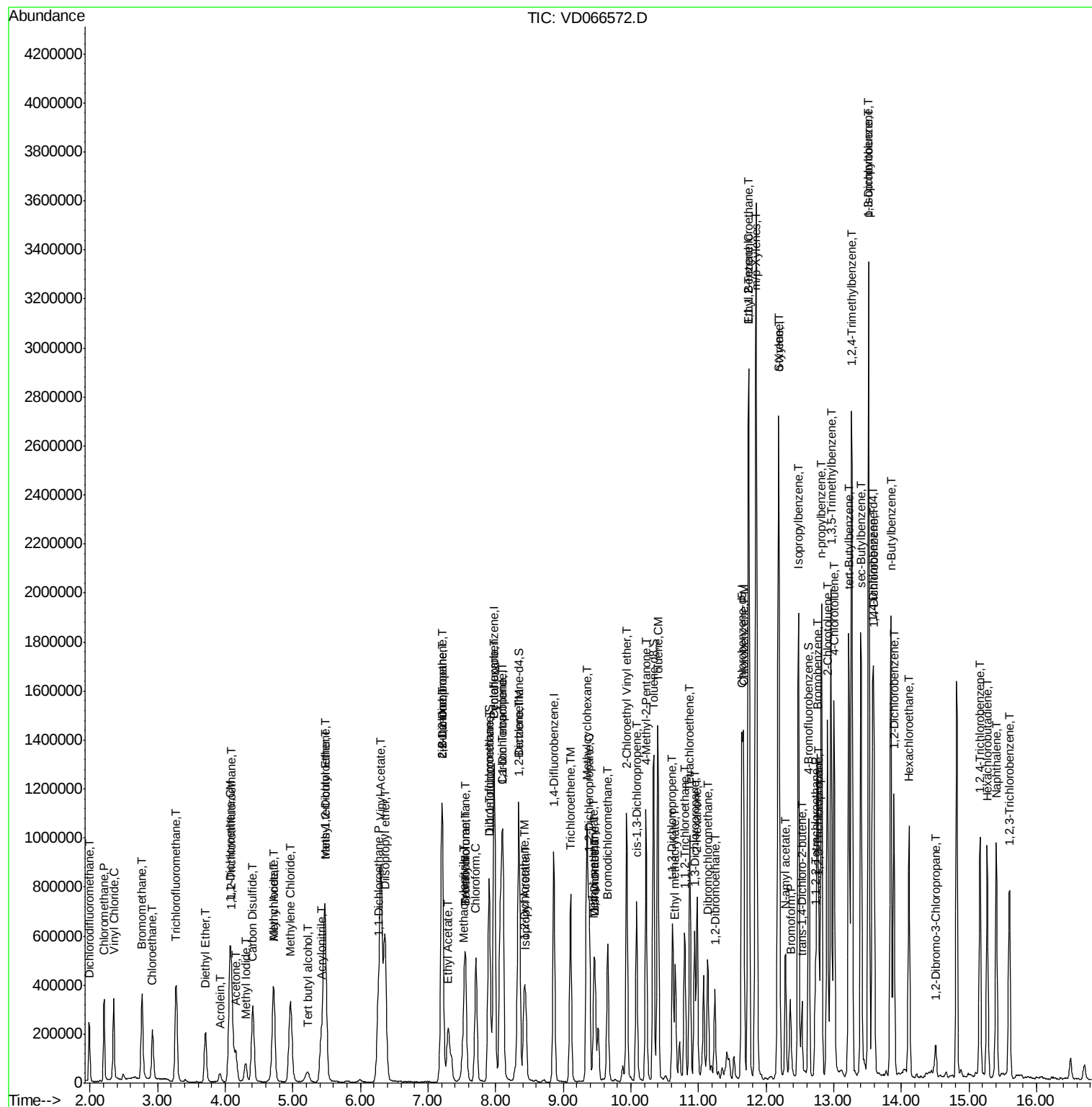
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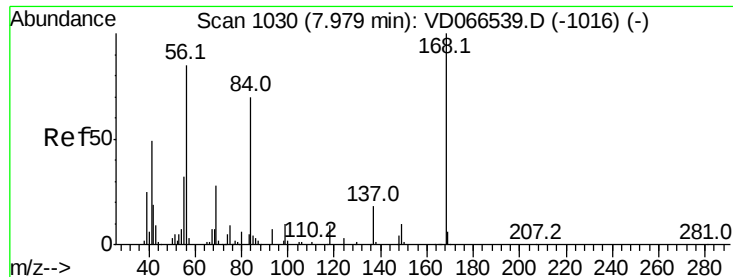
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066572.D

Acq: 04 Sep 2020 19:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 444467

Ion Ratio Lower Upper

168 100

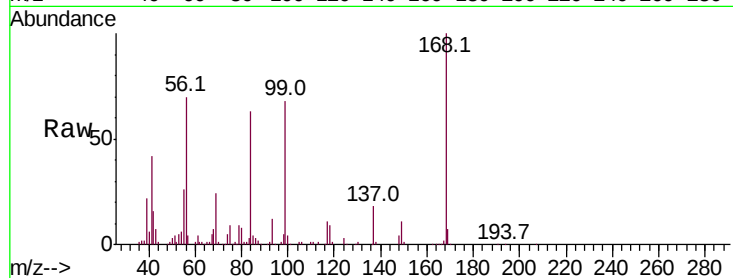
99 68.1 50.5 75.7

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.97

200000

150000

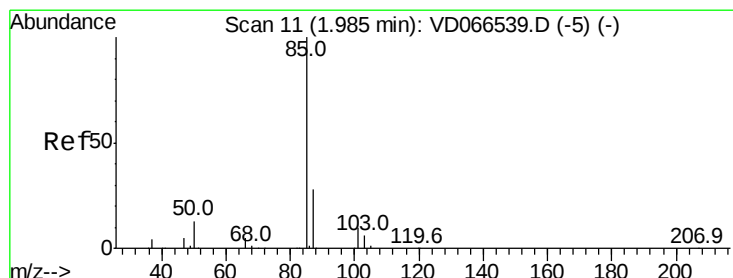
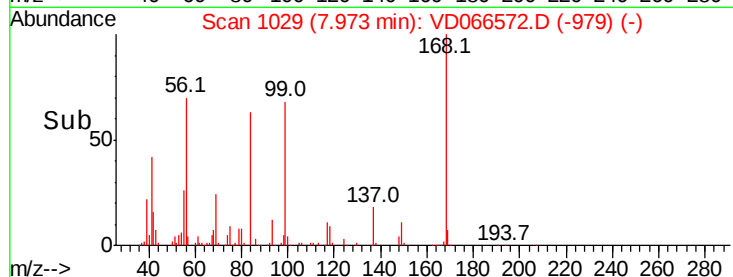
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 49.752 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066572.D

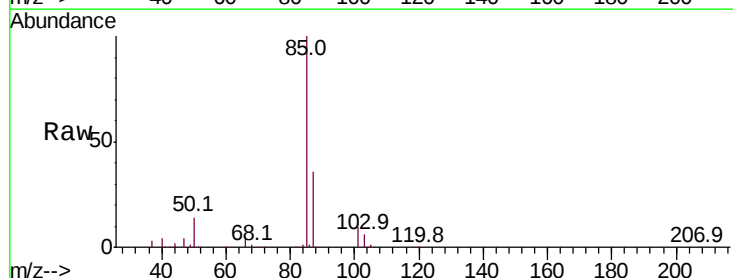
Acq: 04 Sep 2020 19:24

Tgt Ion: 85 Resp: 182674

Ion Ratio Lower Upper

85 100

87 36.0 14.2 42.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

150000

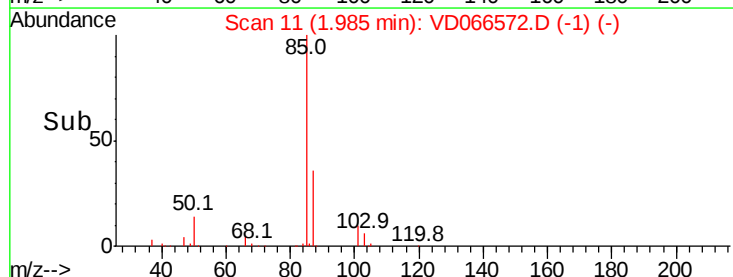
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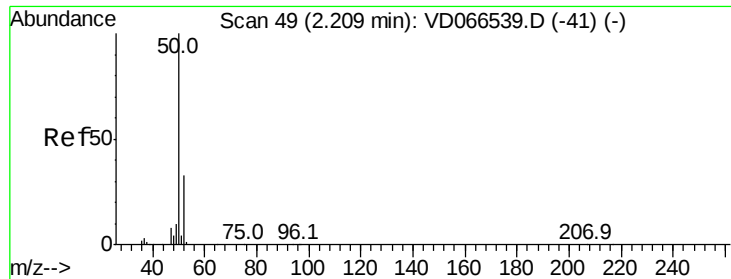
50000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 48.459 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD066572.D

Acq: 04 Sep 2020 19:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 272382

Ion Ratio Lower Upper

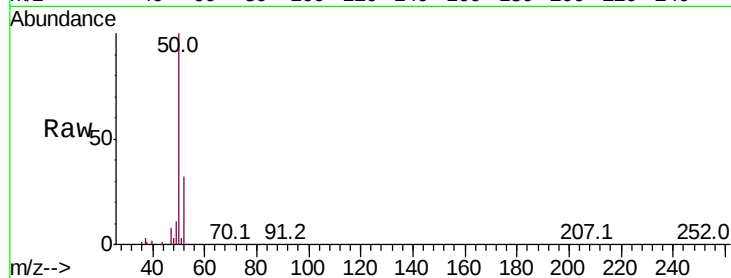
50 100

52 32.2 26.2 39.2

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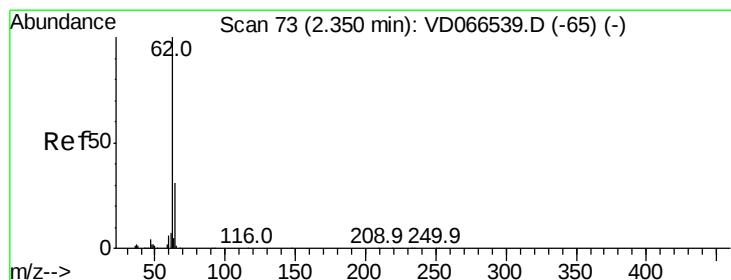
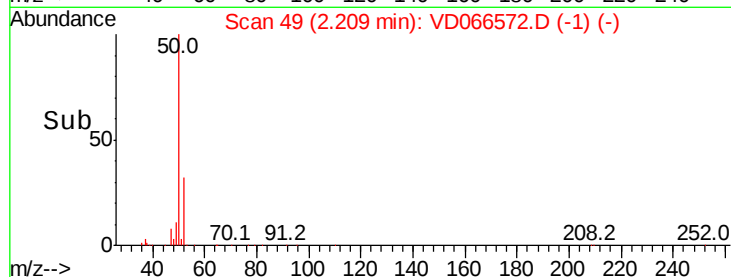
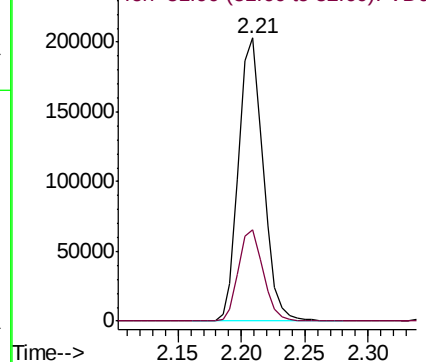
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 48.244 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD066572.D

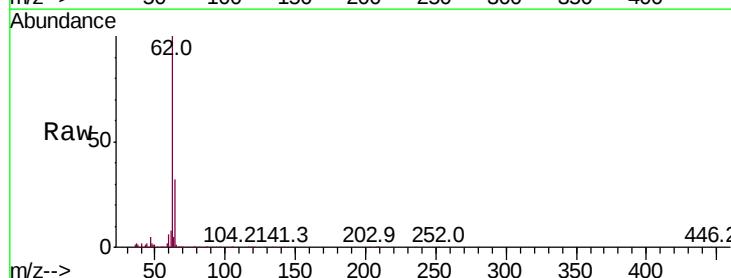
Acq: 04 Sep 2020 19:24

Tgt Ion: 62 Resp: 300768

Ion Ratio Lower Upper

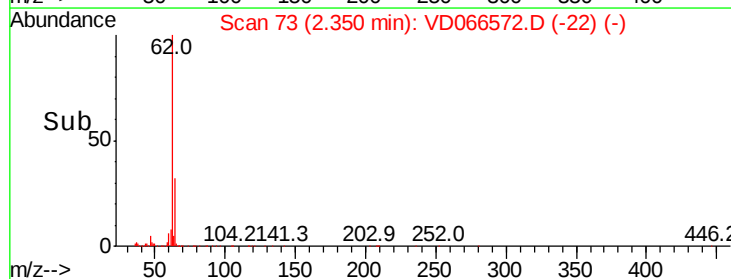
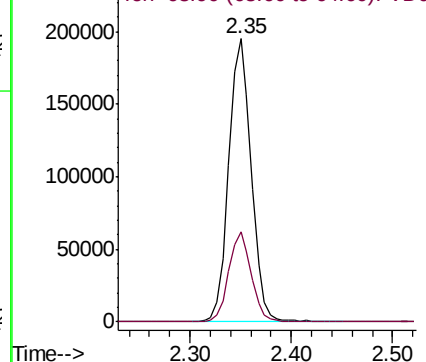
62 100

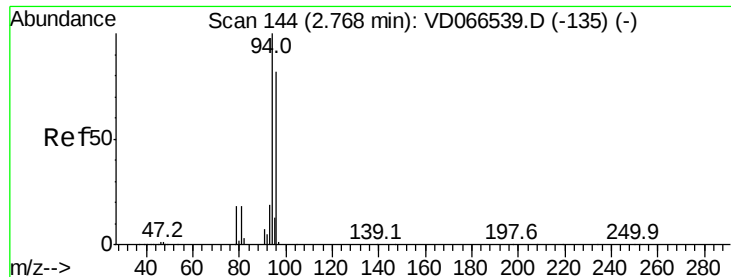
64 31.9 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 65.594 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD066572.D

Acq: 04 Sep 2020 19:24

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ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 252936

Ion Ratio Lower Upper

94 100

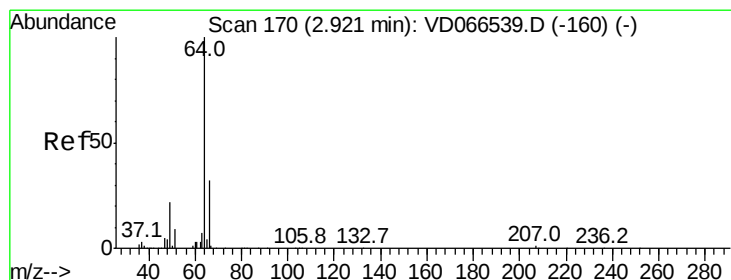
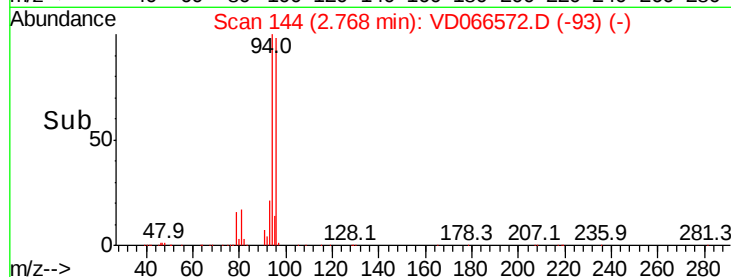
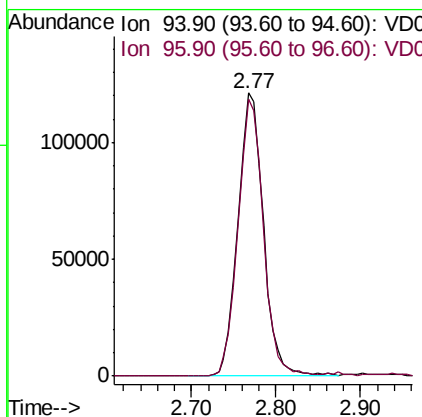
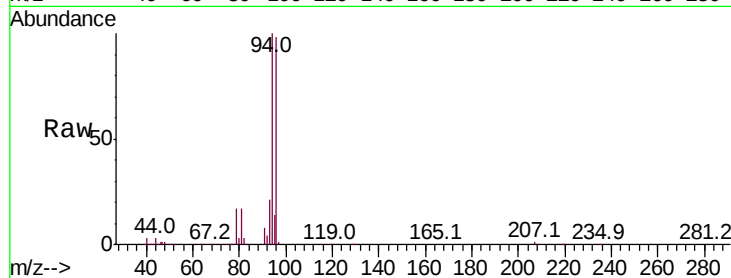
96 97.6 65.2 97.8

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#6

Chloroethane

Concen: 51.049 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD066572.D

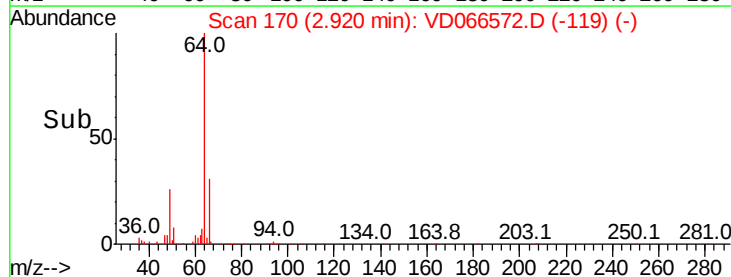
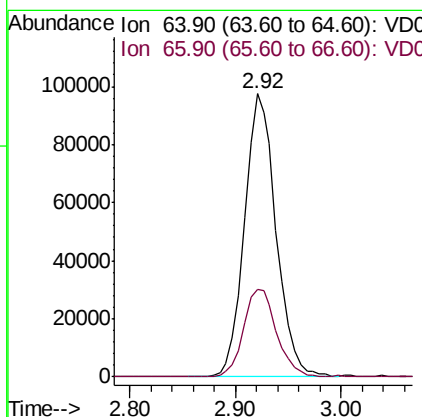
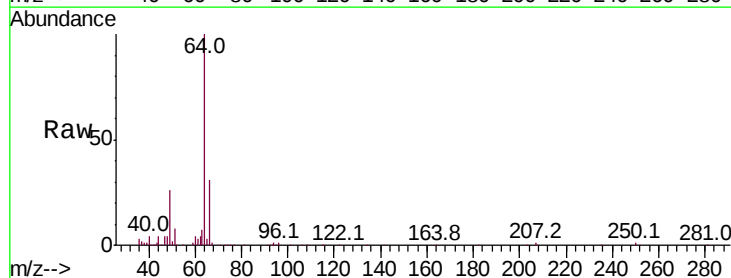
Acq: 04 Sep 2020 19:24

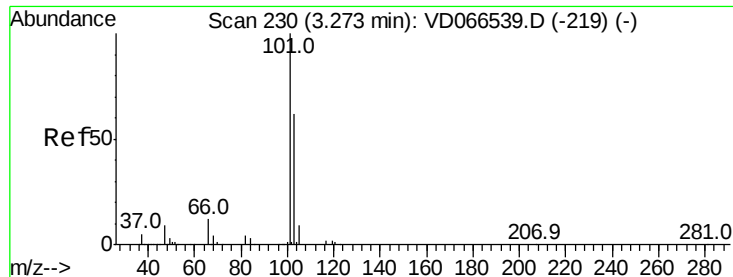
Tgt Ion: 64 Resp: 202142

Ion Ratio Lower Upper

64 100

66 31.1 25.4 38.0





#7

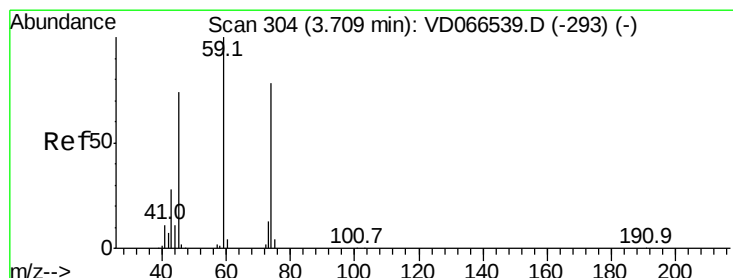
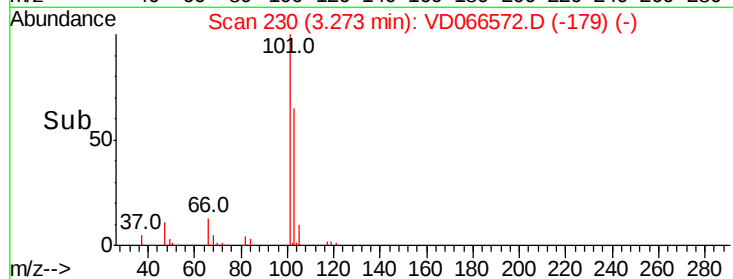
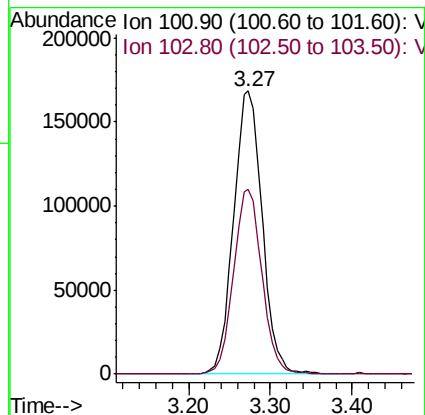
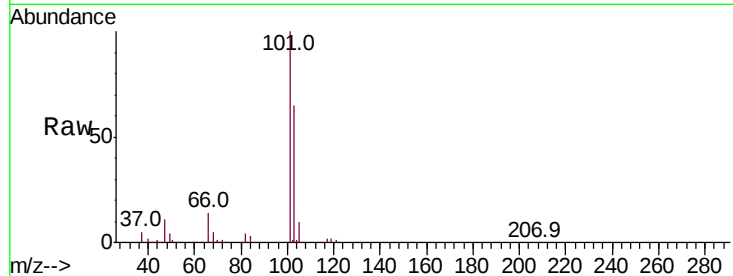
Trichlorofluoromethane
 Concen: 44.573 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD066572.D
 Acq: 04 Sep 2020 19:24

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 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.2	49.7	74.5

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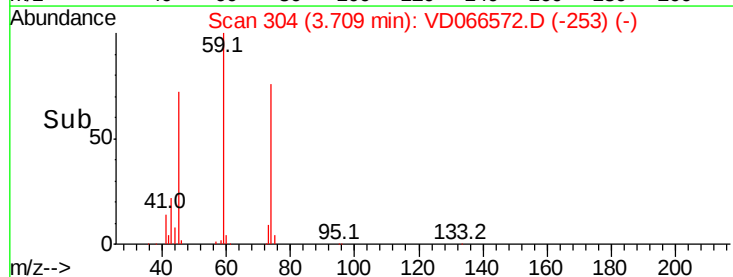
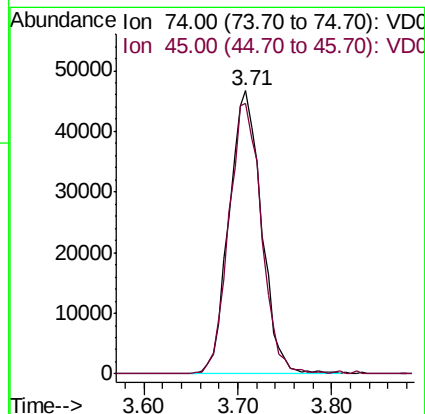
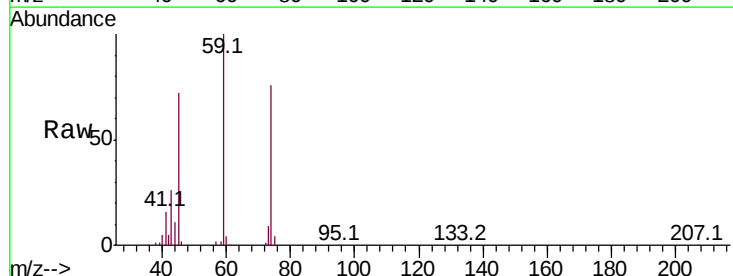
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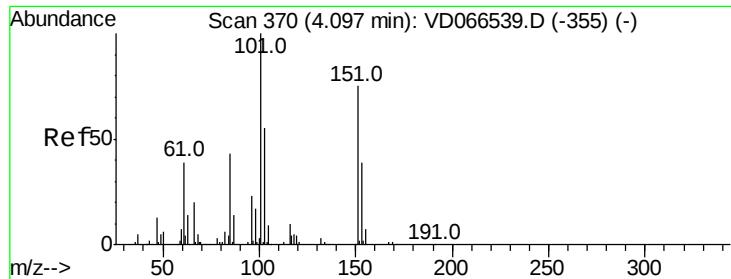


#8

Diethyl Ether
 Concen: 48.296 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD066572.D
 Acq: 04 Sep 2020 19:24

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.3	49.7	149.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.100 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD066572.D

Acq: 04 Sep 2020 19:24

Instrument :

MSVOA_D

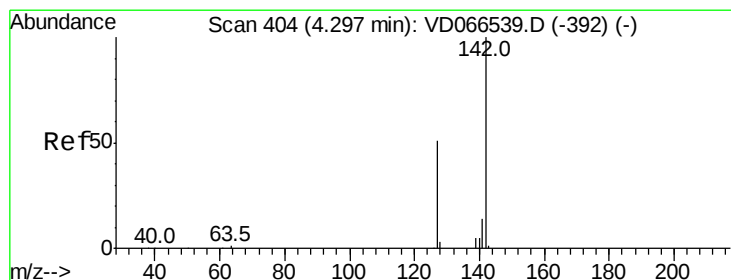
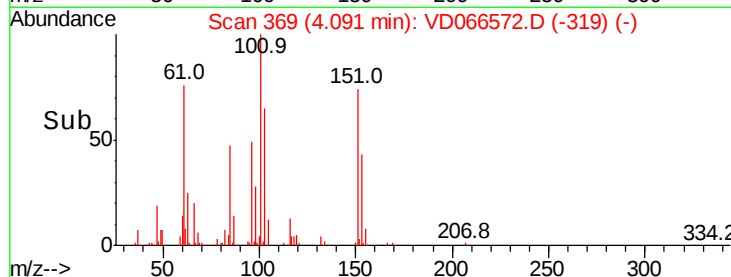
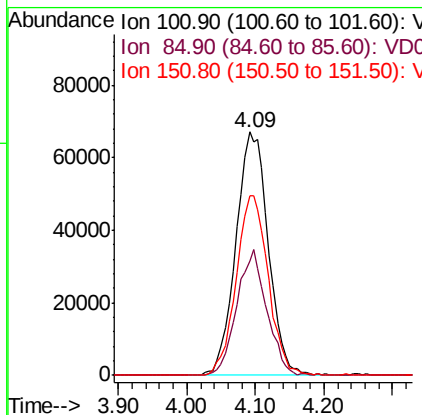
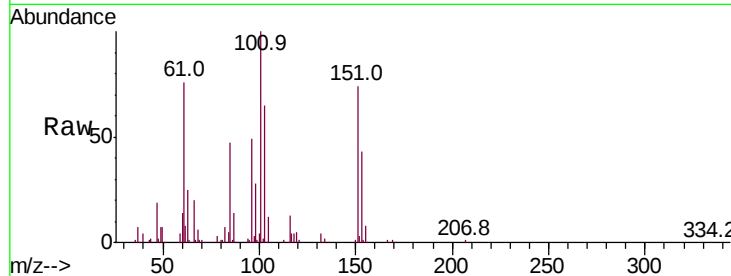
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	219810
Ion Ratio	Lower	Upper	
101	100		
85	47.8	37.0	55.6
151	73.2	59.4	89.2

Manual Integrations
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#10

Methyl Iodide

Concen: 28.857 ug/l

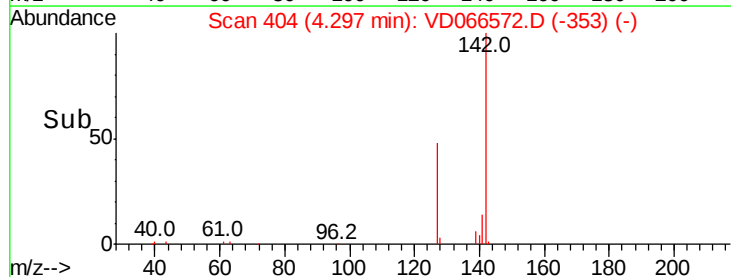
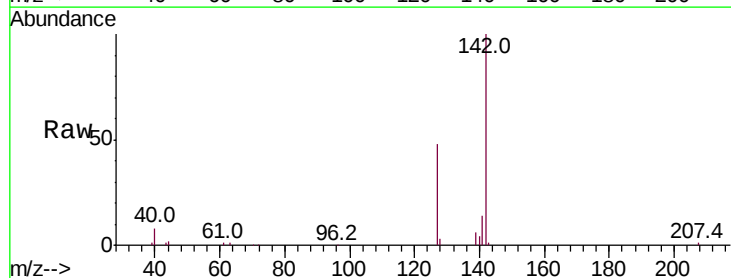
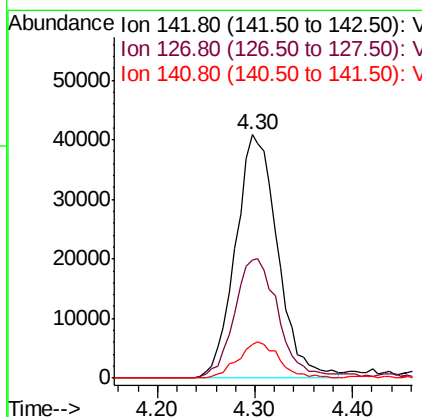
RT: 4.30 min Scan# 404

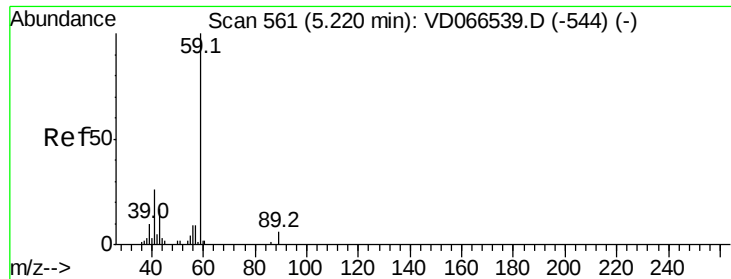
Delta R.T. 0.00 min

Lab File: VD066572.D

Acq: 04 Sep 2020 19:24

Tgt Ion:	142	Resp:	122788
Ion Ratio	Lower	Upper	
142	100		
127	50.9	40.6	61.0
141	14.5	12.2	18.4





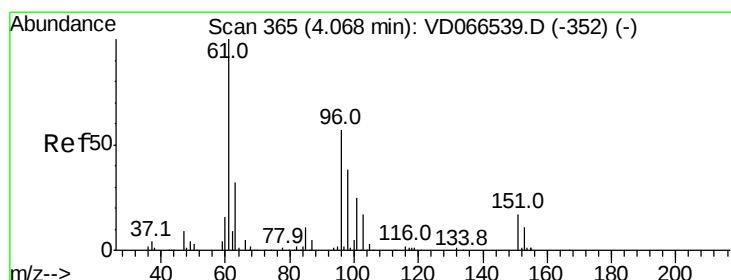
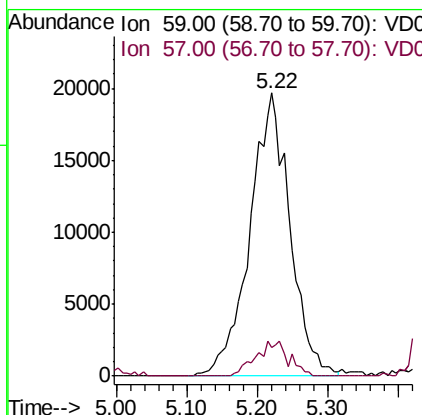
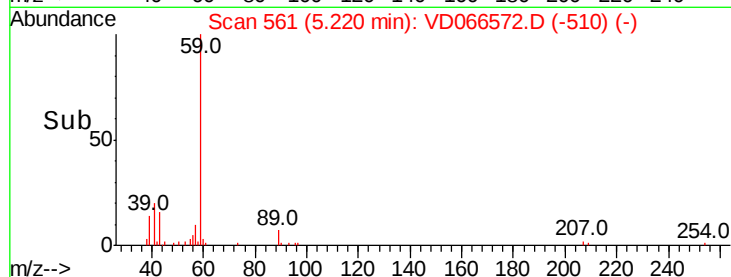
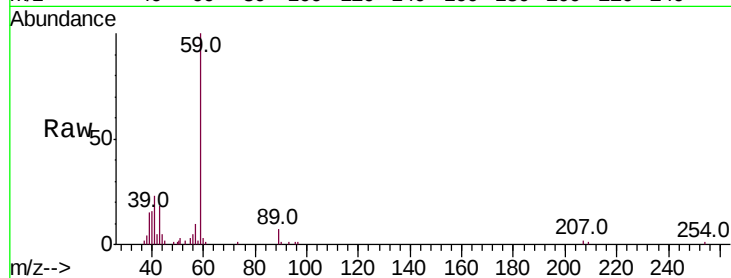
#11
Tert butyl alcohol
Concen: 227.264 ug/l
RT: 5.22 min Scan# 561
Delta R.T. 0.00 min
Lab File: VD066572.D
Acq: 04 Sep 2020 19:24

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 77832
Ion Ratio Lower Upper
59 100
57 10.1 7.6 11.4

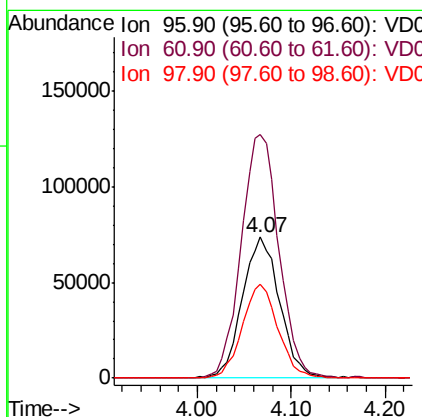
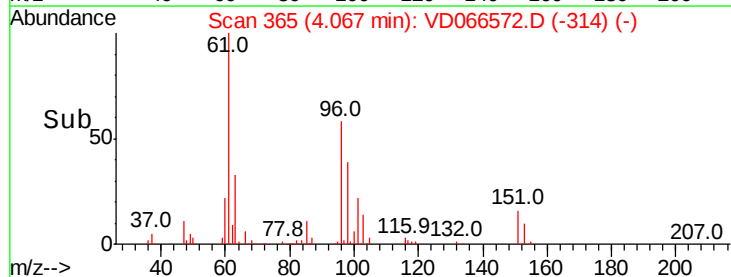
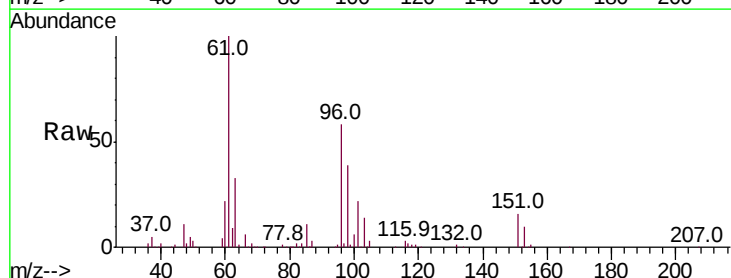
Manual Integrations
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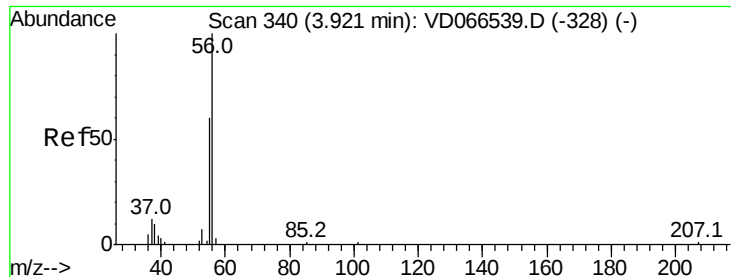
sam
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#12
1,1-Dichloroethene
Concen: 45.298 ug/l
RT: 4.07 min Scan# 365
Delta R.T. -0.00 min
Lab File: VD066572.D
Acq: 04 Sep 2020 19:24

Tgt Ion: 96 Resp: 202845
Ion Ratio Lower Upper
96 100
61 173.1 140.9 211.3
98 66.9 53.2 79.8





#13

Acrolein

Concen: 189.547 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.00 min

Lab File: VD066572.D

Acq: 04 Sep 2020 19:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 41678

Ion Ratio Lower Upper

56 100

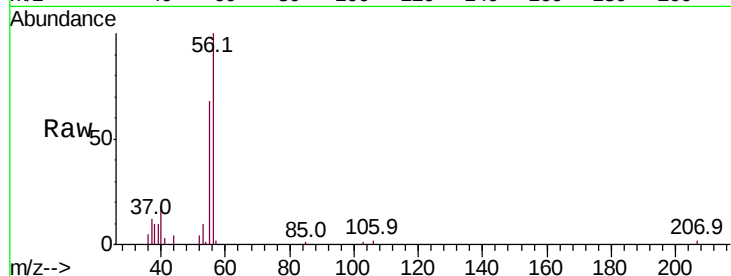
55 72.7 53.6 80.4

Manual Integrations

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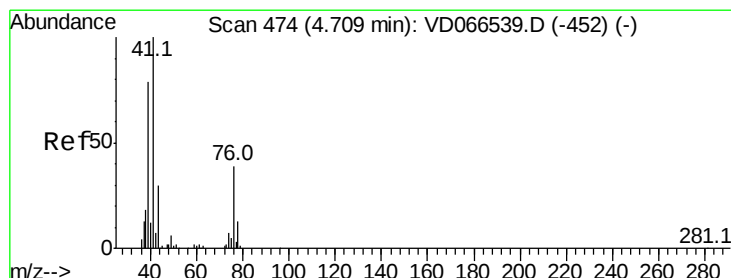
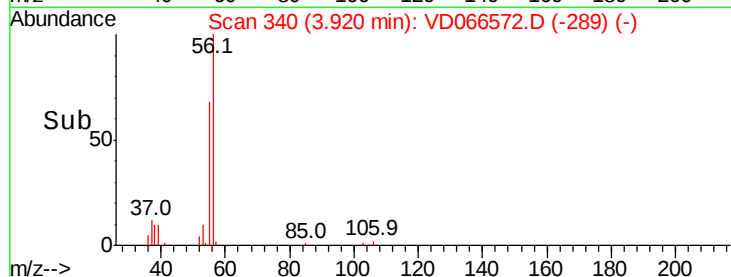
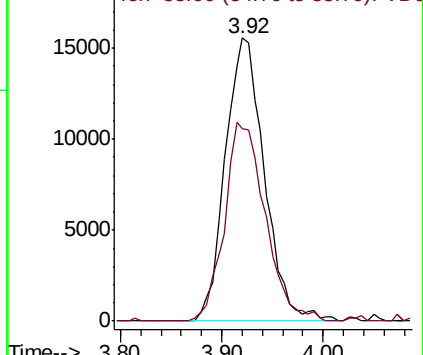
sam

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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 46.697 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD066572.D

Acq: 04 Sep 2020 19:24

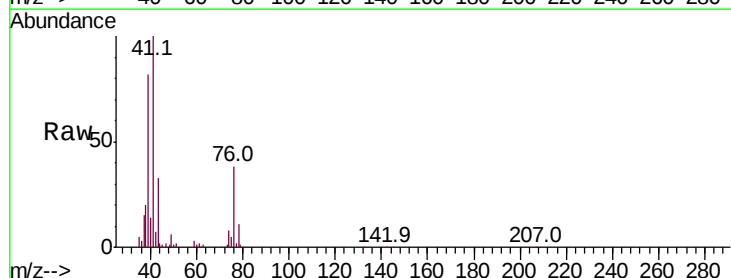
Tgt Ion: 41 Resp: 342705

Ion Ratio Lower Upper

41 100

39 82.1 61.9 92.9

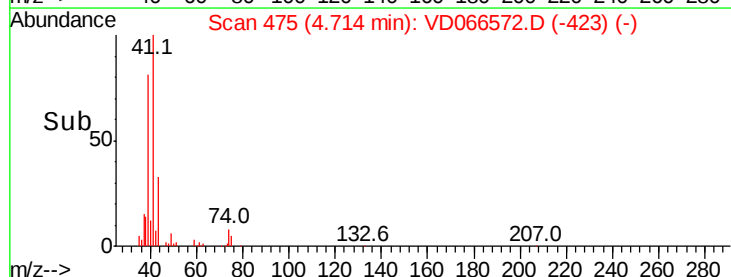
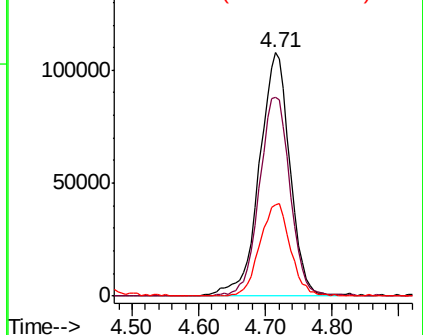
76 37.8 29.0 43.6

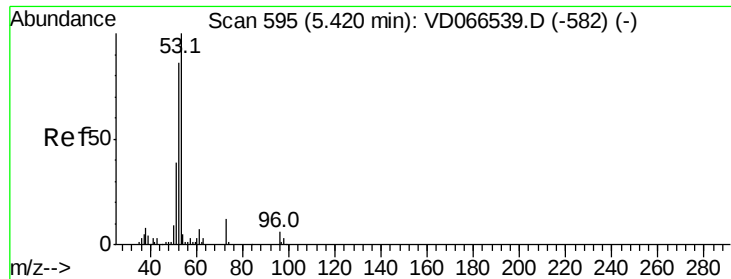


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 233.274 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.00 min

Lab File: VD066572.D

Acq: 04 Sep 2020 19:24

Instrument :

MSVOA_D

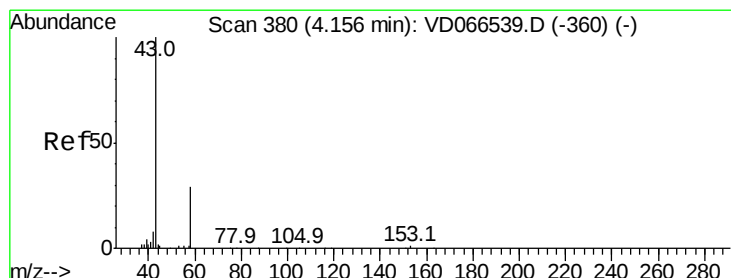
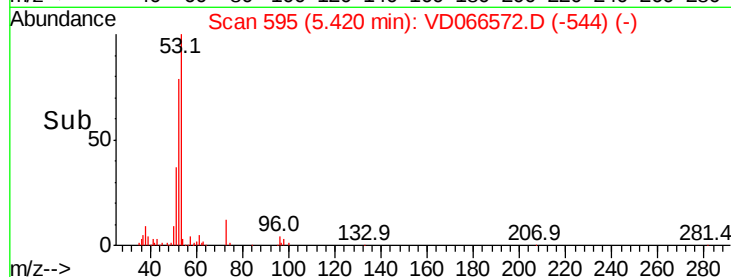
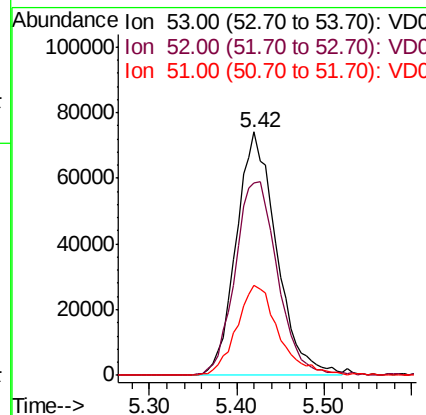
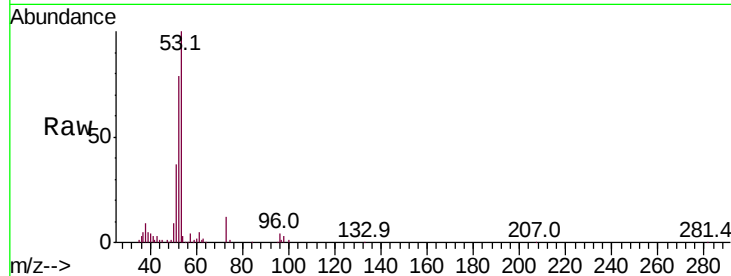
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	232398
Ion	Ratio	Lower	Upper
53	100		
52	84.0	65.4	98.2
51	38.6	31.2	46.8

Manual Integrations
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#16

Acetone

Concen: 213.418 ug/l

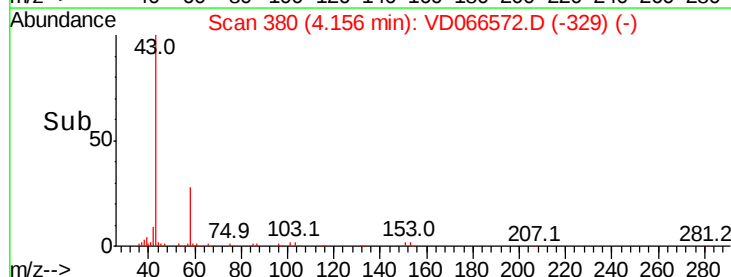
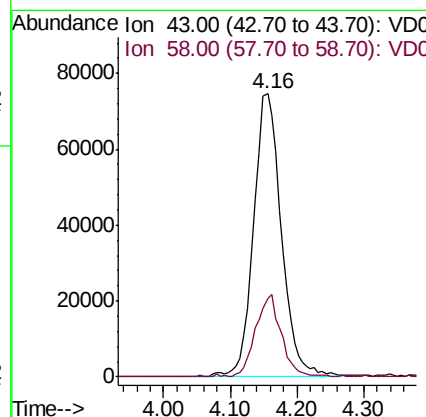
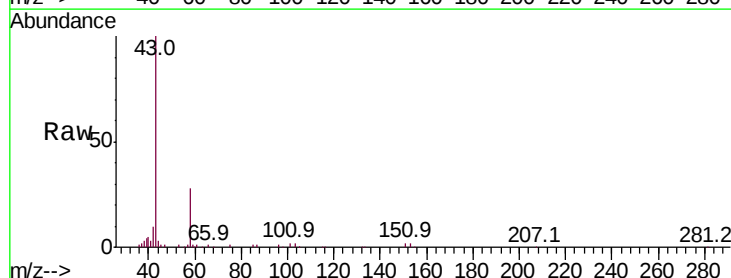
RT: 4.16 min Scan# 380

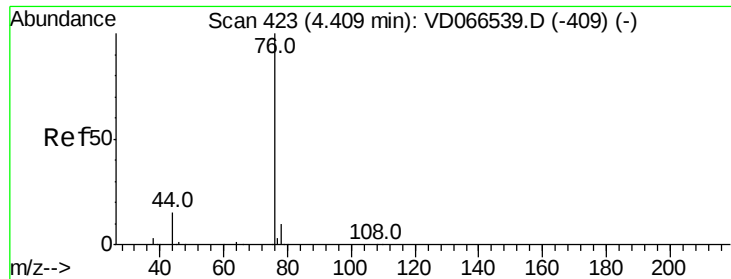
Delta R.T. -0.00 min

Lab File: VD066572.D

Acq: 04 Sep 2020 19:24

Tgt Ion:	43	Resp:	211170
Ion	Ratio	Lower	Upper
43	100		
58	27.8	22.9	34.3





#17

Carbon Disulfide

Concen: 43.639 ug/l

RT: 4.41 min Scan# 423

Delta R.T. -0.00 min

Lab File: VD066572.D

Acq: 04 Sep 2020 19:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 642416

Ion Ratio Lower Upper

76 100

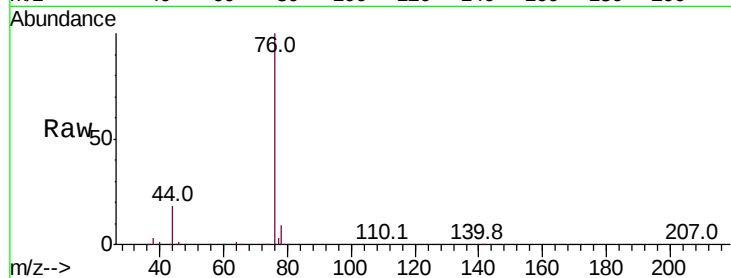
78 9.3 7.6 11.4

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.41

250000

200000

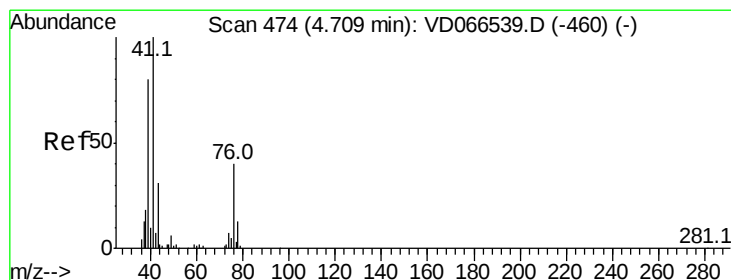
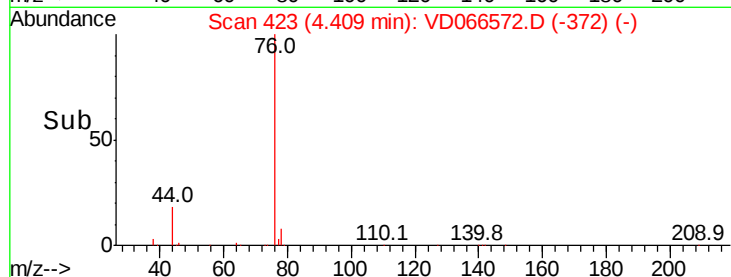
150000

100000

50000

0

Time--> 4.20 4.30 4.40 4.50 4.60



#18

Methyl Acetate

Concen: 45.204 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD066572.D

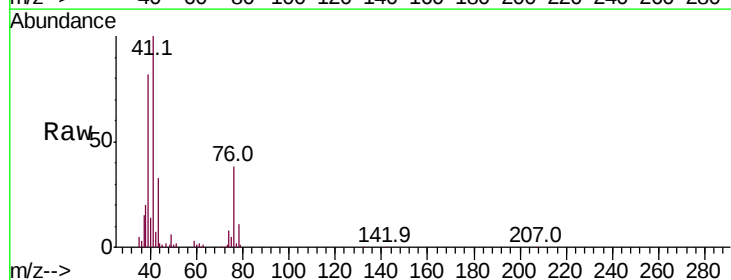
Acq: 04 Sep 2020 19:24

Tgt Ion: 43 Resp: 106623

Ion Ratio Lower Upper

43 100

74 24.7 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.71

40000

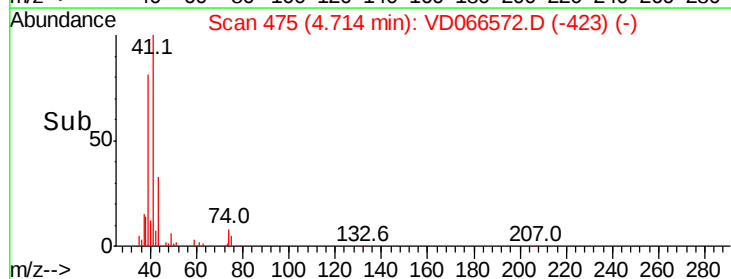
30000

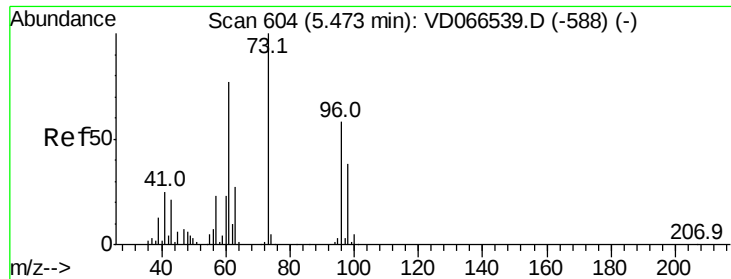
20000

10000

0

Time--> 4.60 4.70 4.80





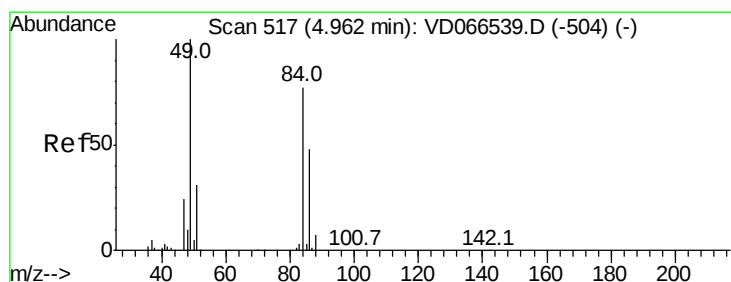
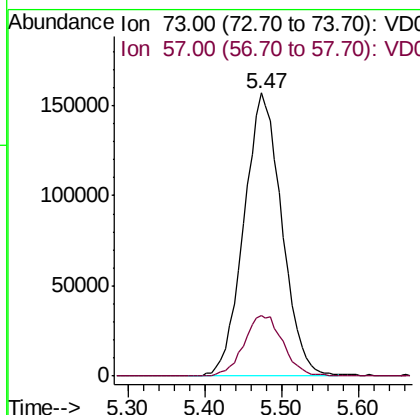
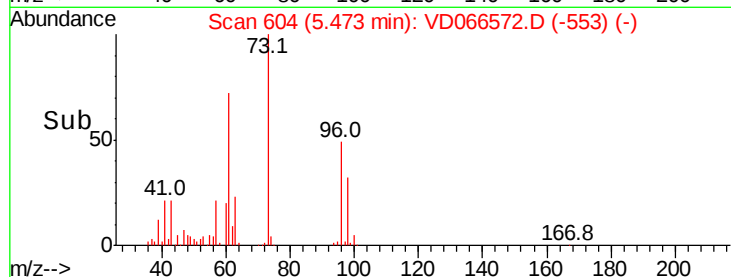
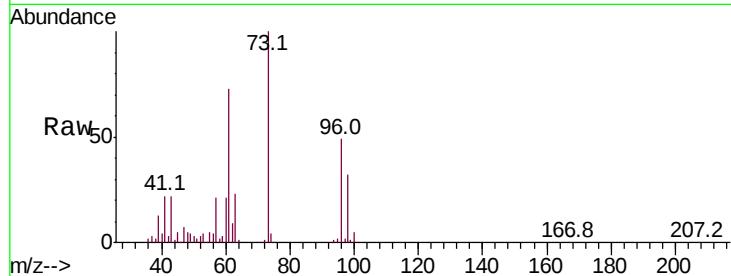
#19
Methyl tert-butyl Ether
Concen: 51.470 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.00 min
Lab File: VD066572.D
Acq: 04 Sep 2020 19:24

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 540495
Ion Ratio Lower Upper
73 100
57 21.1 18.3 27.5

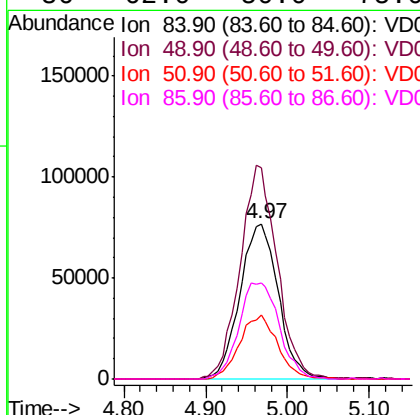
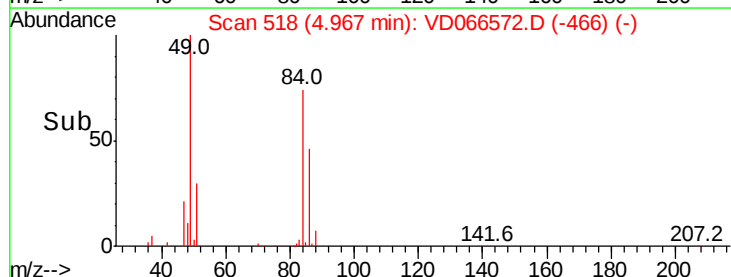
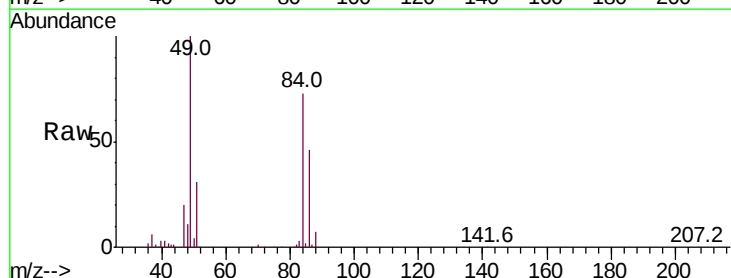
Manual Integrations
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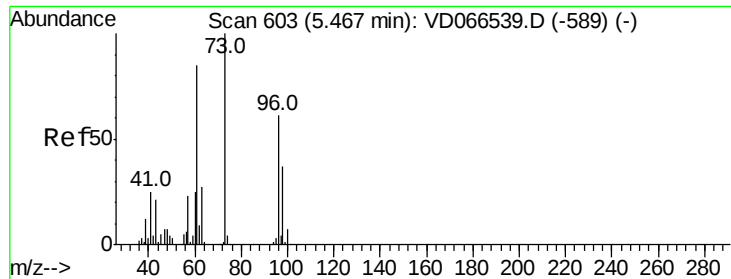
sam
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#20
Methylene Chloride
Concen: 45.876 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD066572.D
Acq: 04 Sep 2020 19:24

Tgt Ion: 84 Resp: 250325
Ion Ratio Lower Upper
84 100
49 136.3 104.3 156.5
51 41.6 32.2 48.4
86 62.0 50.0 75.0





#21

trans-1,2-Dichloroethene

Concen: 45.460 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.00 min

Lab File: VD066572.D

Acq: 04 Sep 2020 19:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 241743

Ion Ratio Lower Upper

96 100

61 150.8 112.1 168.1

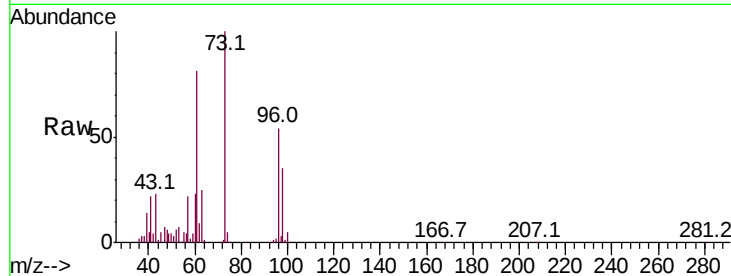
98 64.7 48.6 72.8

Manual Integrations

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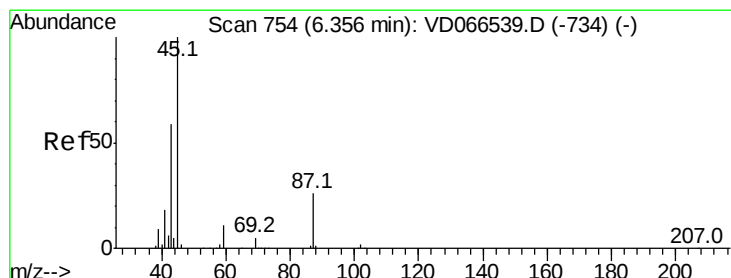
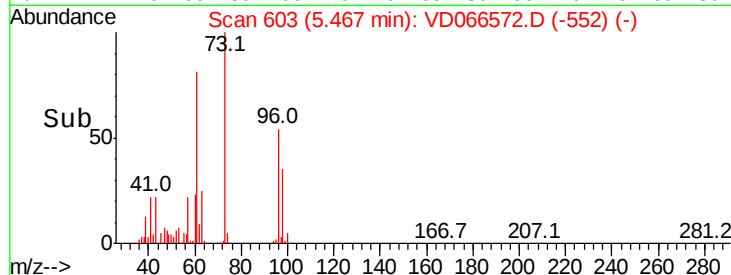
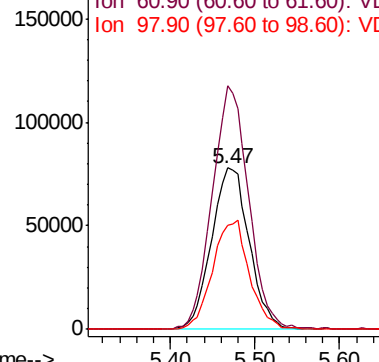


Abundance

Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 49.841 ug/l

RT: 6.36 min Scan# 755

Delta R.T. 0.01 min

Lab File: VD066572.D

Acq: 04 Sep 2020 19:24

Tgt Ion: 45 Resp: 752197

Ion Ratio Lower Upper

45 100

43 61.0 47.0 70.4

87 27.4 21.3 31.9

59 12.5 8.7 13.1

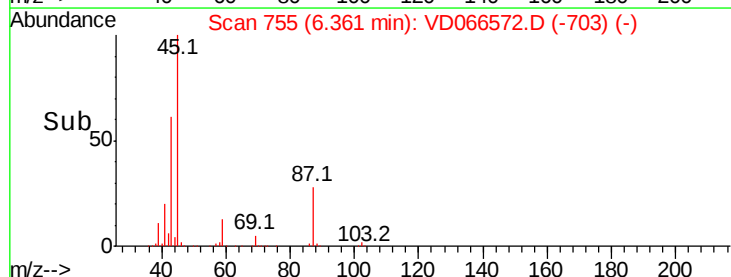
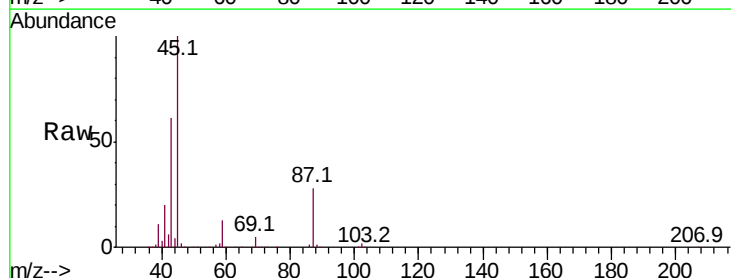
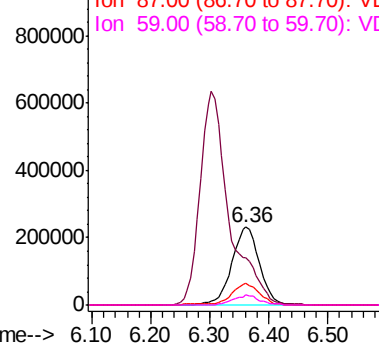
Abundance

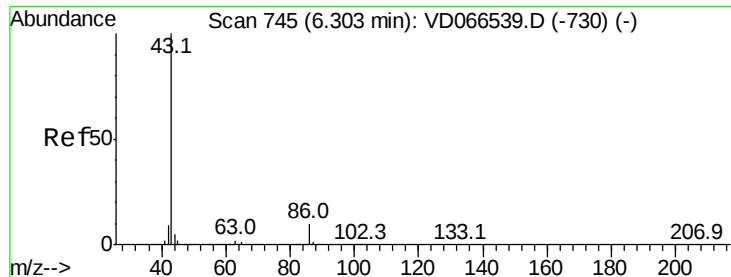
Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 255.766 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.00 min

Lab File: VD066572.D

Acq: 04 Sep 2020 19:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2196619

Ion Ratio Lower Upper

43 100

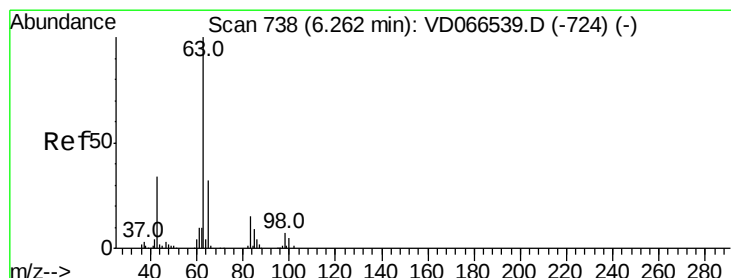
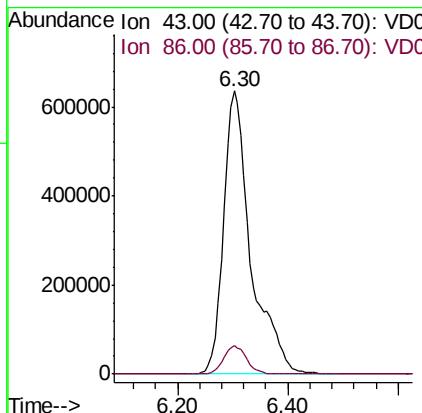
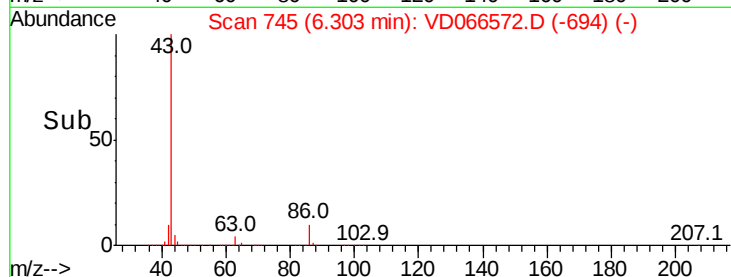
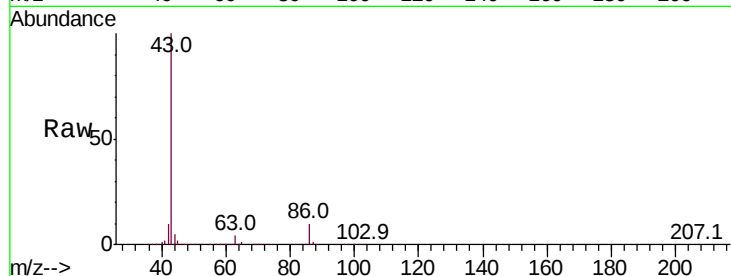
86 10.1 7.7 11.5

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 46.867 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.00 min

Lab File: VD066572.D

Acq: 04 Sep 2020 19:24

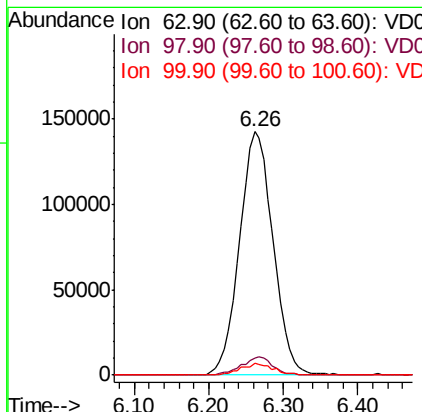
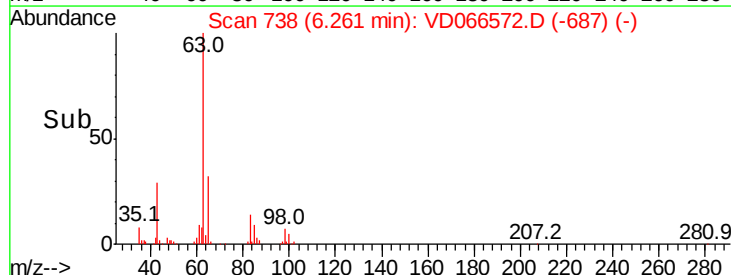
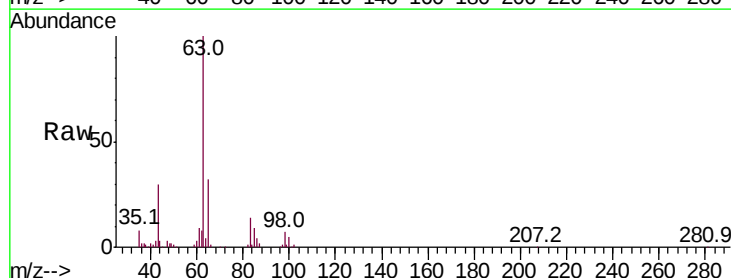
Tgt Ion: 63 Resp: 444802

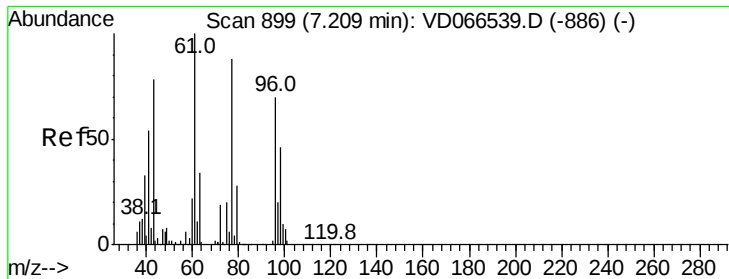
Ion Ratio Lower Upper

63 100

98 7.1 3.4 10.1

100 4.8 2.5 7.4





#25

2-Butanone

Concen: 231.973 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD066572.D

Acq: 04 Sep 2020 19:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 308119

Ion Ratio Lower Upper

43 100

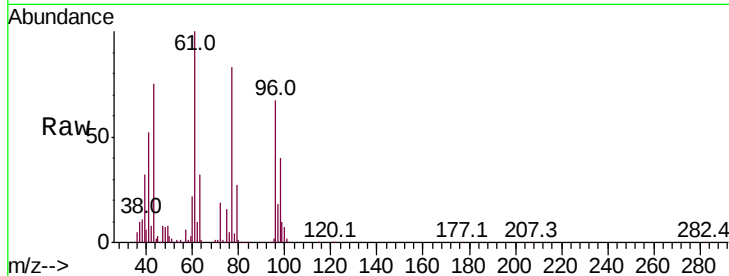
72 25.3 19.8 29.6

Manual Integrations

APPROVED

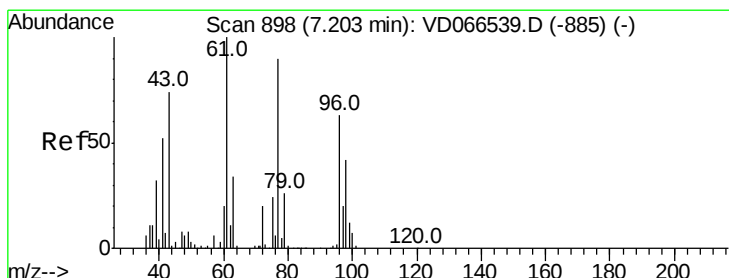
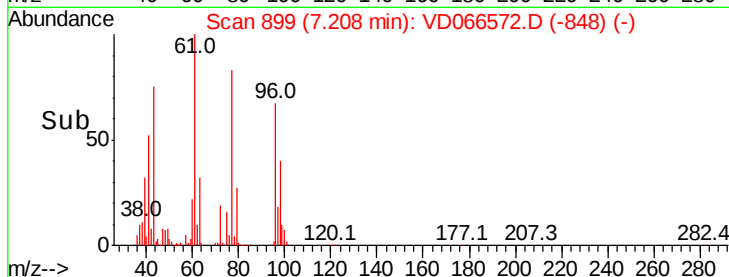
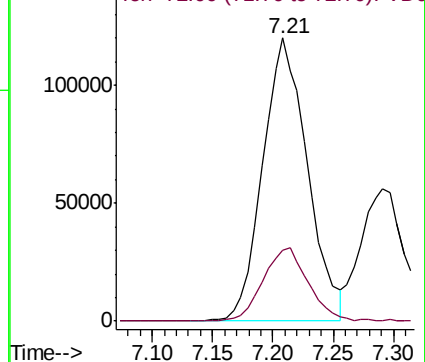
sam

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 45.202 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.00 min

Lab File: VD066572.D

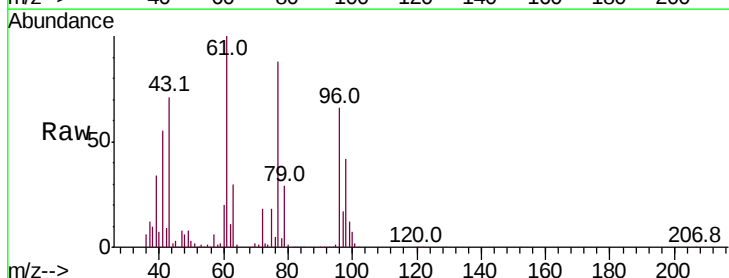
Acq: 04 Sep 2020 19:24

Tgt Ion: 77 Resp: 393512

Ion Ratio Lower Upper

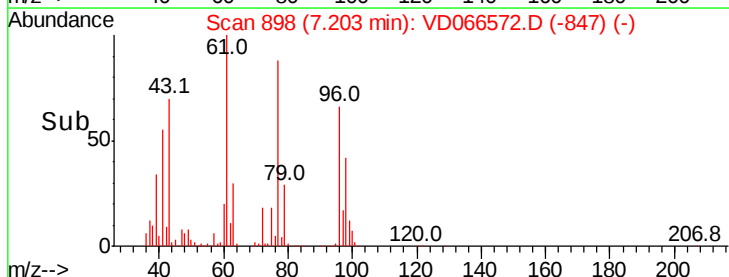
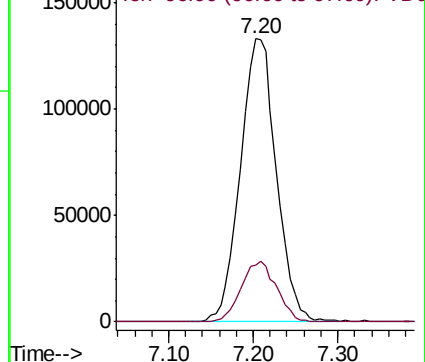
77 100

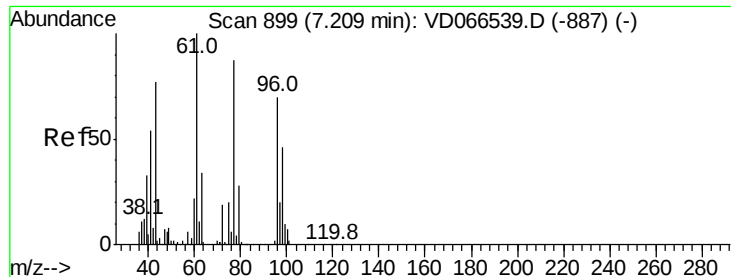
97 21.2 10.8 32.3



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#27

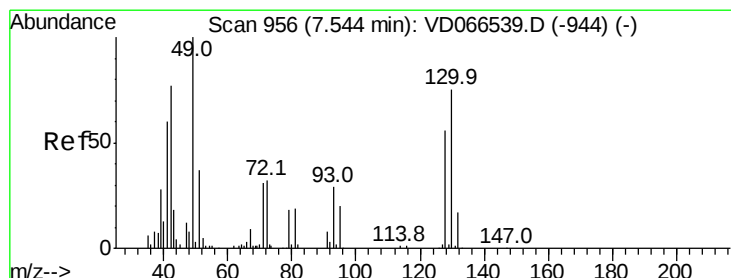
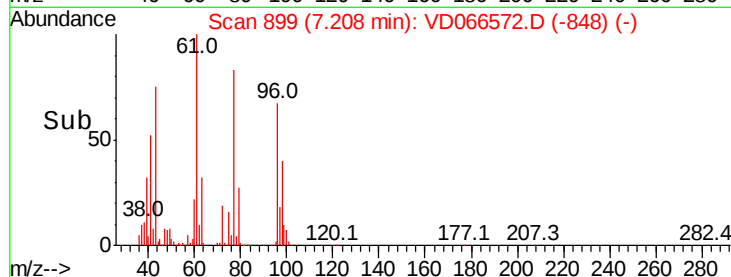
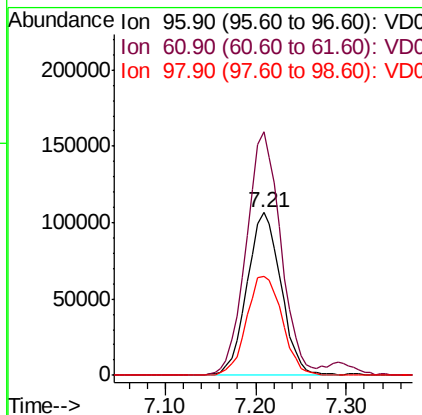
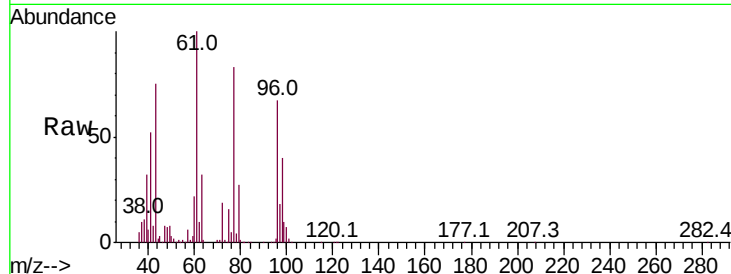
cis-1,2-Dichloroethene
Concen: 48.650 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.00 min
Lab File: VD066572.D
Acq: 04 Sep 2020 19:24

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	151.5	0.0	301.0
98	63.6	0.0	129.8

Manual Integrations
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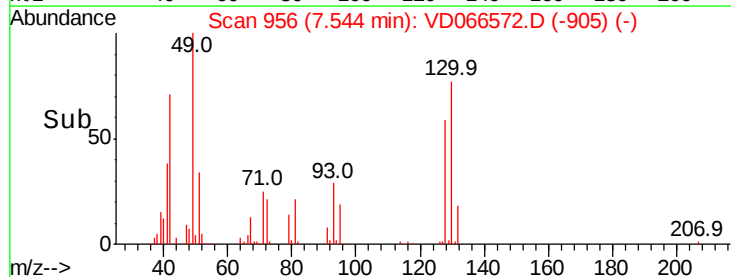
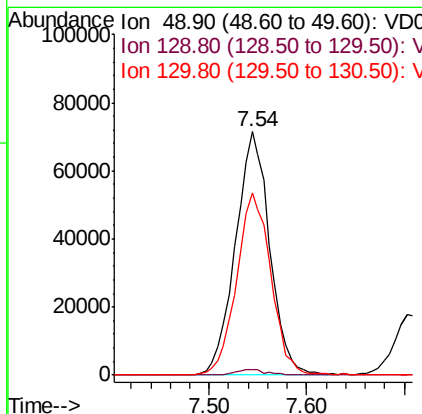
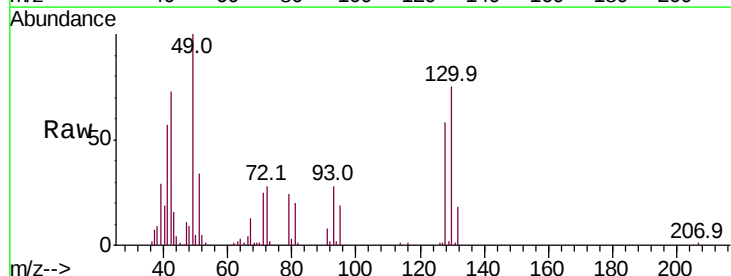
sam
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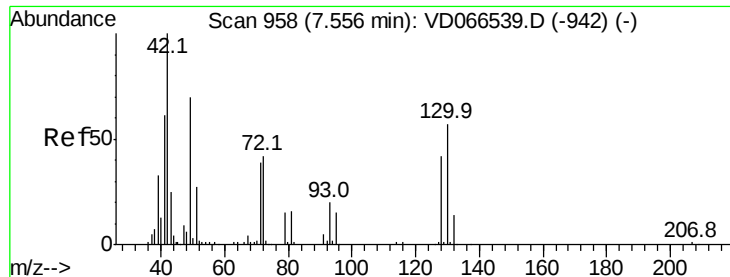


#28

Bromochloromethane
Concen: 47.867 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.00 min
Lab File: VD066572.D
Acq: 04 Sep 2020 19:24

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	2.6
130	75.0	58.2	87.2





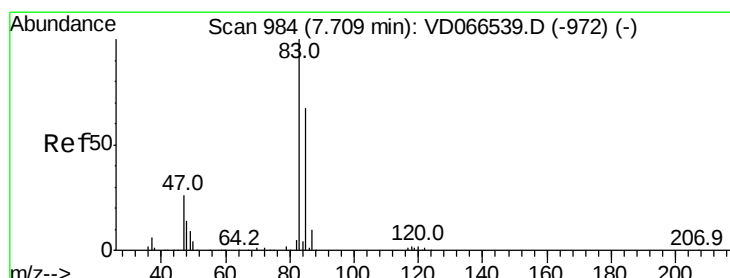
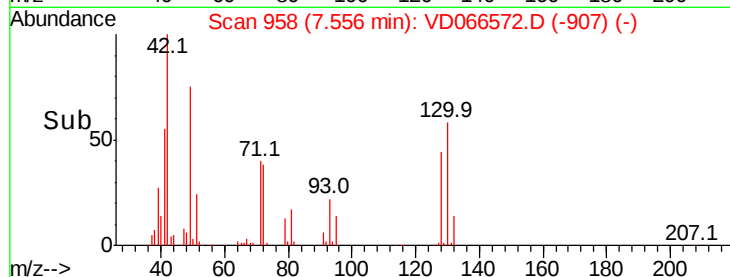
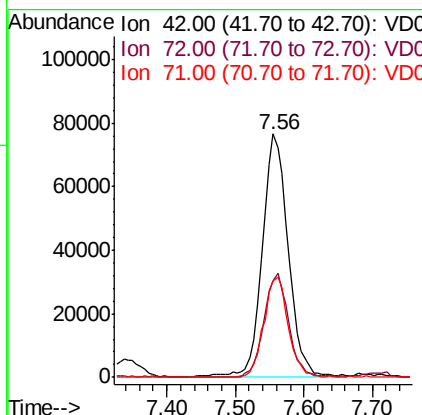
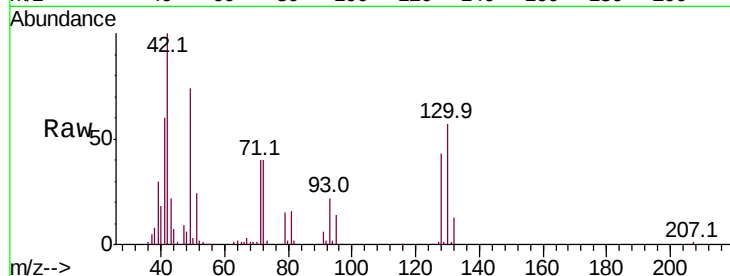
#29
Tetrahydrofuran
Concen: 244.208 ug/l
RT: 7.56 min Scan# 958
Delta R.T. -0.00 min
Lab File: VD066572.D
Acq: 04 Sep 2020 19:24

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.4	33.4	50.0
71	38.8	31.9	47.9

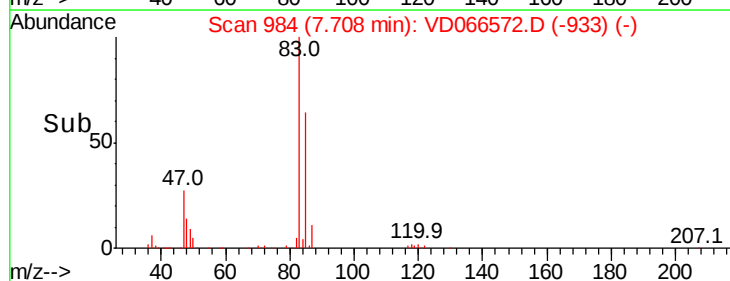
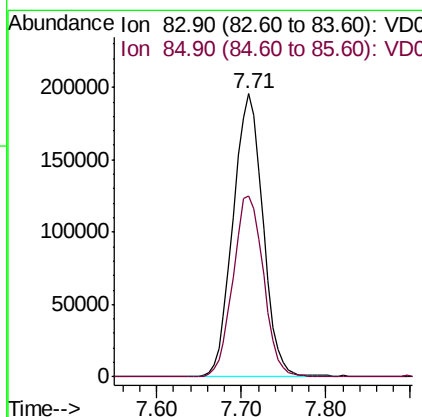
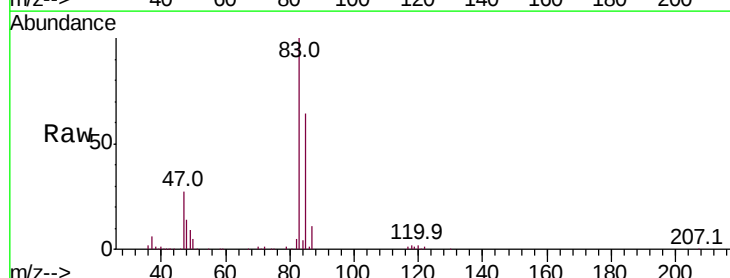
Manual Integrations
APPROVED

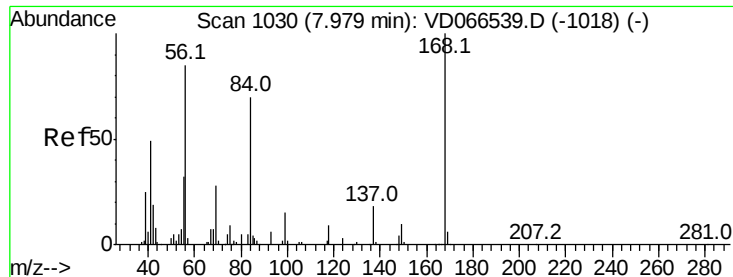
sam
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#30
Chloroform
Concen: 47.744 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.00 min
Lab File: VD066572.D
Acq: 04 Sep 2020 19:24

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	53.6	80.4





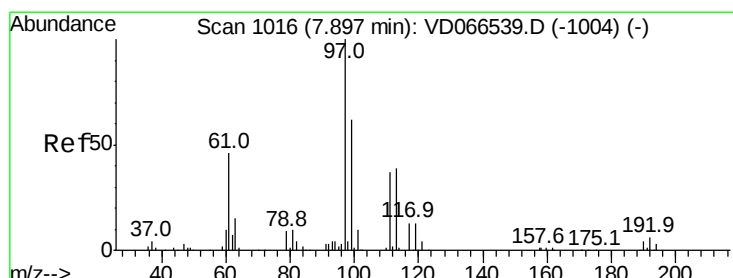
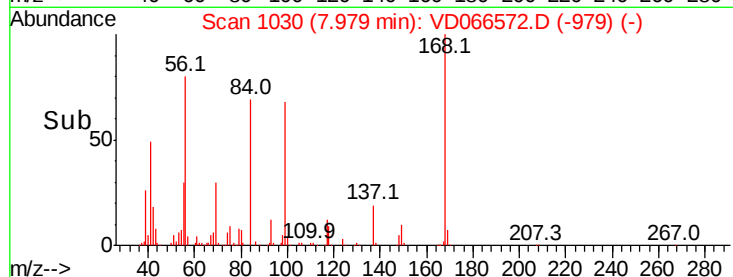
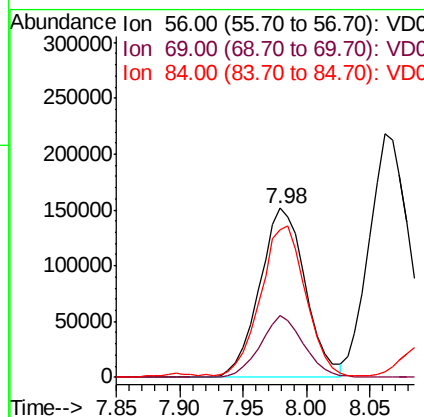
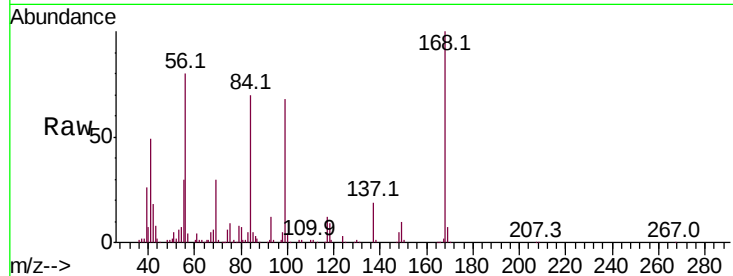
#31
Cyclohexane
Concen: 43.592 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VD066572.D
Acq: 04 Sep 2020 19:24

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.0	26.3	39.5
84	85.6	66.1	99.1

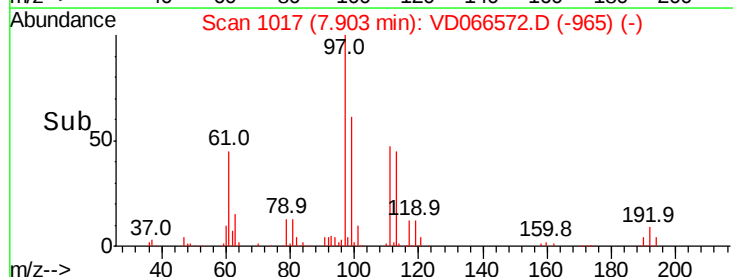
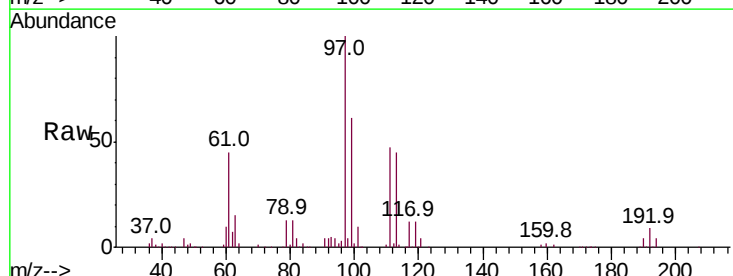
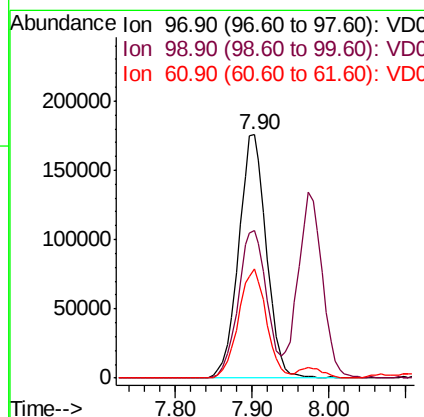
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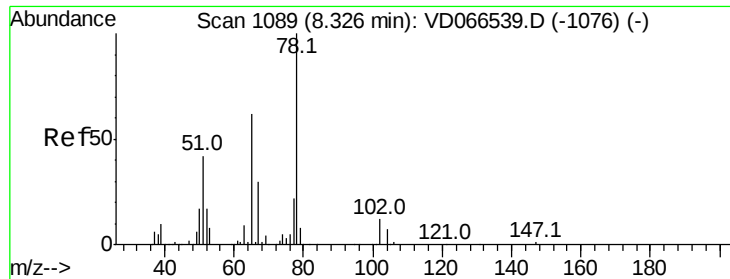
sam
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#32
1,1,1-Trichloroethane
Concen: 46.916 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. 0.01 min
Lab File: VD066572.D
Acq: 04 Sep 2020 19:24

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.5	51.4	77.0
61	45.0	37.4	56.0





#33

1,2-Dichloroethane-d4

Concen: 47.858 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.01 min

Lab File: VD066572.D

Acq: 04 Sep 2020 19:24

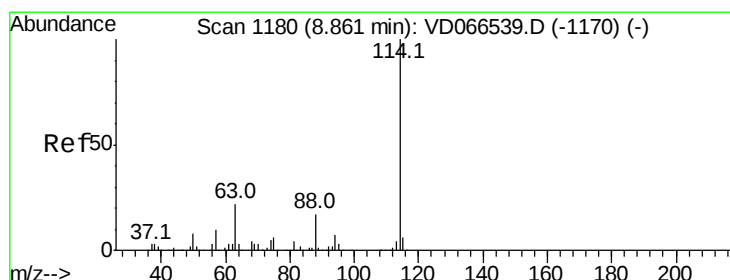
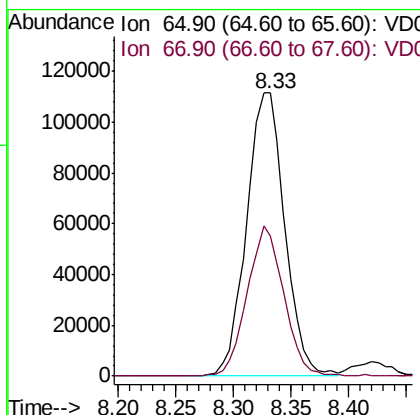
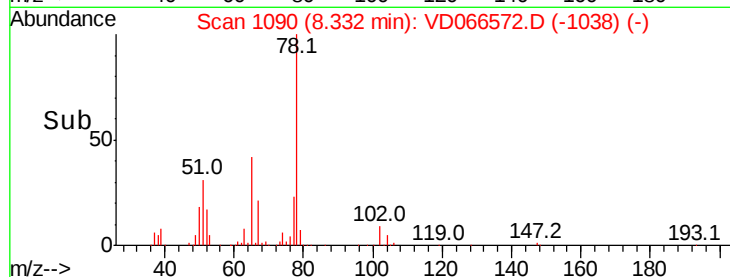
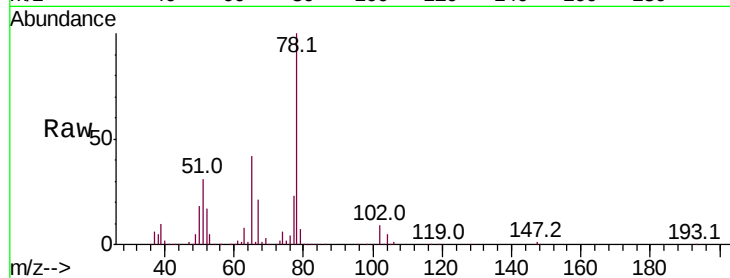
Instrument :
MSVOA_D

ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	50.7	0.0	102.8

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

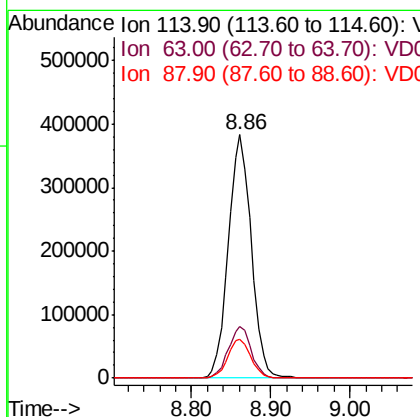
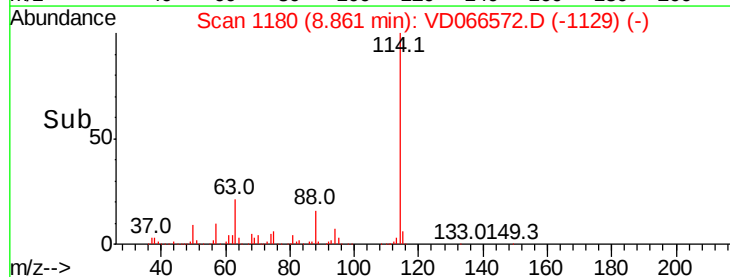
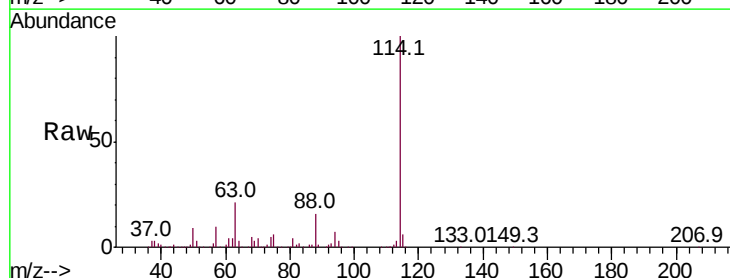
RT: 8.86 min Scan# 1180

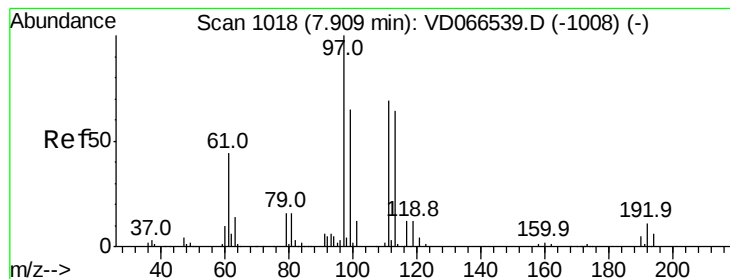
Delta R.T. -0.00 min

Lab File: VD066572.D

Acq: 04 Sep 2020 19:24

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	43.2
88	15.8	0.0	33.2





#35

Dibromofluoromethane

Concen: 46.662 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VD066572.D

Acq: 04 Sep 2020 19:24

Instrument :

MSVOA_D

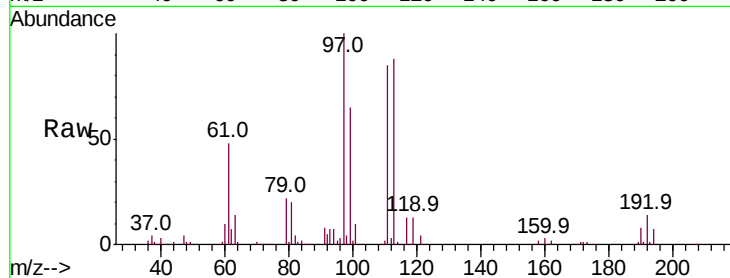
ClientSampleId :

VSTDCCC050EC

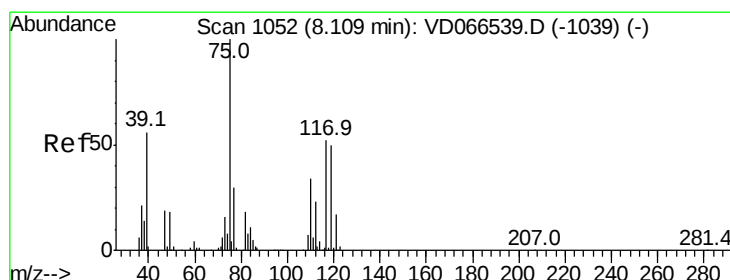
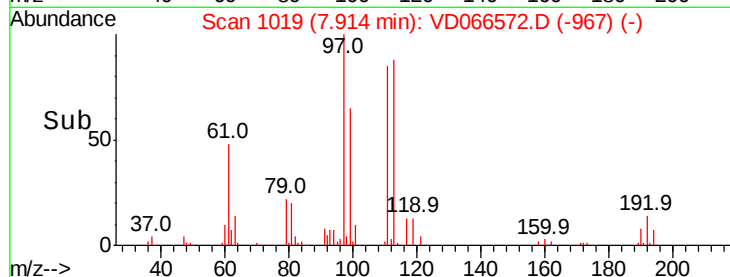
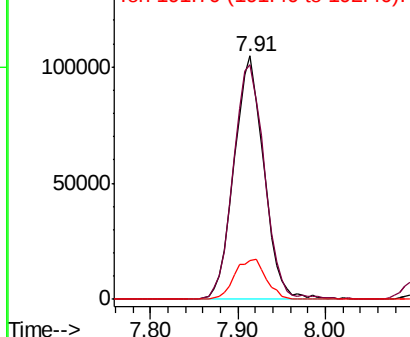
Tot Ion:	113	Resp:	241236
Ion Ratio	Lower	Upper	
113	100		
111	100.1	83.2	124.8
192	17.5	13.7	20.5

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Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 44.092 ug/l

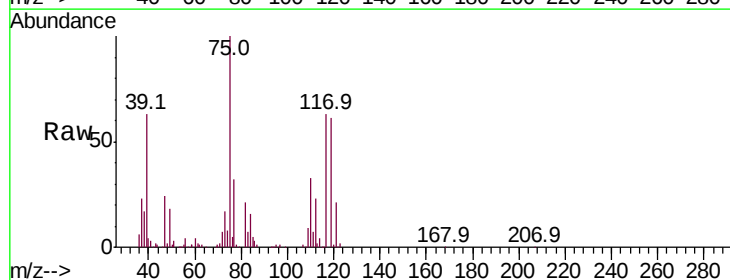
RT: 8.11 min Scan# 1052

Delta R.T. -0.00 min

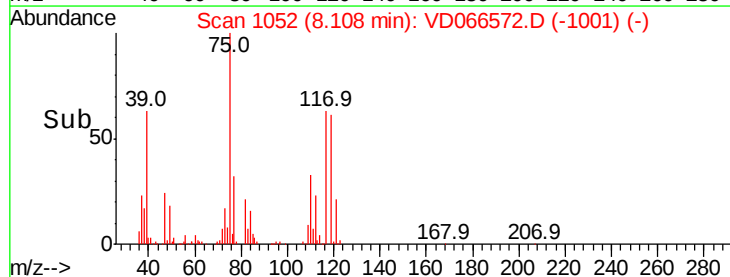
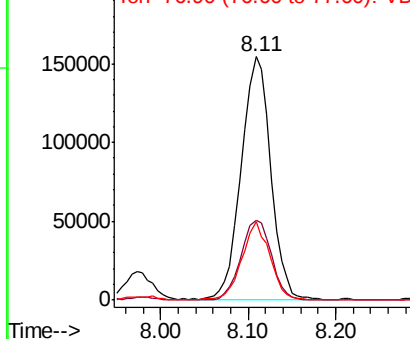
Lab File: VD066572.D

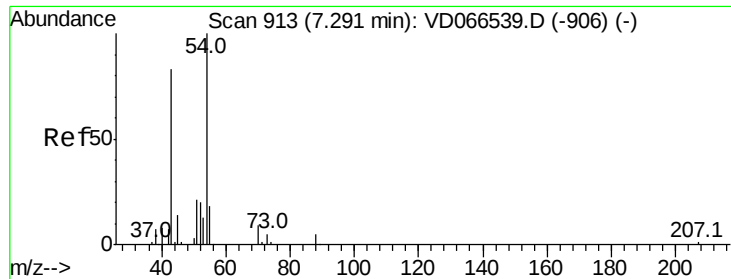
Acq: 04 Sep 2020 19:24

Tgt Ion:	75	Resp:	351646
Ion Ratio	Lower	Upper	
75	100		
110	34.1	17.3	52.0
77	30.7	25.1	37.7



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V





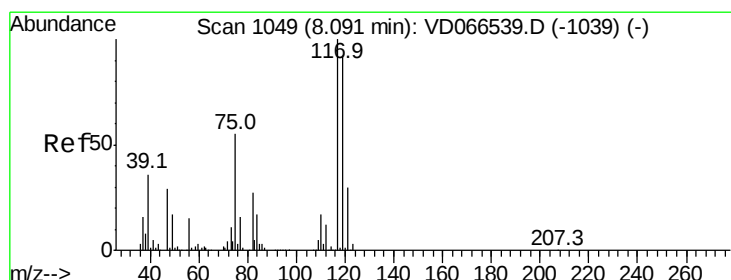
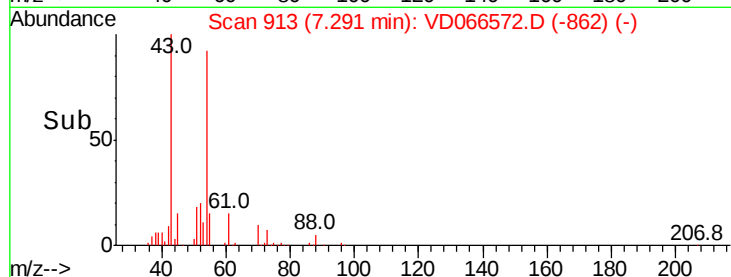
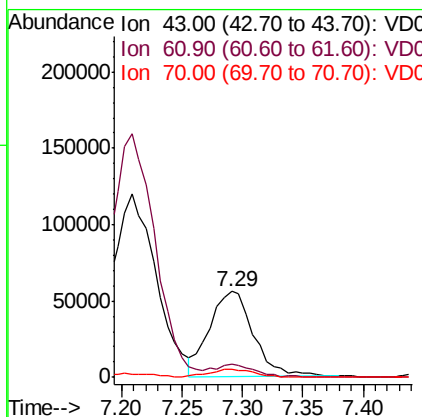
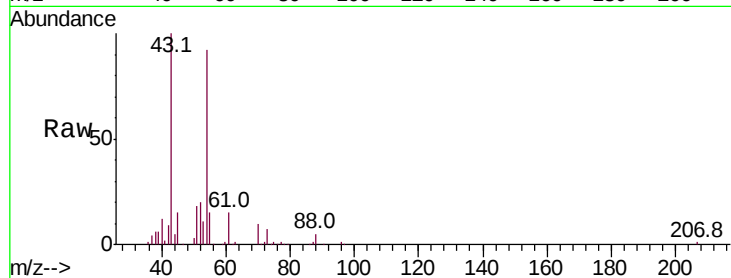
#37
Ethyl Acetate
Concen: 44.494 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD066572.D
Acq: 04 Sep 2020 19:24

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	11.8	17.8
70	10.1	7.9	11.9

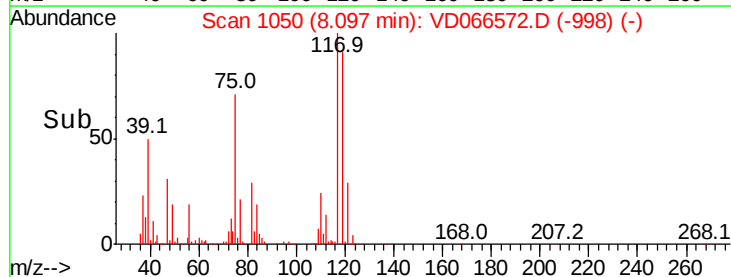
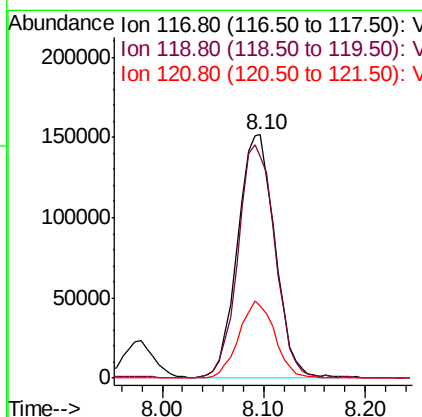
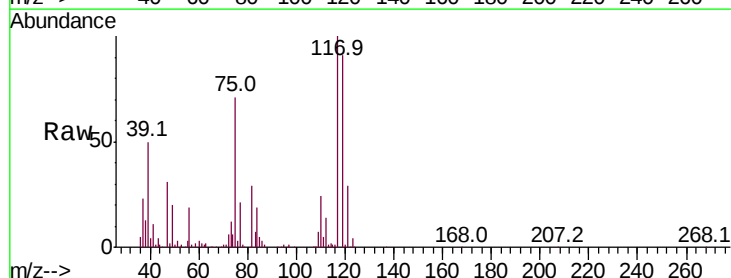
Manual Integrations
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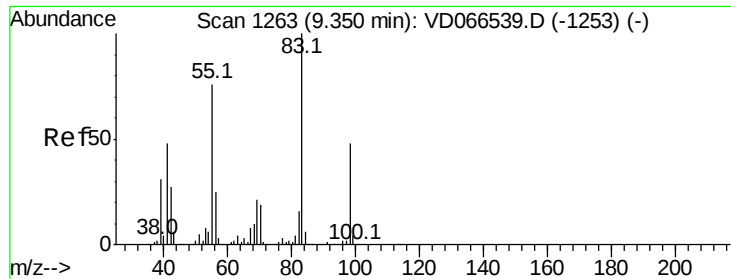
sam
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#38
Carbon Tetrachloride
Concen: 45.859 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.01 min
Lab File: VD066572.D
Acq: 04 Sep 2020 19:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.1	73.9	110.9
121	29.4	24.1	36.1





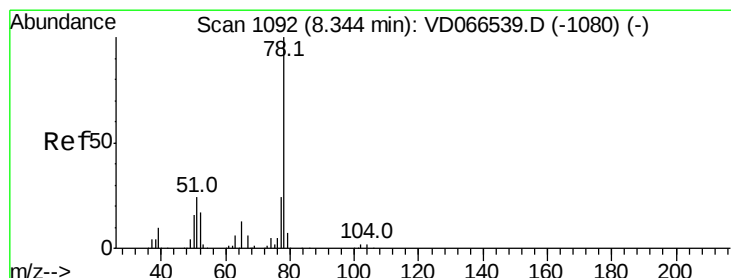
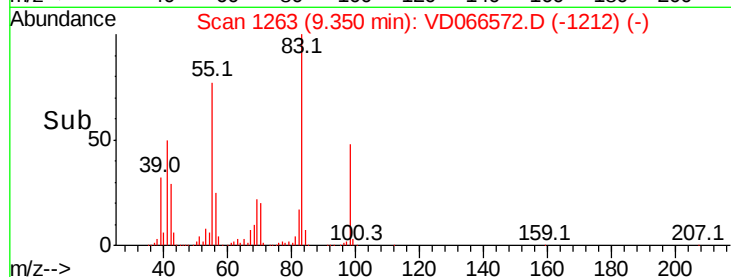
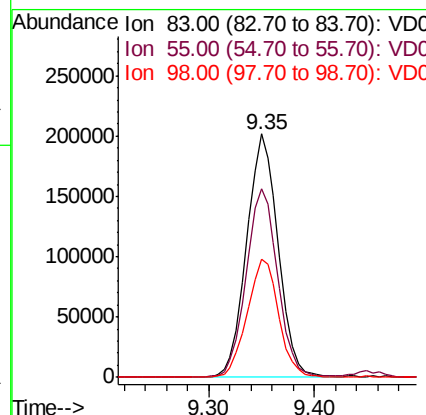
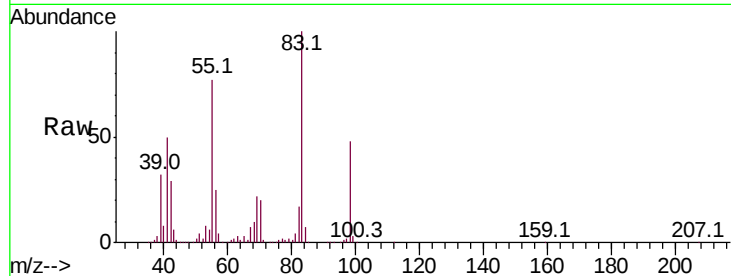
#39
Methylvlcyclohexane
Concen: 46.976 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VD066572.D
Acq: 04 Sep 2020 19:24

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	418349
Ion Ratio	100	Lower	Upper
83	100		
55	77.3	60.8	91.2
98	48.3	38.6	58.0

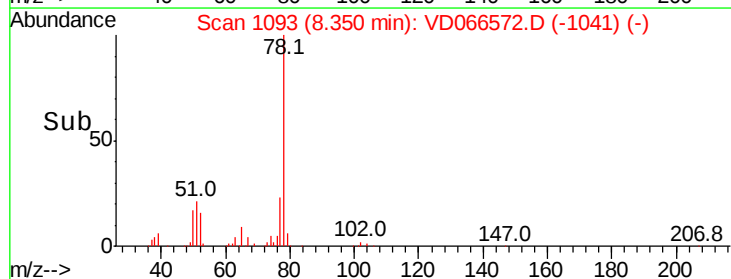
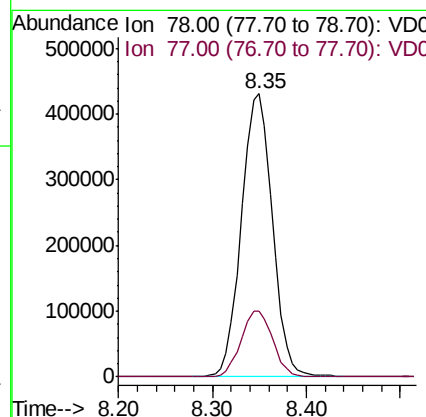
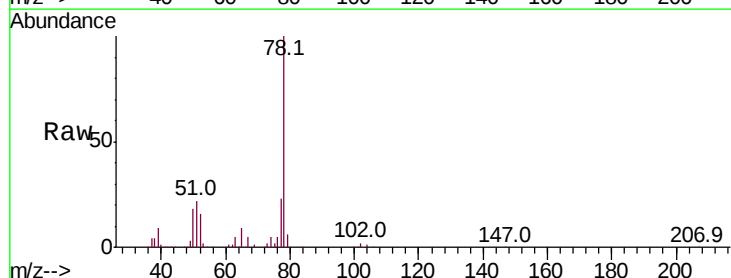
Manual Integrations
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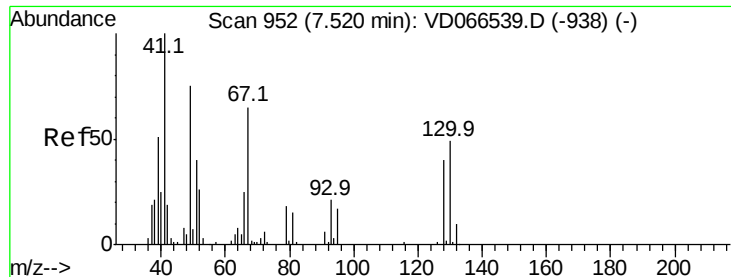
sam
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#40
Benzene
Concen: 45.202 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.01 min
Lab File: VD066572.D
Acq: 04 Sep 2020 19:24

Tgt Ion	78	Resp	987330
Ion Ratio	100	Lower	Upper
78	100		
77	23.4	19.1	28.7





#41

Methacrylonitrile

Concen: 57.103 ug/l m

RT: 7.53 min Scan# 953

Delta R.T. 0.01 min

Lab File: VD066572.D

Acq: 04 Sep 2020 19:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 87781

Ion Ratio Lower Upper

41 100

39 63.4 53.6 80.4

67 0.0 59.2 88.8#

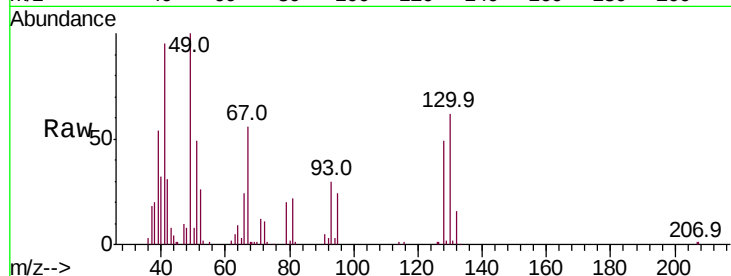
52 0.0 26.8 40.2#

Manual Integrations

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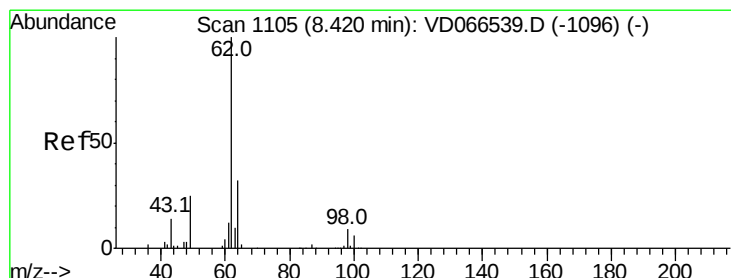
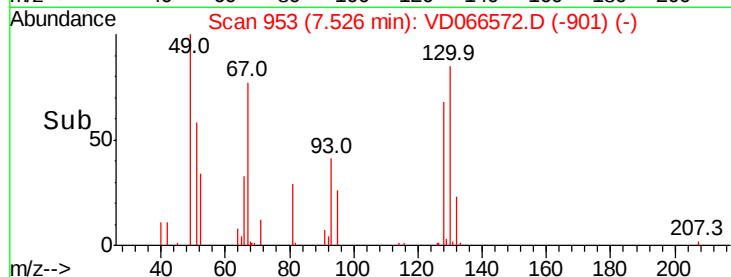
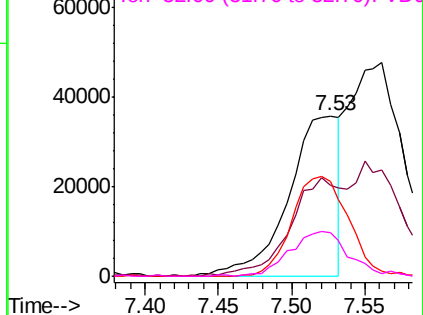


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 45.335 ug/l

RT: 8.42 min Scan# 1105

Delta R.T. -0.00 min

Lab File: VD066572.D

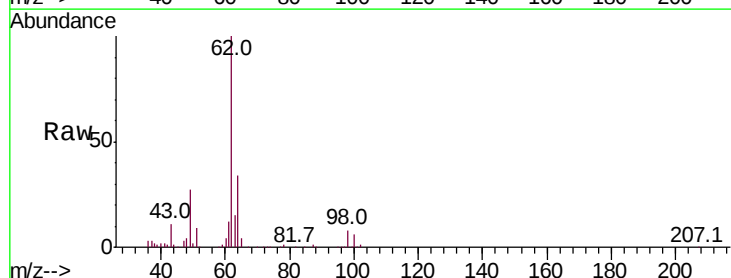
Acq: 04 Sep 2020 19:24

Tgt Ion: 62 Resp: 320840

Ion Ratio Lower Upper

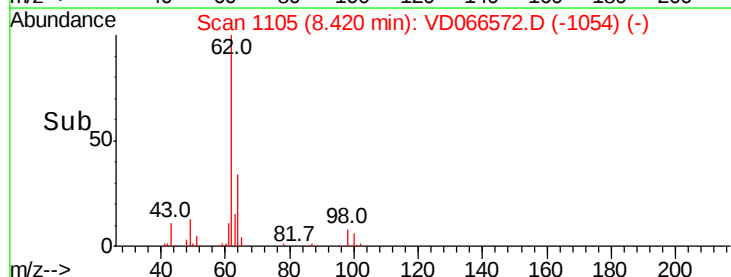
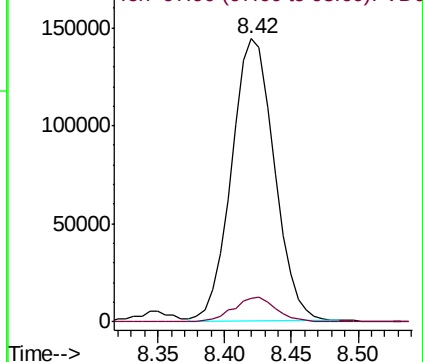
62 100

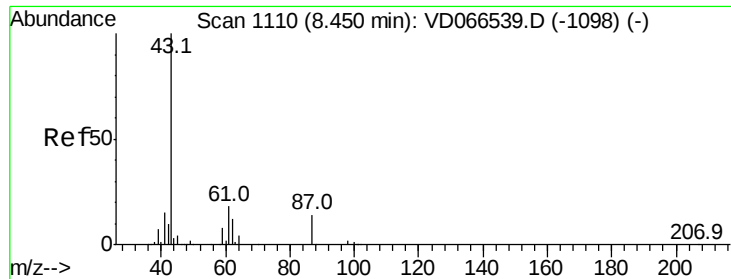
98 8.7 0.0 17.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 47.626 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VD066572.D

Acq: 04 Sep 2020 19:24

Instrument :

MSVOA_D

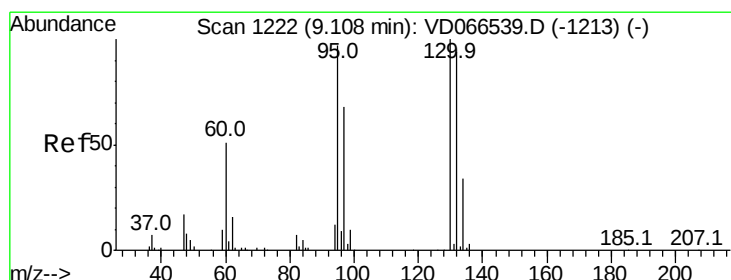
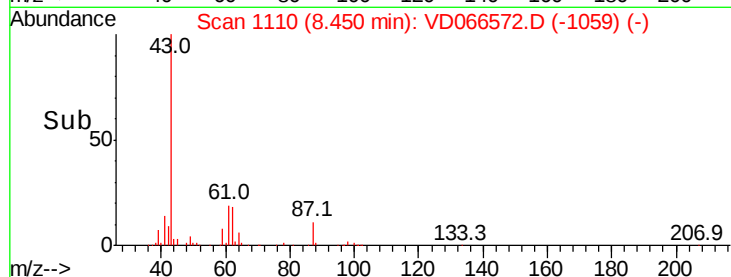
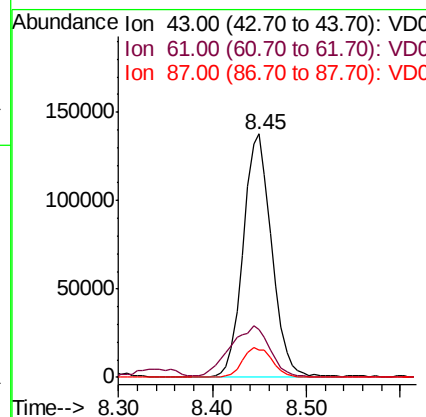
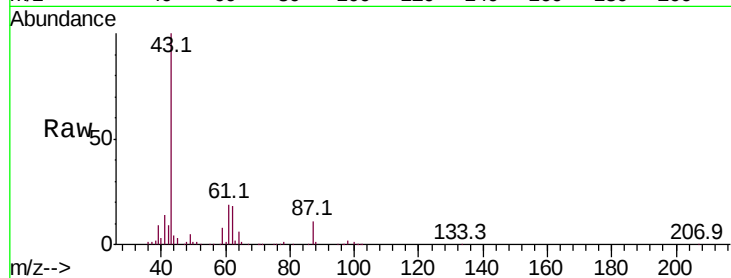
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	289850
Ion Ratio	Lower	Upper	
43	100		
61	29.5	23.8	35.8
87	12.7	10.7	16.1

Manual Integrations
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#44

Trichloroethene

Concen: 45.887 ug/l

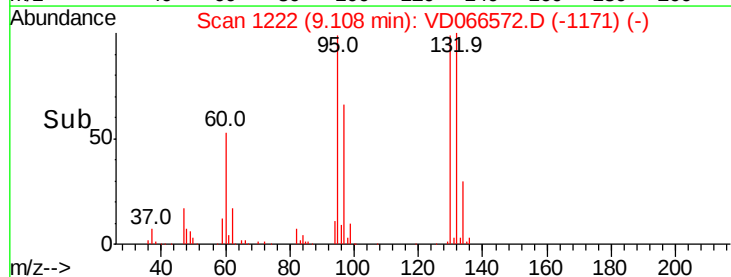
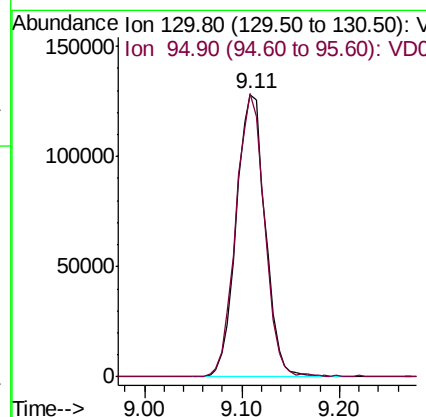
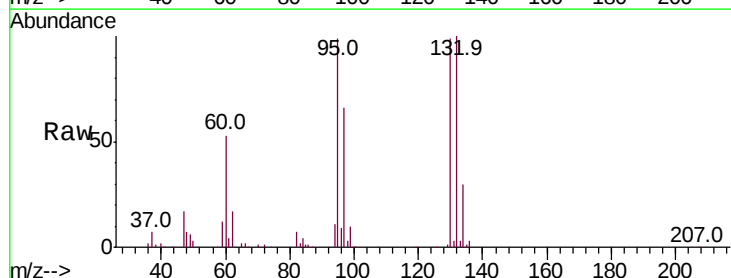
RT: 9.11 min Scan# 1222

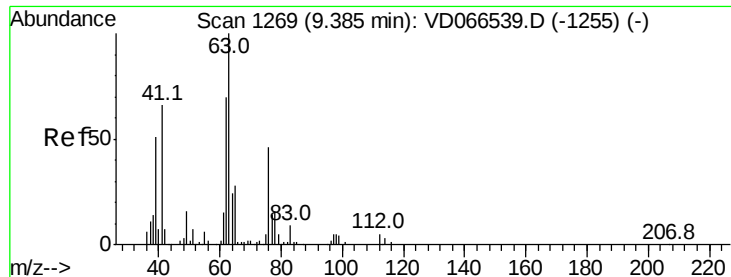
Delta R.T. -0.00 min

Lab File: VD066572.D

Acq: 04 Sep 2020 19:24

Tgt Ion:	130	Resp:	262908
Ion Ratio	Lower	Upper	
130	100		
95	100.2	0.0	194.4





#45

1,2-Dichloropropane

Concen: 45.947 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VD066572.D

Acq: 04 Sep 2020 19:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 252385

Ion Ratio Lower Upper

63 100

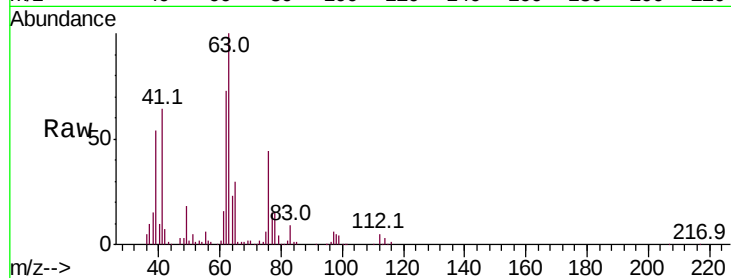
65 29.7 22.6 34.0

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.38

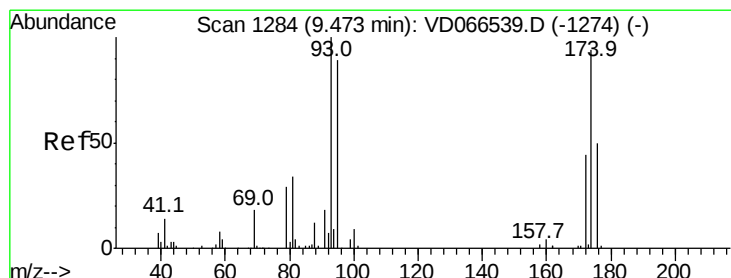
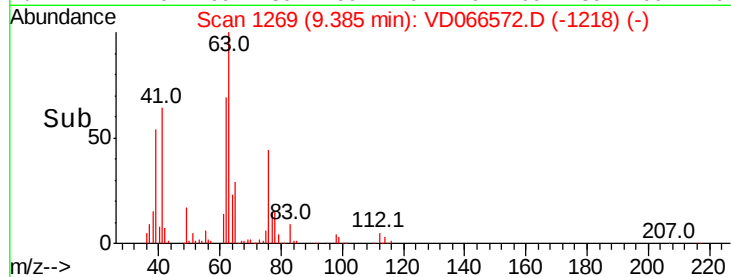
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 45.434 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.00 min

Lab File: VD066572.D

Acq: 04 Sep 2020 19:24

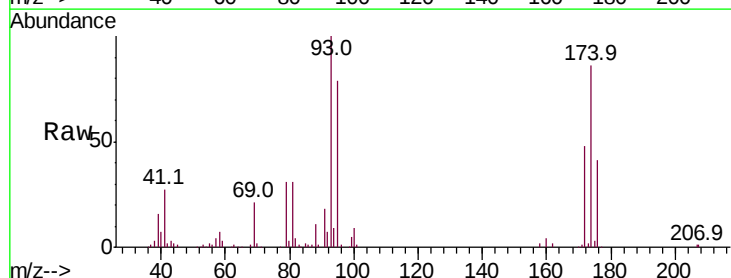
Tgt Ion: 93 Resp: 137690

Ion Ratio Lower Upper

93 100

95 84.5 68.7 103.1

174 90.5 70.0 105.0



Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

100000

80000

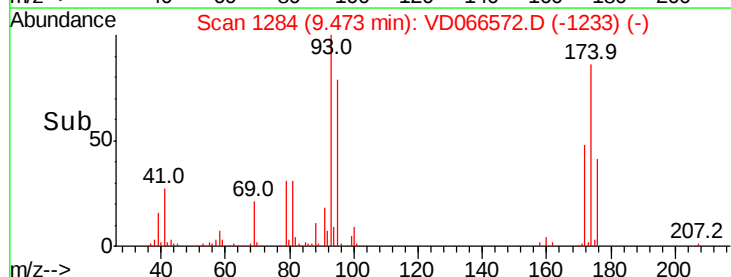
60000

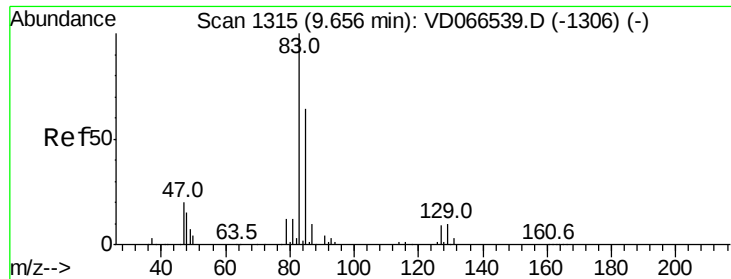
40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 46.102 ug/l

RT: 9.66 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VD066572.D

Acq: 04 Sep 2020 19:24

Instrument :

MSVOA_D

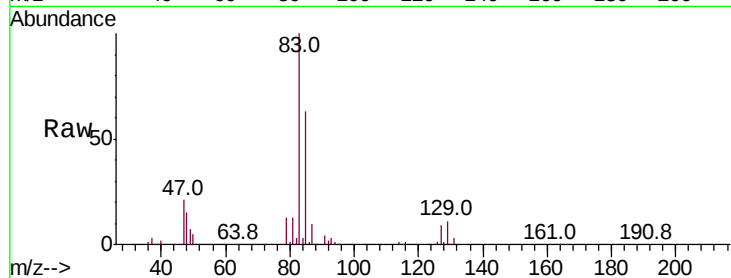
ClientSampleId :

VSTDCCC050EC

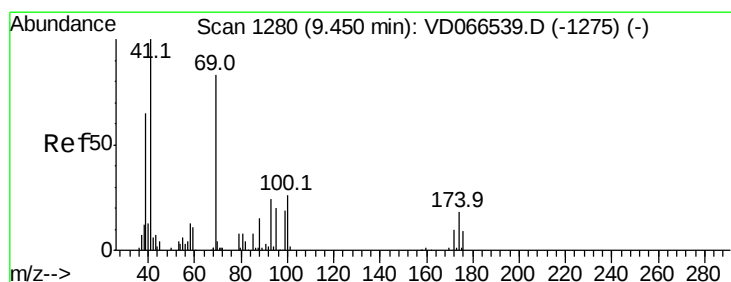
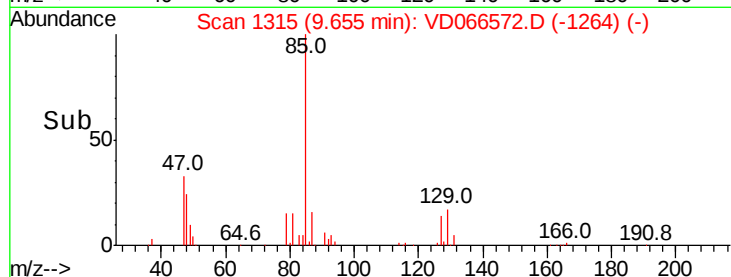
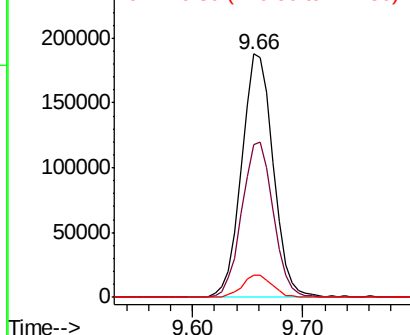
Tot Ion:	83	Resp:	378001
Ion	Ratio	Lower	Upper
83	100		
85	62.5	51.1	76.7
127	8.9	6.9	10.3

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 49.001 ug/l

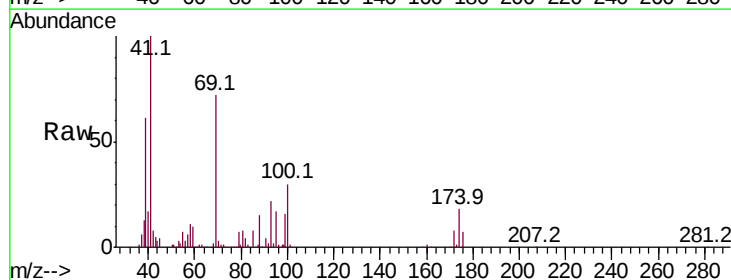
RT: 9.45 min Scan# 1280

Delta R.T. -0.00 min

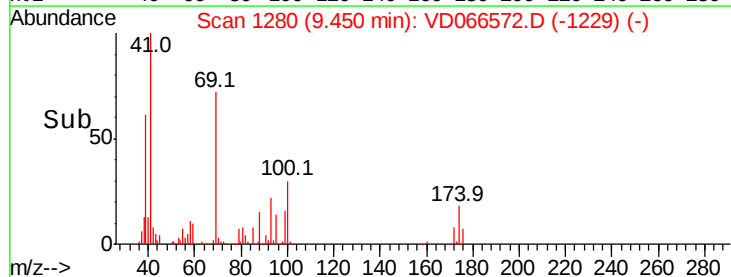
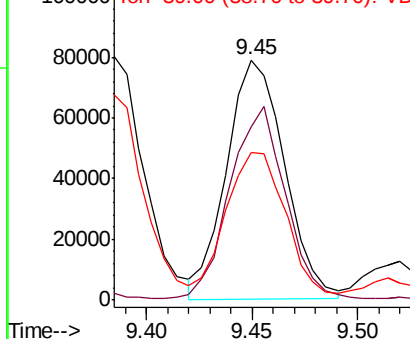
Lab File: VD066572.D

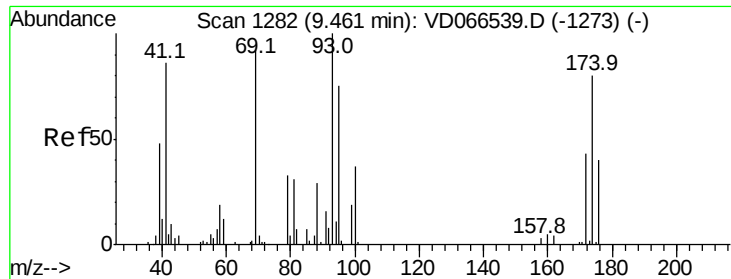
Acq: 04 Sep 2020 19:24

Tgt Ion:	41	Resp:	150796
Ion	Ratio	Lower	Upper
41	100		
69	76.4	64.5	96.7
39	58.3	46.6	69.8



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 39.00 (38.70 to 39.70): VDC





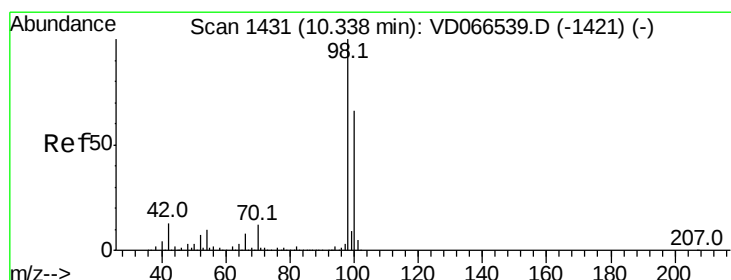
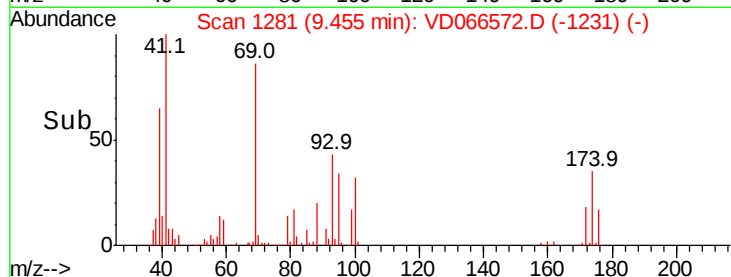
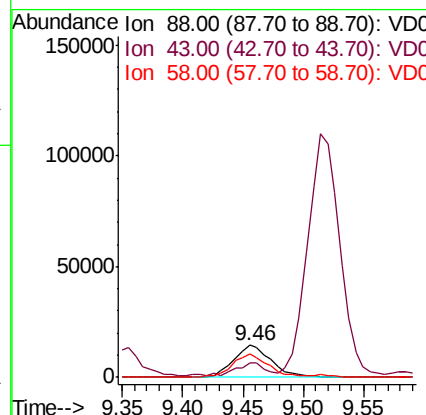
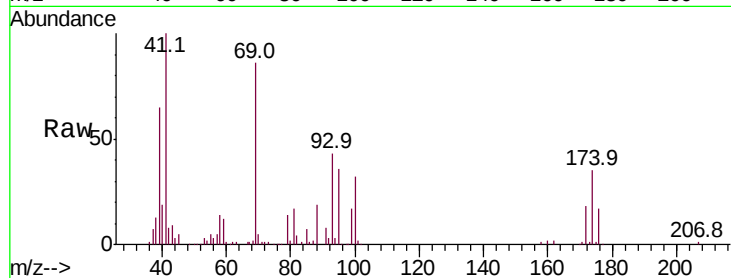
#49
 1,4-Dioxane
 Concen: 955.683 ug/l
 RT: 9.46 min Scan# 1281
 Delta R.T. -0.01 min
 Lab File: VD066572.D
 Acq: 04 Sep 2020 19:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.0	28.3	42.5
58	70.3	56.1	84.1

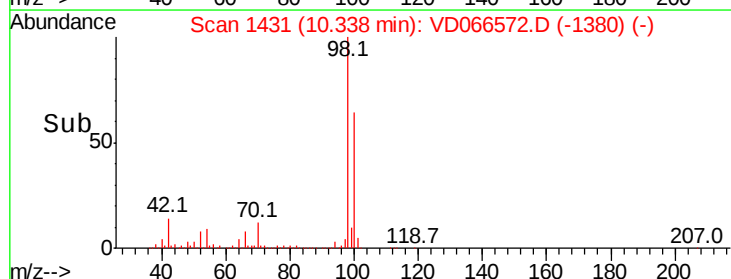
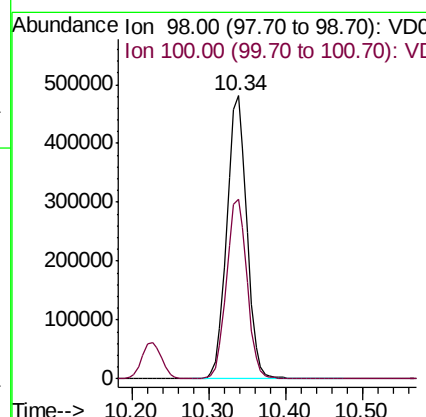
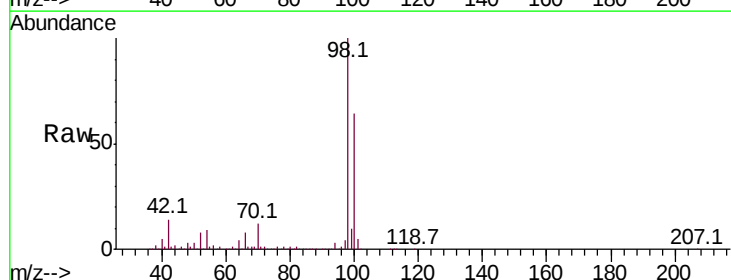
Manual Integrations
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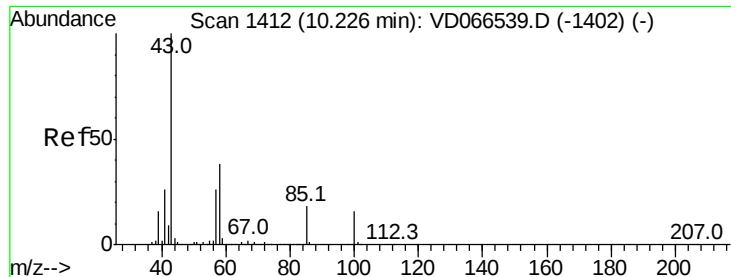
sam
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#50
 Toluene-d8
 Concen: 47.230 ug/l
 RT: 10.34 min Scan# 1431
 Delta R.T. -0.00 min
 Lab File: VD066572.D
 Acq: 04 Sep 2020 19:24

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 232.707 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. -0.00 min

Lab File: VD066572.D

Acq: 04 Sep 2020 19:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 714250

Ion Ratio Lower Upper

43 100

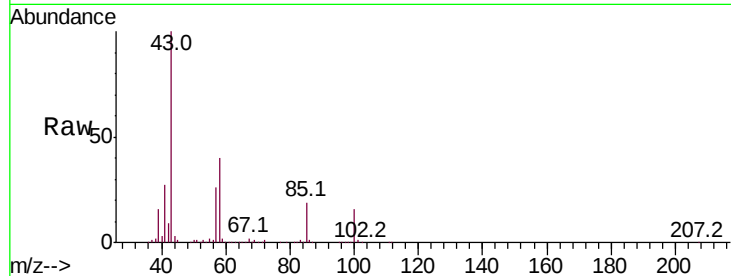
58 38.4 30.5 45.7

Manual Integrations

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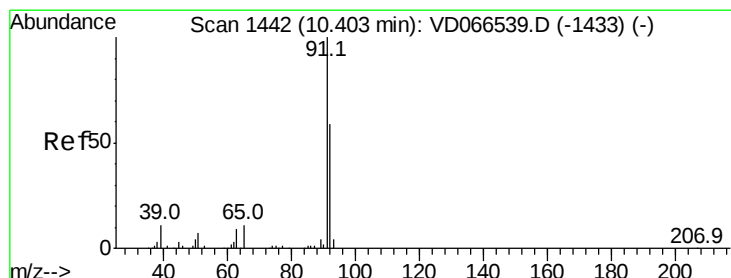
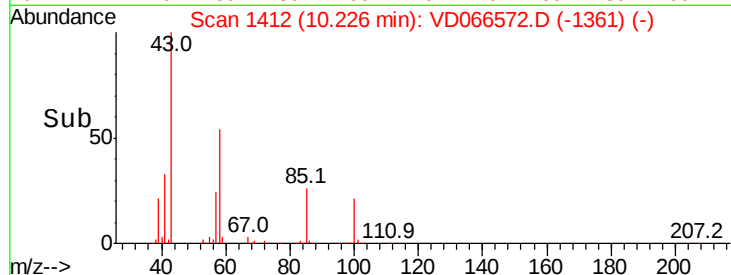
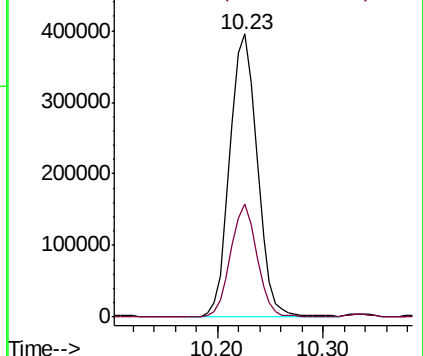
Sam

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 45.709 ug/l

RT: 10.40 min Scan# 1441

Delta R.T. -0.01 min

Lab File: VD066572.D

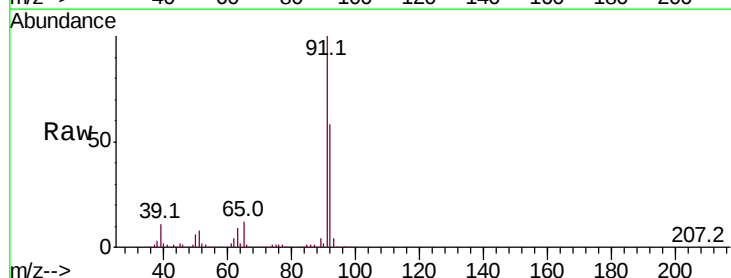
Acq: 04 Sep 2020 19:24

Tgt Ion: 92 Resp: 631994

Ion Ratio Lower Upper

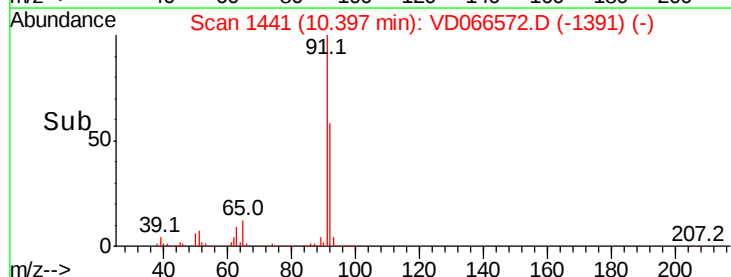
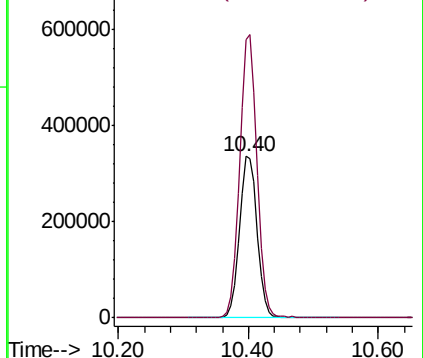
92 100

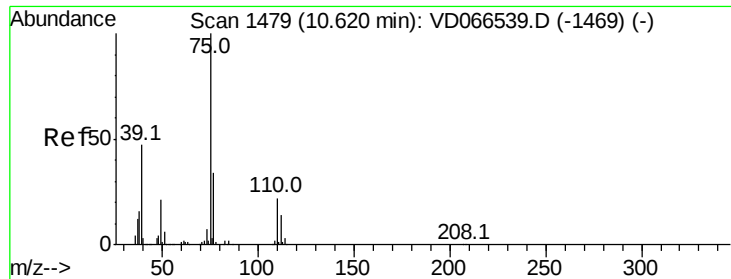
91 171.5 137.4 206.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





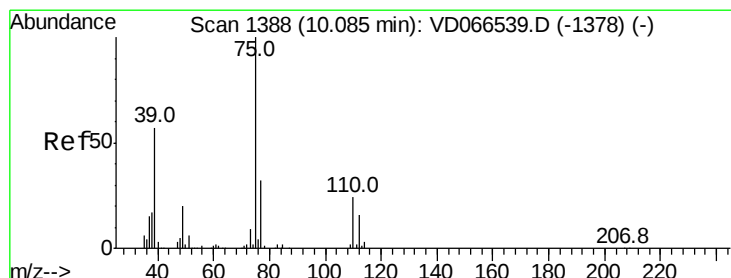
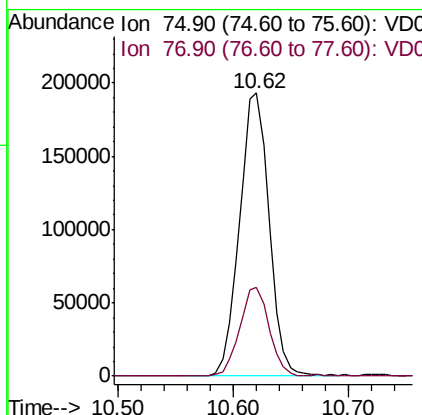
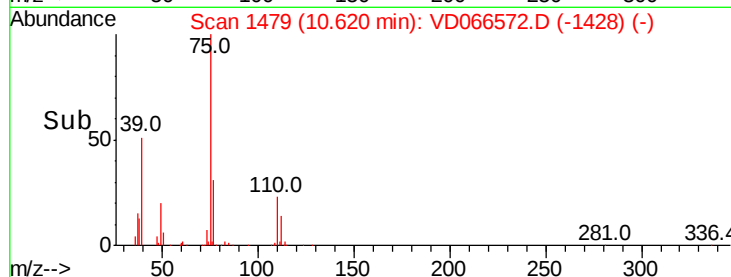
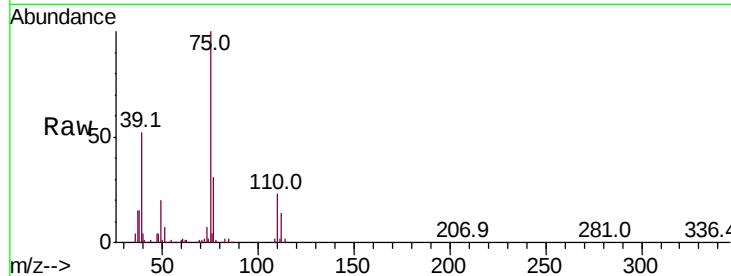
#53
 t-1,3-Dichloropropene
 Concen: 47.611 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. -0.00 min
 Lab File: VD066572.D
 Acq: 04 Sep 2020 19:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 344610
 Ion Ratio Lower Upper
 75 100
 77 31.4 27.4 41.2

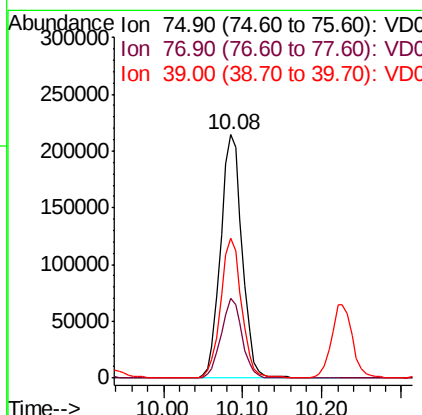
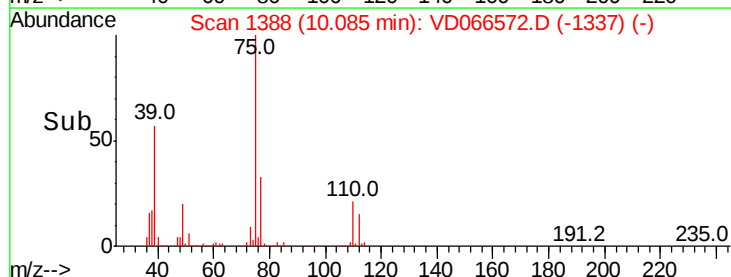
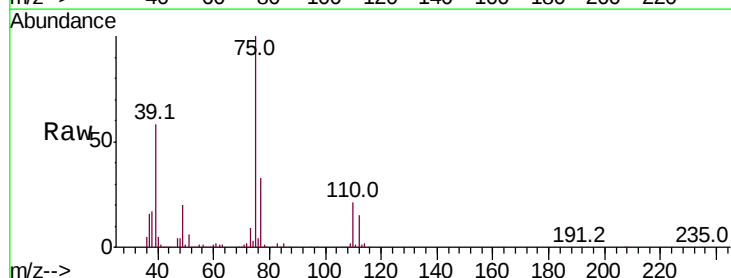
Manual Integrations
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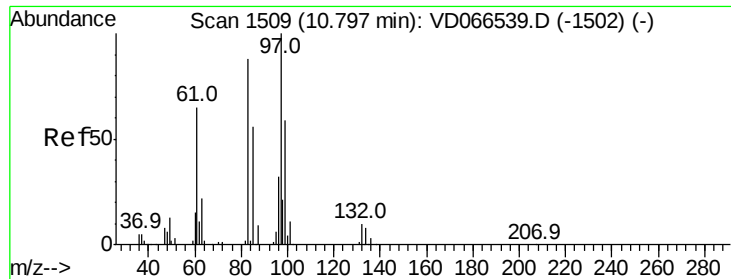
sam
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#54
 cis-1,3-Dichloropropene
 Concen: 46.283 ug/l
 RT: 10.08 min Scan# 1388
 Delta R.T. -0.00 min
 Lab File: VD066572.D
 Acq: 04 Sep 2020 19:24

Tgt Ion: 75 Resp: 402295
 Ion Ratio Lower Upper
 75 100
 77 32.5 25.4 38.0
 39 57.3 45.4 68.0





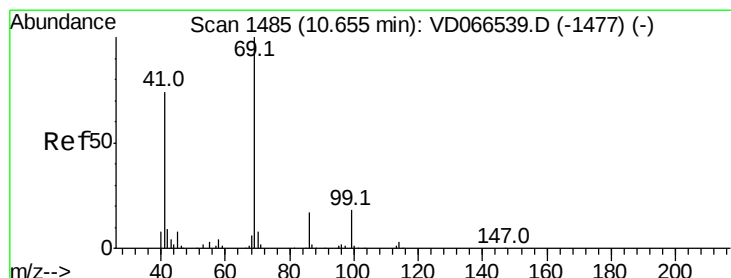
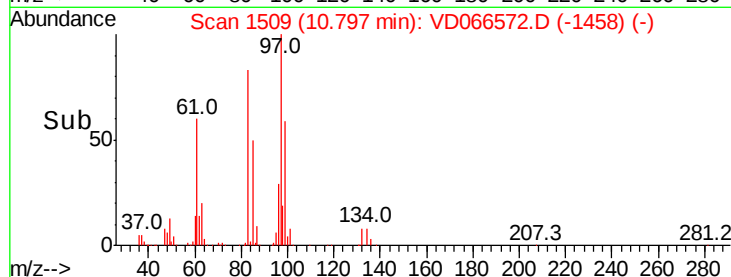
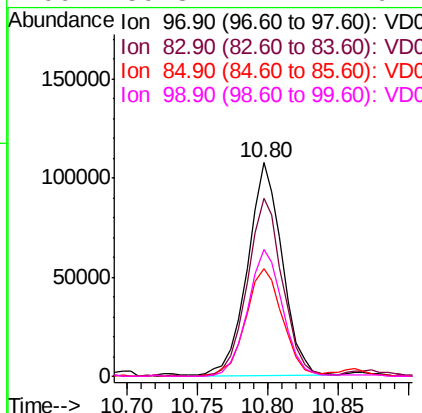
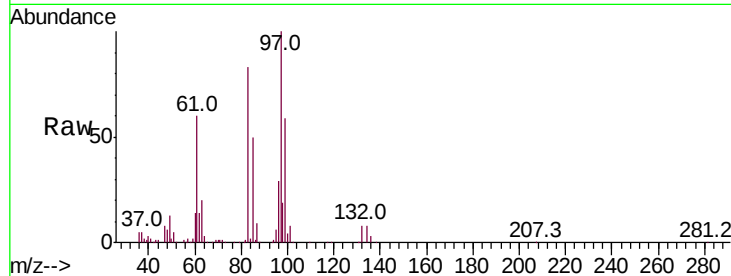
#55
 1,1,2-Trichloroethane
 Concen: 47.541 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.00 min
 Lab File: VD066572.D
 Acq: 04 Sep 2020 19:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	83.7	70.1	105.1	
85	50.3	44.5	66.7	
99	59.3	47.1	70.7	

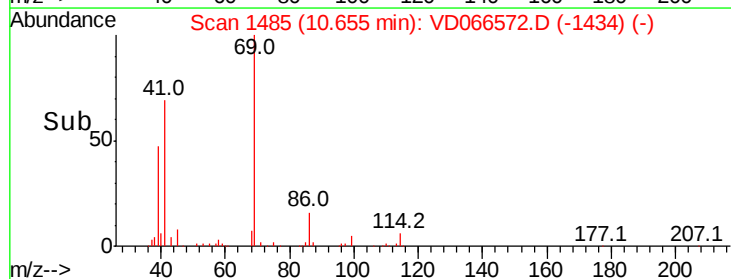
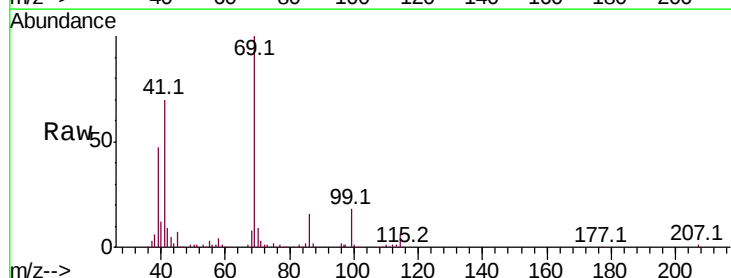
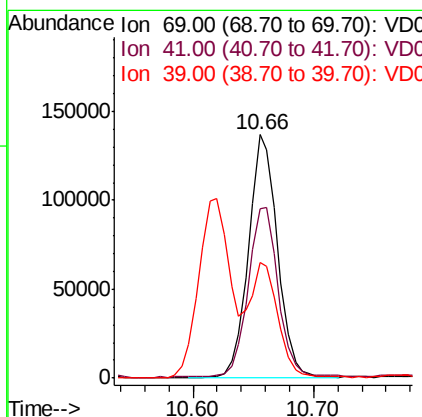
Manual Integrations
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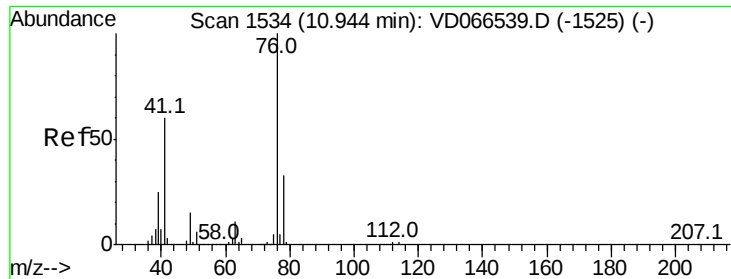
sam
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#56
 Ethyl methacrylate
 Concen: 50.414 ug/l
 RT: 10.66 min Scan# 1485
 Delta R.T. -0.00 min
 Lab File: VD066572.D
 Acq: 04 Sep 2020 19:24

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	73.7	56.8	85.2	
39	42.0	30.6	46.0	





#57

1,3-Dichloropropane

Concen: 45.666 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. -0.00 min

Lab File: VD066572.D

Acq: 04 Sep 2020 19:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 311675

Ion Ratio Lower Upper

76 100

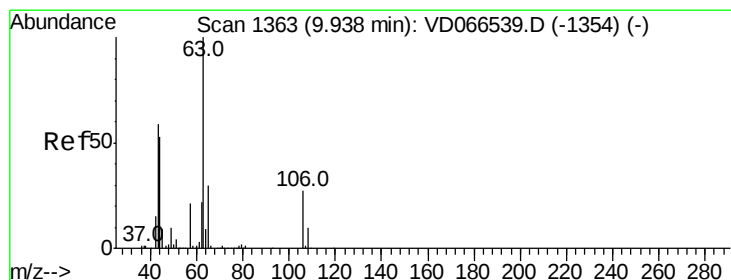
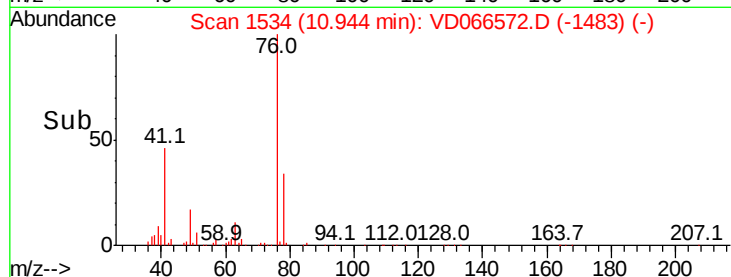
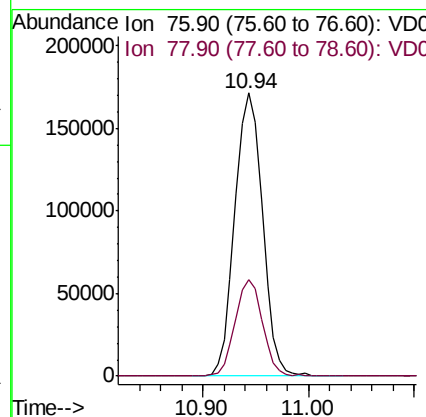
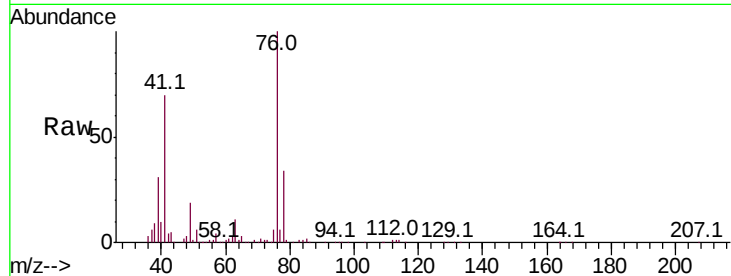
78 33.5 25.8 38.8

Manual Integrations

APPROVED

sam

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#58

2-Chloroethyl Vinyl ether

Concen: 222.821 ug/l

RT: 9.94 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VD066572.D

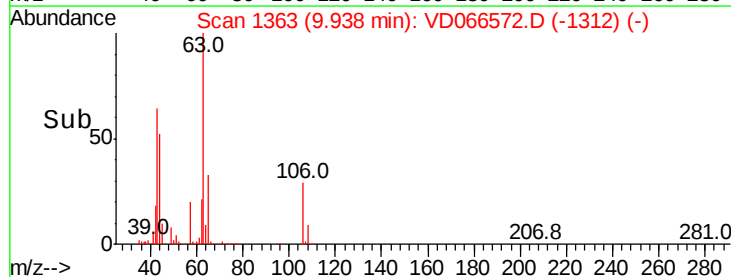
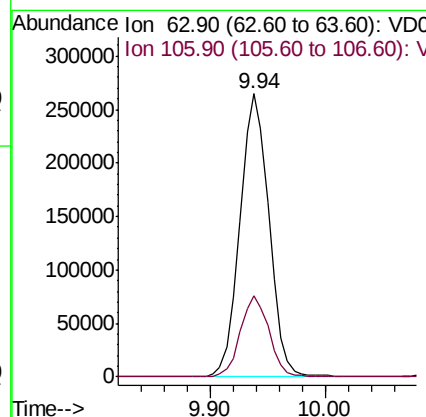
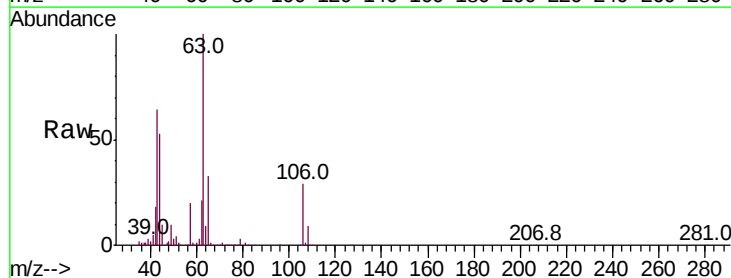
Acq: 04 Sep 2020 19:24

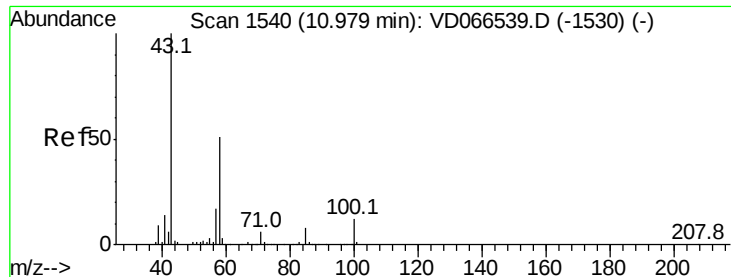
Tgt Ion: 63 Resp: 462387

Ion Ratio Lower Upper

63 100

106 28.2 22.0 33.0





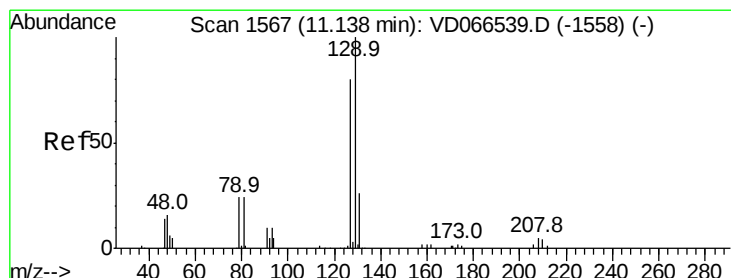
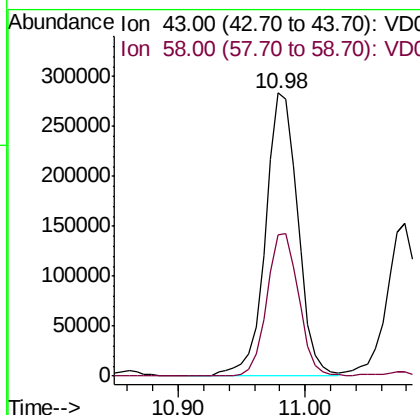
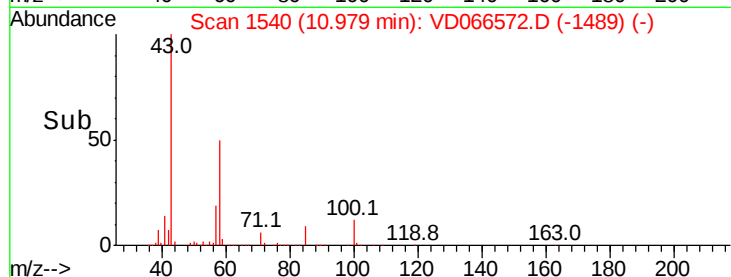
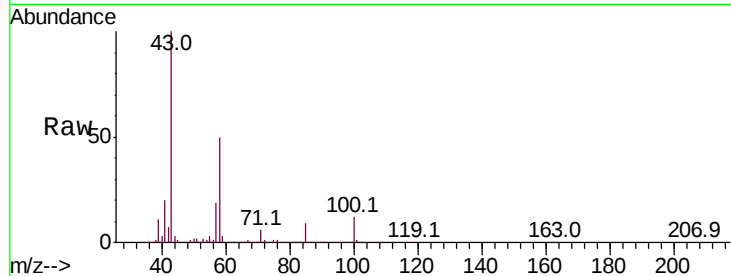
#59
2-Hexanone
Concen: 243.721 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VD066572.D
Acq: 04 Sep 2020 19:24

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 503052
Ion Ratio Lower Upper
43 100
58 49.6 25.6 76.8

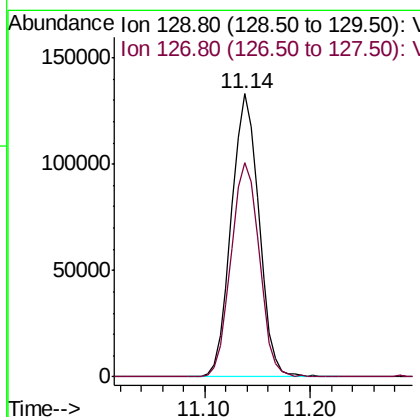
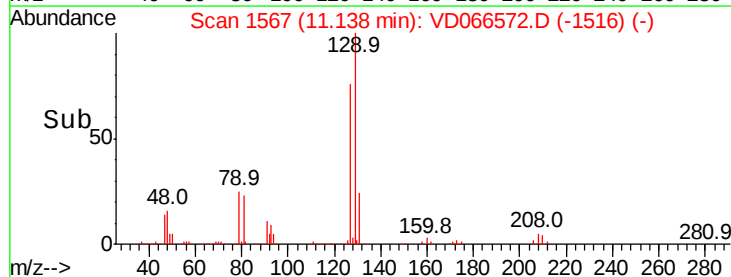
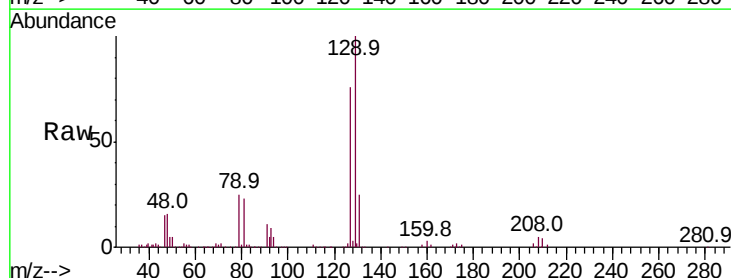
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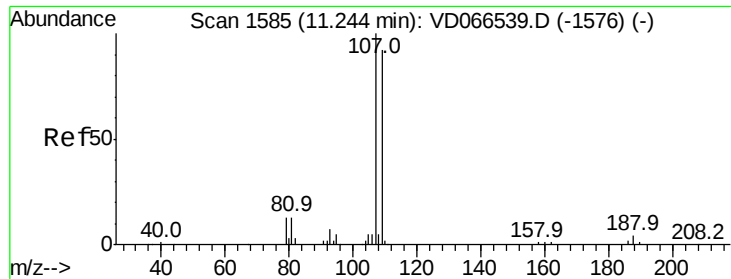
sam
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#60
Dibromochloromethane
Concen: 46.561 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VD066572.D
Acq: 04 Sep 2020 19:24

Tgt Ion: 129 Resp: 239911
Ion Ratio Lower Upper
129 100
127 77.4 39.5 118.3





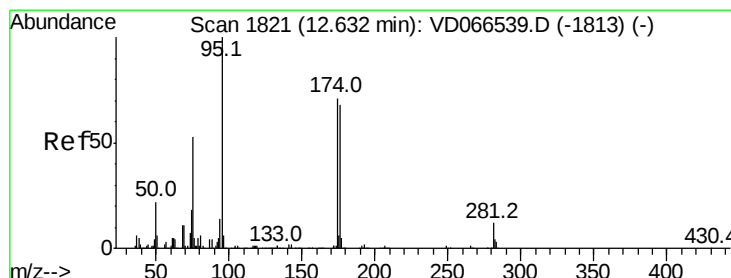
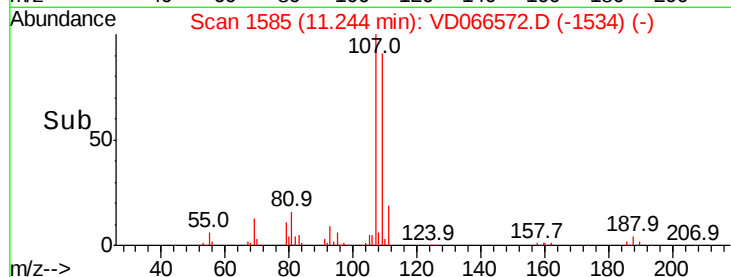
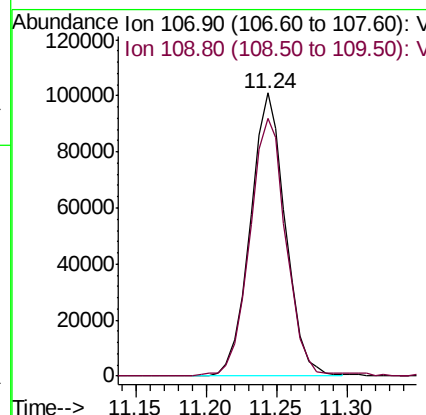
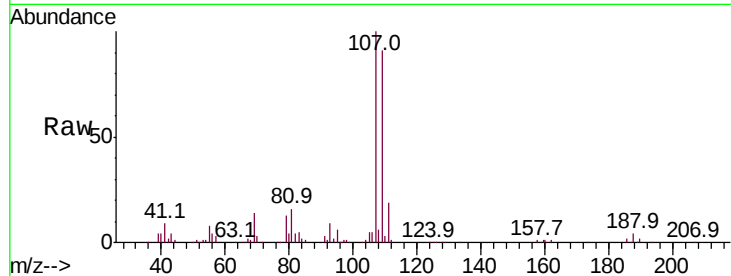
#61
 1,2-Dibromoethane
 Concen: 46.336 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: VD066572.D
 Acq: 04 Sep 2020 19:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
107	100	175654		
109	95.1	74.4	111.6	

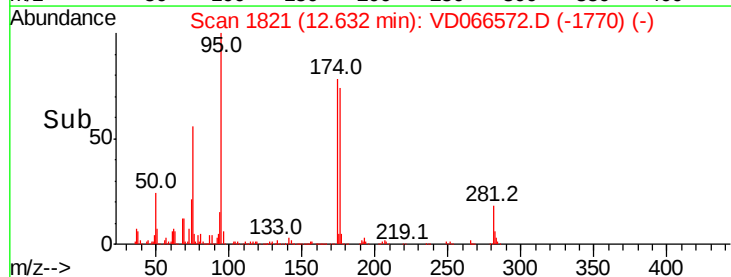
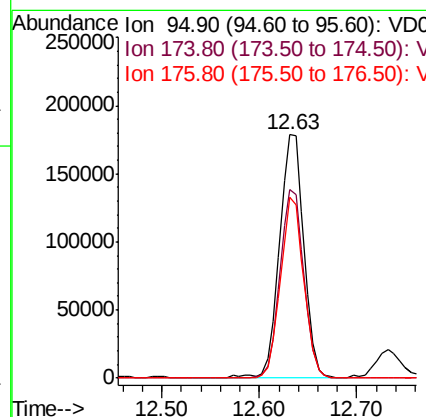
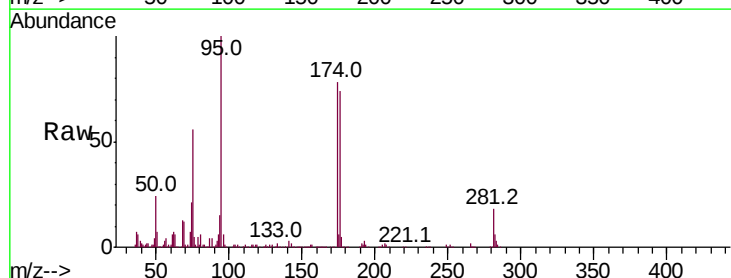
Manual Integrations
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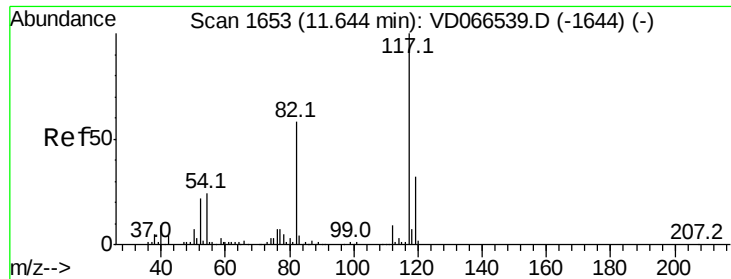
sam
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#62
 4-Bromofluorobenzene
 Concen: 50.194 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD066572.D
 Acq: 04 Sep 2020 19:24

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	307537		
174	76.4	0.0	155.8	
176	71.4	0.0	148.6	





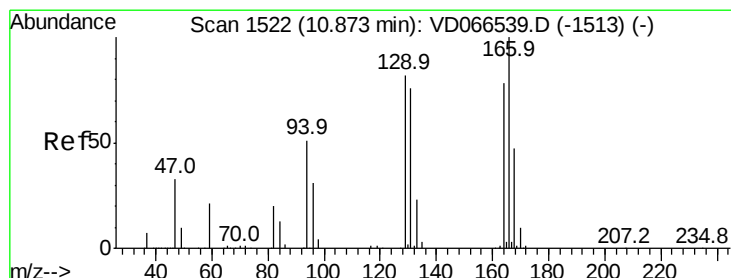
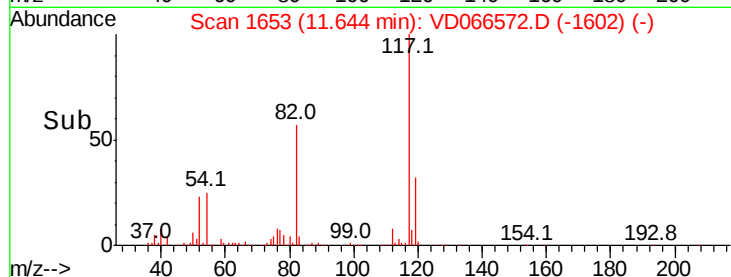
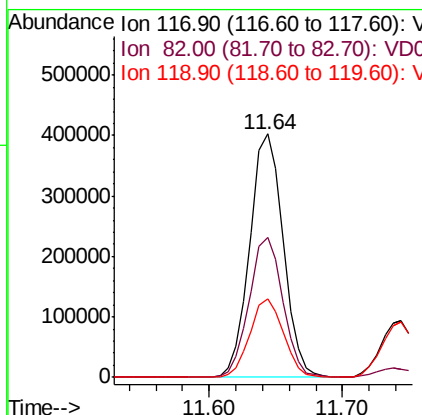
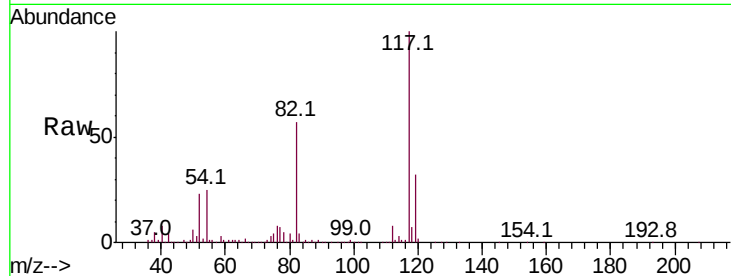
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066572.D
Acq: 04 Sep 2020 19:24

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	696435		
82	57.3	46.2	69.2	
119	32.1	25.8	38.8	

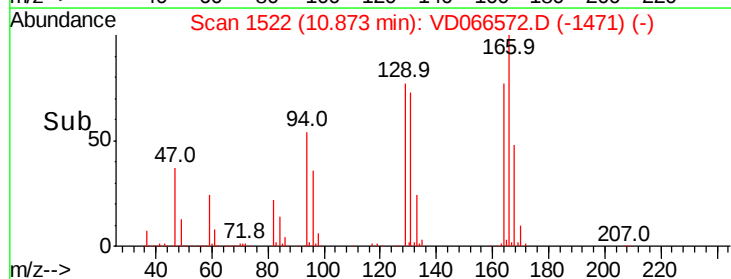
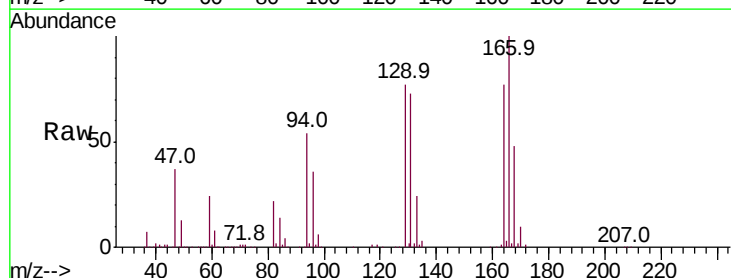
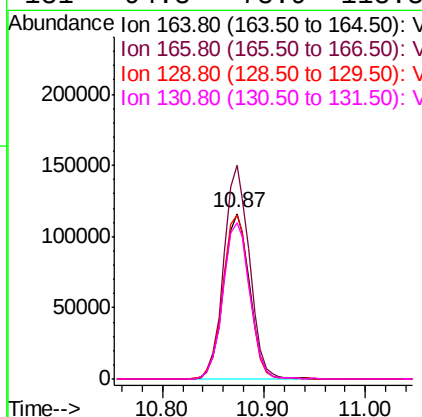
Manual Integrations
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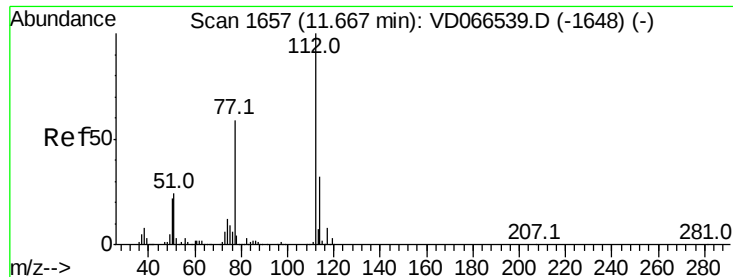
sam
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#64
Tetrachloroethene
Concen: 44.320 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD066572.D
Acq: 04 Sep 2020 19:24

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	207824		
166	129.1	103.2	154.8	
129	99.4	84.5	126.7	
131	94.8	78.9	118.3	





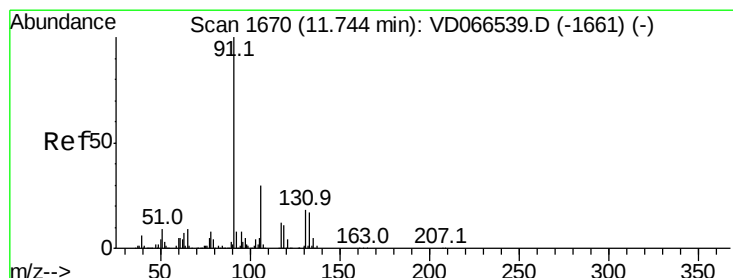
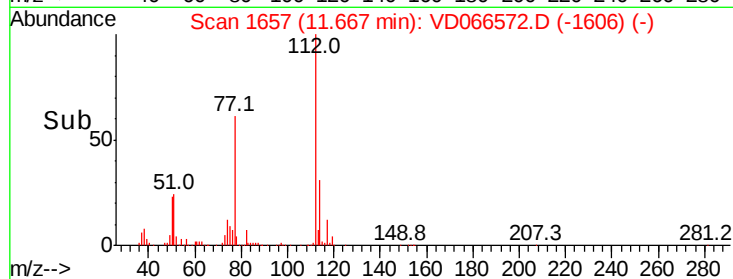
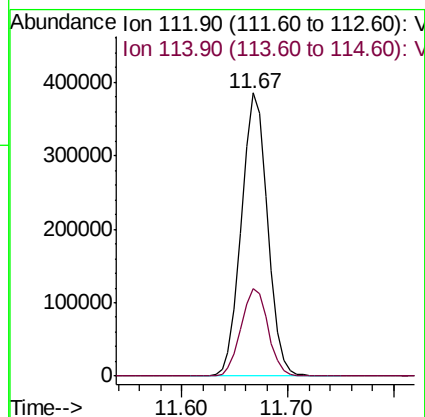
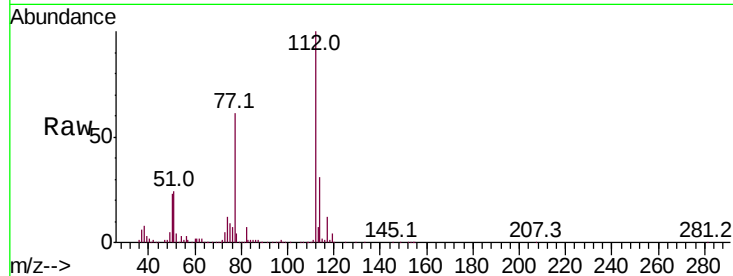
#65
Chlorobenzene
Concen: 45.958 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.00 min
Lab File: VD066572.D
Acq: 04 Sep 2020 19:24

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.0	25.7	38.5

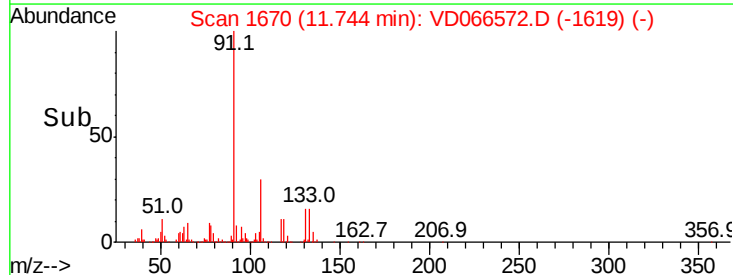
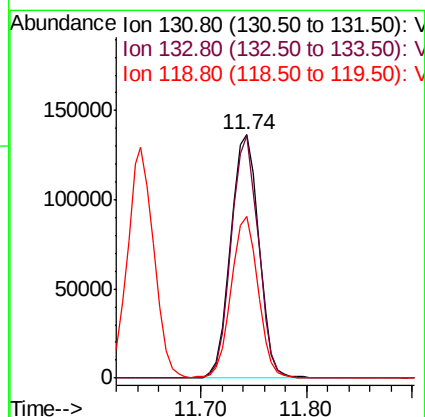
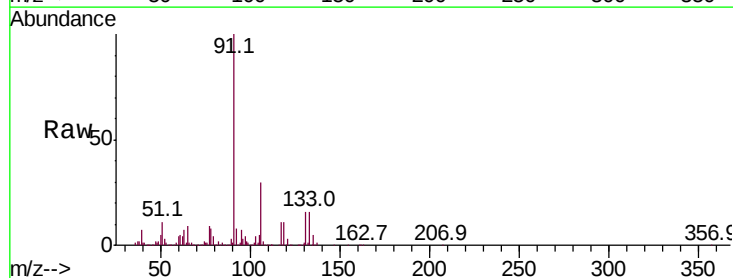
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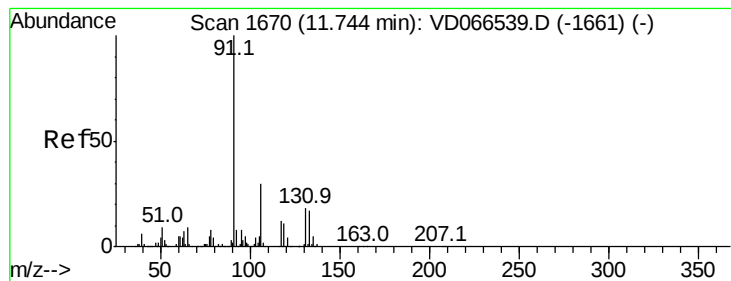
sam
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#66
1,1,1,2-Tetrachloroethane
Concen: 45.818 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD066572.D
Acq: 04 Sep 2020 19:24

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.7	46.7	140.0
119	63.5	31.9	95.7





#67

Ethyl Benzene

Concen: 52.896 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD066572.D

Acq: 04 Sep 2020 19:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1396101

Ion Ratio Lower Upper

91 100

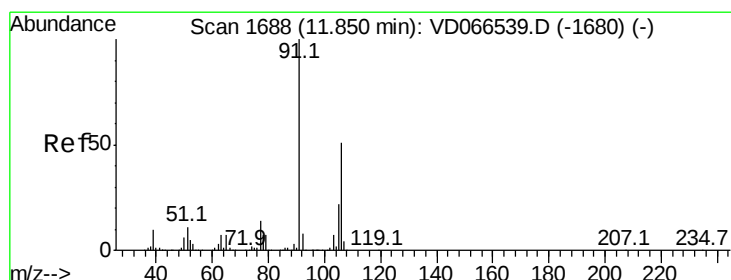
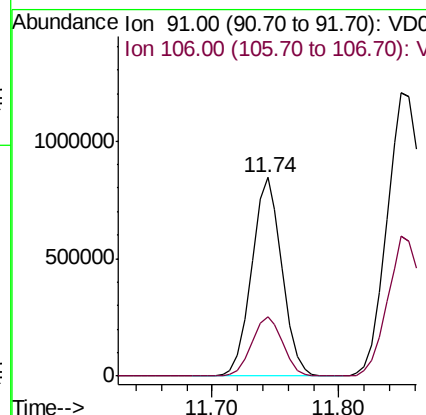
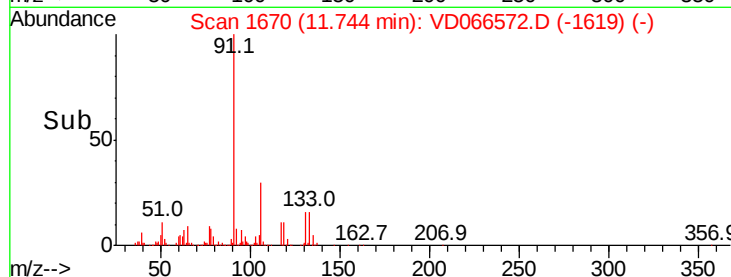
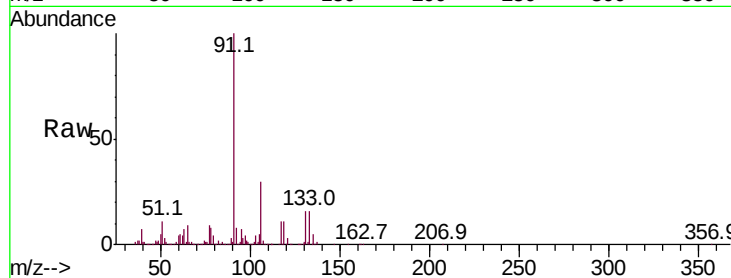
106 29.9 24.3 36.5

Manual Integrations

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sam

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#68

m/p-Xylenes

Concen: 115.427 ug/l

RT: 11.85 min Scan# 1688

Delta R.T. -0.00 min

Lab File: VD066572.D

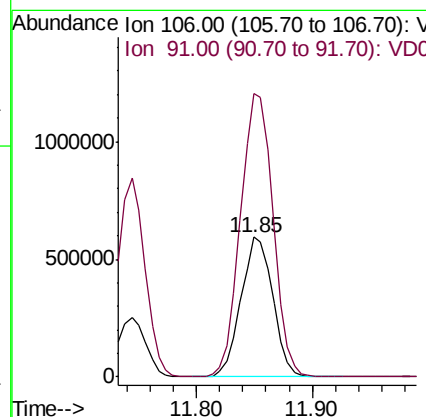
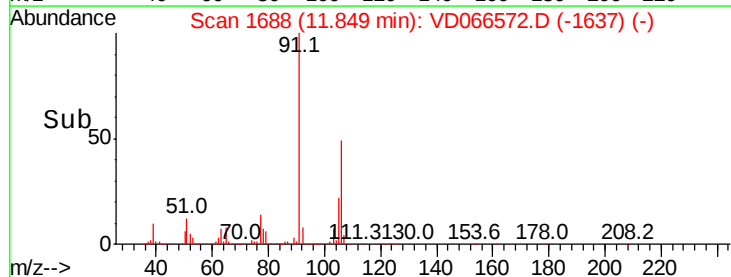
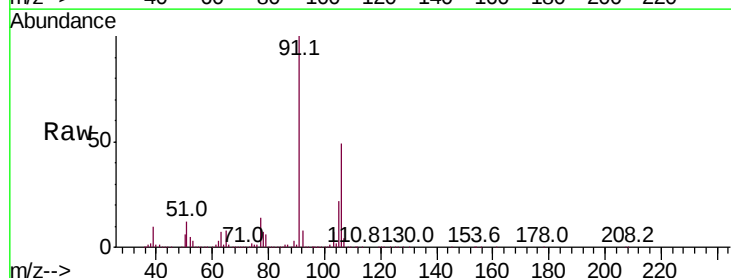
Acq: 04 Sep 2020 19:24

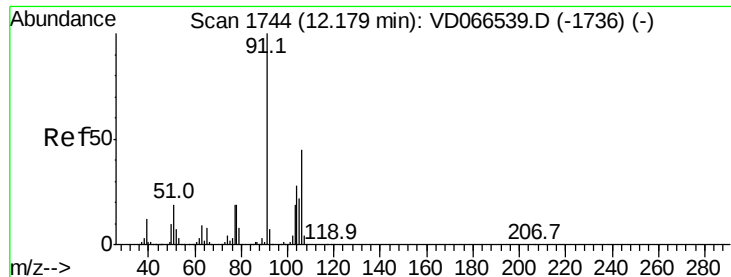
Tgt Ion:106 Resp: 1131174

Ion Ratio Lower Upper

106 100

91 208.5 162.4 243.6





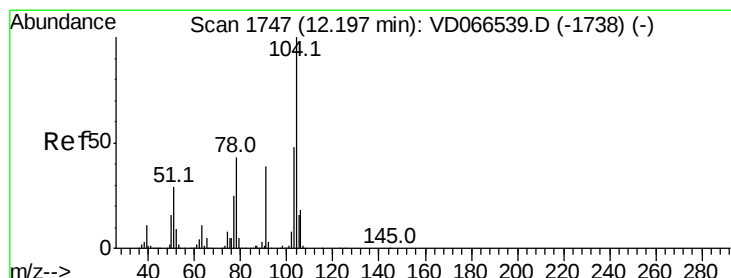
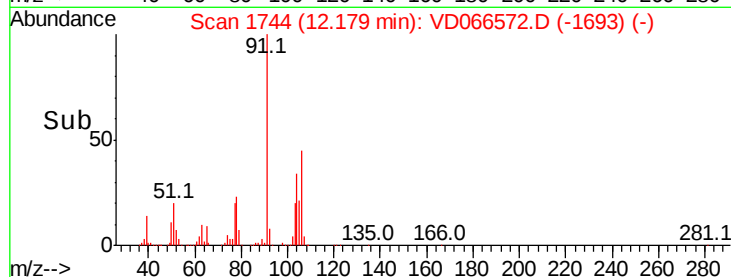
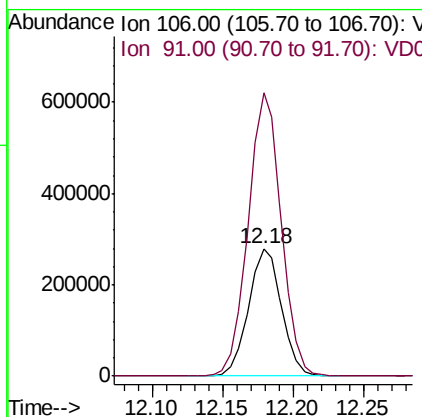
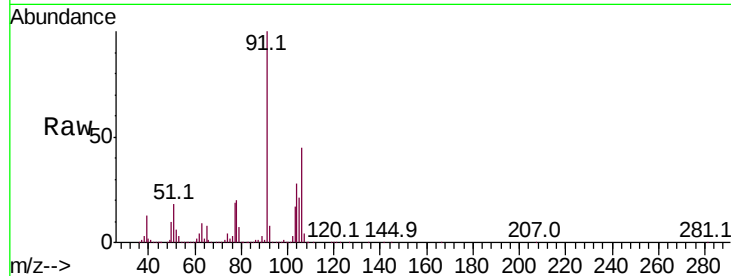
#69
o-Xylene
Concen: 52.228 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD066572.D
Acq: 04 Sep 2020 19:24

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	222.0	107.9	323.8

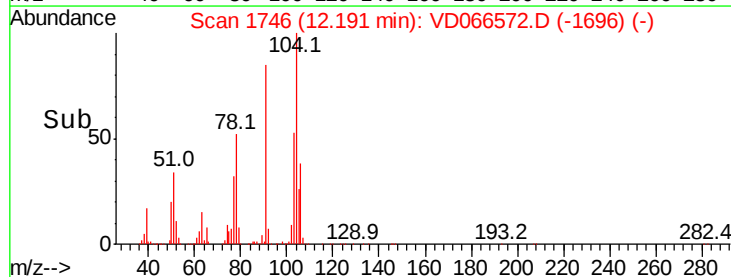
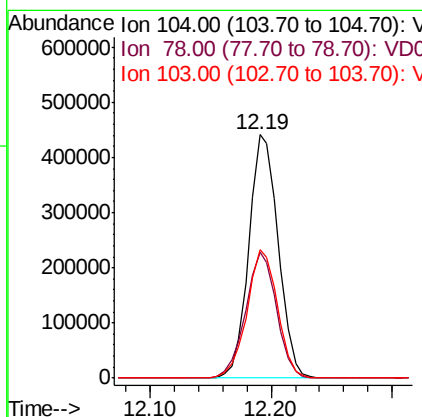
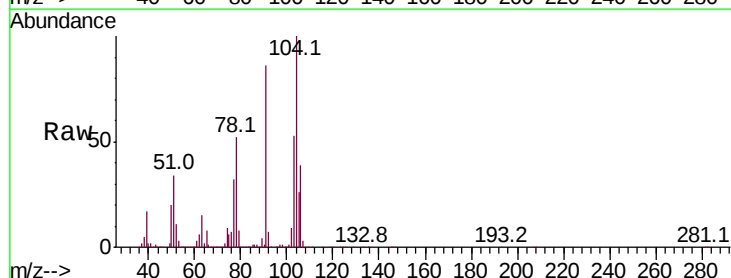
Manual Integrations
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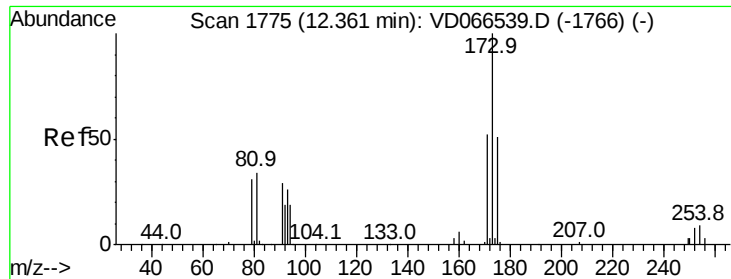
sam
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#70
Styrene
Concen: 49.115 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. -0.01 min
Lab File: VD066572.D
Acq: 04 Sep 2020 19:24

Tgt Ion	Ratio	Lower	Upper
104	100		
78	54.5	40.7	61.1
103	54.8	42.9	64.3





#71

Bromoform

Concen: 45.931 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD066572.D

Acq: 04 Sep 2020 19:24

Instrument :

MSVOA_D

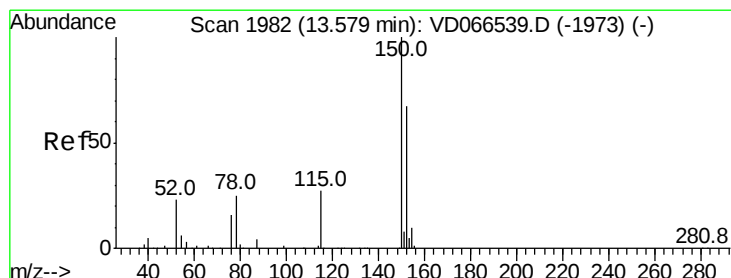
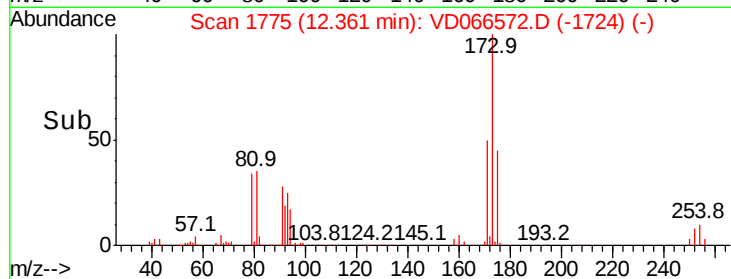
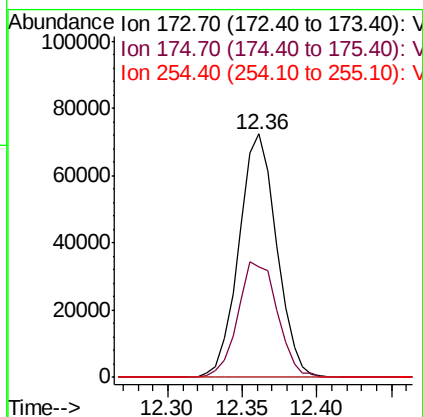
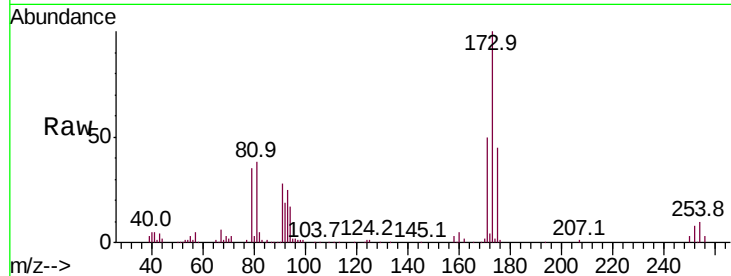
ClientSampleId :

VSTDCCC050EC

Tot Ion:	173	Resp:	126984
Ion Ratio	Lower	Upper	
173	100		
175	49.8	24.2	72.6
254	0.1	0.0	0.0#

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

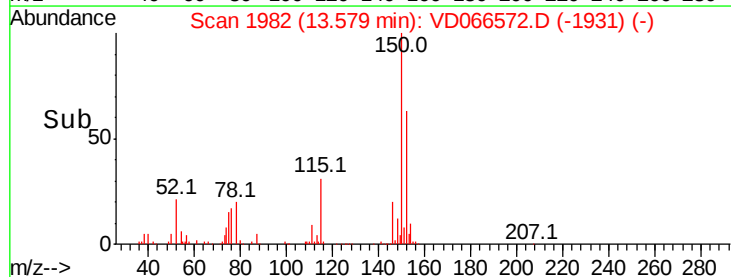
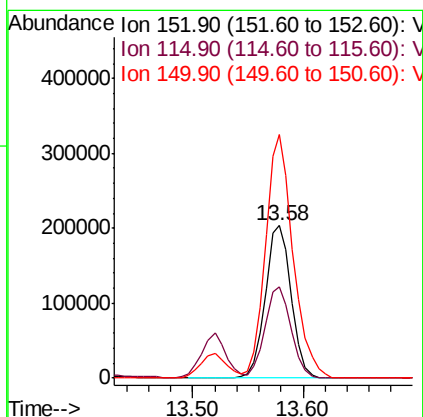
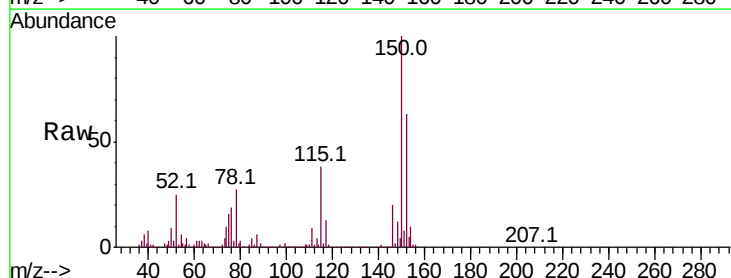
RT: 13.58 min Scan# 1982

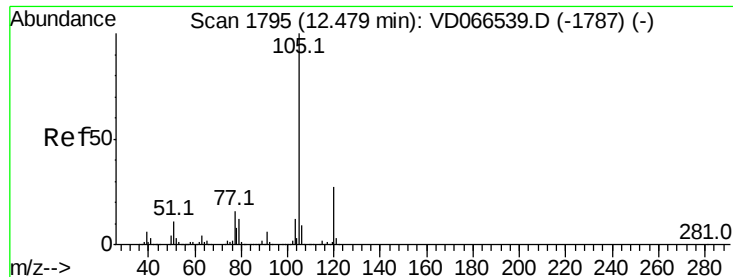
Delta R.T. -0.00 min

Lab File: VD066572.D

Acq: 04 Sep 2020 19:24

Tgt Ion:	152	Resp:	333653
Ion Ratio	Lower	Upper	
152	100		
115	60.0	30.4	91.2
150	169.4	0.0	345.8





#73

Isopropylbenzene

Concen: 48.553 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD066572.D

Acq: 04 Sep 2020 19:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1199425

Ion Ratio Lower Upper

105 100

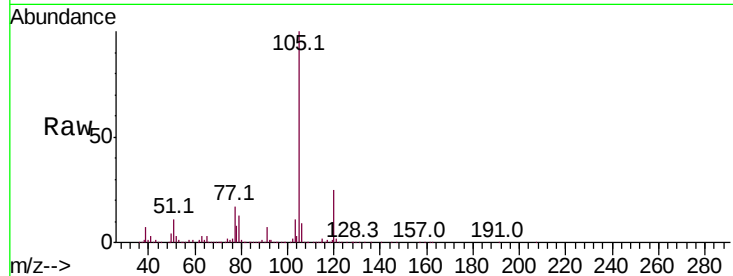
120 25.6 13.0 39.0

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

800000

600000

400000

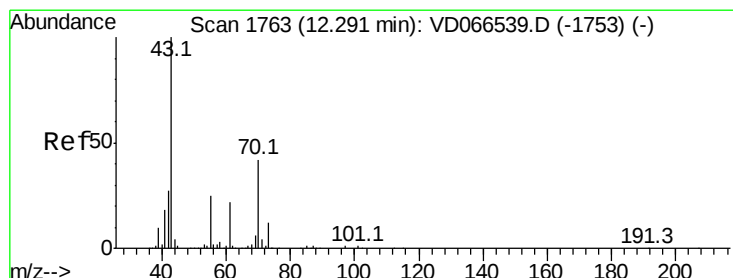
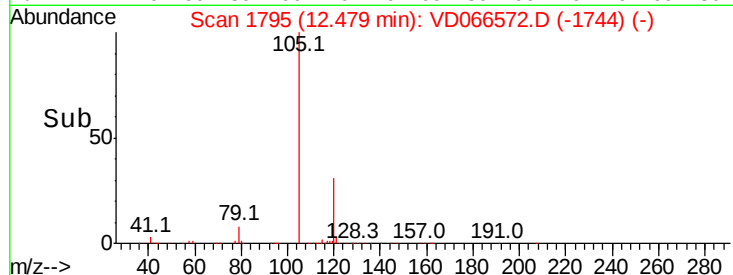
200000

0

12.40

12.50

Time-->



#74

N-ethyl acetate

Concen: 48.582 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD066572.D

Acq: 04 Sep 2020 19:24

Tgt Ion: 43 Resp: 271818

Ion Ratio Lower Upper

43 100

70 40.4 33.4 50.2

55 24.5 20.1 30.1

61 22.2 18.2 27.2

Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

250000

200000

150000

100000

50000

0

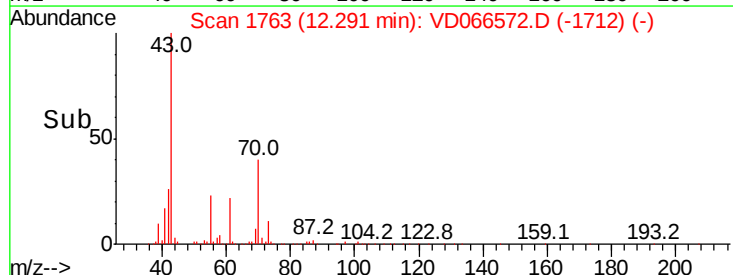
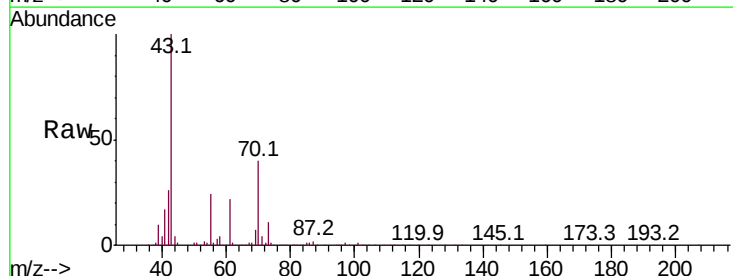
12.20

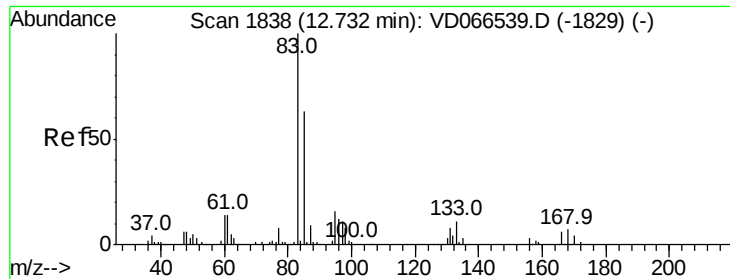
12.25

12.30

12.35

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 44.676 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD066572.D

Acq: 04 Sep 2020 19:24

Instrument :

MSVOA_D

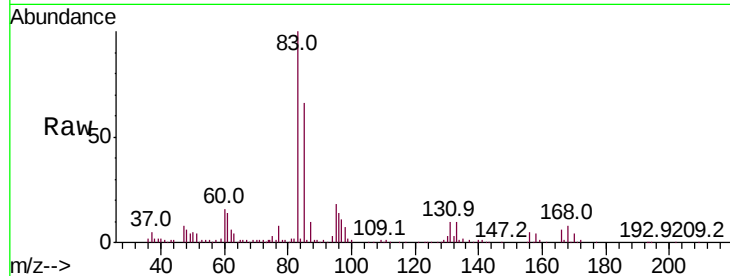
ClientSampleId :

VSTDCCC050EC

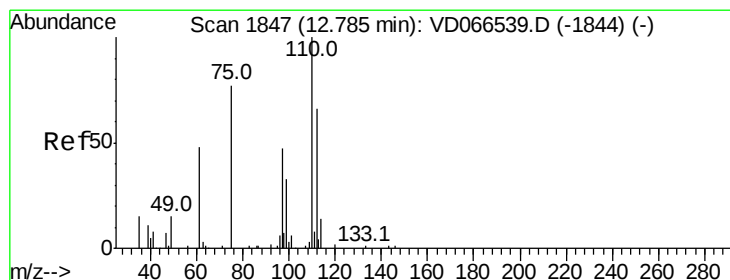
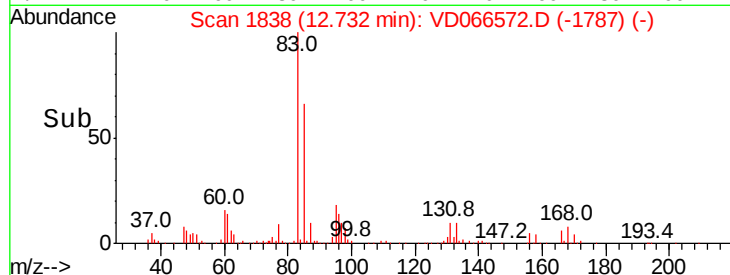
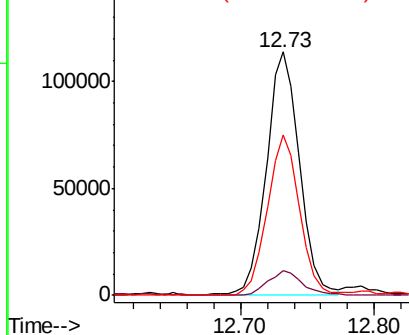
Tot Ion:	83	Resp:	194978
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.0	15.0
85	64.3	32.1	96.3

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 130.80 (130.50 to 131.50): VDC
Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 39.765 ug/l m

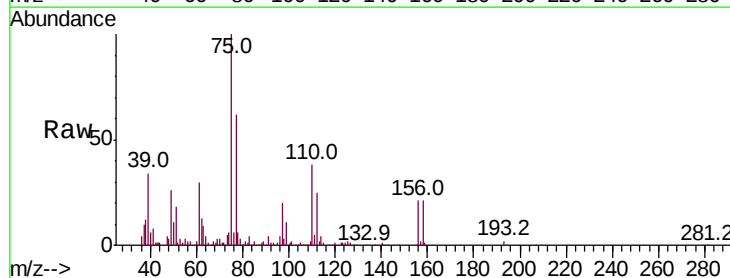
RT: 12.78 min Scan# 1847

Delta R.T. -0.00 min

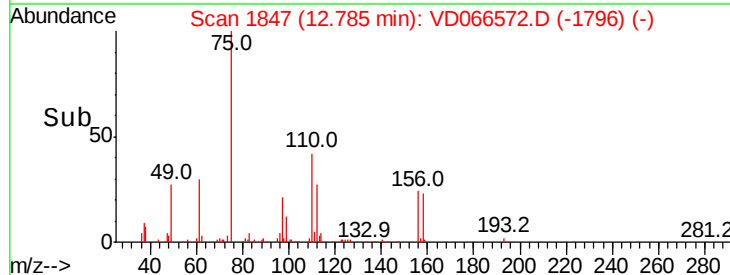
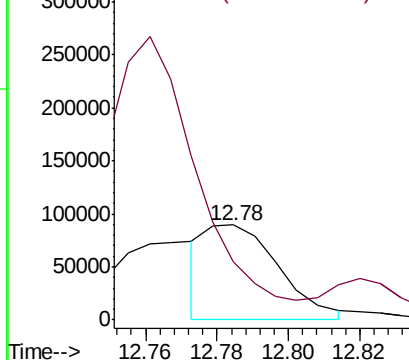
Lab File: VD066572.D

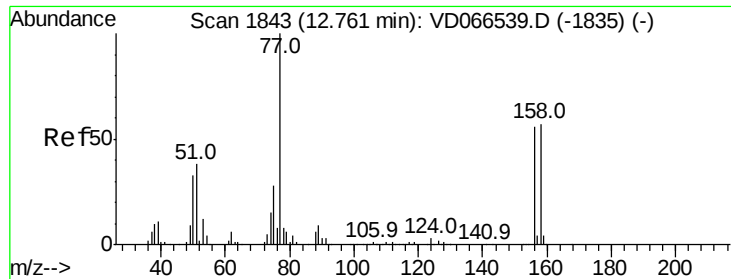
Acq: 04 Sep 2020 19:24

Tgt Ion:	75	Resp:	127599
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 46.708 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD066572.D

Acq: 04 Sep 2020 19:24

Instrument :

MSVOA_D

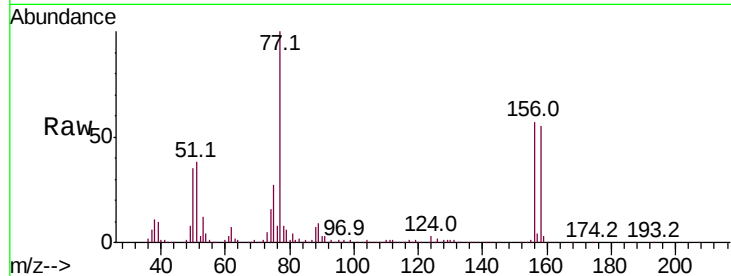
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	257242
Ion Ratio	Lower	Upper	
156	100		
77	194.6	98.0	294.1
158	97.4	48.1	144.3

Manual Integrations
APPROVED

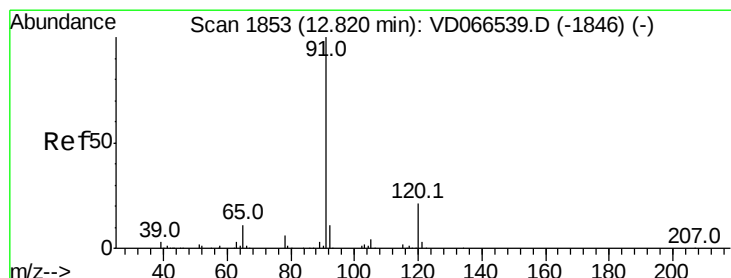
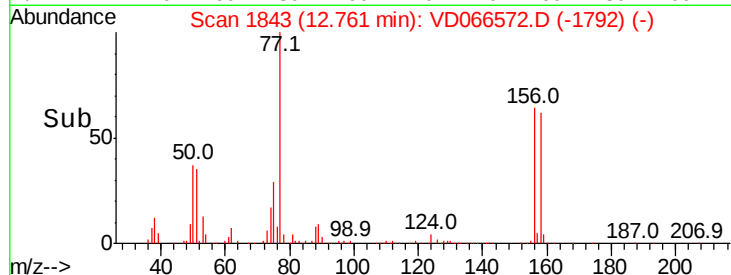
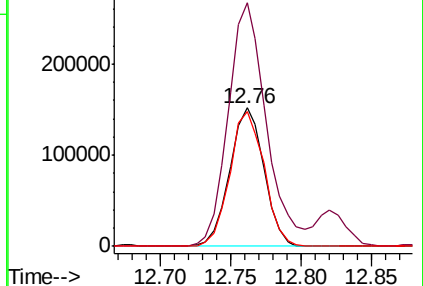
sam
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.069 ug/l

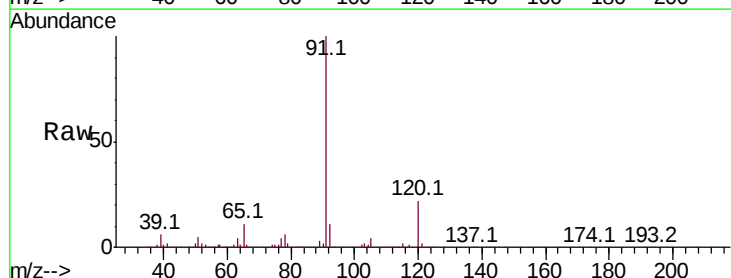
RT: 12.82 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VD066572.D

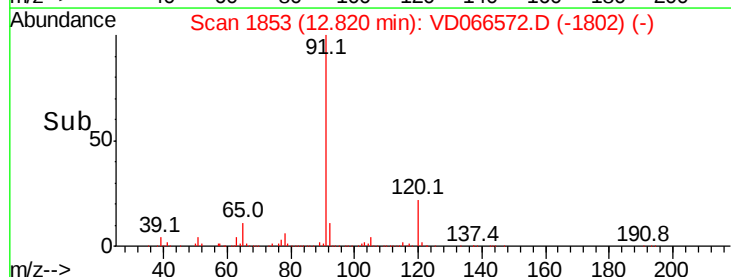
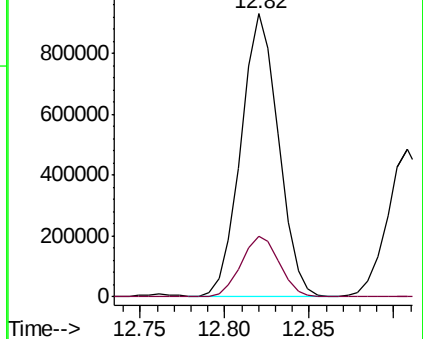
Acq: 04 Sep 2020 19:24

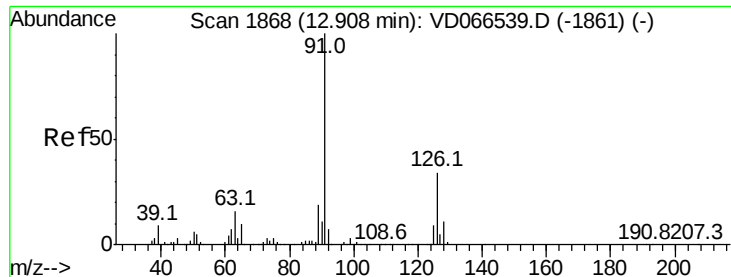
Tgt Ion:	91	Resp:	1439502
Ion Ratio	Lower	Upper	
91	100		
120	22.0	11.1	33.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





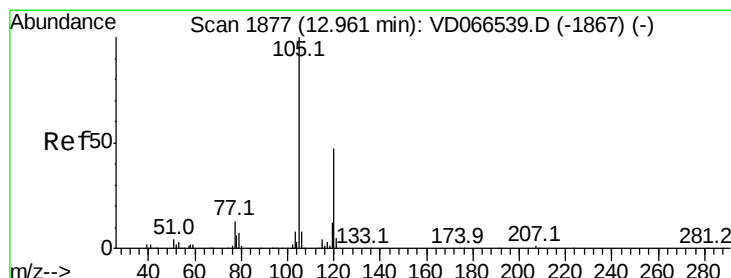
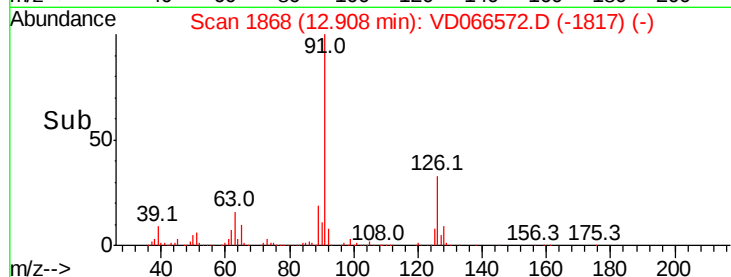
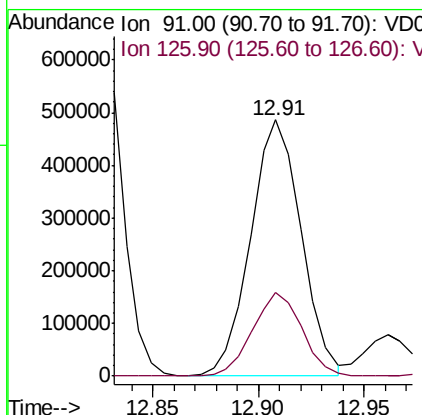
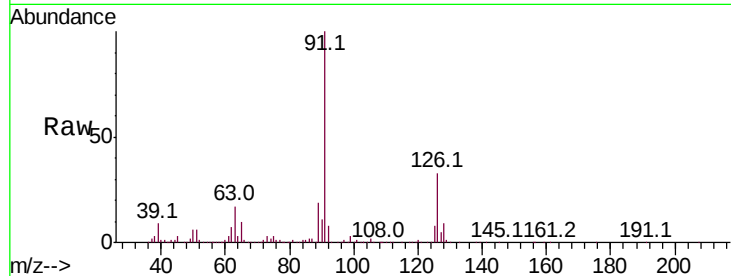
#79
 2-Chlorotoluene
 Concen: 48.034 ug/l
 RT: 12.91 min Scan# 1868
 Delta R.T. -0.00 min
 Lab File: VD066572.D
 Acq: 04 Sep 2020 19:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 806968
 Ion Ratio Lower Upper
 91 100
 126 32.1 16.4 49.4

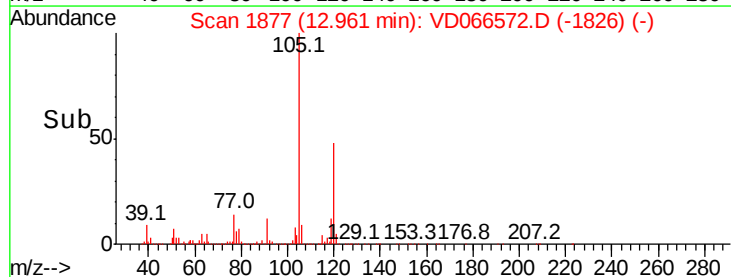
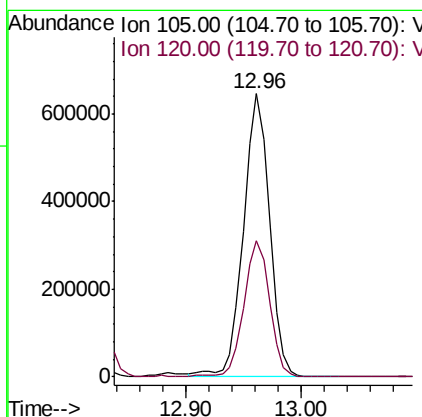
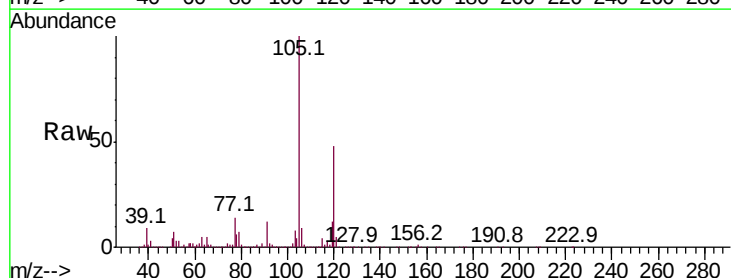
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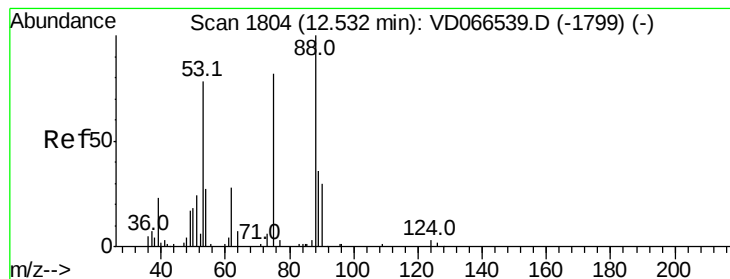
sam
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#80
 1,3,5-Trimethylbenzene
 Concen: 48.748 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VD066572.D
 Acq: 04 Sep 2020 19:24

Tgt Ion: 105 Resp: 1013560
 Ion Ratio Lower Upper
 105 100
 120 47.6 23.9 71.8





#81

trans-1,4-Dichloro-2-butene

Concen: 44.733 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VD066572.D

Acq: 04 Sep 2020 19:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 61483

Ion Ratio Lower Upper

75 100

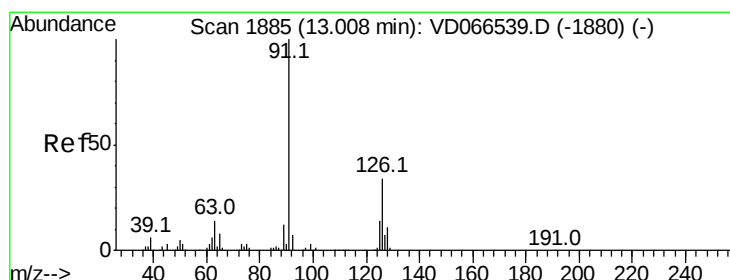
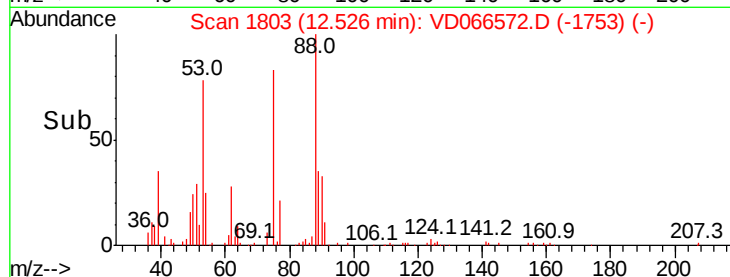
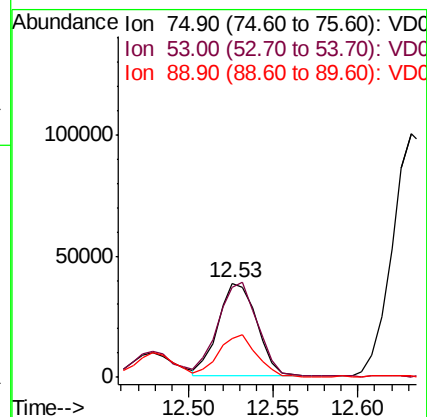
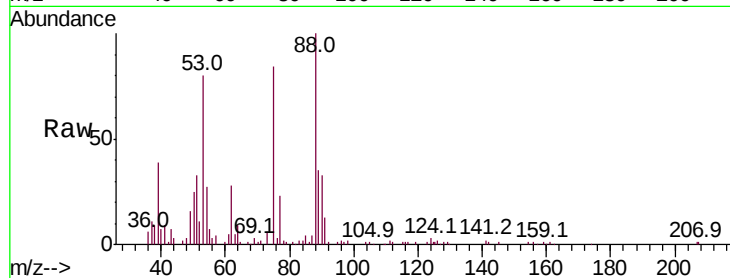
53 106.1 87.0 130.4

89 46.3 37.1 55.7

Manual Integrations
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#82

4-Chlorotoluene

Concen: 46.339 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VD066572.D

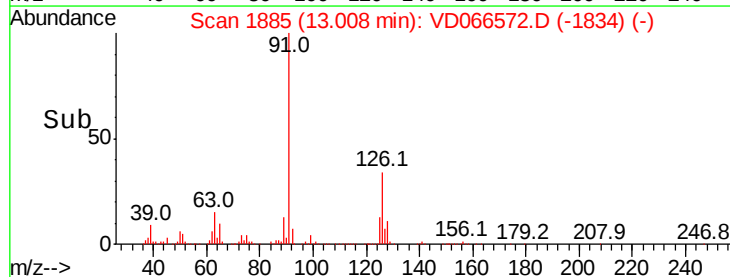
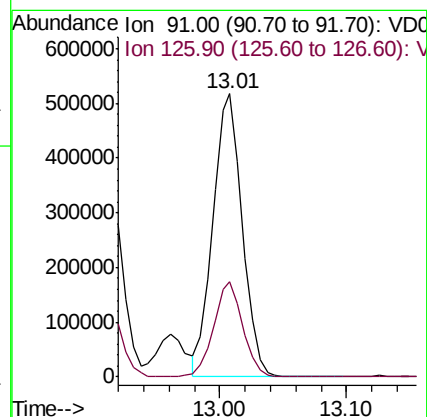
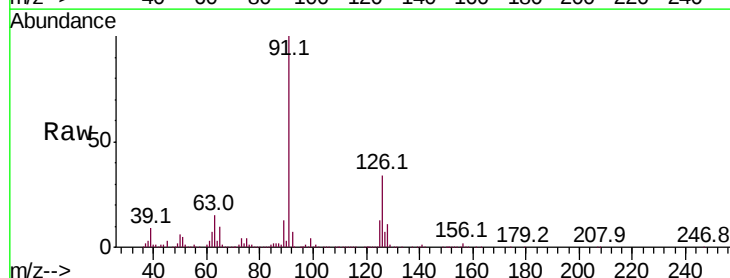
Acq: 04 Sep 2020 19:24

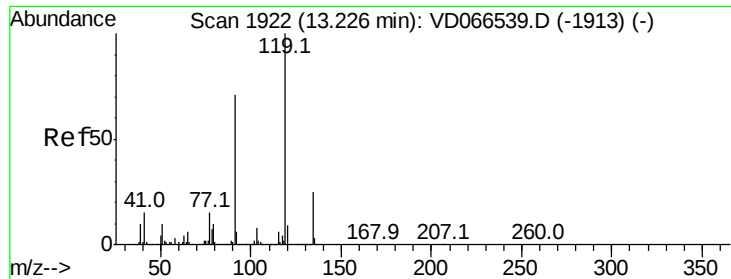
Tgt Ion: 91 Resp: 832499

Ion Ratio Lower Upper

91 100

126 33.2 16.4 49.1





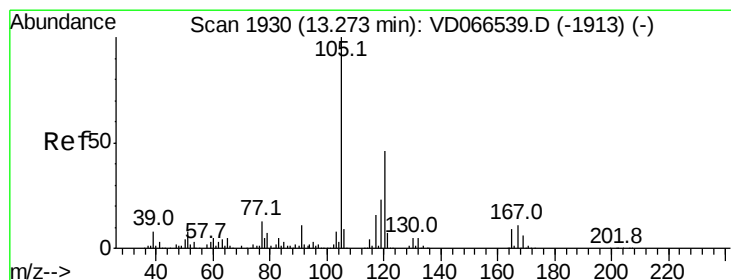
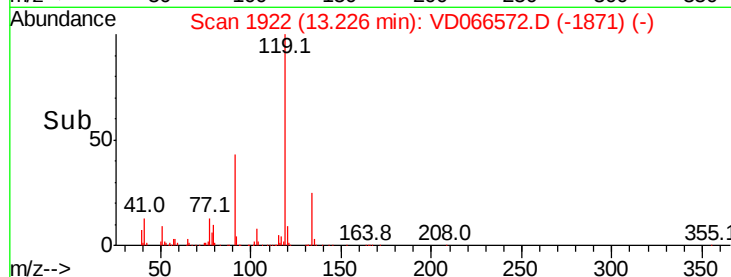
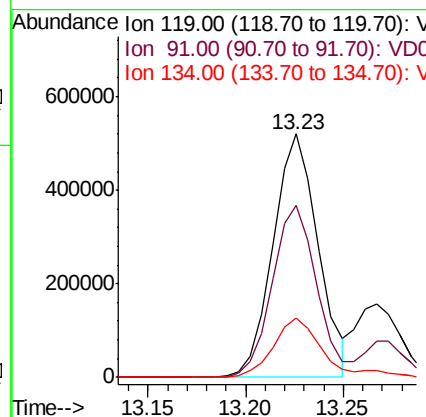
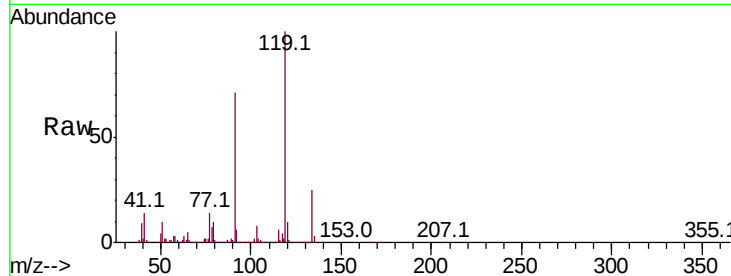
#83
 tert-Butylbenzene
 Concen: 48.901 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VD066572.D
 Acq: 04 Sep 2020 19:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	70.7	35.2	105.6
134	26.6	13.5	40.5

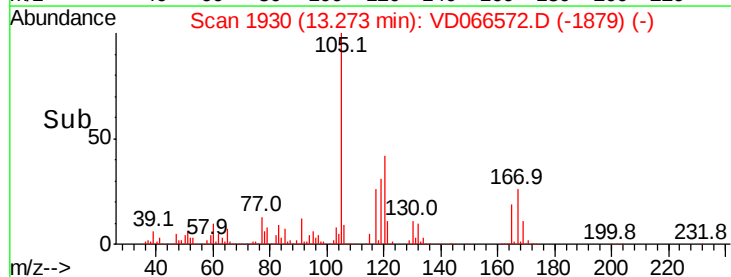
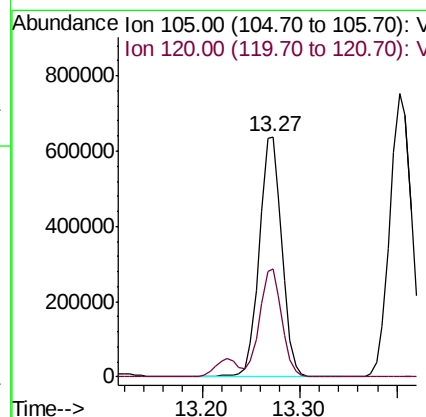
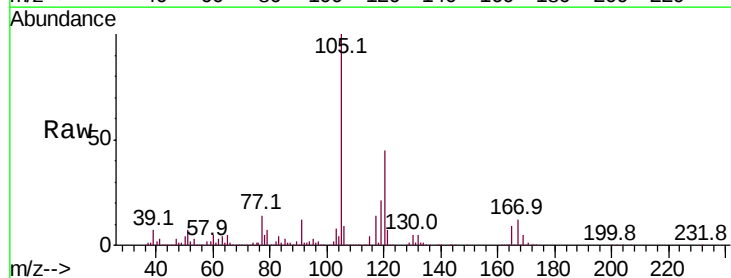
Manual Integrations
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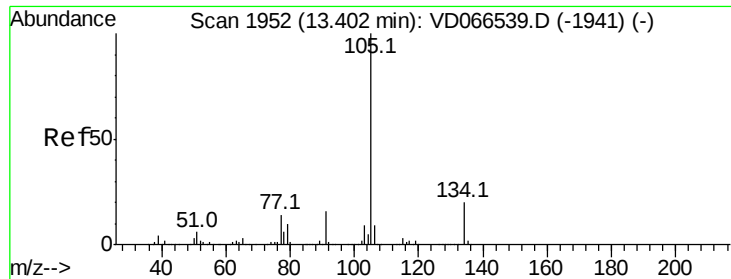
sam
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#84
 1,2,4-Trimethylbenzene
 Concen: 50.250 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: VD066572.D
 Acq: 04 Sep 2020 19:24

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.6	67.7





#85

sec-Butylbenzene

Concen: 48.093 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD066572.D

Acq: 04 Sep 2020 19:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1176464

Ion Ratio Lower Upper

105 100

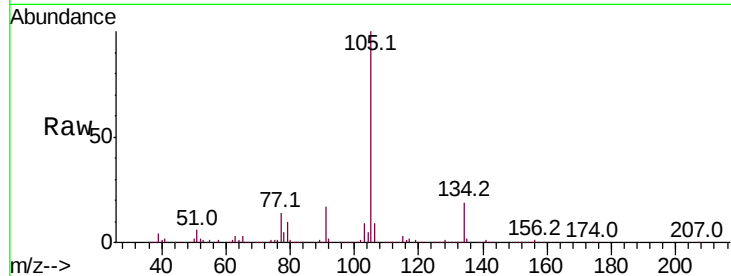
134 19.2 9.8 29.5

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

800000

600000

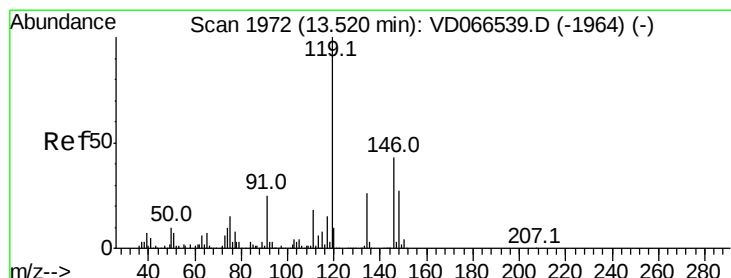
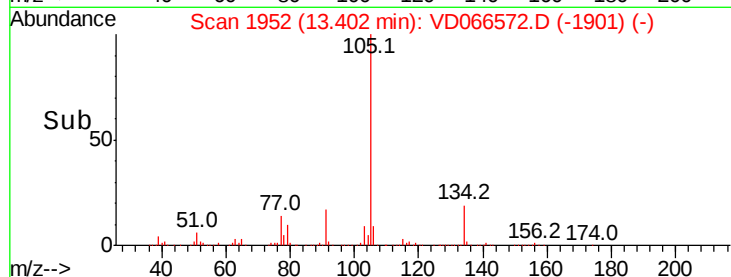
400000

200000

0

13.30 13.40 13.50

Time-->



#86

p-Isopropyltoluene

Concen: 49.409 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD066572.D

Acq: 04 Sep 2020 19:24

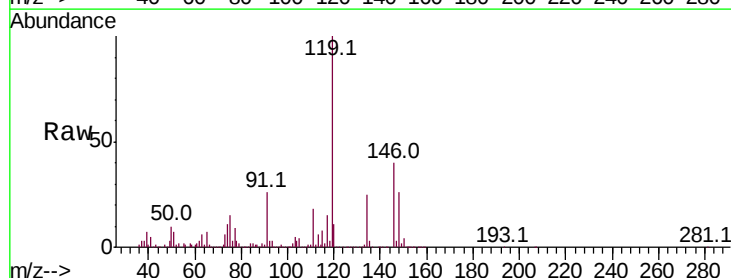
Tgt Ion:119 Resp: 1087872

Ion Ratio Lower Upper

119 100

134 25.2 12.7 38.0

91 25.5 12.5 37.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

1000000

800000

600000

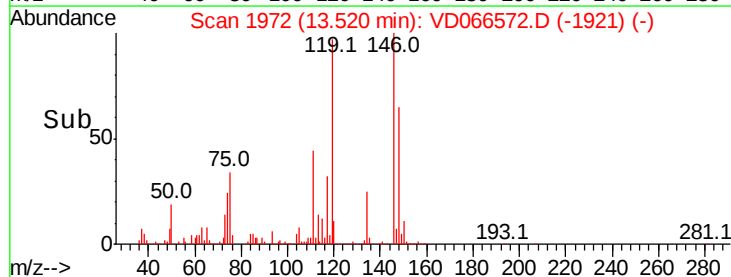
400000

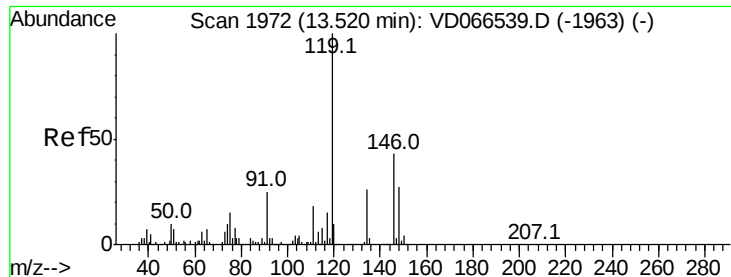
200000

0

13.45 13.50 13.55 13.60

Time-->





#87

1,3-Dichlorobenzene

Concen: 46.093 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD066572.D

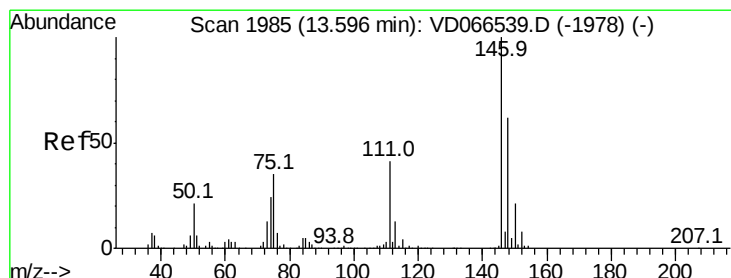
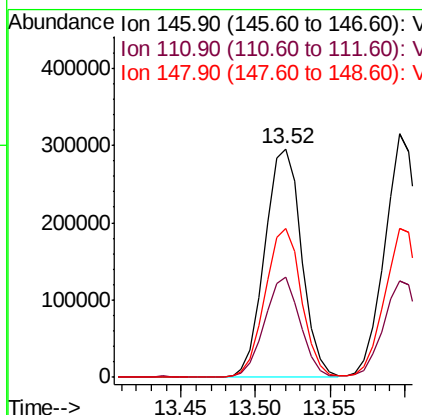
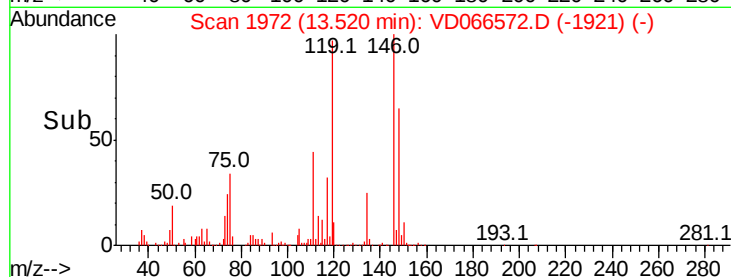
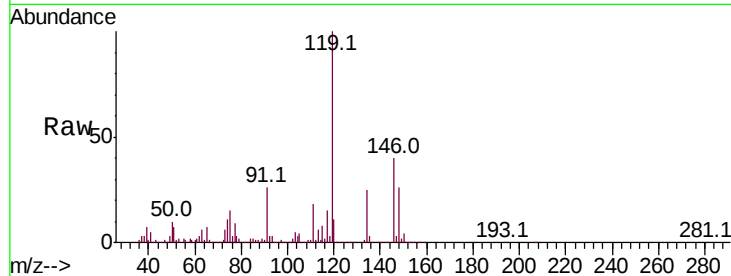
Acq: 04 Sep 2020 19:24

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.7	20.6	61.9
148	64.5	32.1	96.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 45.839 ug/l

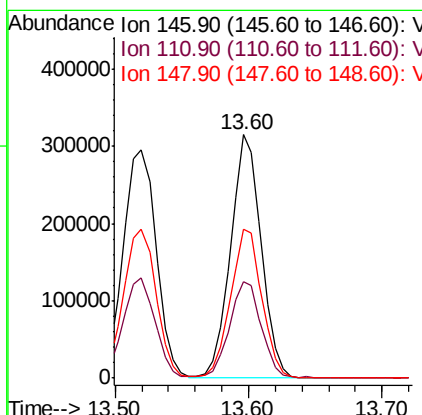
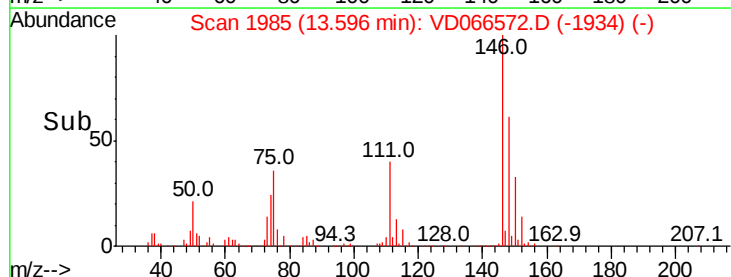
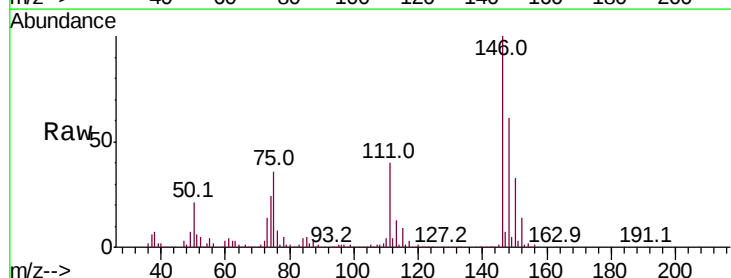
RT: 13.60 min Scan# 1985

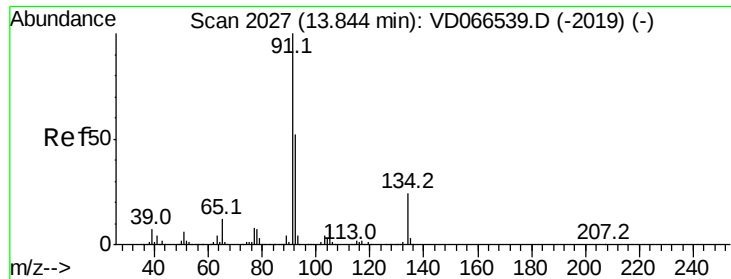
Delta R.T. -0.00 min

Lab File: VD066572.D

Acq: 04 Sep 2020 19:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.1	60.2
148	62.7	31.6	94.8





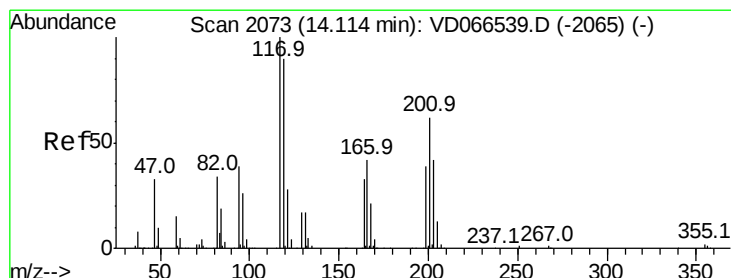
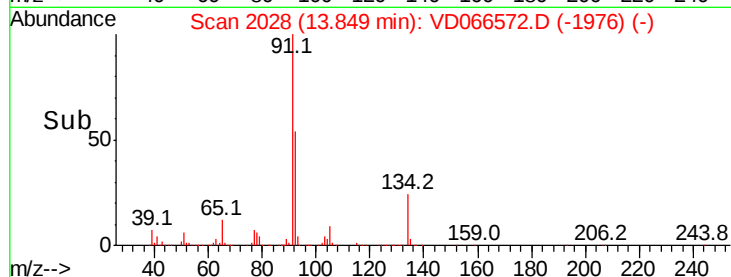
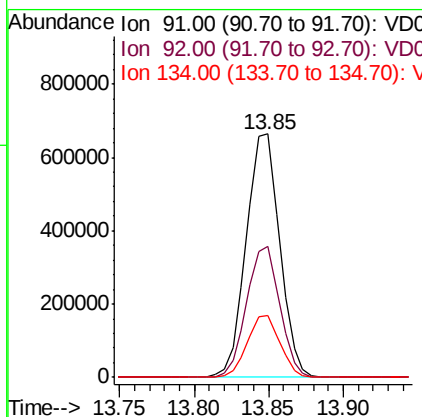
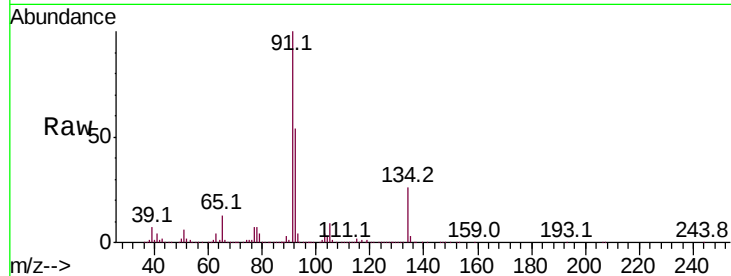
#89
n-Butylbenzene
Concen: 47.812 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VD066572.D
Acq: 04 Sep 2020 19:24

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.5	79.5
134	25.1	12.1	36.3

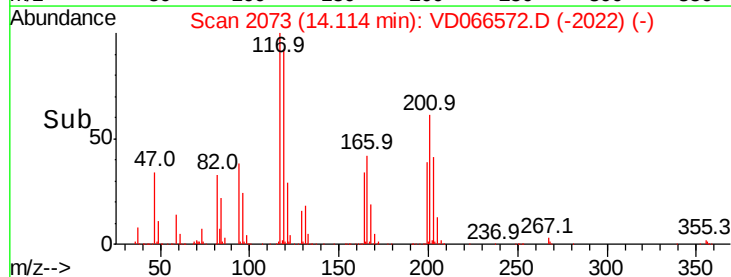
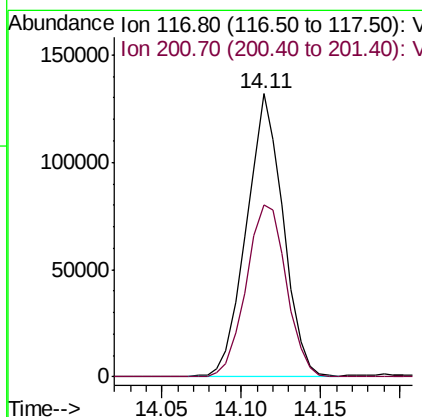
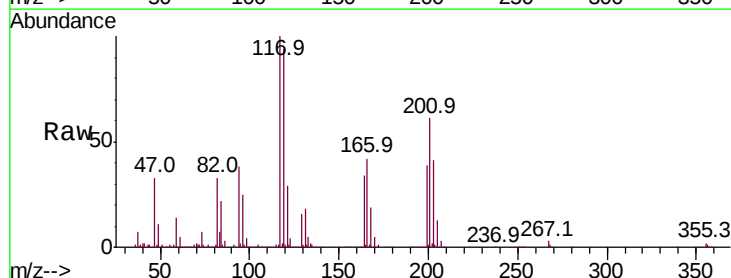
Manual Integrations
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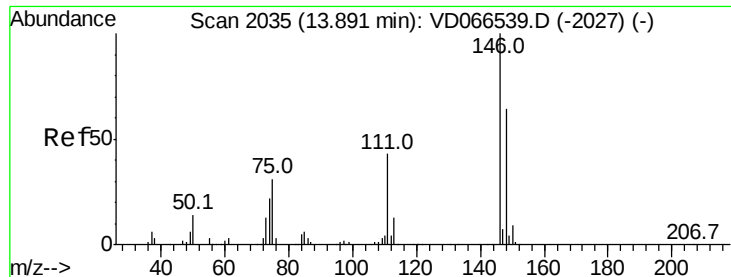
sam
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#90
Hexachloroethane
Concen: 44.803 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD066572.D
Acq: 04 Sep 2020 19:24

Tgt Ion	Ratio	Lower	Upper
117	100		
201	66.2	31.9	95.5





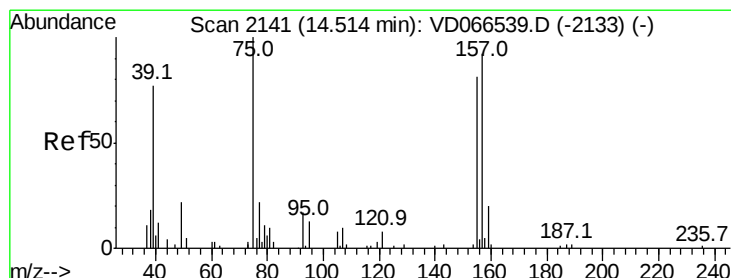
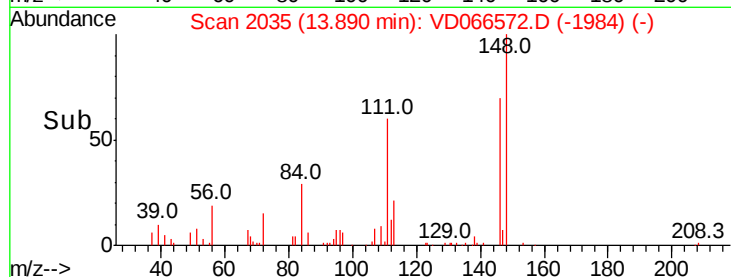
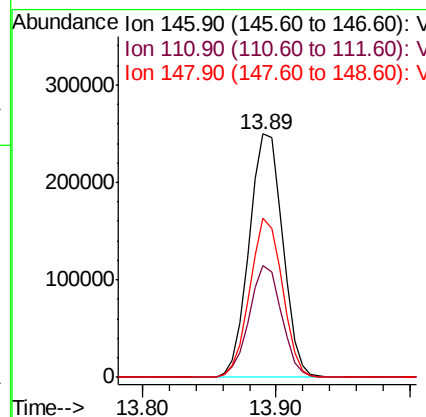
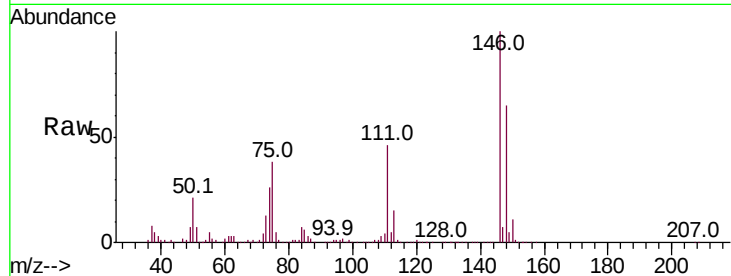
#91
 1,2-Dichlorobenzene
 Concen: 45.254 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD066572.D
 Acq: 04 Sep 2020 19:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	146	Resp:	432479
Ion Ratio	Lower	Upper	
146	100		
111	44.5	21.1	63.4
148	63.5	31.8	95.3

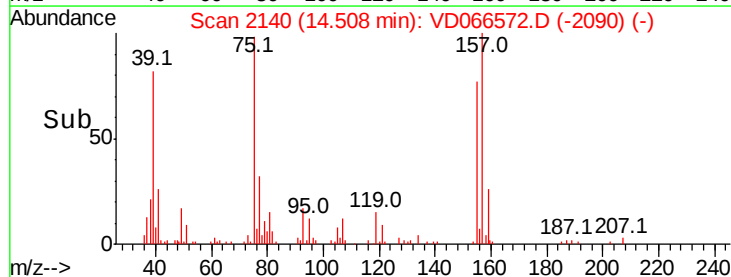
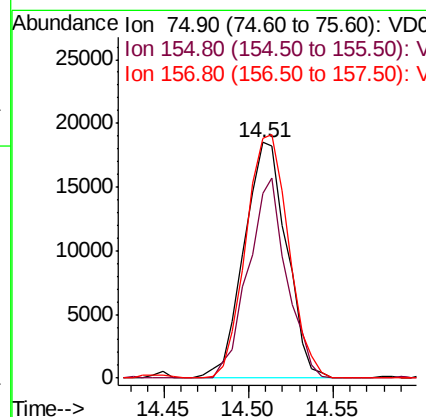
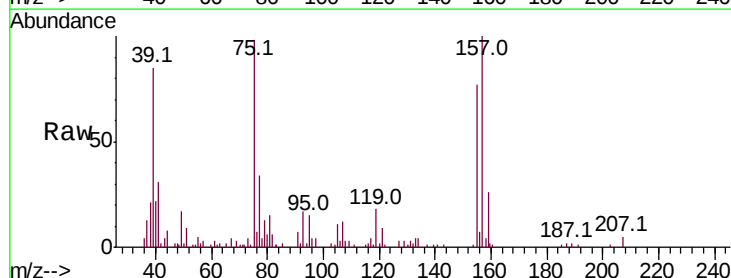
Manual Integrations
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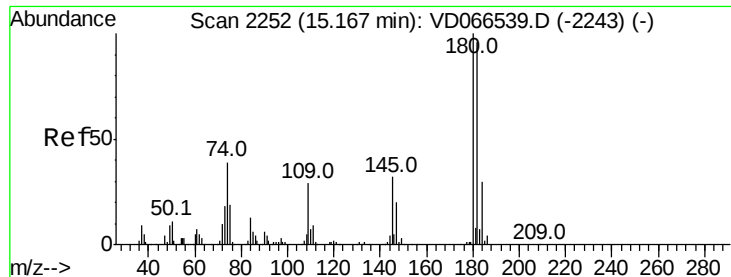
sam
 9/8/2020 5:43:26 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 43.741 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD066572.D
 Acq: 04 Sep 2020 19:24

Tgt Ion:	75	Resp:	32428
Ion Ratio	Lower	Upper	
75	100		
155	76.9	39.3	117.8
157	103.9	46.0	137.8





#93

1,2,4-Trichlorobenzene

Concen: 50.120 ug/l

RT: 15.17 min Scan# 2252

Delta R.T. -0.00 min

Lab File: VD066572.D

Acq: 04 Sep 2020 19:24

Instrument :

MSVOA_D

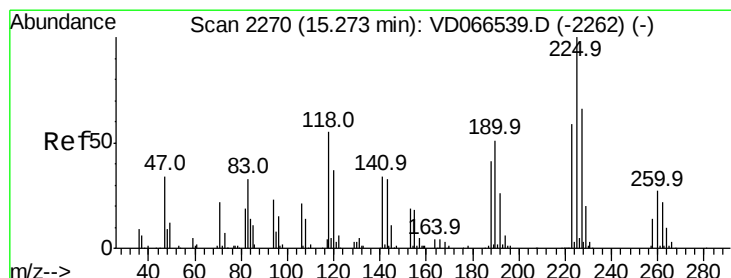
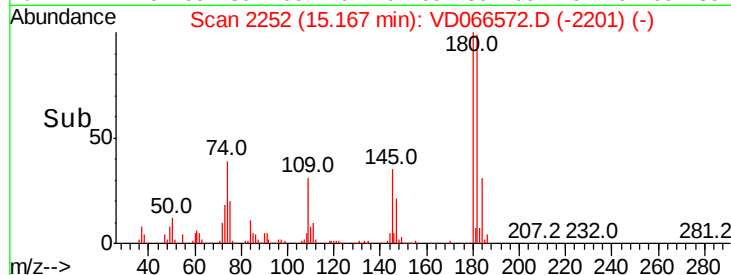
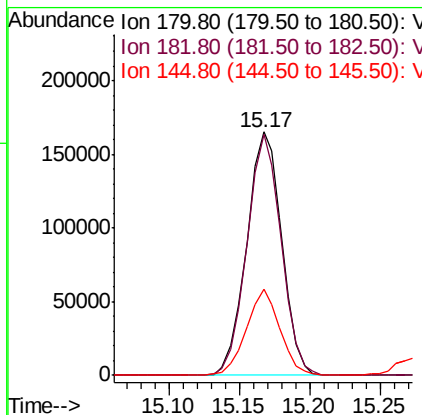
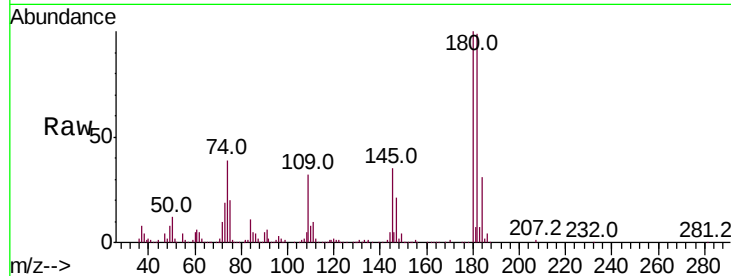
ClientSampleId :

VSTDCCC050EC

Tot Ion:	180	Resp:	287460
Ion Ratio	Lower	Upper	
180	100		
182	96.8	48.4	145.0
145	34.1	16.7	50.0

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#94

Hexachlorobutadiene

Concen: 46.359 ug/l

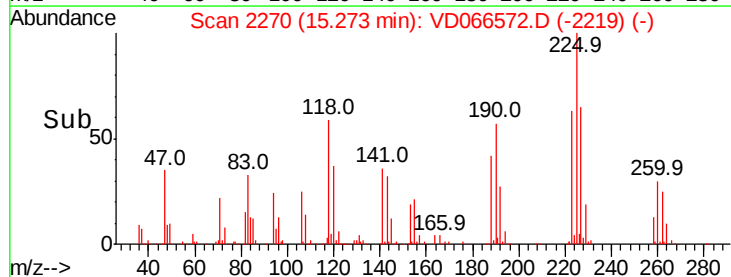
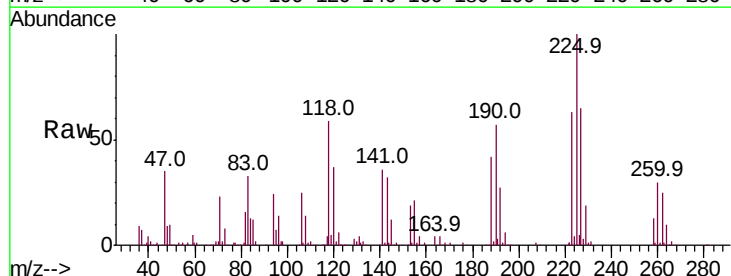
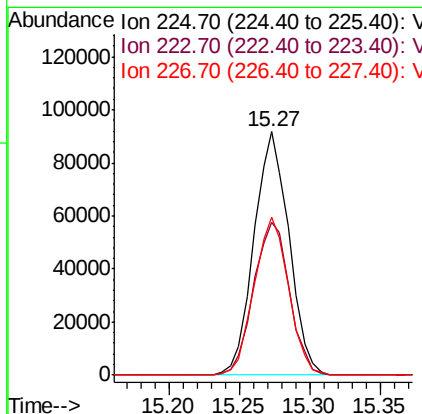
RT: 15.27 min Scan# 2270

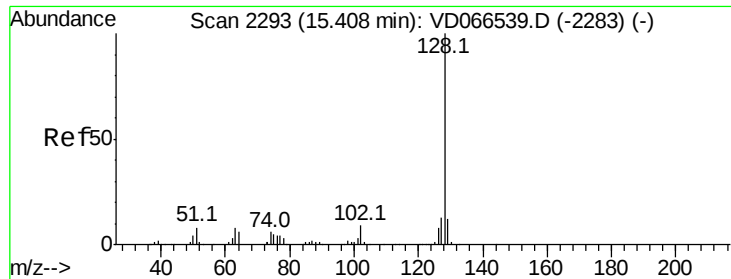
Delta R.T. -0.00 min

Lab File: VD066572.D

Acq: 04 Sep 2020 19:24

Tgt Ion:	225	Resp:	159741
Ion Ratio	Lower	Upper	
225	100		
223	64.3	30.5	91.5
227	63.9	32.4	97.2





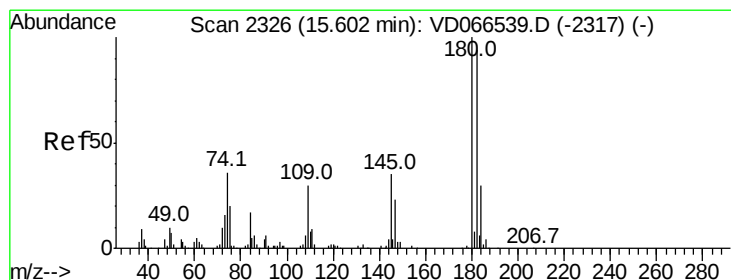
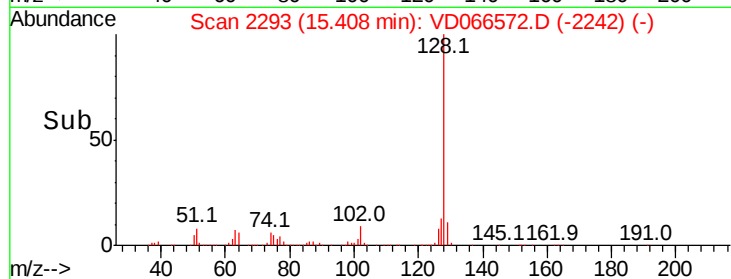
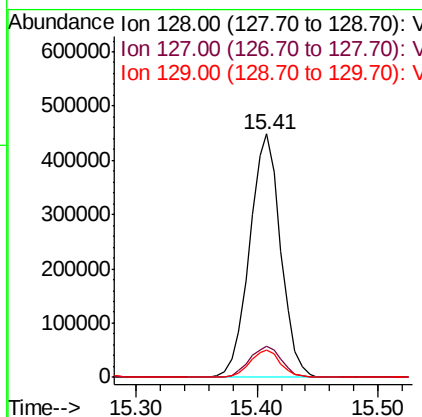
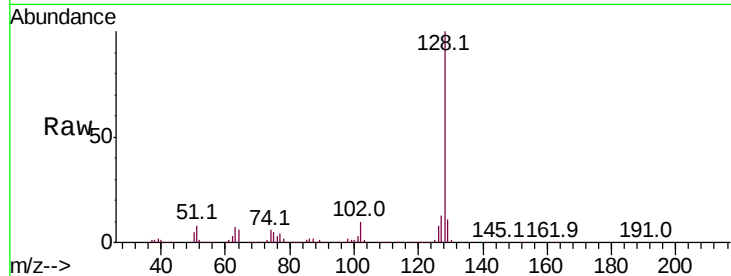
#95
Naphthalene
Concen: 79.802 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD066572.D
Acq: 04 Sep 2020 19:24

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:	128	Resp:	799812
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.7	16.1
129	11.1	9.1	13.7

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 50.055 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VD066572.D
Acq: 04 Sep 2020 19:24

Tgt Ion:	180	Resp:	244760
Ion Ratio	Lower	Upper	
180	100		
182	96.1	47.9	143.6
145	36.8	17.3	51.7

