

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100120\
 Data File : VD066988.D
 Acq On : 01 Oct 2020 12:47
 Operator : VA/SY
 Sample : VSTDICCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

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 10/2/2020 3:13:21 PM

Quant Time: Oct 01 15:11:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:02:24 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	475191	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	727285	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	671897	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	321808	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	237000	51.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.56%	
35) Dibromofluoromethane	7.91	113	252879	53.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.22%	
50) Toluene-d8	10.34	98	951394	54.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.68%	
62) 4-Bromofluorobenzene	12.63	95	315991	53.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	204163	47.318	ug/l	100
3) Chloromethane	2.21	50	178122	47.068	ug/l	100
4) Vinyl Chloride	2.35	62	184867	48.719	ug/l	100
5) Bromomethane	2.77	94	130610	47.224	ug/l	100
6) Chloroethane	2.92	64	114048	49.353	ug/l	100
7) Trichlorofluoromethane	3.27	101	408727	48.482	ug/l	100
8) Diethyl Ether	3.71	74	107983	51.652	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.10	101	231616	48.607	ug/l	100
10) Methyl Iodide	4.30	142	239858	51.805	ug/l	100
11) Tert butyl alcohol	5.22	59	66055	169.537	ug/l	100
12) 1,1-Dichloroethene	4.07	96	220776	49.286	ug/l	100
13) Acrolein	3.93	56	71756	234.133	ug/l	100
14) Allyl chloride	4.71	41	299638	51.491	ug/l	100
15) Acrylonitrile	5.42	53	195870	254.565	ug/l	100
16) Acetone	4.16	43	180656	258.566	ug/l	100
17) Carbon Disulfide	4.41	76	680100	49.472	ug/l	100
18) Methyl Acetate	4.71	43	88752	50.541	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	436576	53.388	ug/l	100
20) Methylene Chloride	4.96	84	262733	41.252	ug/l	100
21) trans-1,2-Dichloroethene	5.47	96	256903	50.394	ug/l	100
22) Diisopropyl ether	6.36	45	561708	52.872	ug/l	100
23) Vinyl Acetate	6.31	43	1659780	275.703	ug/l	100
24) 1,1-Dichloroethane	6.27	63	411336	50.169	ug/l	100
25) 2-Butanone	7.21	43	247513	249.868	ug/l	100
26) 2,2-Dichloropropane	7.21	77	376041	47.802	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	276713	50.824	ug/l	100
28) Bromochloromethane	7.54	49	169566	53.553	ug/l	100
29) Tetrahydrofuran	7.56	42	150409	264.074	ug/l	100
30) Chloroform	7.71	83	438600	49.313	ug/l	100
31) Cyclohexane	7.98	56	332320	48.346	ug/l	100
32) 1,1,1-Trichloroethane	7.90	97	407970	49.494	ug/l	100
36) 1,1-Dichloropropene	8.11	75	344870	50.873	ug/l	100
37) Ethyl Acetate	7.30	43	119575	50.916	ug/l	100
38) Carbon Tetrachloride	8.10	117	375156	51.147	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	388387	54.190	ug/l	100
40) Benzene	8.35	78	960974	51.036	ug/l	100
41) Methacrylonitrile	7.52	41	69879m	55.077	ug/l	
42) 1,2-Dichloroethane	8.43	62	267163	50.777	ug/l	100
43) Isopropyl Acetate	8.45	43	227815	52.657	ug/l	100
44) Trichloroethene	9.11	130	282807	50.298	ug/l	100
45) 1,2-Dichloropropane	9.38	63	231806	52.395	ug/l	100
46) Dibromomethane	9.47	93	134456	52.877	ug/l	100
47) Bromodichloromethane	9.66	83	340558	51.523	ug/l	100
48) Methyl methacrylate	9.46	41	123735	55.825	ug/l	100
49) 1,4-Dioxane	9.46	88	27380	1031.701	ug/l	100
51) 4-Methyl-2-Pentanone	10.23	43	585464	271.682	ug/l	100
52) Toluene	10.40	92	641711	52.906	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	313854	53.128	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	375175	52.009	ug/l	100
55) 1,1,2-Trichloroethane	10.80	97	183428	51.885	ug/l	100
56) Ethyl methacrylate	10.66	69	209468	57.389	ug/l	100
57) 1,3-Dichloropropane	10.94	76	300723	52.456	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	564179	277.716	ug/l	100
59) 2-Hexanone	10.98	43	398309	276.928	ug/l	100
60) Dibromochloromethane	11.14	129	248099	52.654	ug/l	100
61) 1,2-Dibromoethane	11.24	107	180716	53.208	ug/l	100
64) Tetrachloroethene	10.87	164	241533	49.447	ug/l	100
65) Chlorobenzene	11.67	112	673465	50.397	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	255796	50.322	ug/l	100
67) Ethyl Benzene	11.74	91	1203885	52.580	ug/l	100
68) m/p-Xylenes	11.86	106	933759	104.645	ug/l	100
69) o-Xylene	12.18	106	429577	53.835	ug/l	100
70) Styrene	12.20	104	738604	53.905	ug/l	100
71) Bromoform	12.36	173	134648	51.030	ug/l	100
73) Isopropylbenzene	12.48	105	1175978	53.817	ug/l	100
74) N-amyl acetate	12.29	43	208660	53.120	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.73	83	188009	51.067	ug/l	100
76) 1,2,3-Trichloropropane	12.78	75	147572m	53.800	ug/l	
77) Bromobenzene	12.76	156	268453	50.879	ug/l	100
78) n-propylbenzene	12.82	91	1387521	53.729	ug/l	100
79) 2-Chlorotoluene	12.91	91	771975	52.248	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	999620	54.146	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	58519	52.049	ug/l	100
82) 4-Chlorotoluene	13.01	91	811658	51.632	ug/l	100
83) tert-Butylbenzene	13.23	119	821054	52.813	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	980017	53.192	ug/l	100
85) sec-Butylbenzene	13.41	105	1172177	53.540	ug/l	100
86) p-Isopropyltoluene	13.52	119	1083669	53.389	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	519698	50.568	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	514599	50.077	ug/l	100
89) n-Butylbenzene	13.85	91	993401	53.552	ug/l	100
90) Hexachloroethane	14.11	117	183236	51.536	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	455685	50.770	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	30580	51.527	ug/l	100

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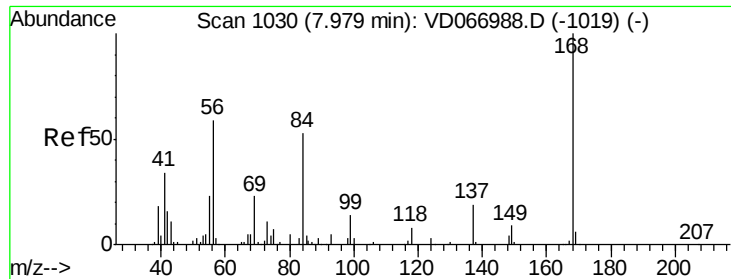
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	310023	53.400	ug/l	100
94) Hexachlorobutadiene	15.27	225	182430	51.166	ug/l	100
95) Naphthalene	15.41	128	542146	55.986	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	272927	54.154	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066988.D

Acq: 01 Oct 2020 12:47

Instrument :

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ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 475191

Ion Ratio Lower Upper

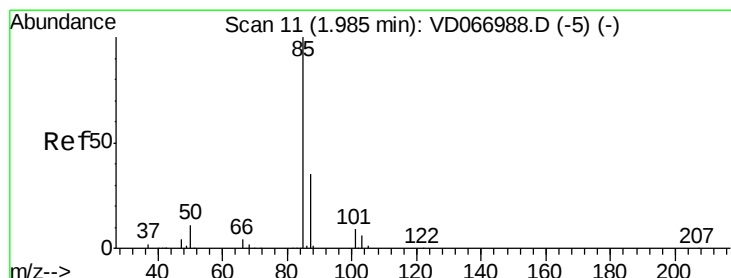
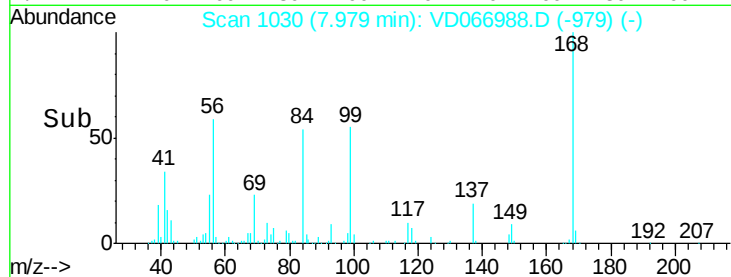
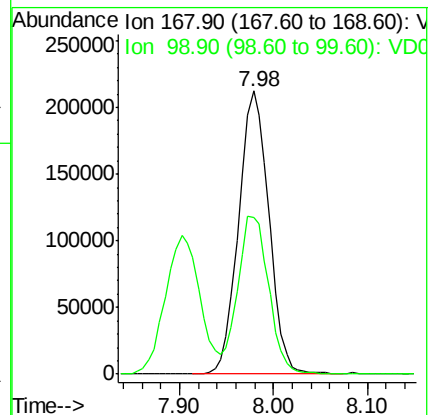
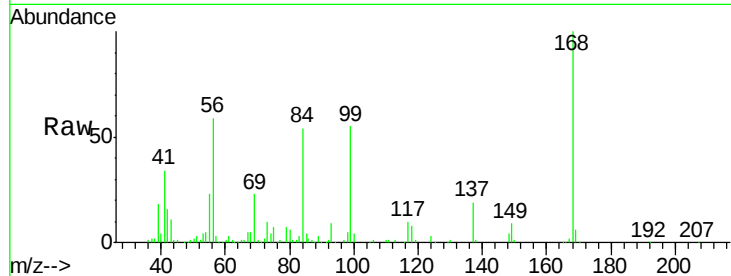
168 100

99 55.1 44.1 66.1

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 47.318 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066988.D

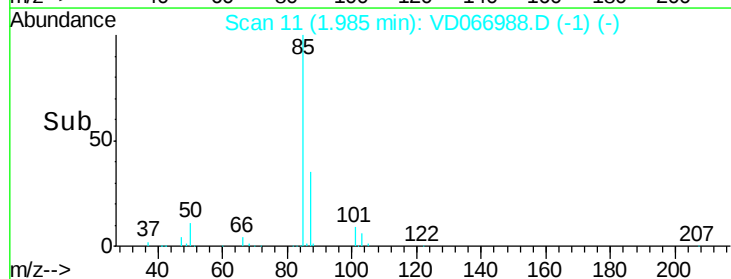
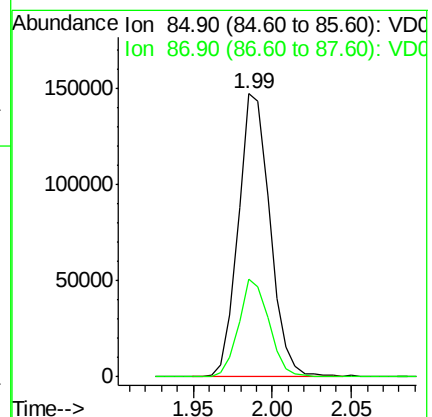
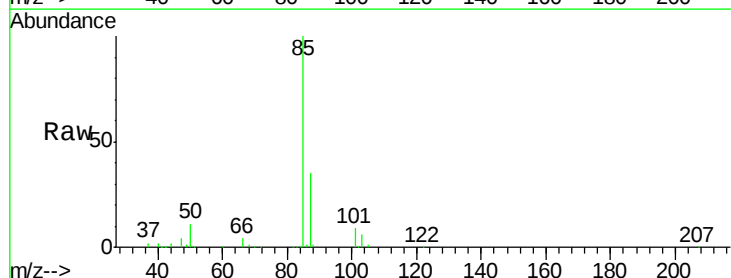
Acq: 01 Oct 2020 12:47

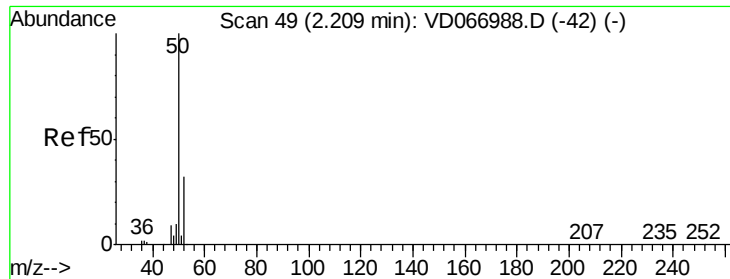
Tgt Ion: 85 Resp: 204163

Ion Ratio Lower Upper

85 100

87 34.7 17.3 52.0





#3

Chloromethane

Concen: 47.068 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD066988.D

Acq: 01 Oct 2020 12:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 178122

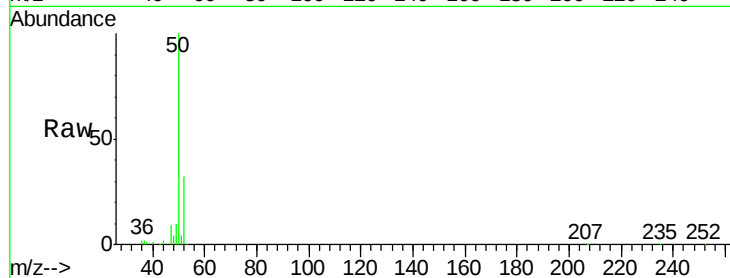
Ion Ratio Lower Upper

50 100

52 31.6 25.3 37.9

Manual Integrations
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

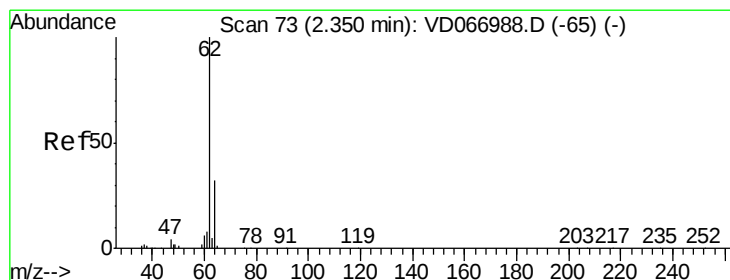
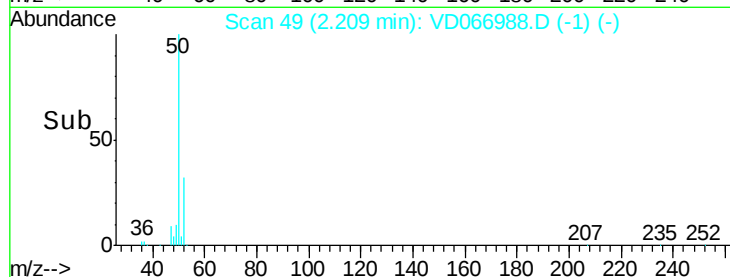
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 48.719 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD066988.D

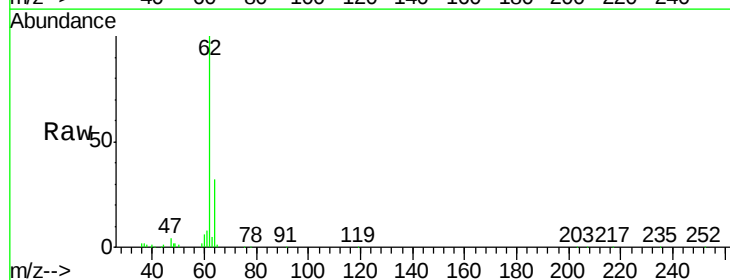
Acq: 01 Oct 2020 12:47

Tgt Ion: 62 Resp: 184867

Ion Ratio Lower Upper

62 100

64 32.3 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

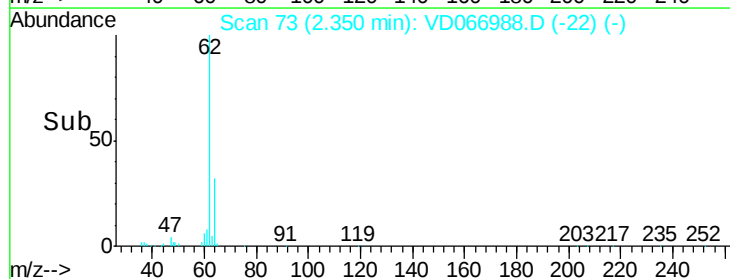
2.35

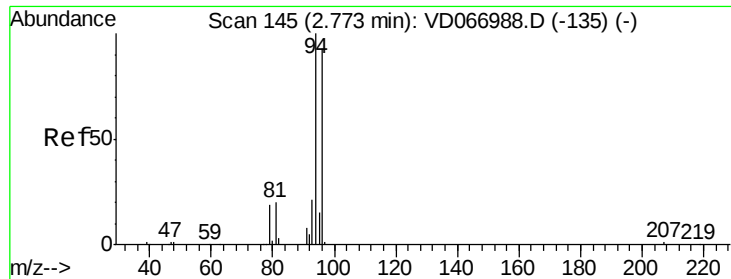
100000

50000

0

Time-->





#5

Bromomethane

Concen: 47.224 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD066988.D

Acq: 01 Oct 2020 12:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 130610

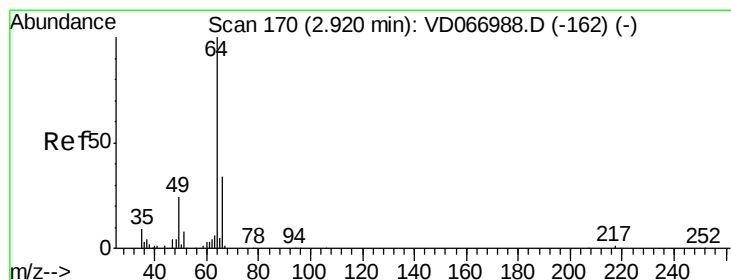
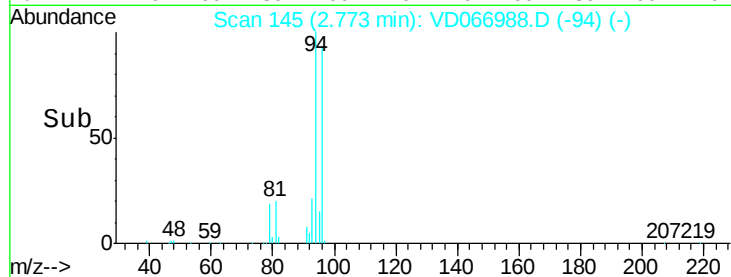
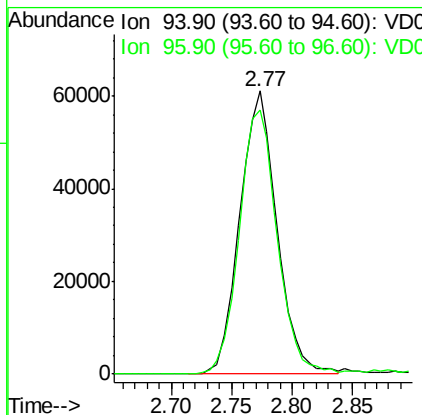
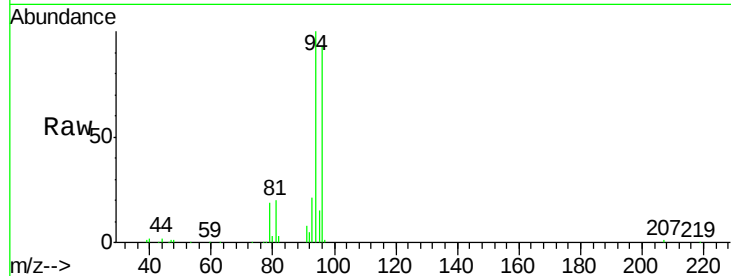
Ion Ratio Lower Upper

94 100

96 93.3 74.6 112.0

Manual Integrations
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#6

Chloroethane

Concen: 49.353 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD066988.D

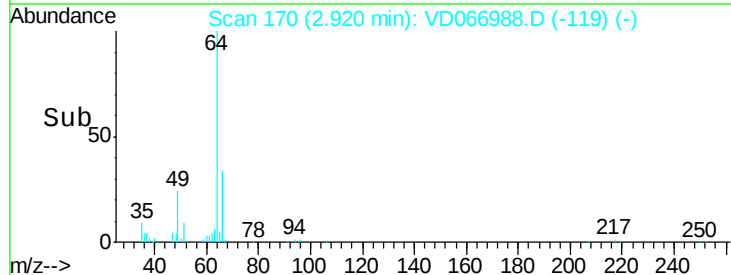
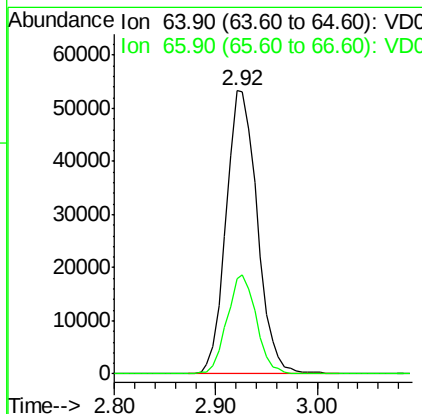
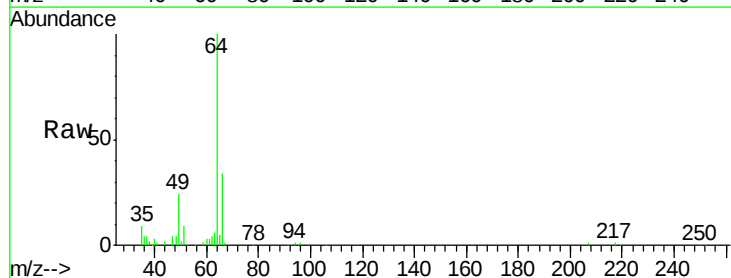
Acq: 01 Oct 2020 12:47

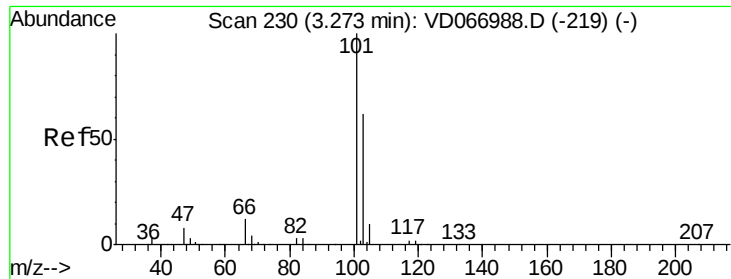
Tgt Ion: 64 Resp: 114048

Ion Ratio Lower Upper

64 100

66 33.8 27.0 40.6





#7

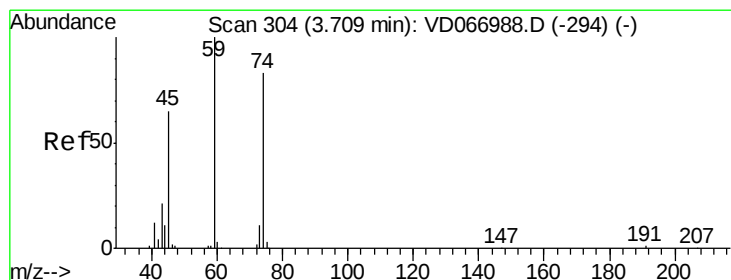
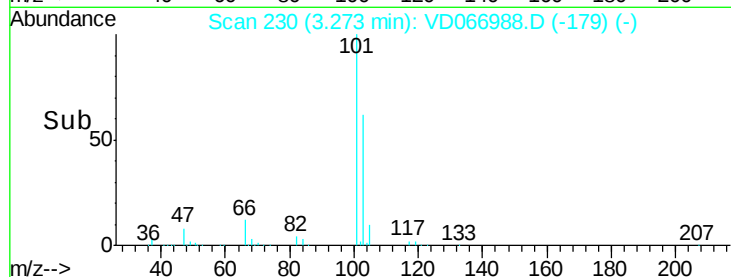
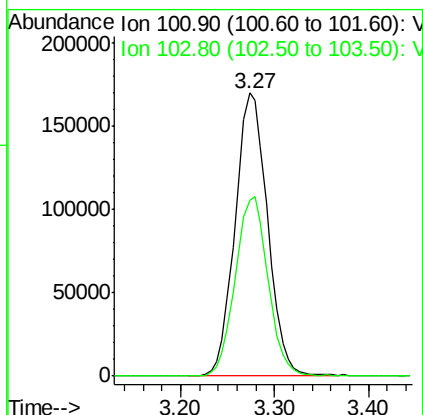
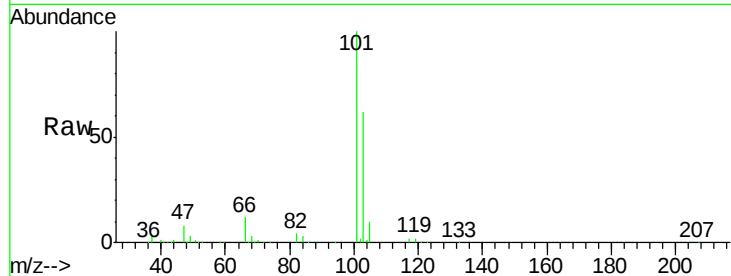
Trichlorofluoromethane
Concen: 48.482 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD066988.D
Acq: 01 Oct 2020 12:47

Instrument :
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ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.3	49.8	74.8

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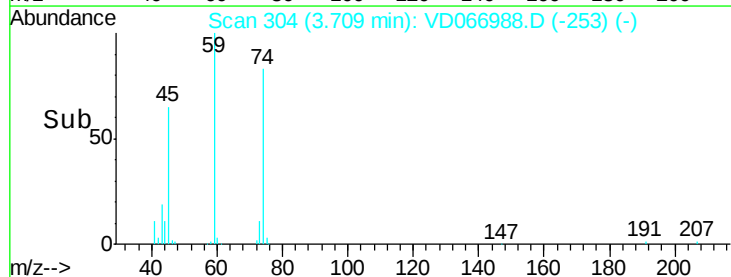
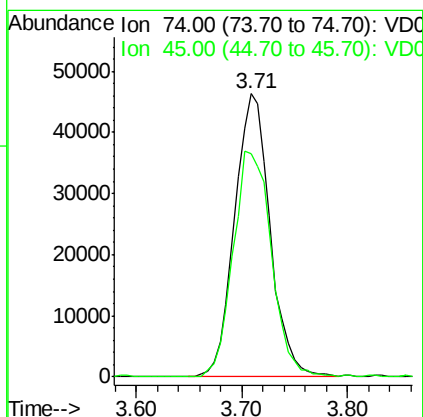
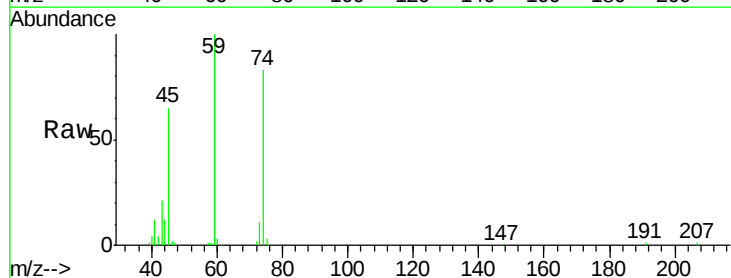
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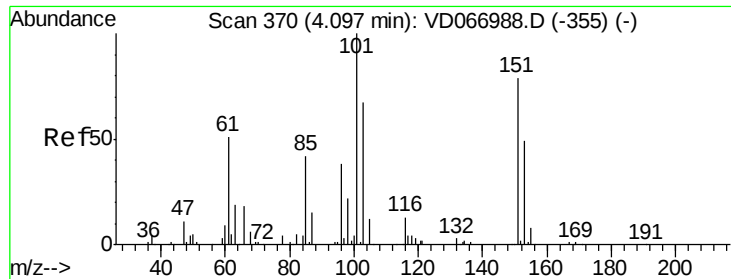


#8

Diethyl Ether
Concen: 51.652 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD066988.D
Acq: 01 Oct 2020 12:47

Tgt Ion	Ratio	Lower	Upper
74	100		
45	86.2	43.1	129.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.607 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD066988.D

Acq: 01 Oct 2020 12:47

Instrument :

MSVOA_D

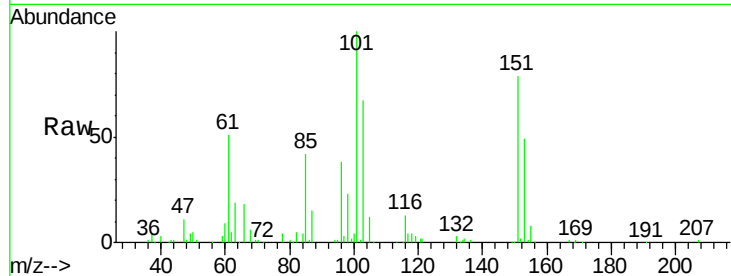
ClientSampleId :

VSTDICCC050

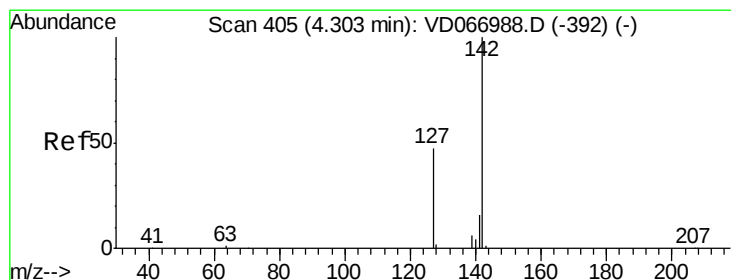
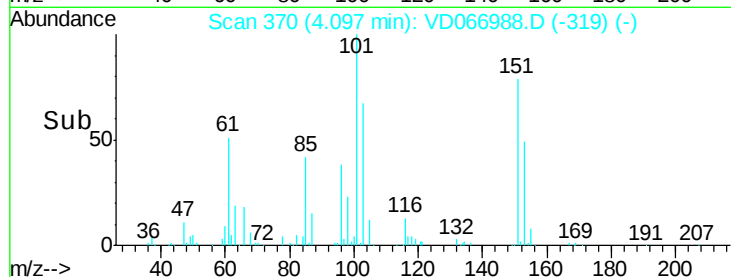
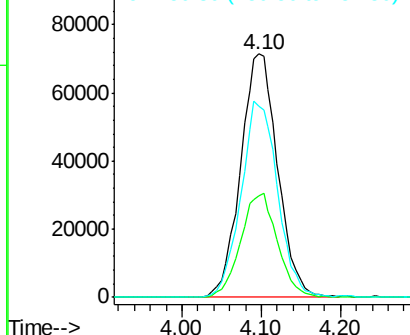
Tot Ion:	101	Resp:	231616
Ion Ratio	Lower	Upper	
101	100		
85	42.3	33.8	50.8
151	79.8	63.8	95.8

Manual Integrations
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10/2/2020 3:13:21 PM



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 51.805 ug/l

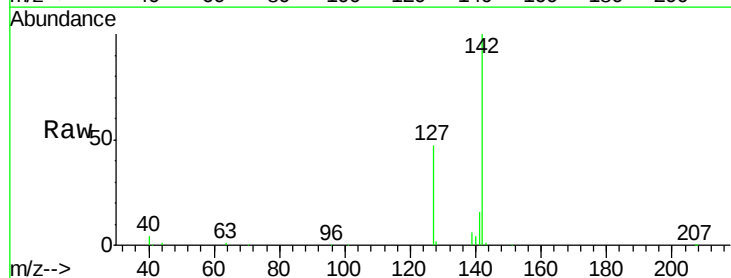
RT: 4.30 min Scan# 405

Delta R.T. 0.00 min

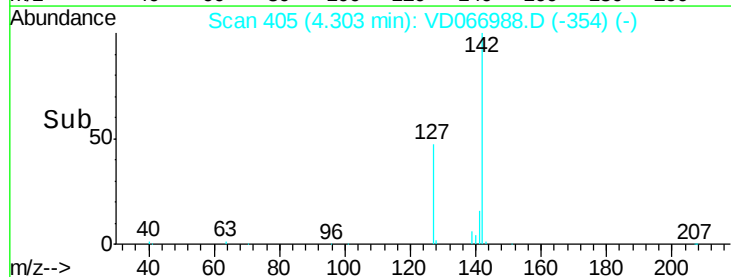
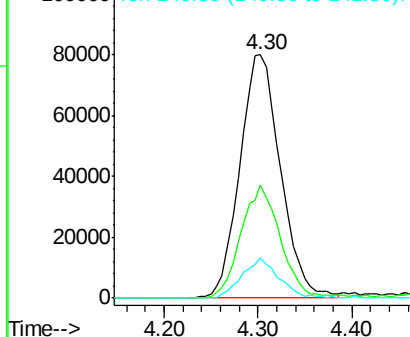
Lab File: VD066988.D

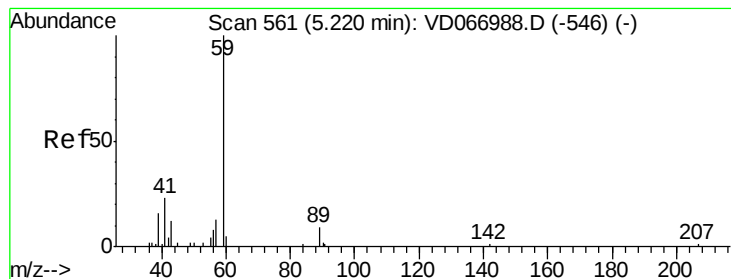
Acq: 01 Oct 2020 12:47

Tgt Ion:	142	Resp:	239858
Ion Ratio	Lower	Upper	
142	100		
127	45.4	36.3	54.5
141	15.0	12.0	18.0



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

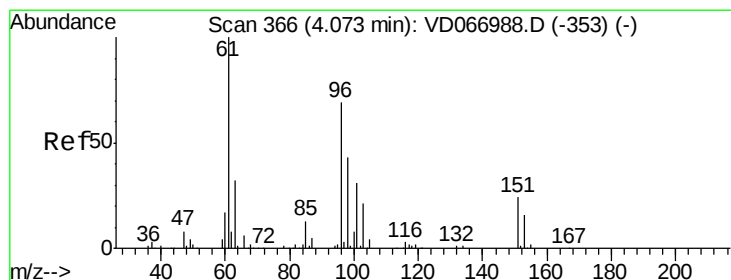
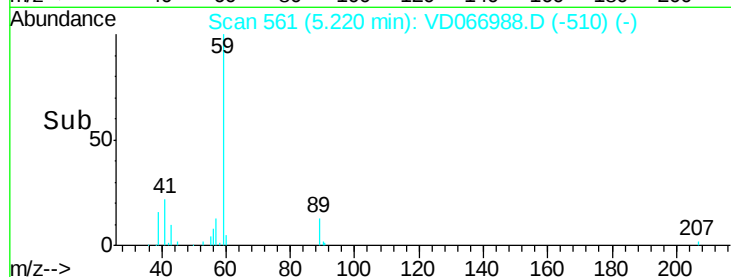
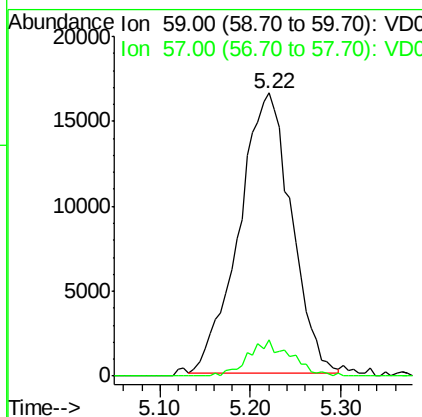
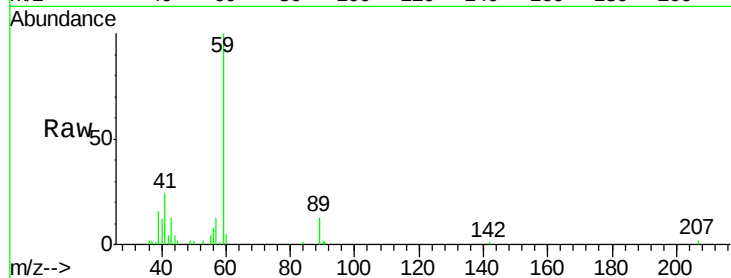
Tert butyl alcohol
Concen: 169.537 ug/l
RT: 5.22 min Scan# 561
Delta R.T. 0.00 min
Lab File: VD066988.D
Acq: 01 Oct 2020 12:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
59	100	66055		
57	10.3		8.2	12.4

Manual Integrations
APPROVED

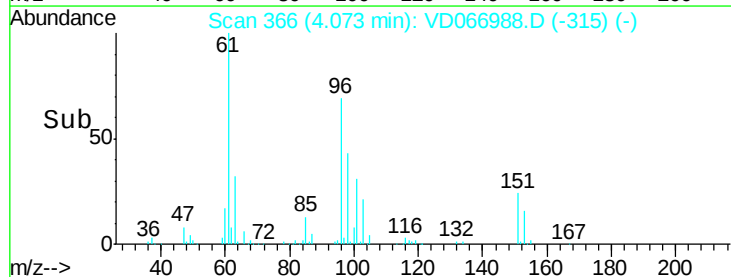
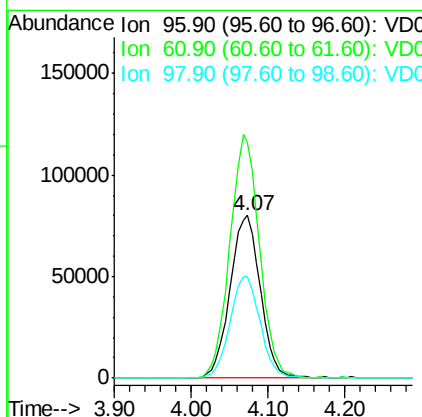
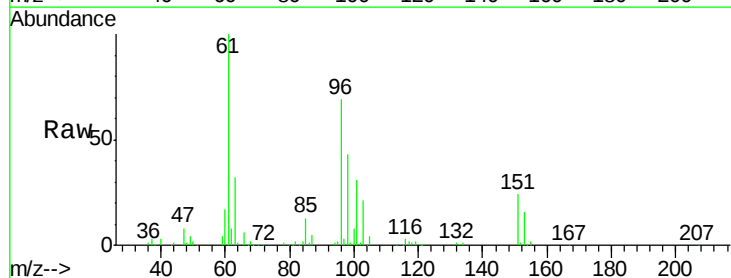
MMDadoda
10/2/2020 3:13:21 PM

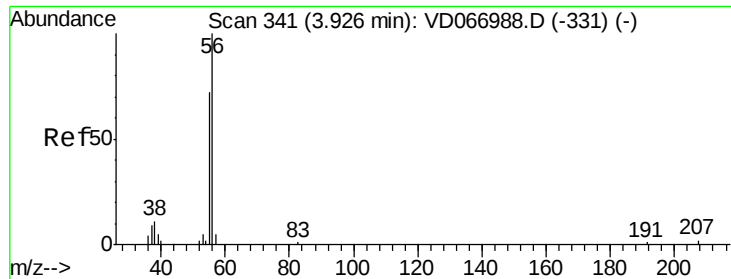


#12

1,1-Dichloroethene
Concen: 49.286 ug/l
RT: 4.07 min Scan# 366
Delta R.T. 0.00 min
Lab File: VD066988.D
Acq: 01 Oct 2020 12:47

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	220776		
61	145.5		116.4	174.6
98	62.4		49.9	74.9





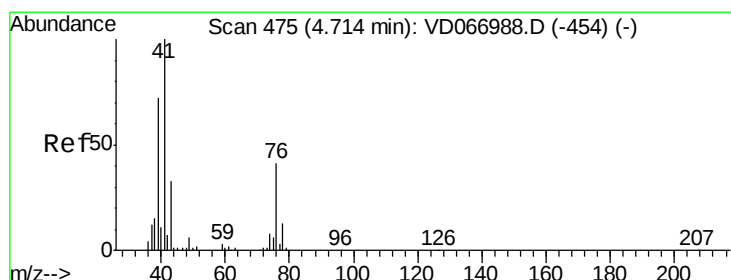
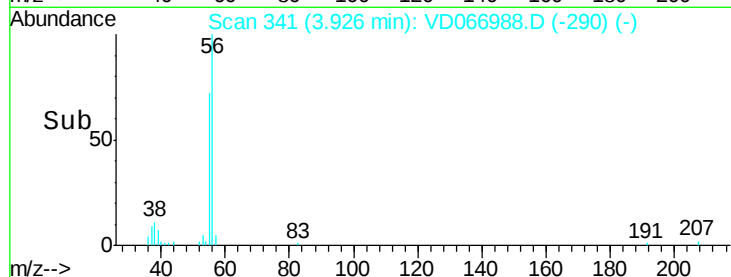
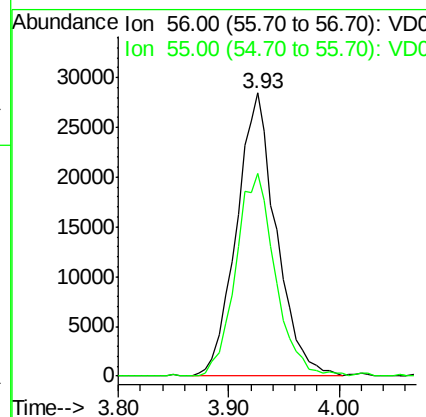
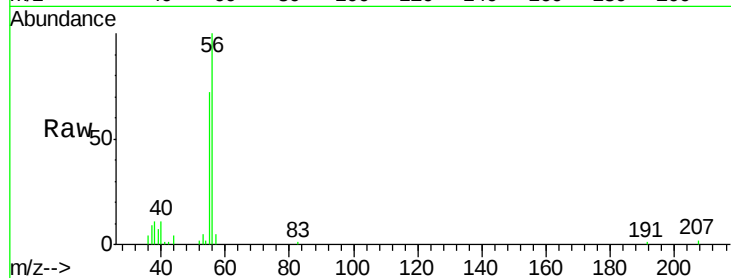
#13
Acrolein
Concen: 234.133 ug/l
RT: 3.93 min Scan# 341
Delta R.T. 0.00 min
Lab File: VD066988.D
Acq: 01 Oct 2020 12:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	56	Resp	71756
Ion Ratio	100	Lower	Upper
55	71.1	56.9	85.3

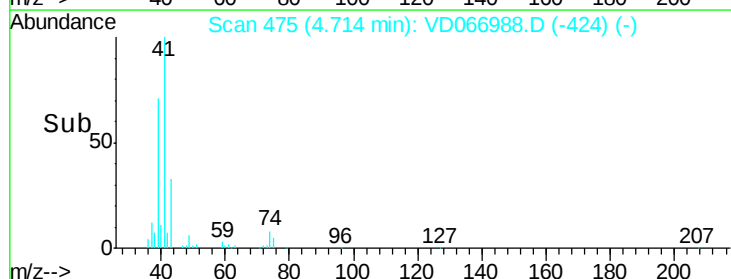
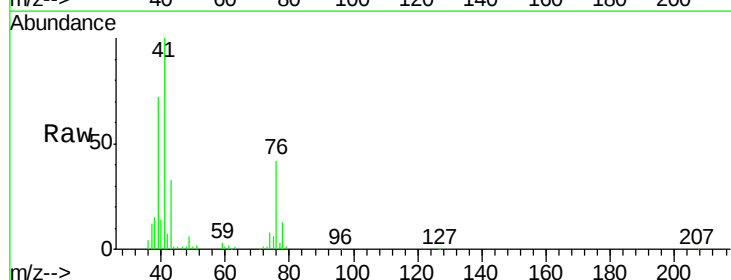
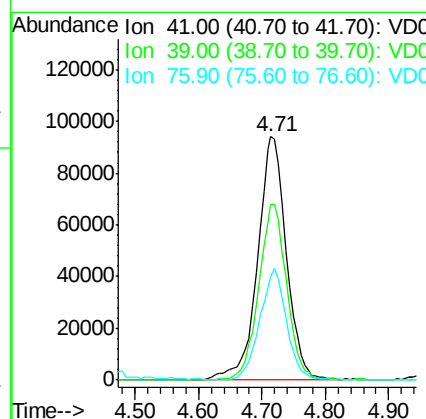
Manual Integrations
APPROVED

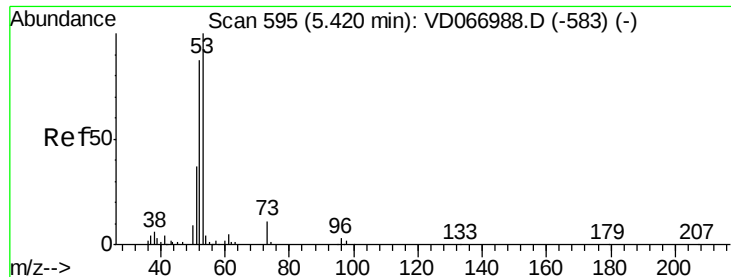
MMDadoda
10/2/2020 3:13:21 PM



#14
Allyl chloride
Concen: 51.491 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.00 min
Lab File: VD066988.D
Acq: 01 Oct 2020 12:47

Tgt Ion	41	Resp	299638
Ion Ratio	100	Lower	Upper
39	70.2	56.2	84.2
76	42.7	34.2	51.2





#15

Acrylonitrile

Concen: 254.565 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.00 min

Lab File: VD066988.D

Acq: 01 Oct 2020 12:47

Instrument :

MSVOA_D

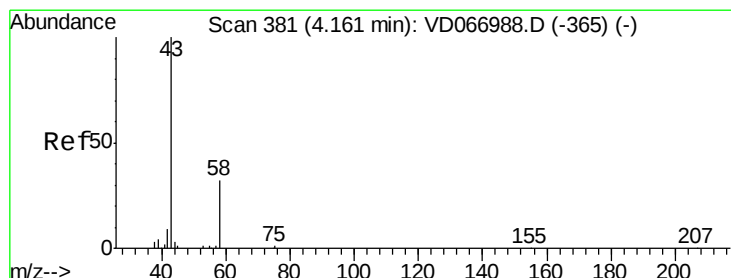
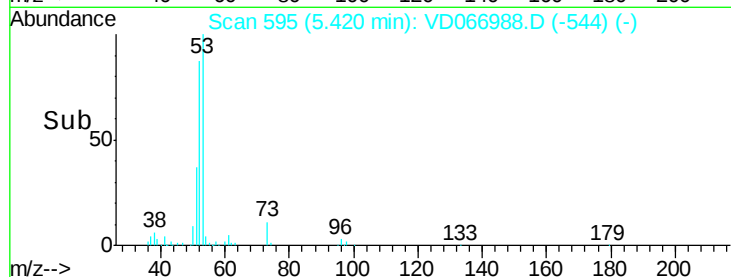
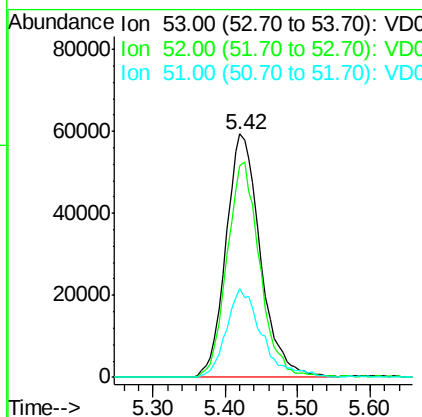
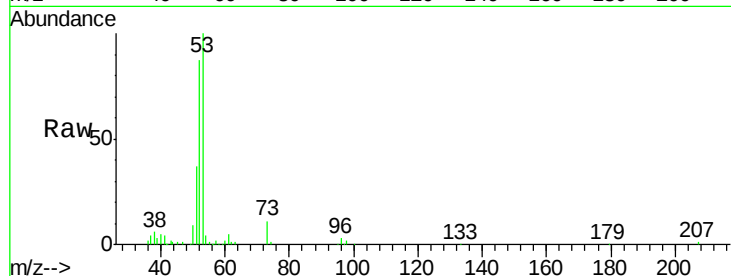
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	195870
Ion	Ratio	Lower	Upper
53	100		
52	84.1	67.3	100.9
51	37.7	30.2	45.2

Manual Integrations
APPROVED

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#16

Acetone

Concen: 258.566 ug/l

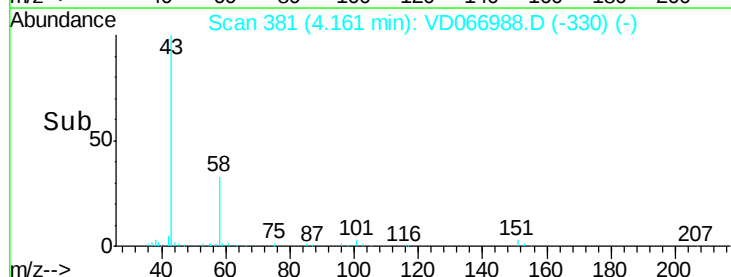
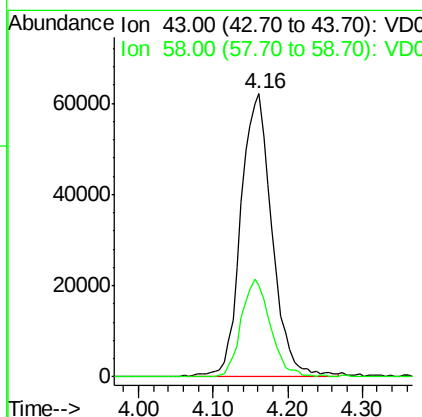
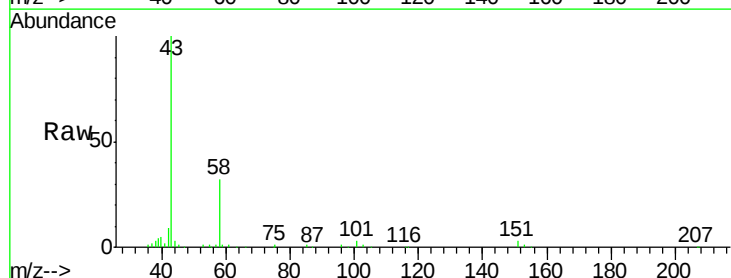
RT: 4.16 min Scan# 381

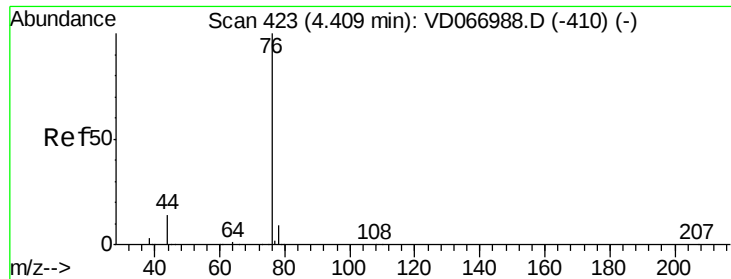
Delta R.T. 0.00 min

Lab File: VD066988.D

Acq: 01 Oct 2020 12:47

Tgt Ion:	43	Resp:	180656
Ion	Ratio	Lower	Upper
43	100		
58	32.4	25.9	38.9





#17

Carbon Disulfide

Concen: 49.472 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.00 min

Lab File: VD066988.D

Acq: 01 Oct 2020 12:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 680100

Ion Ratio Lower Upper

76 100

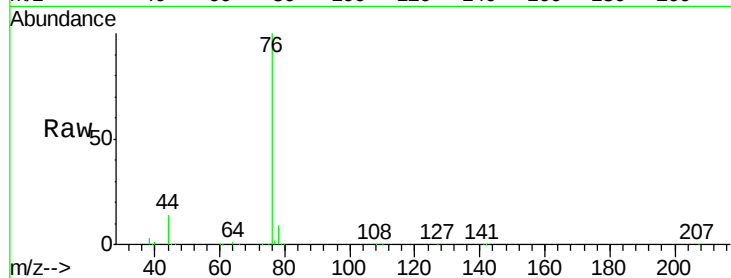
78 9.4 7.5 11.3

Manual Integrations

APPROVED

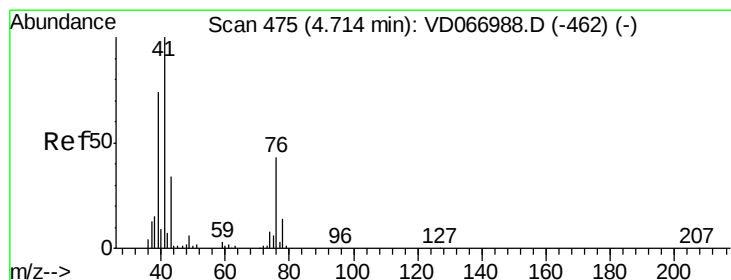
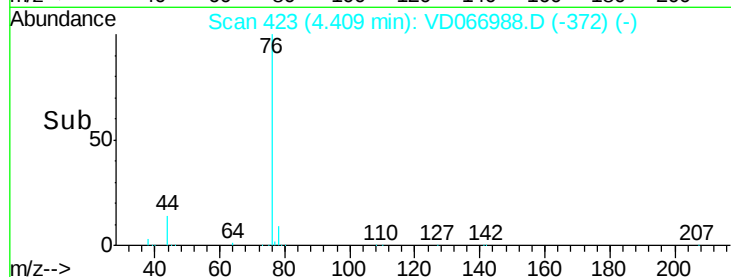
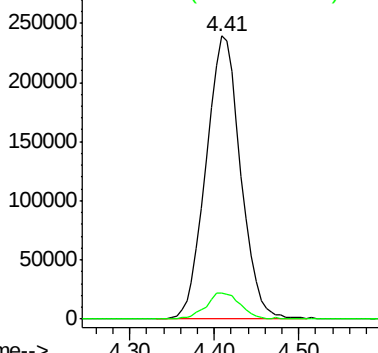
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 50.541 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD066988.D

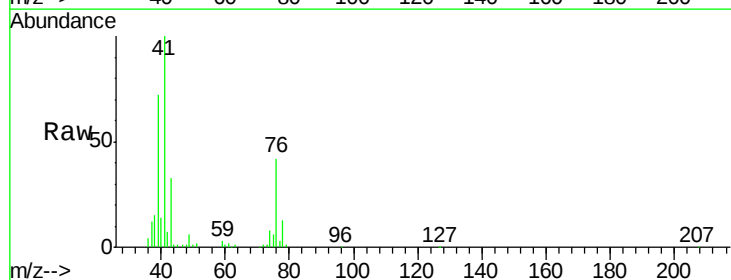
Acq: 01 Oct 2020 12:47

Tgt Ion: 43 Resp: 88752

Ion Ratio Lower Upper

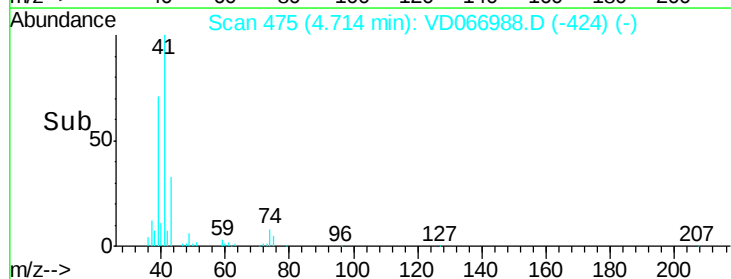
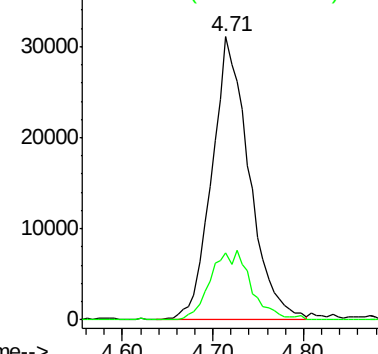
43 100

74 26.9 21.5 32.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





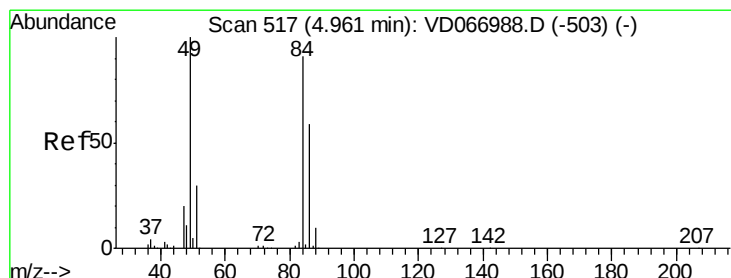
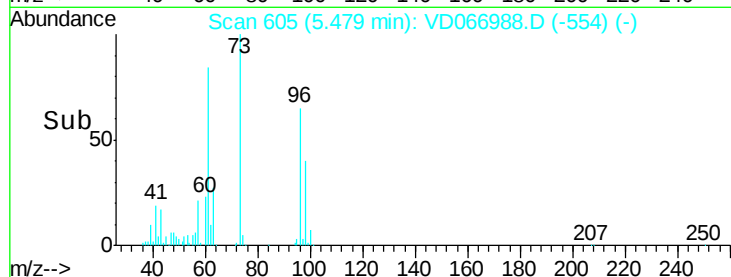
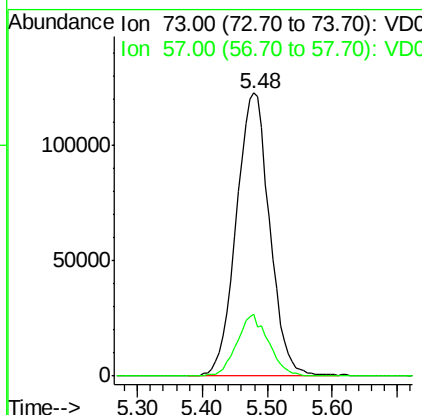
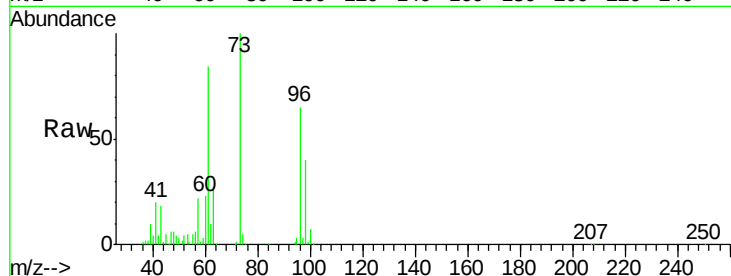
#19
Methyl tert-butyl Ether
Concen: 53.388 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.00 min
Lab File: VD066988.D
Acq: 01 Oct 2020 12:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 73 Resp: 436576
Ion Ratio Lower Upper
73 100
57 21.7 17.4 26.0

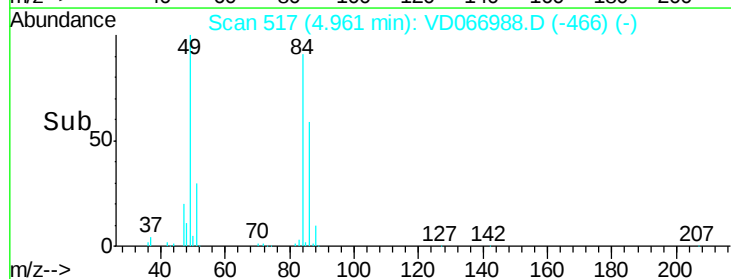
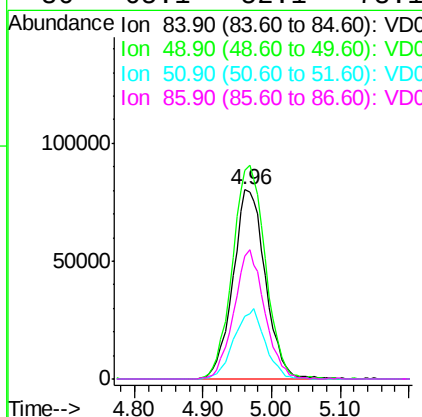
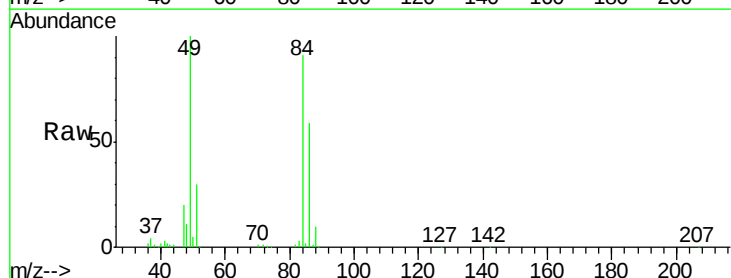
Manual Integrations
APPROVED

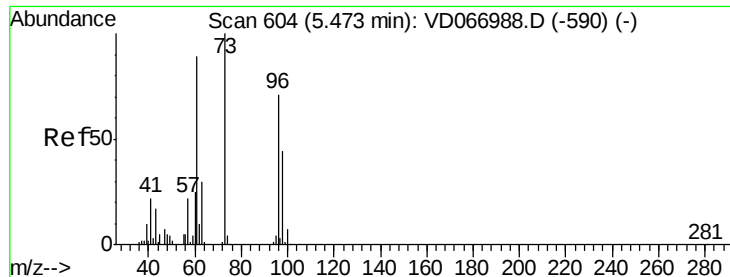
MMDadoda
10/2/2020 3:13:21 PM



#20
Methylene Chloride
Concen: 41.252 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD066988.D
Acq: 01 Oct 2020 12:47

Tgt Ion: 84 Resp: 262733
Ion Ratio Lower Upper
84 100
49 110.2 88.2 132.2
51 33.2 26.6 39.8
86 65.1 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 50.394 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD066988.D

Acq: 01 Oct 2020 12:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 96 Resp: 256903

Ion Ratio Lower Upper

96 100

61 124.5 99.6 149.4

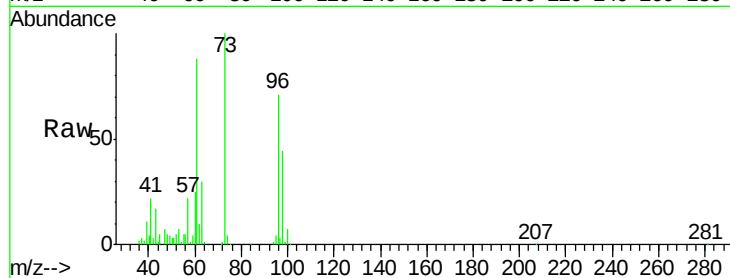
98 61.8 49.4 74.2

Manual Integrations

APPROVED

MMDadoda

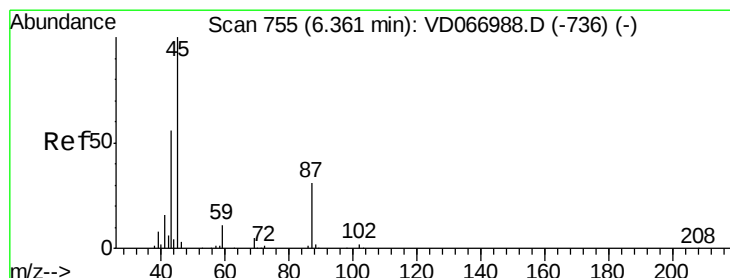
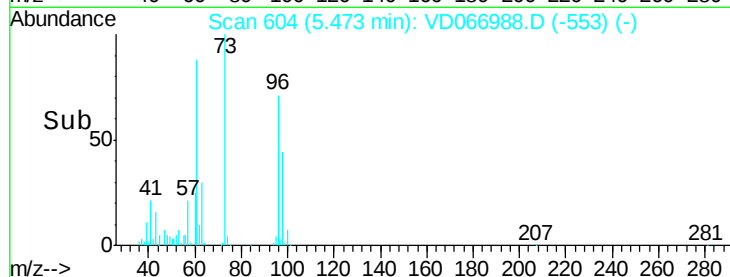
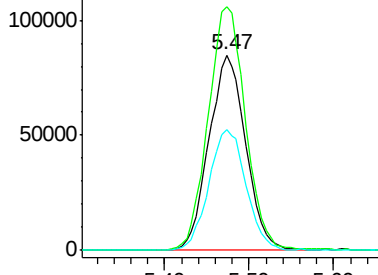
10/2/2020 3:13:21 PM



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: 52.872 ug/l

RT: 6.36 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD066988.D

Acq: 01 Oct 2020 12:47

Tgt Ion: 45 Resp: 561708

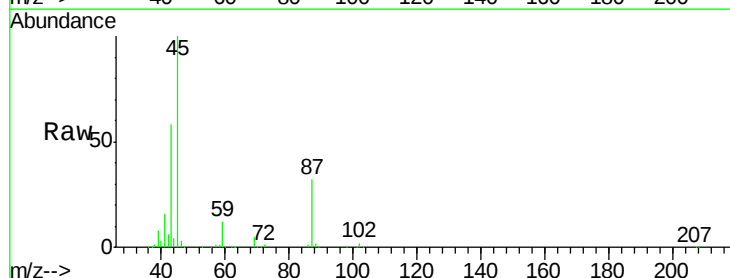
Ion Ratio Lower Upper

45 100

43 56.5 45.2 67.8

87 32.0 25.6 38.4

59 11.4 9.1 13.7

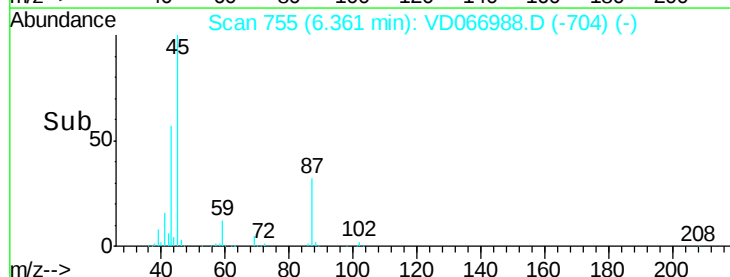
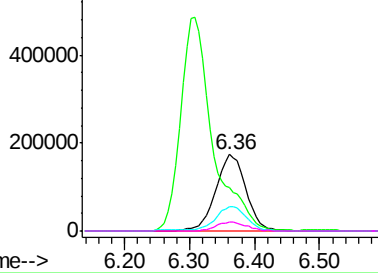


Abundance Ion 45.00 (44.70 to 45.70): VDC

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: 275.703 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD066988.D

Acq: 01 Oct 2020 12:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 1659780

Ion Ratio Lower Upper

43 100

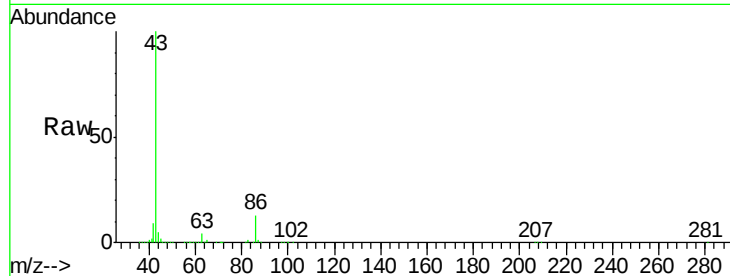
86 12.7 10.2 15.2

Manual Integrations

APPROVED

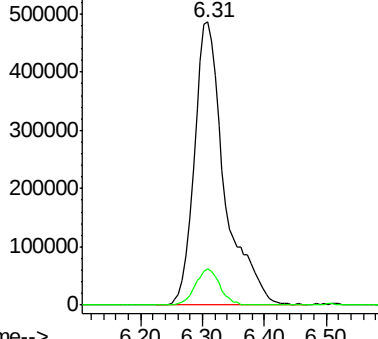
MMDadoda

10/2/2020 3:13:21 PM

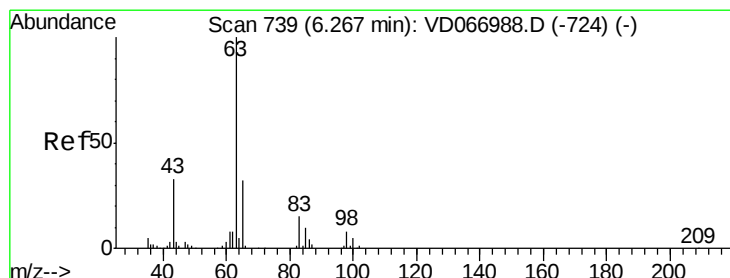
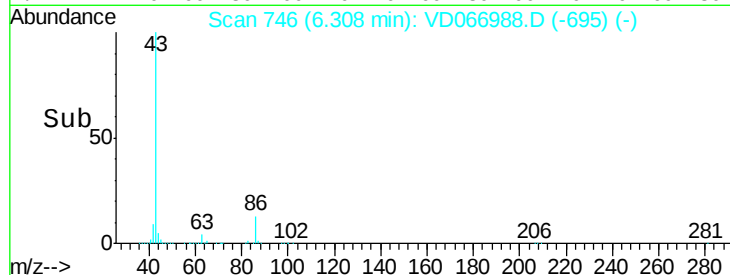


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



Time-->



#24

1,1-Dichloroethane

Concen: 50.169 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD066988.D

Acq: 01 Oct 2020 12:47

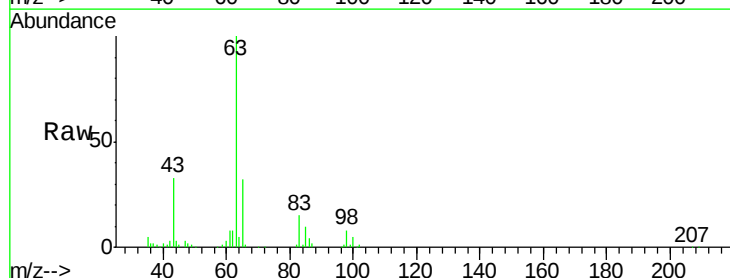
Tgt Ion: 63 Resp: 411336

Ion Ratio Lower Upper

63 100

98 8.4 4.2 12.6

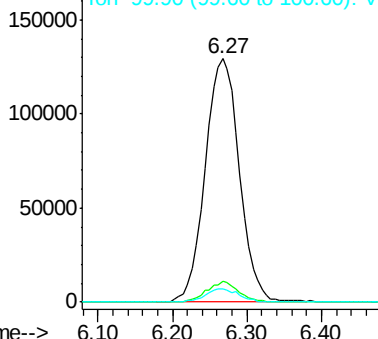
100 5.2 2.6 7.8



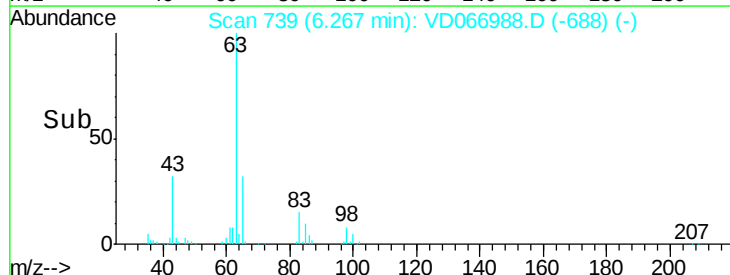
Abundance Ion 62.90 (62.60 to 63.60): VDC

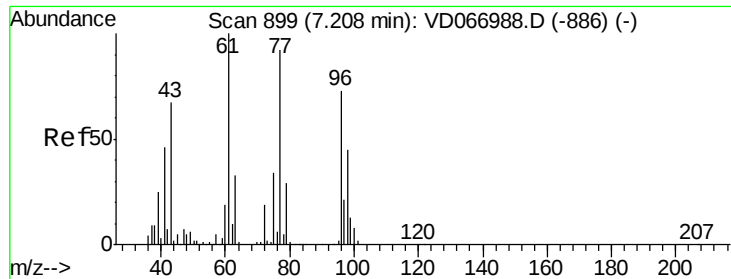
Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC



Time-->





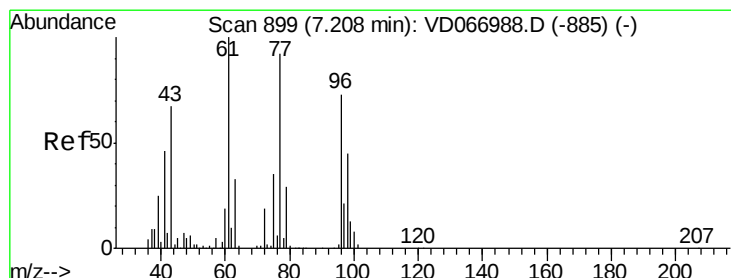
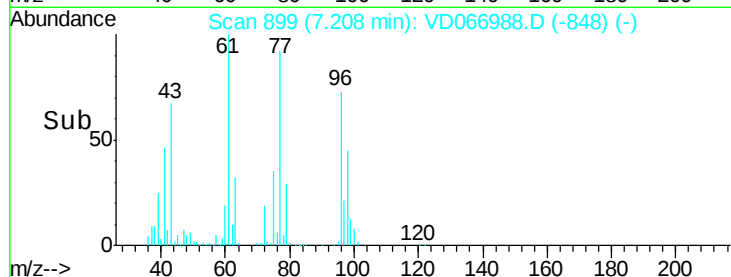
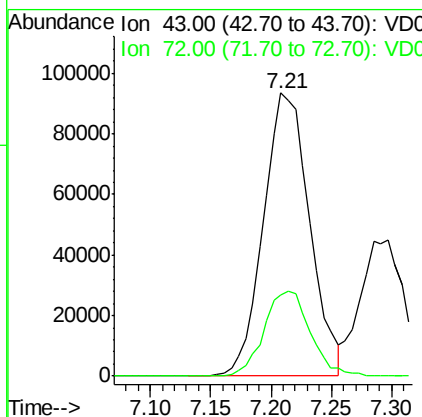
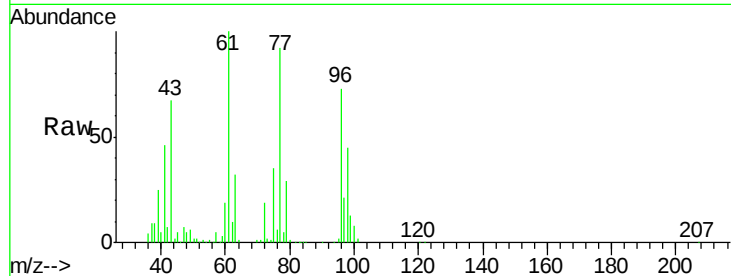
#25
2-Butanone
Concen: 249.868 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD066988.D
Acq: 01 Oct 2020 12:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 247513
Ion Ratio Lower Upper
43 100
72 28.5 22.8 34.2

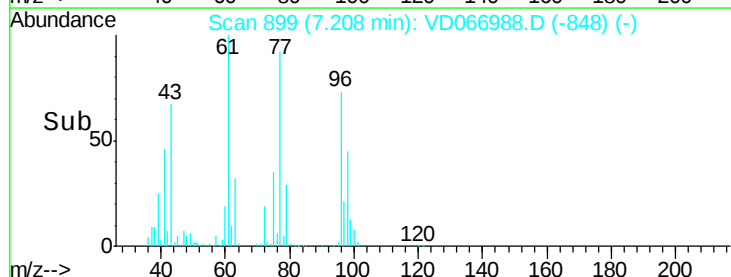
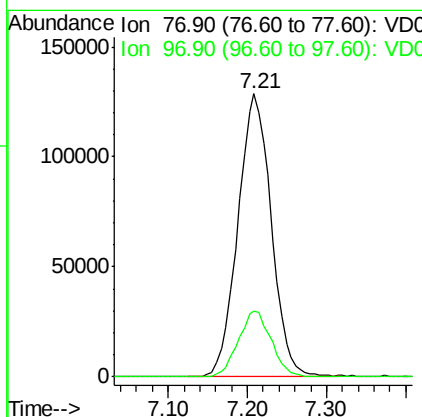
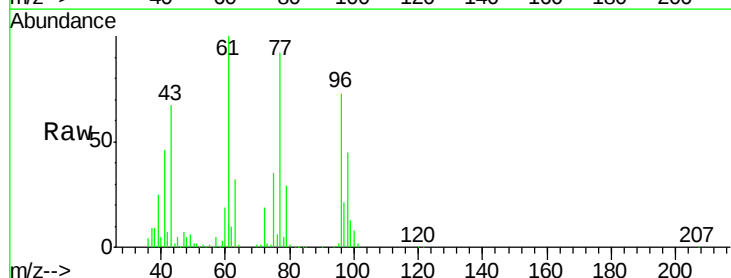
Manual Integrations
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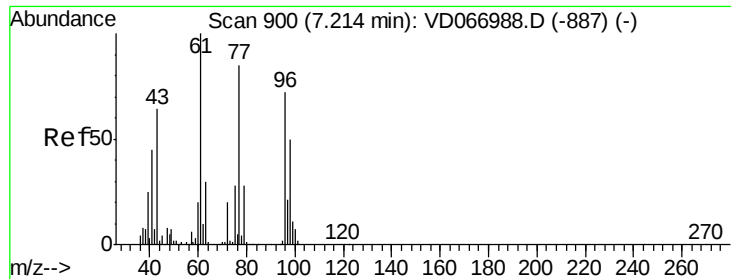
MMDadoda
10/2/2020 3:13:21 PM



#26
2,2-Dichloropropane
Concen: 47.802 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD066988.D
Acq: 01 Oct 2020 12:47

Tgt Ion: 77 Resp: 376041
Ion Ratio Lower Upper
77 100
97 22.8 11.4 34.2





#27

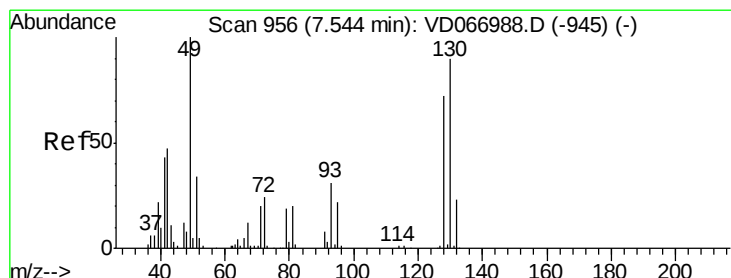
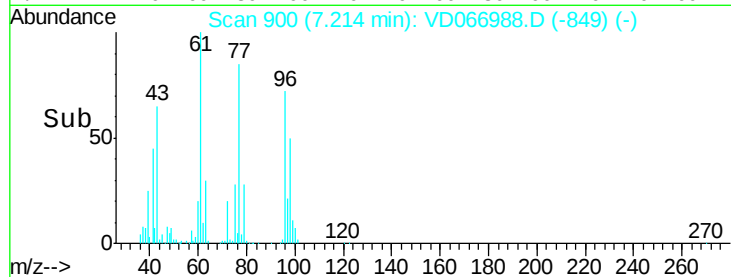
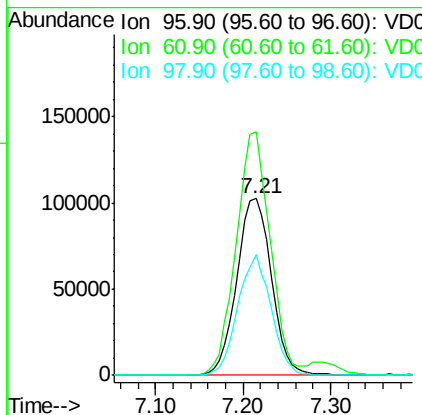
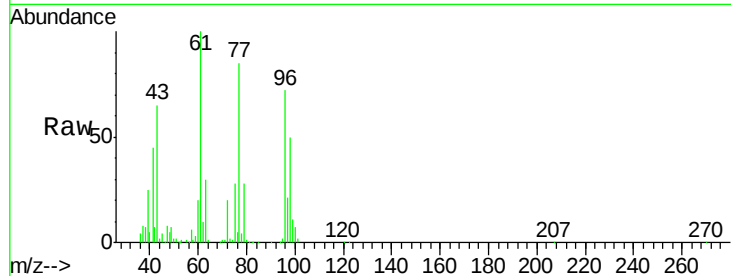
cis-1,2-Dichloroethene
Concen: 50.824 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD066988.D
Acq: 01 Oct 2020 12:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	276713		
61	134.6	0.0	269.2	
98	64.7	0.0	129.4	

Manual Integrations
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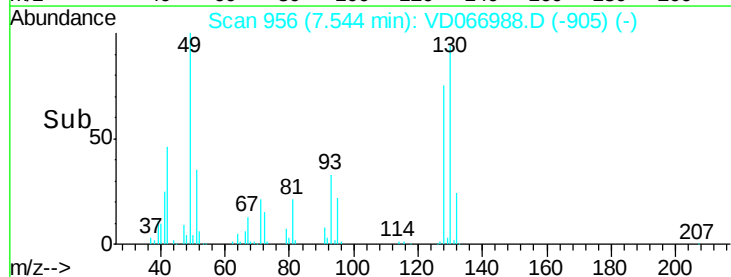
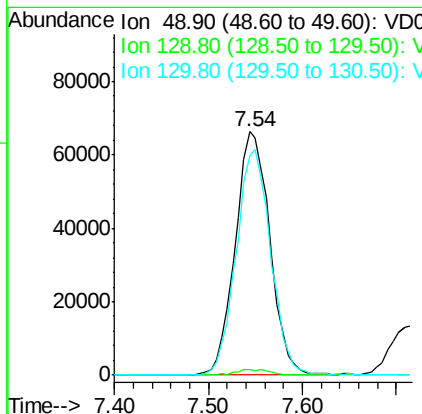
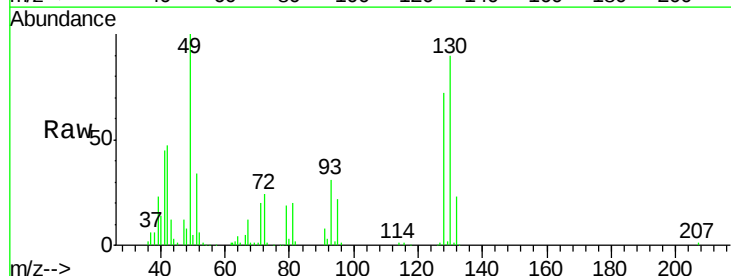
MMDadoda
10/2/2020 3:13:21 PM

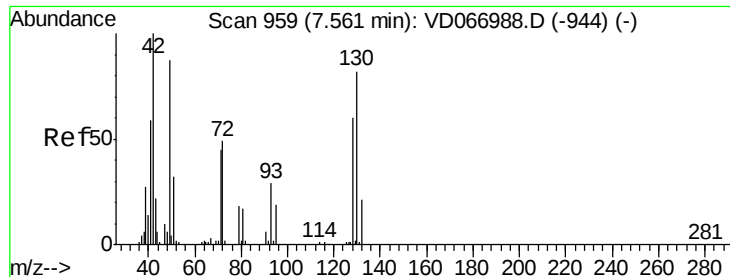


#28

Bromochloromethane
Concen: 53.553 ug/l
RT: 7.54 min Scan# 956
Delta R.T. 0.00 min
Lab File: VD066988.D
Acq: 01 Oct 2020 12:47

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	169566		
129	2.3	0.0	4.6	
130	92.6	74.1	111.1	





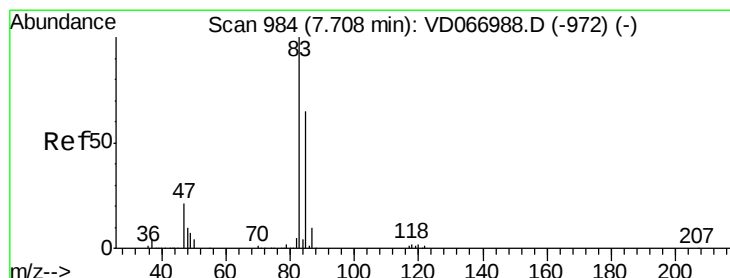
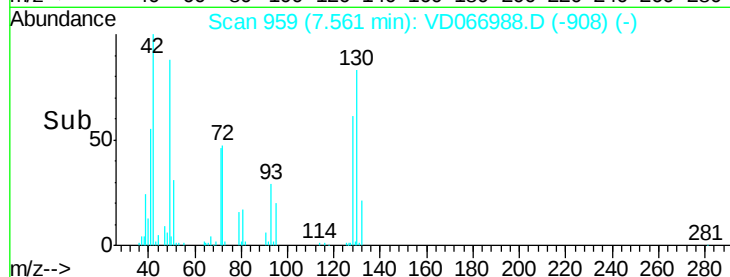
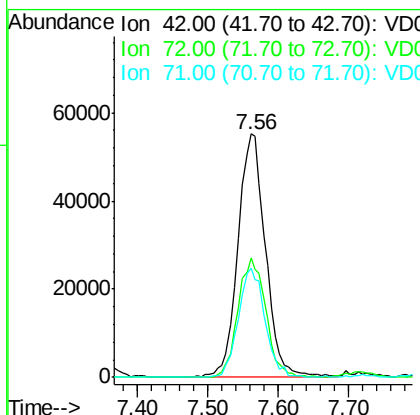
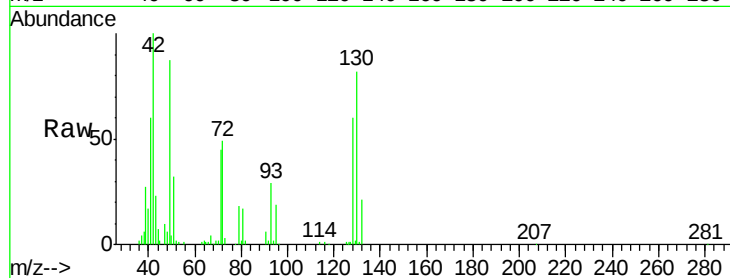
#29
Tetrahydrofuran
Concen: 264.074 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.00 min
Lab File: VD066988.D
Acq: 01 Oct 2020 12:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.9	39.1	58.7
71	42.8	34.2	51.4

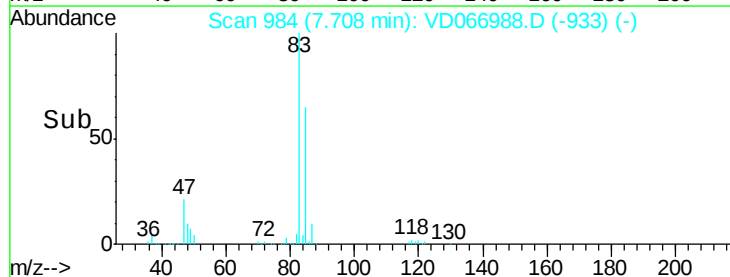
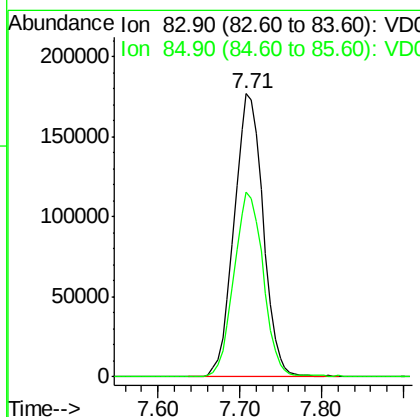
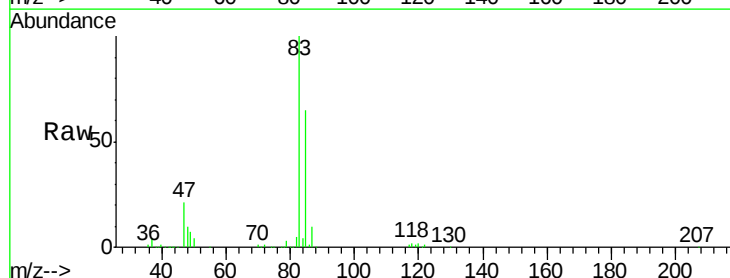
Manual Integrations
APPROVED

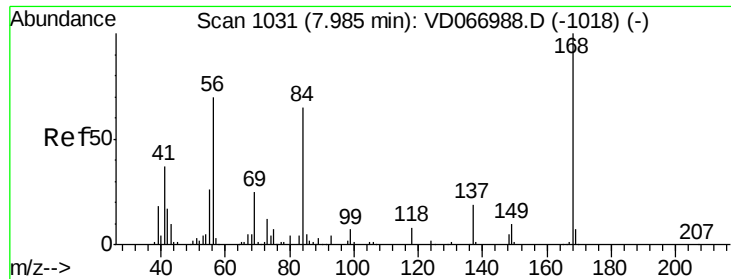
MMDadoda
10/2/2020 3:13:21 PM



#30
Chloroform
Concen: 49.313 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.00 min
Lab File: VD066988.D
Acq: 01 Oct 2020 12:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	52.3	78.5





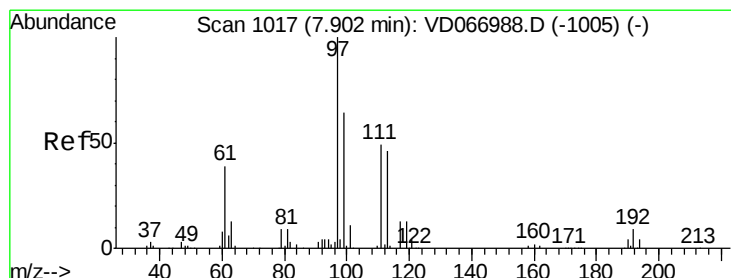
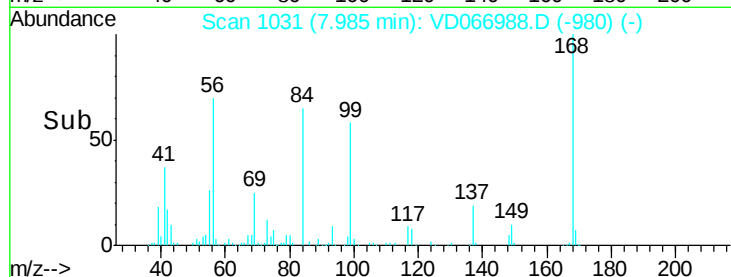
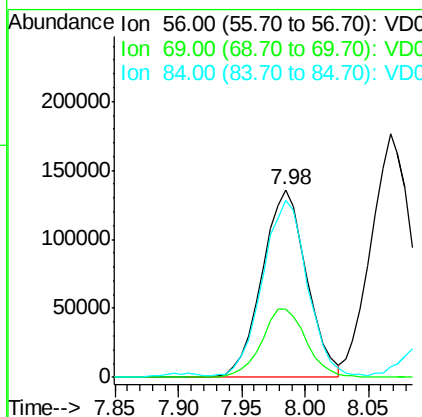
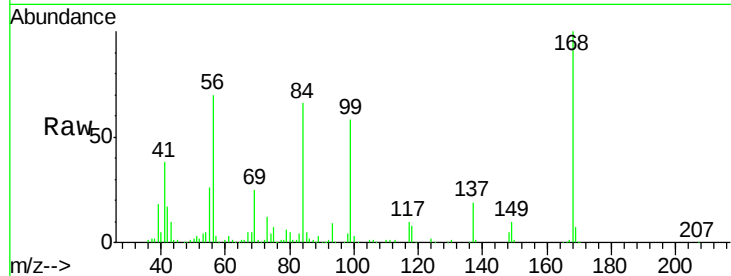
#31
Cyclohexane
Concen: 48.346 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD066988.D
Acq: 01 Oct 2020 12:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.3	29.0	43.6
84	92.7	74.2	111.2

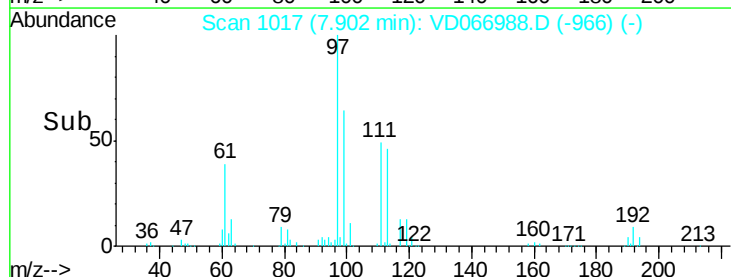
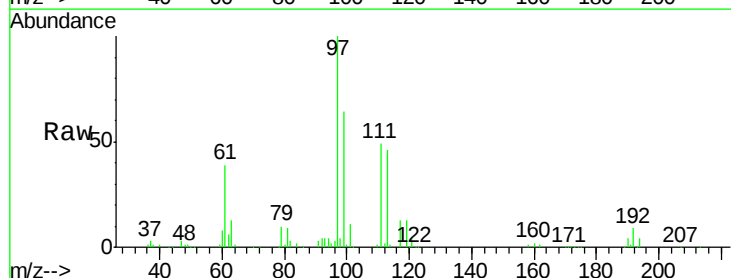
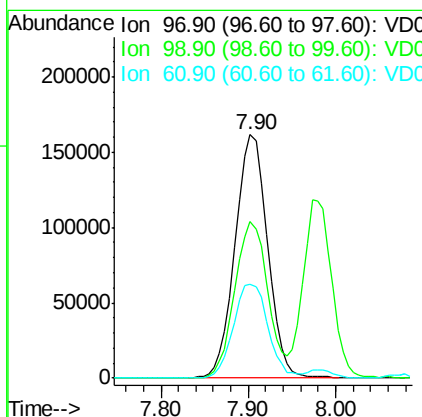
Manual Integrations
APPROVED

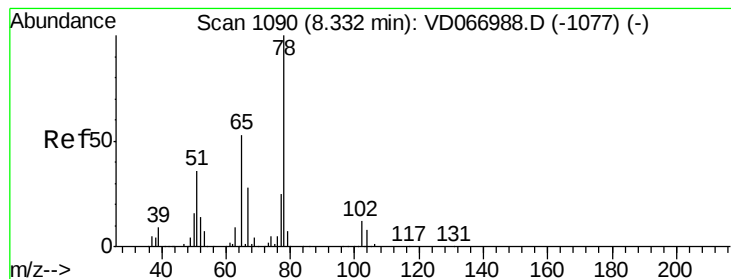
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 49.494 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VD066988.D
Acq: 01 Oct 2020 12:47

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.7	52.6	78.8
61	41.0	32.8	49.2





#33

1,2-Dichloroethane-d4

Concen: 51.780 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD066988.D

Acq: 01 Oct 2020 12:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 65 Resp: 237000

Ion Ratio Lower Upper

65 100

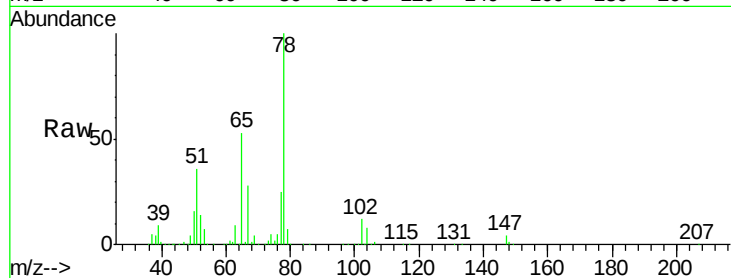
67 53.4 0.0 106.8

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

120000

100000

80000

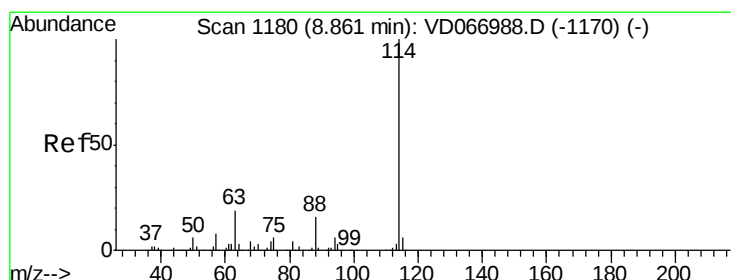
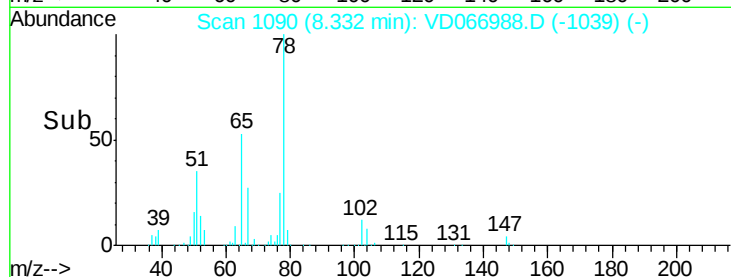
60000

40000

20000

0

Time--> 8.20 8.30 8.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD066988.D

Acq: 01 Oct 2020 12:47

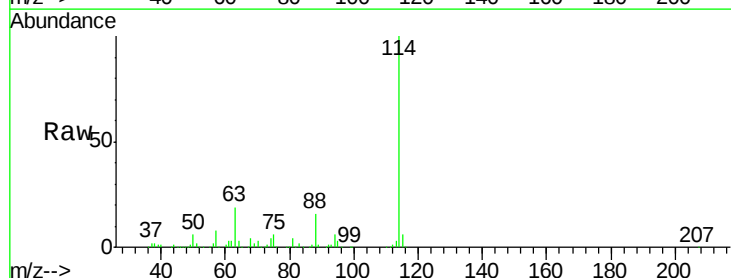
Tgt Ion: 114 Resp: 727285

Ion Ratio Lower Upper

114 100

63 19.2 0.0 38.4

88 15.6 0.0 31.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.86

500000

400000

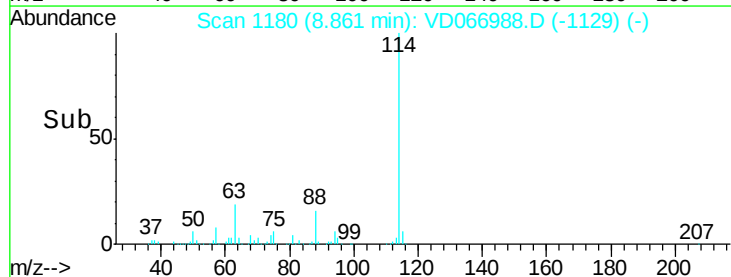
300000

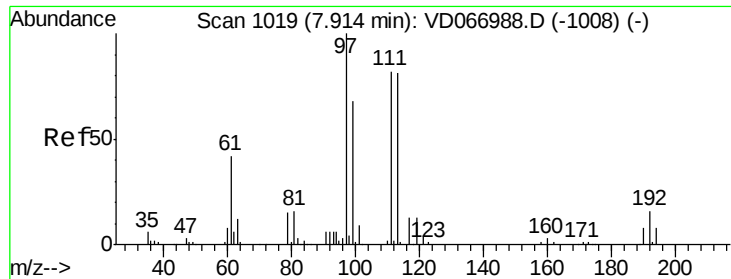
200000

100000

0

Time--> 8.80 8.90 9.00





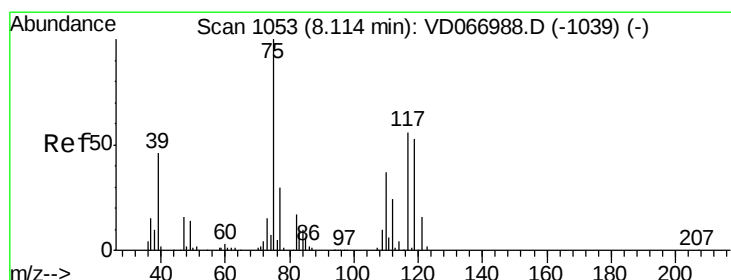
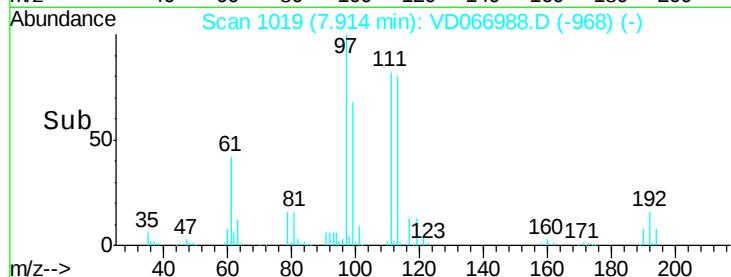
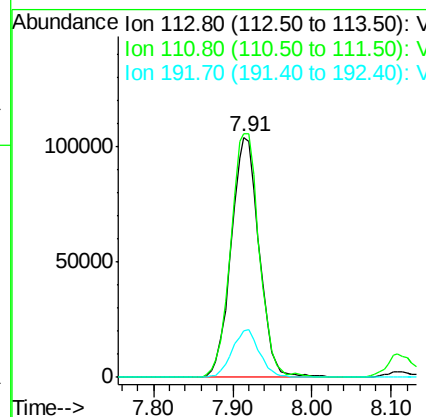
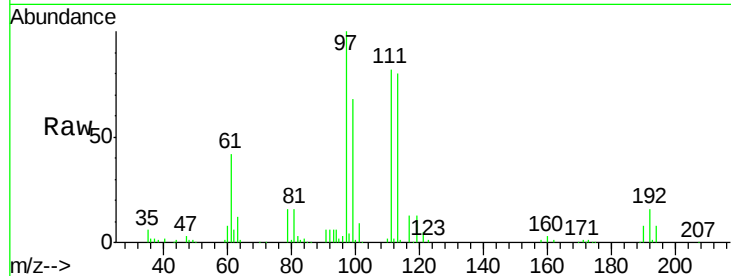
#35
 Dibromofluoromethane
 Concen: 53.110 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD066988.D
 Acq: 01 Oct 2020 12:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	252879		
111	103.7	83.0	124.4	
192	19.4	15.5	23.3	

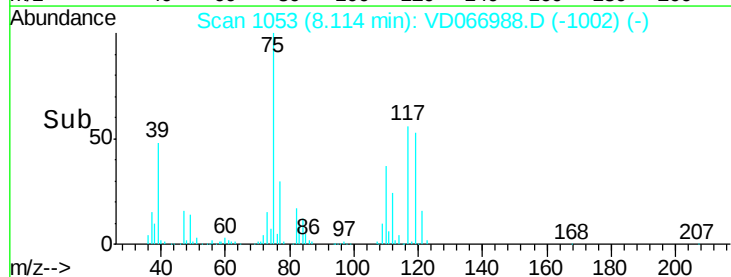
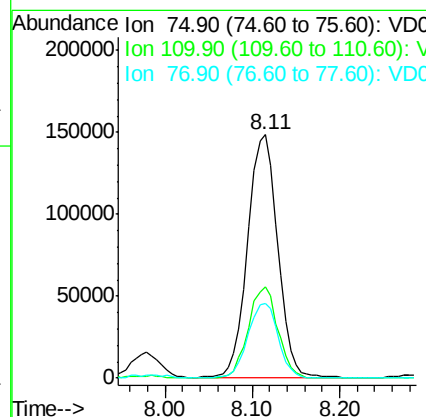
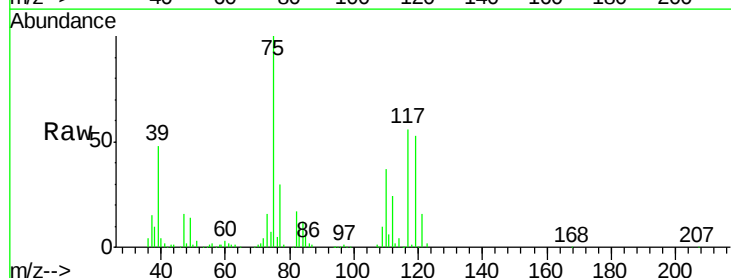
Manual Integrations
 APPROVED

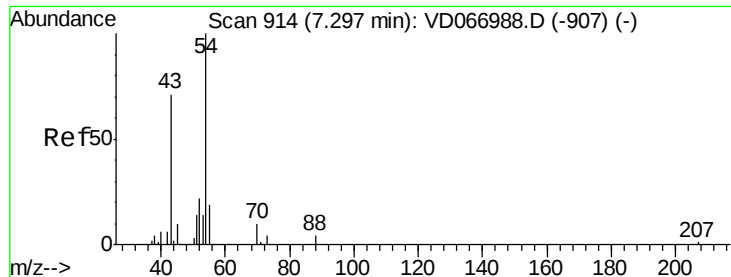
MMDadoda
 10/2/2020 3:13:21 PM



#36
 1,1-Dichloropropene
 Concen: 50.873 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD066988.D
 Acq: 01 Oct 2020 12:47

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	344870		
110	36.7	18.4	55.0	
77	31.0	24.8	37.2	





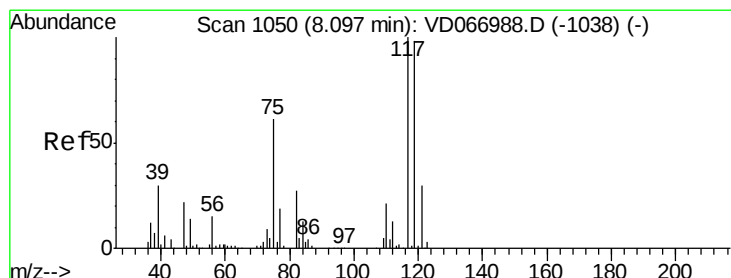
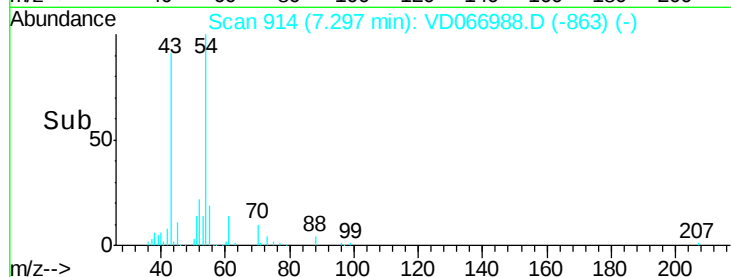
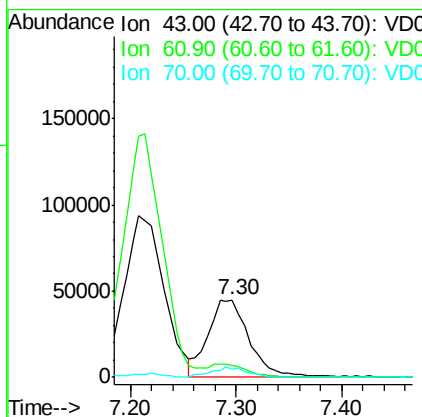
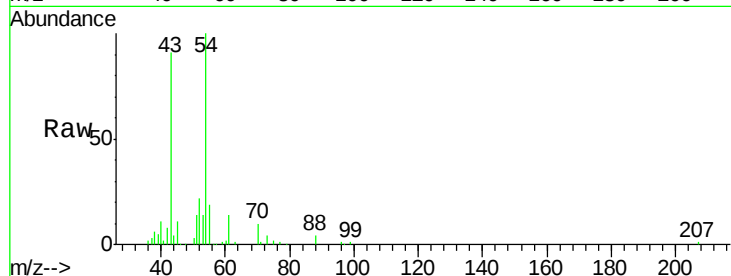
#37
Ethyl Acetate
Concen: 50.916 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD066988.D
Acq: 01 Oct 2020 12:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.6	12.5	18.7
70	11.7	9.4	14.0

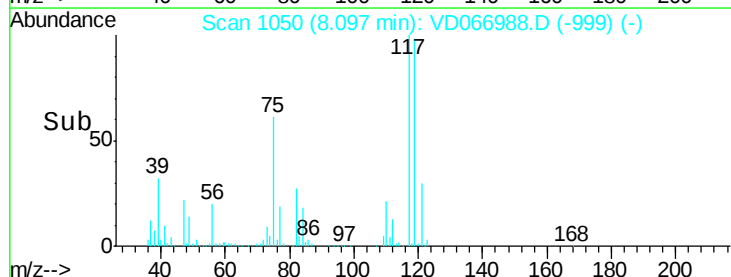
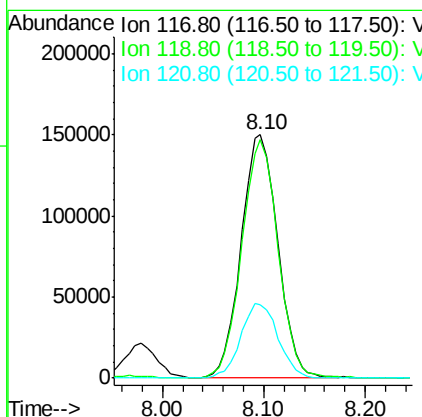
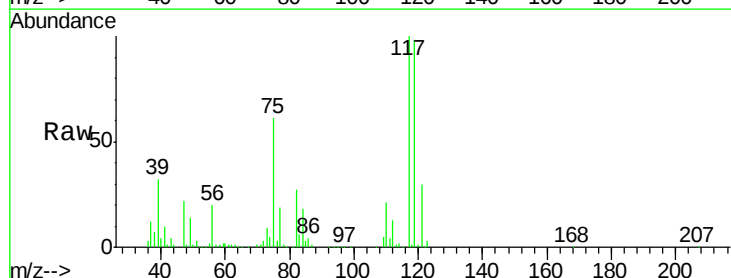
Manual Integrations
APPROVED

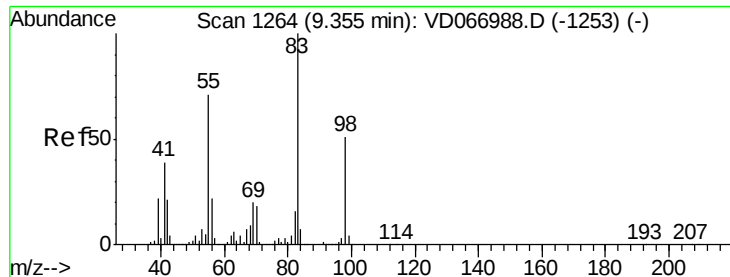
MMDadoda
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#38
Carbon Tetrachloride
Concen: 51.147 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD066988.D
Acq: 01 Oct 2020 12:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.4	78.7	118.1
121	30.2	24.2	36.2





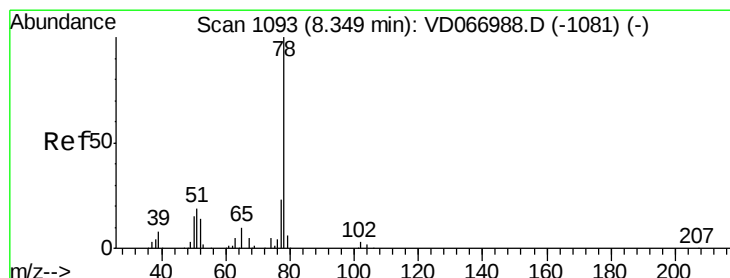
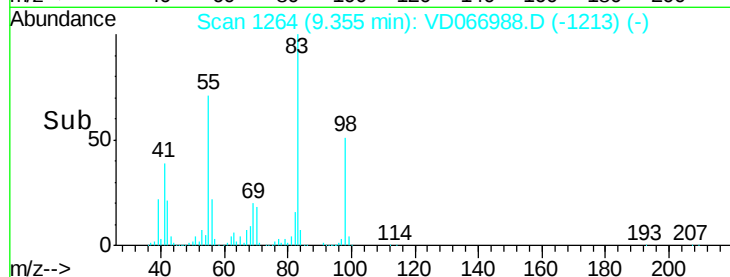
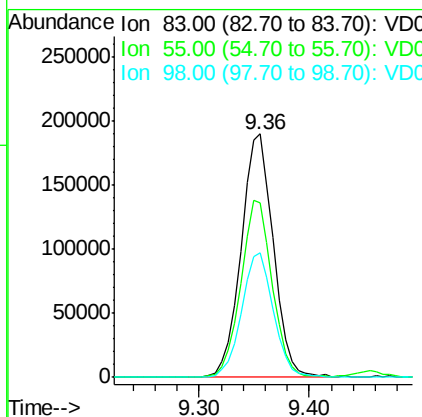
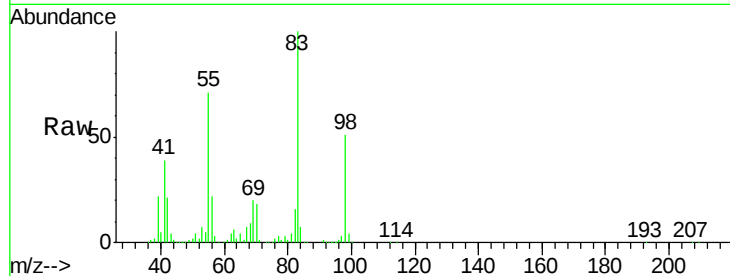
#39
Methvlcvclohexane
Concen: 54.190 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD066988.D
Acq: 01 Oct 2020 12:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.4	57.1	85.7
98	51.1	40.9	61.3

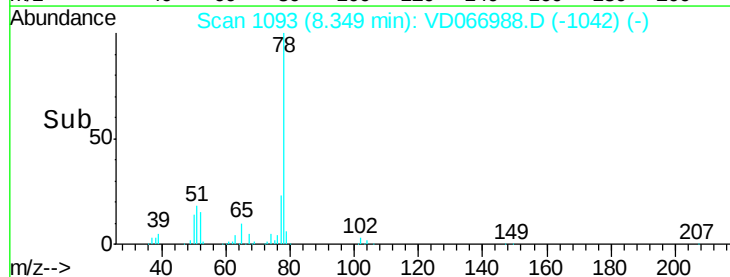
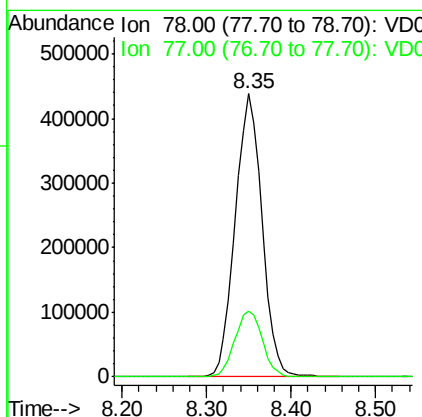
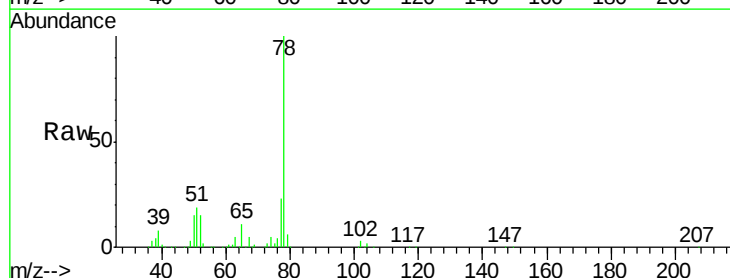
Manual Integrations
APPROVED

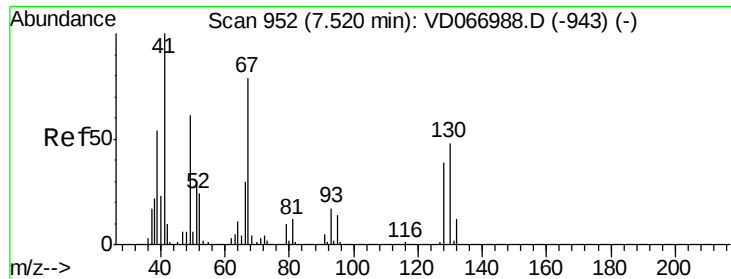
MMDadoda
10/2/2020 3:13:21 PM



#40
Benzene
Concen: 51.036 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD066988.D
Acq: 01 Oct 2020 12:47

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.4	27.6





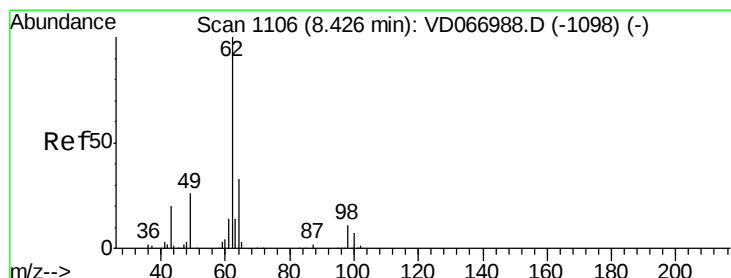
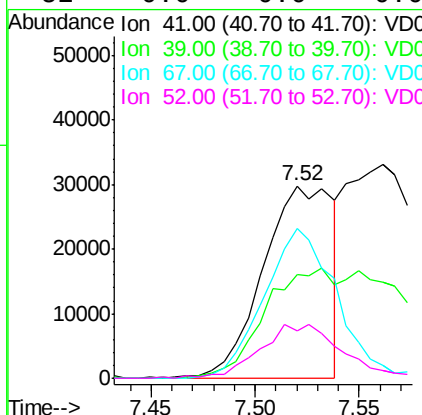
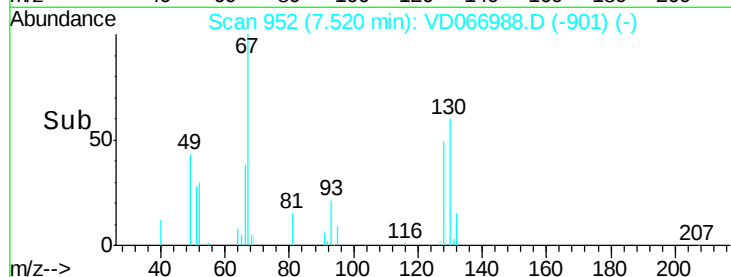
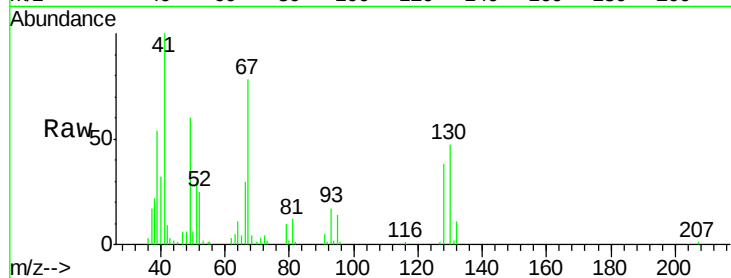
#41
Methacrylonitrile
Concen: 55.077 ug/l m
RT: 7.52 min Scan# 952
Delta R.T. 0.00 min
Lab File: VD066988.D
Acq: 01 Oct 2020 12:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	41	Resp	69879
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

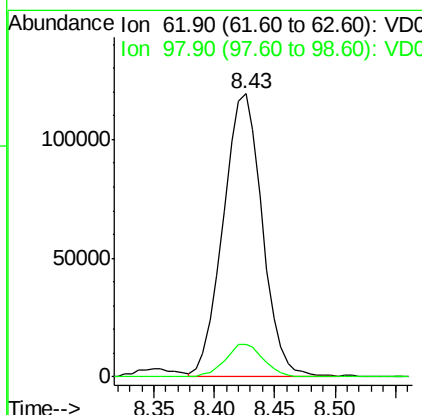
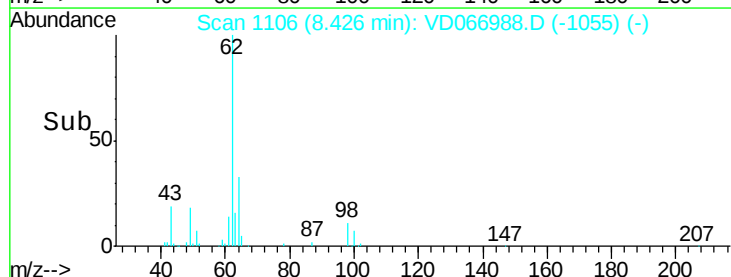
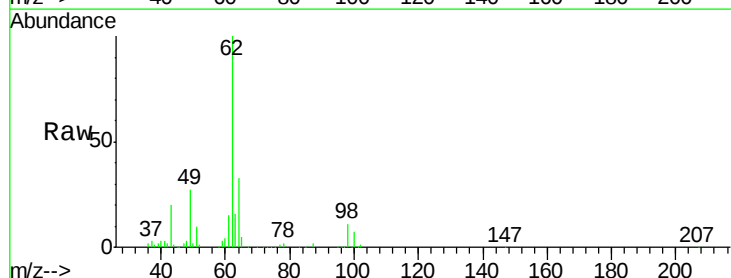
Manual Integrations
APPROVED

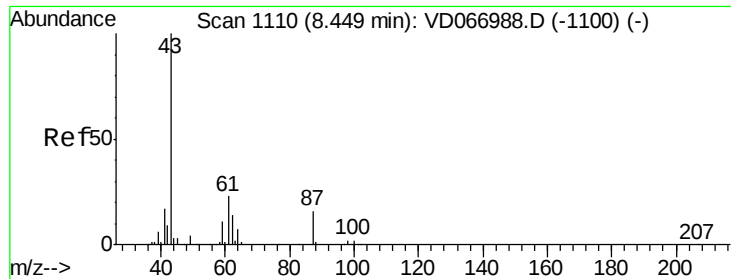
MMDadoda
10/2/2020 3:13:21 PM



#42
1,2-Dichloroethane
Concen: 50.777 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD066988.D
Acq: 01 Oct 2020 12:47

Tgt Ion	62	Resp	267163
Ion	Ratio	Lower	Upper
62	100		
98	11.3	0.0	22.6





#43

Isopropyl Acetate

Concen: 52.657 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD066988.D

Acq: 01 Oct 2020 12:47

Instrument :

MSVOA_D

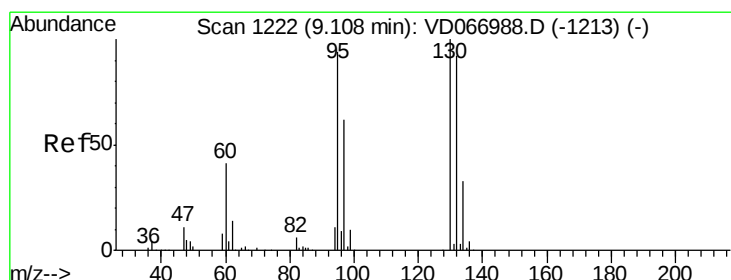
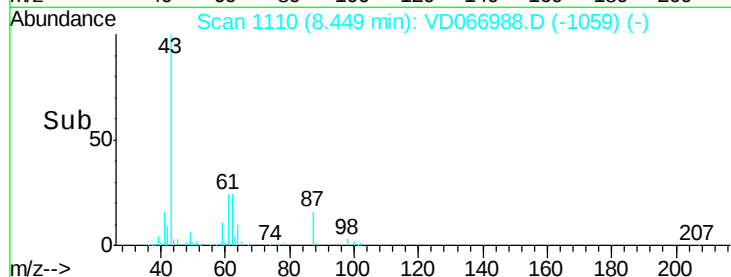
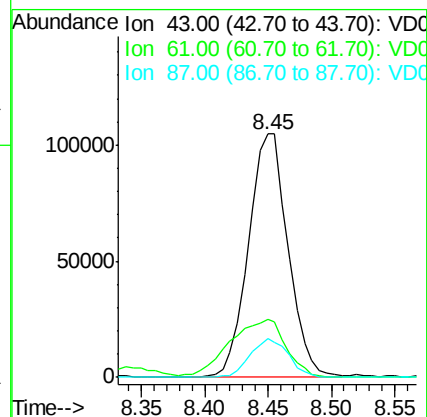
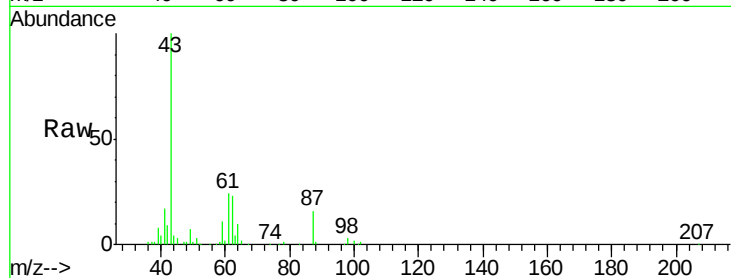
ClientSampleId :

VSTDICCC050

Tot Ion:	43	Resp:	227815
Ion Ratio	Lower	Upper	
43	100		
61	33.9	27.1	40.7
87	15.4	12.3	18.5

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#44

Trichloroethene

Concen: 50.298 ug/l

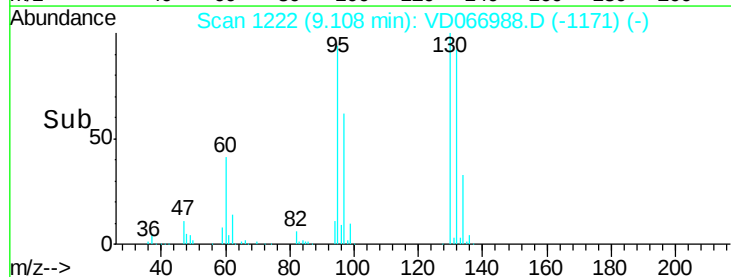
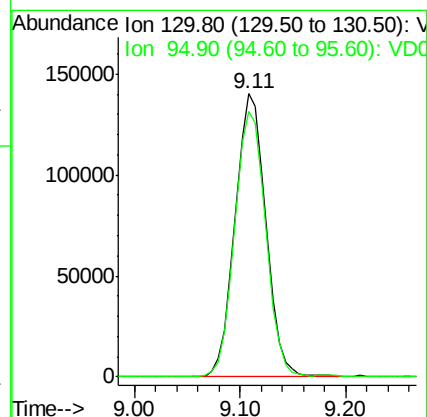
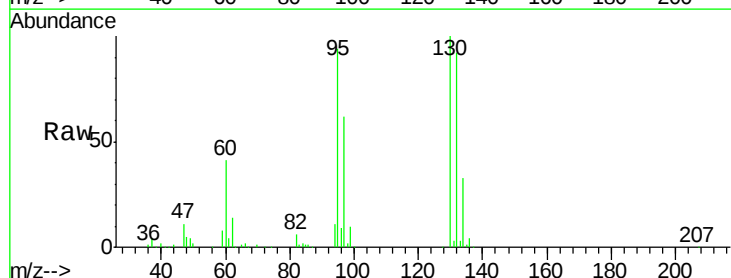
RT: 9.11 min Scan# 1222

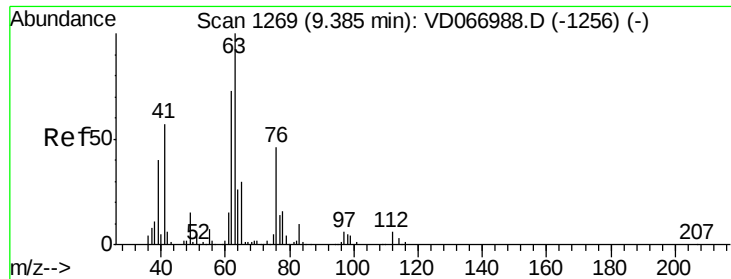
Delta R.T. 0.00 min

Lab File: VD066988.D

Acq: 01 Oct 2020 12:47

Tgt Ion:	130	Resp:	282807
Ion Ratio	Lower	Upper	
130	100		
95	93.9	0.0	187.8





#45

1,2-Dichloropropane

Concen: 52.395 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VD066988.D

Acq: 01 Oct 2020 12:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 63 Resp: 231806

Ion Ratio Lower Upper

63 100

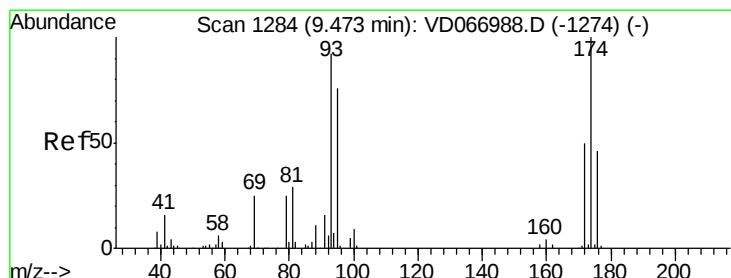
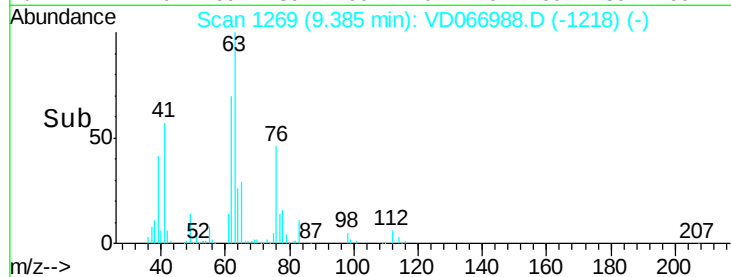
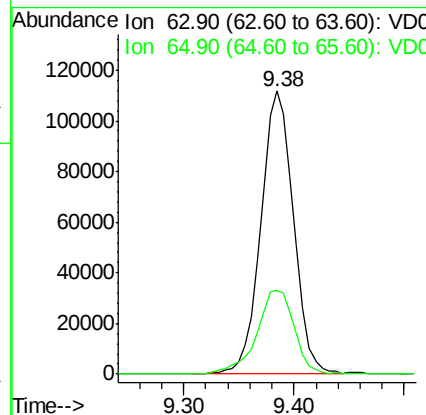
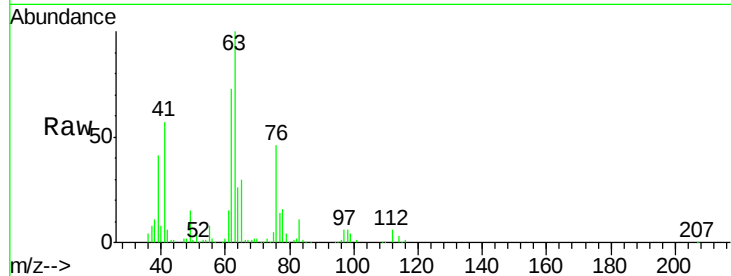
65 29.6 23.7 35.5

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#46

Dibromomethane

Concen: 52.877 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VD066988.D

Acq: 01 Oct 2020 12:47

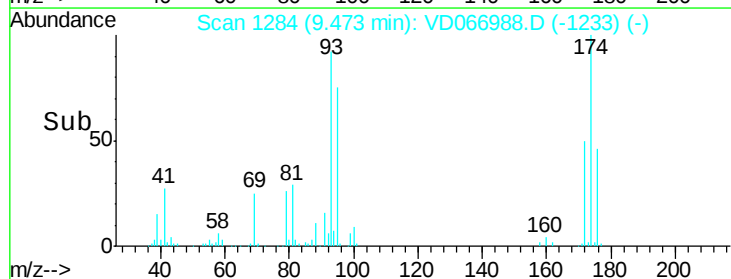
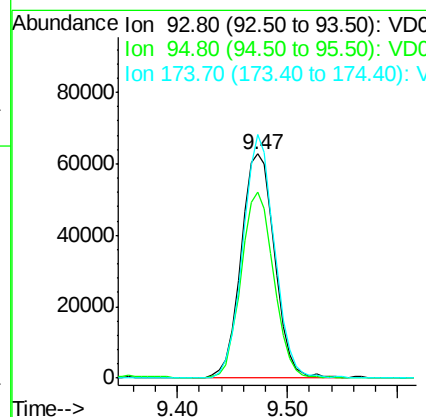
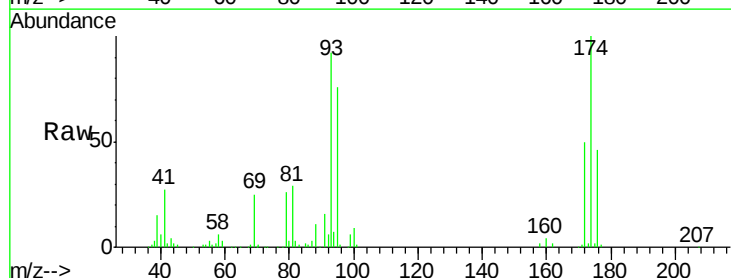
Tgt Ion: 93 Resp: 134456

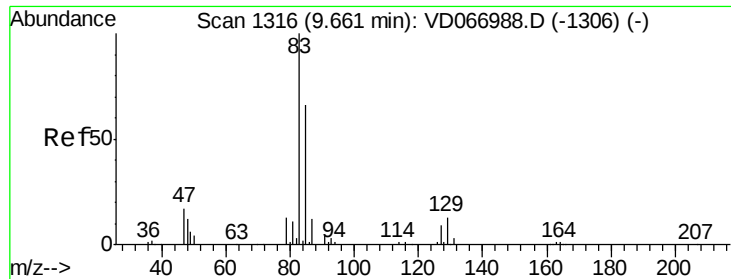
Ion Ratio Lower Upper

93 100

95 80.9 64.7 97.1

174 101.8 81.4 122.2





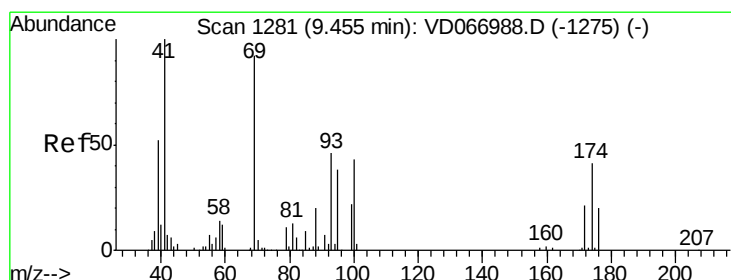
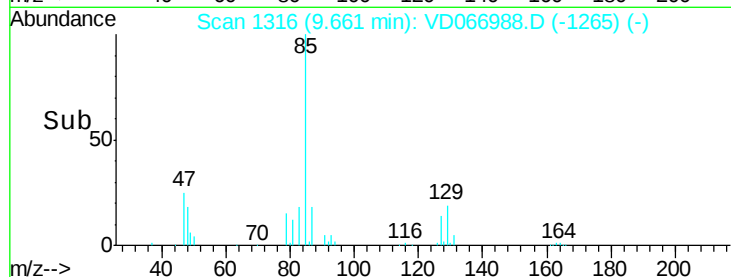
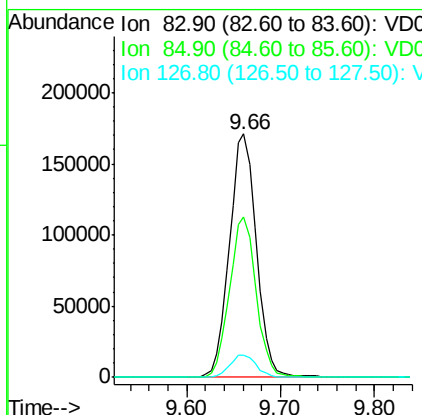
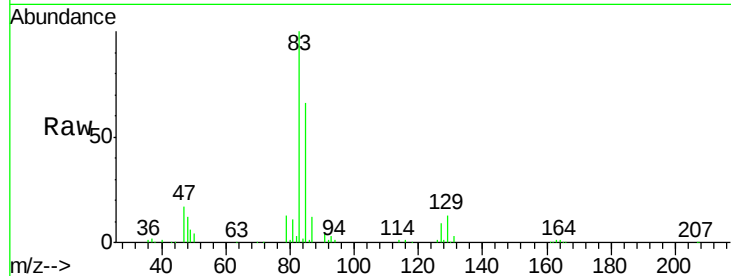
#47
Bromodichloromethane
Concen: 51.523 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VD066988.D
Acq: 01 Oct 2020 12:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	83	Resp	340558
Ion Ratio	100	Lower	Upper
83	100		
85	66.1	52.9	79.3
127	9.1	7.3	10.9

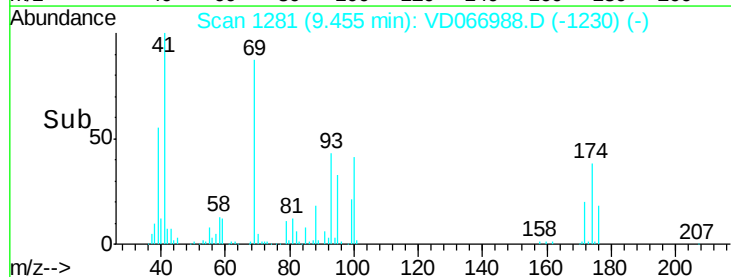
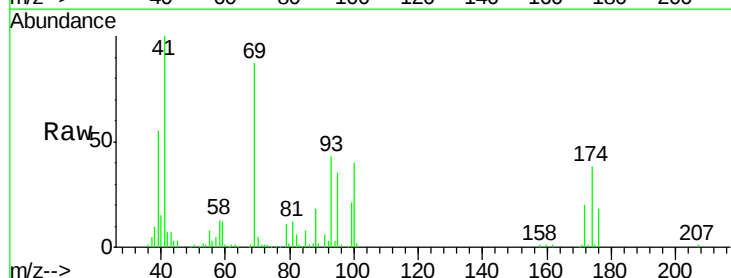
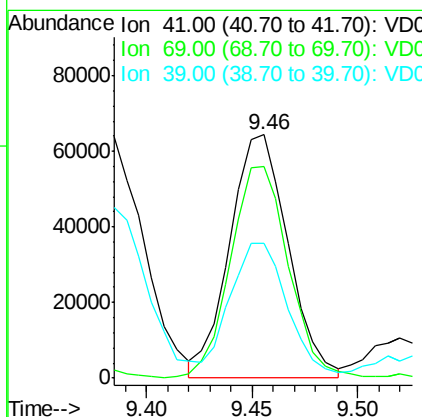
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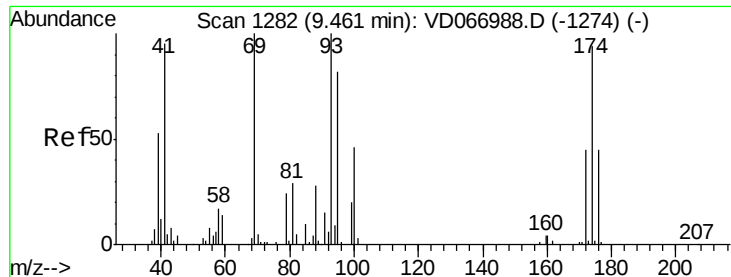
MMDadoda
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#48
Methyl methacrylate
Concen: 55.825 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VD066988.D
Acq: 01 Oct 2020 12:47

Tgt Ion	41	Resp	123735
Ion Ratio	100	Lower	Upper
41	100		
69	85.6	68.5	102.7
39	50.2	40.2	60.2





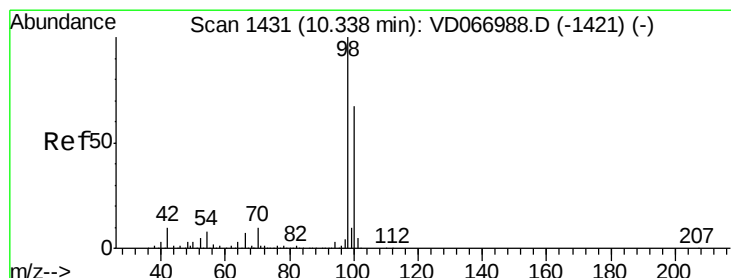
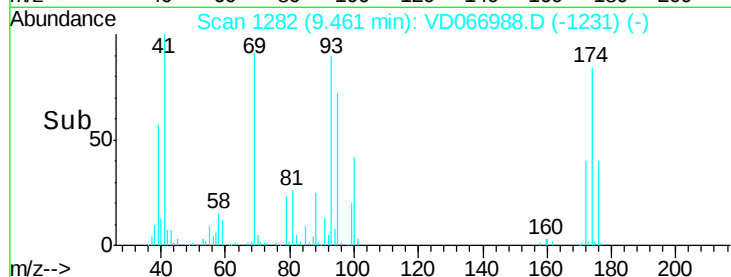
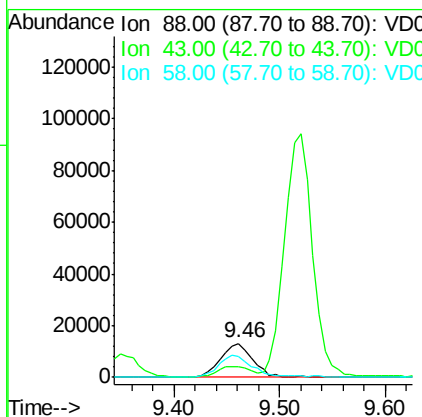
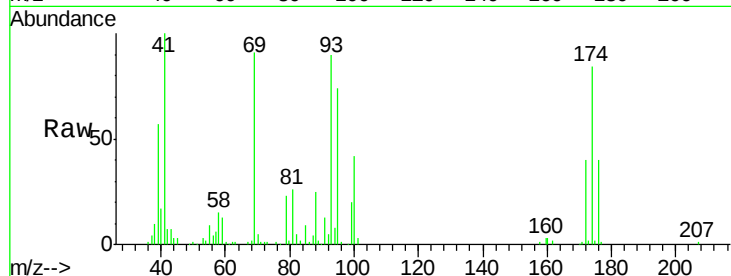
#49
1,4-Dioxane
Concen: 1031.701 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD066988.D
Acq: 01 Oct 2020 12:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.0	25.6	38.4
58	66.9	53.5	80.3

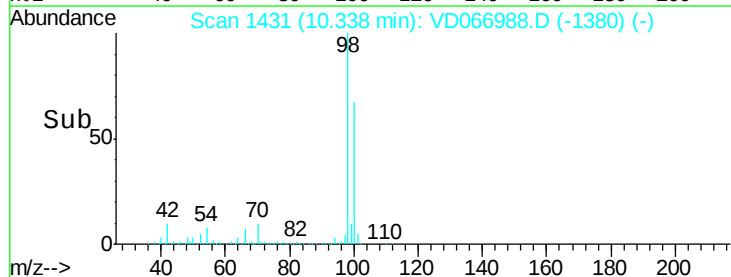
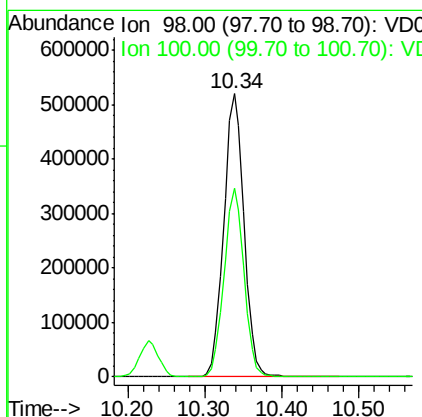
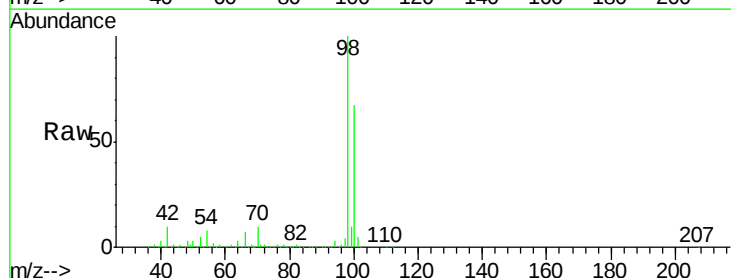
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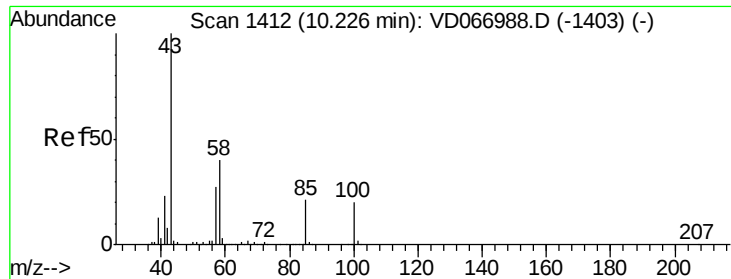
MMDadoda
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#50
Toluene-d8
Concen: 54.836 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066988.D
Acq: 01 Oct 2020 12:47

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.8	79.2





#51

4-Methyl-2-Pentanone

Concen: 271.682 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. 0.00 min

Lab File: VD066988.D

Acq: 01 Oct 2020 12:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 585464

Ion Ratio Lower Upper

43 100

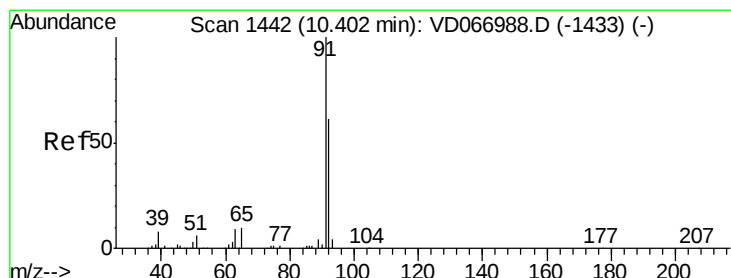
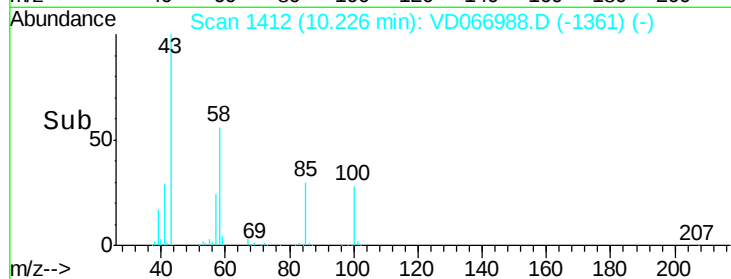
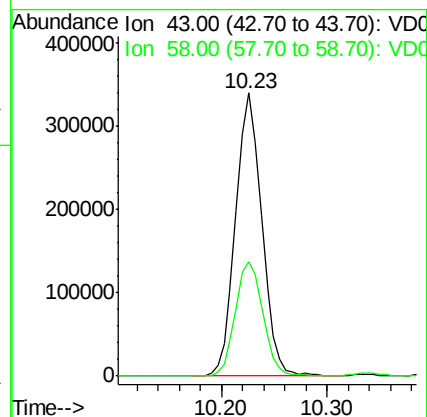
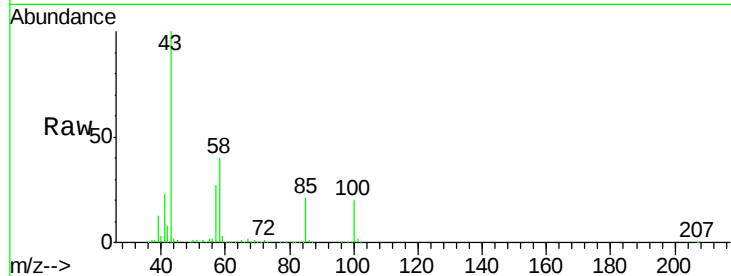
58 42.3 33.8 50.8

Manual Integrations

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#52

Toluene

Concen: 52.906 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD066988.D

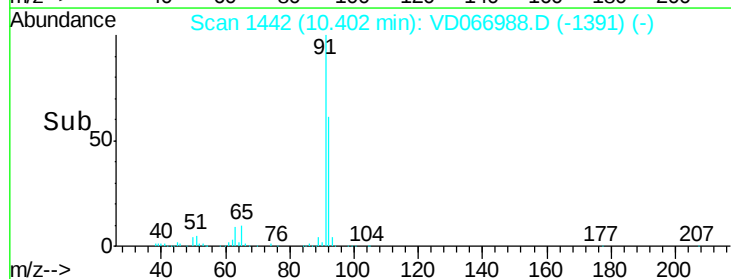
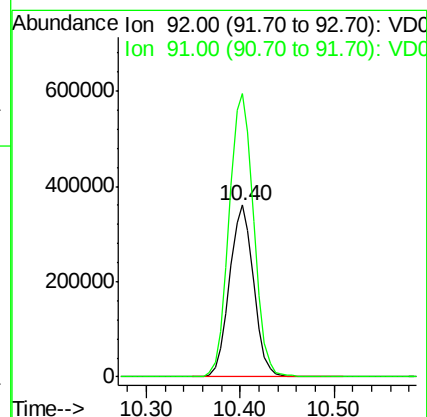
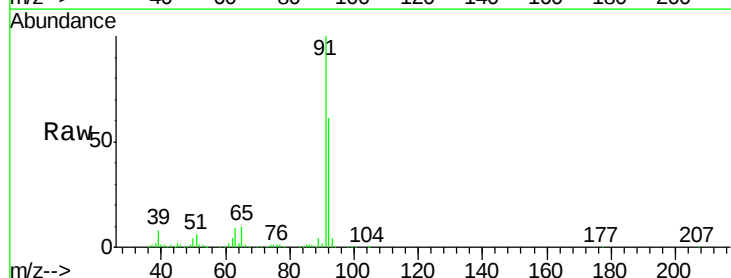
Acq: 01 Oct 2020 12:47

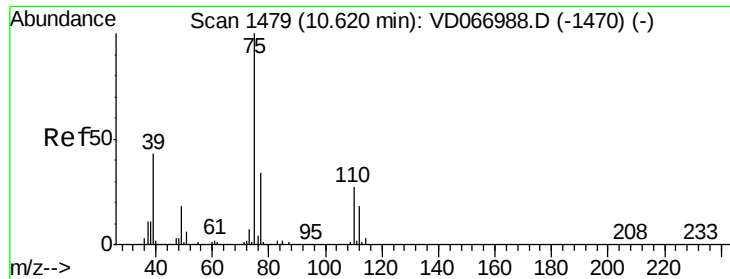
Tgt Ion: 92 Resp: 641711

Ion Ratio Lower Upper

92 100

91 168.9 135.1 202.7





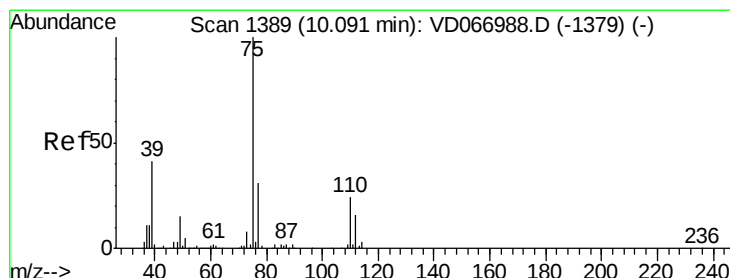
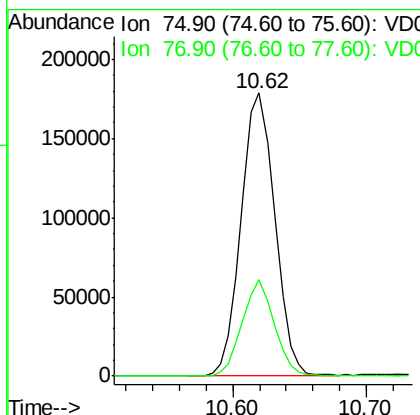
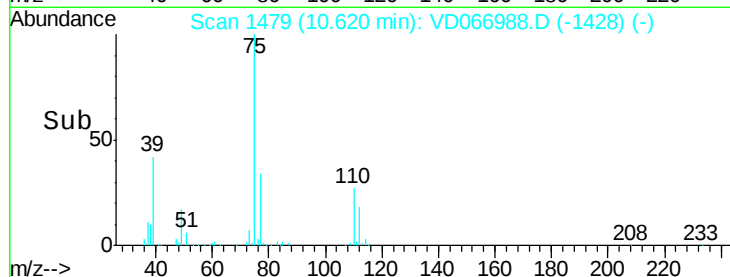
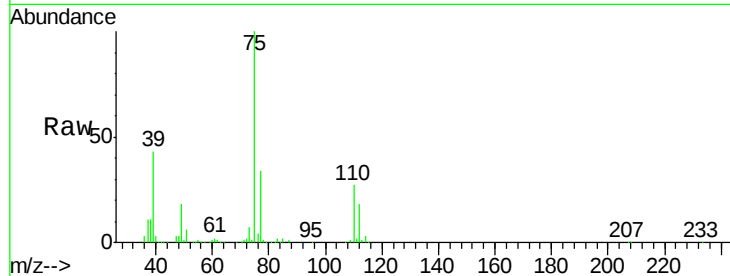
#53
 t-1,3-Dichloropropene
 Concen: 53.128 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. 0.00 min
 Lab File: VD066988.D
 Acq: 01 Oct 2020 12:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion: 75 Resp: 313854
 Ion Ratio Lower Upper
 75 100
 77 33.9 27.1 40.7

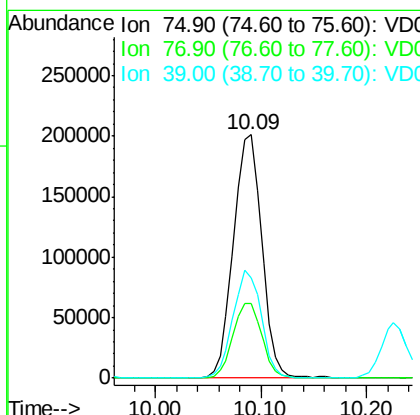
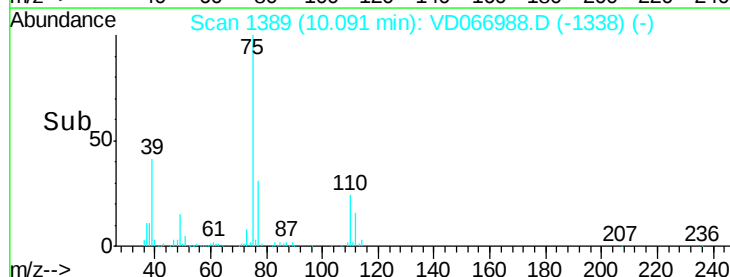
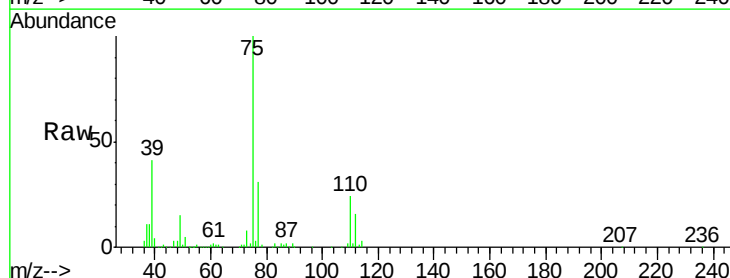
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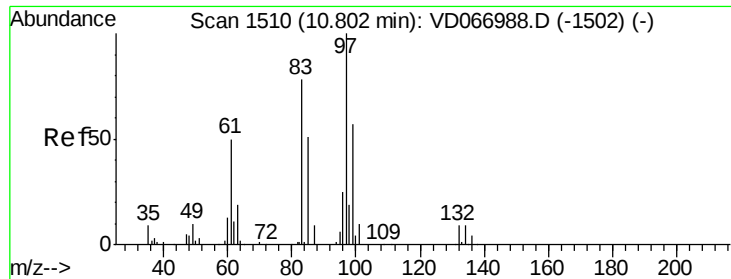
MMDadoda
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#54
 cis-1,3-Dichloropropene
 Concen: 52.009 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. 0.00 min
 Lab File: VD066988.D
 Acq: 01 Oct 2020 12:47

Tgt Ion: 75 Resp: 375175
 Ion Ratio Lower Upper
 75 100
 77 30.8 24.6 37.0
 39 41.2 33.0 49.4





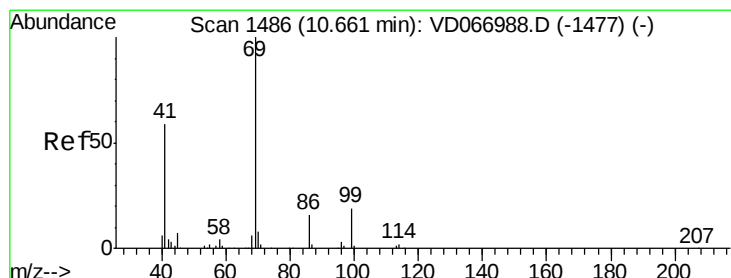
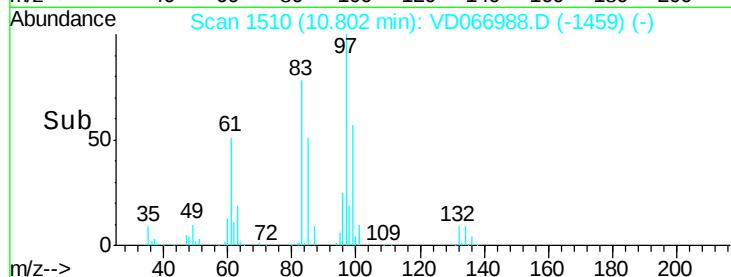
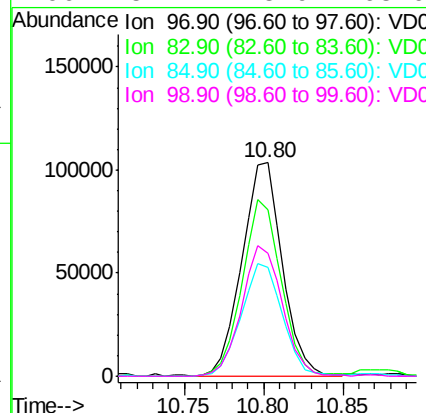
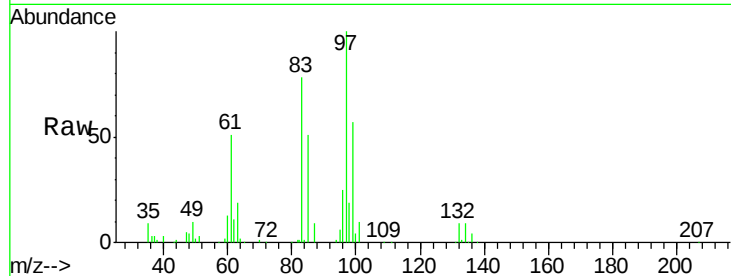
#55
 1,1,2-Trichloroethane
 Concen: 51.885 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD066988.D
 Acq: 01 Oct 2020 12:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		183428		
83	78.0	62.4	93.6		
85	51.2	41.0	61.4		
99	57.4	45.9	68.9		

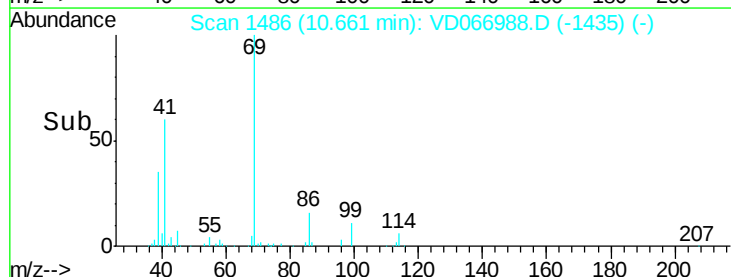
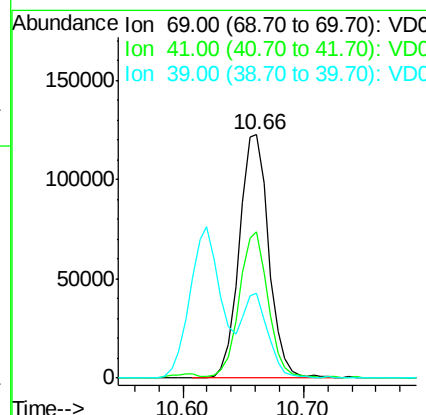
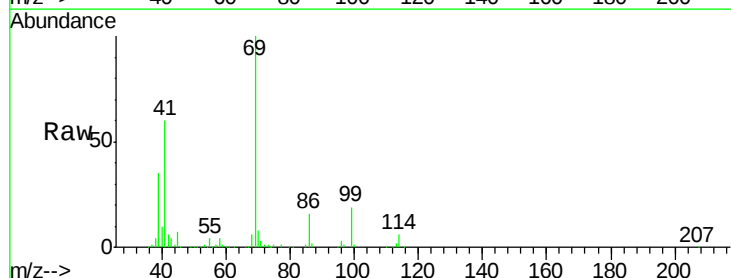
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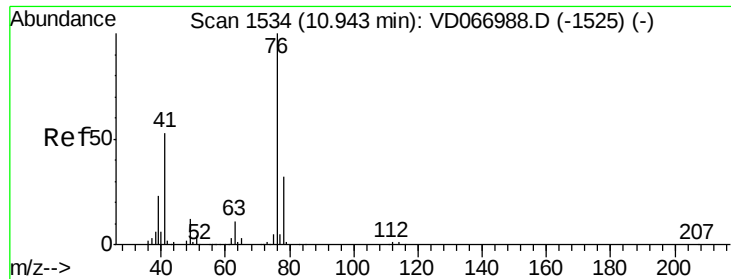
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 10/2/2020 3:13:21 PM



#56
 Ethyl methacrylate
 Concen: 57.389 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD066988.D
 Acq: 01 Oct 2020 12:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		209468		
41	58.0	46.4	69.6		
39	29.7	23.8	35.6		





#57

1,3-Dichloropropane

Concen: 52.456 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. 0.00 min

Lab File: VD066988.D

Acq: 01 Oct 2020 12:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 300723

Ion Ratio Lower Upper

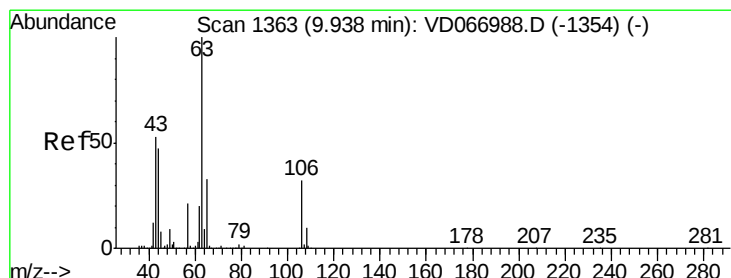
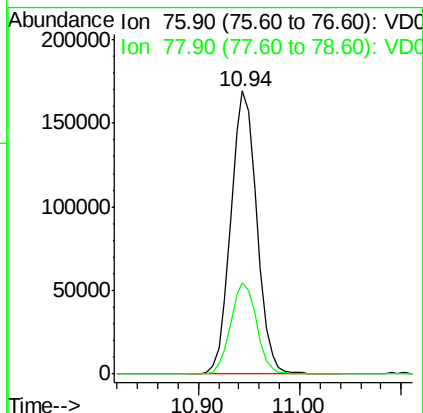
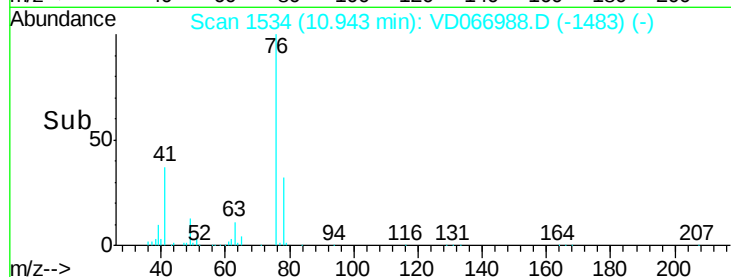
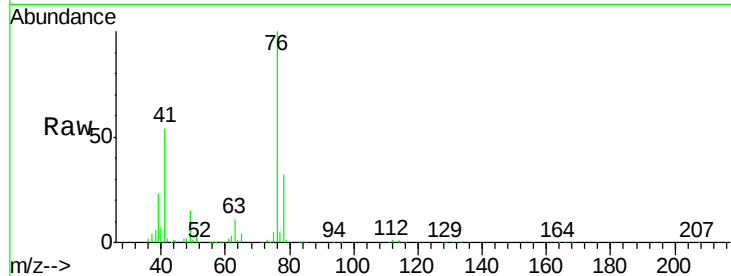
76 100

78 32.3 25.8 38.8

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 277.716 ug/l

RT: 9.94 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VD066988.D

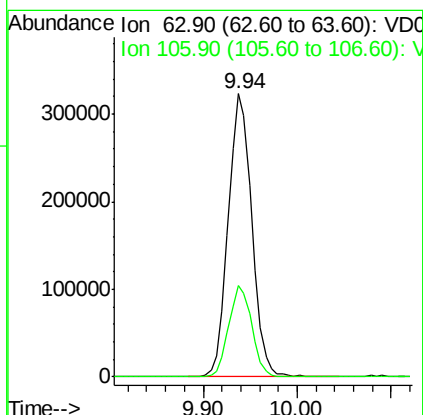
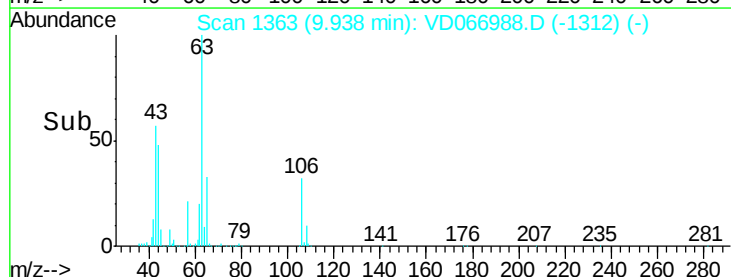
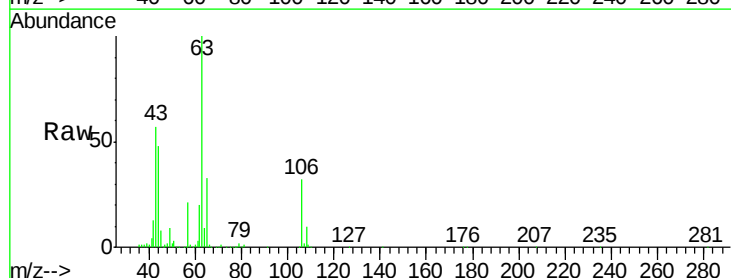
Acq: 01 Oct 2020 12:47

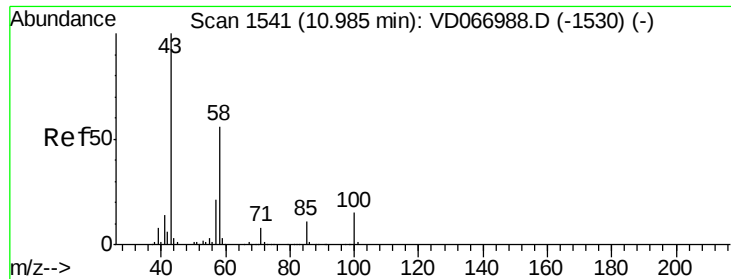
Tgt Ion: 63 Resp: 564179

Ion Ratio Lower Upper

63 100

106 31.6 25.3 37.9





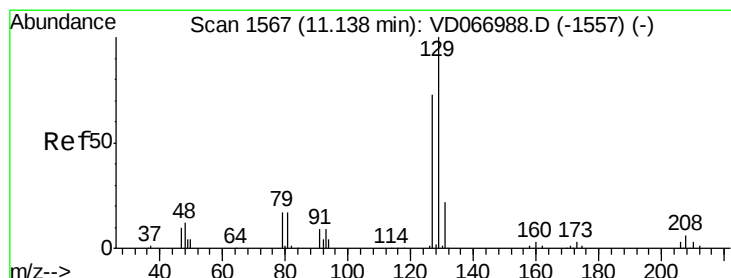
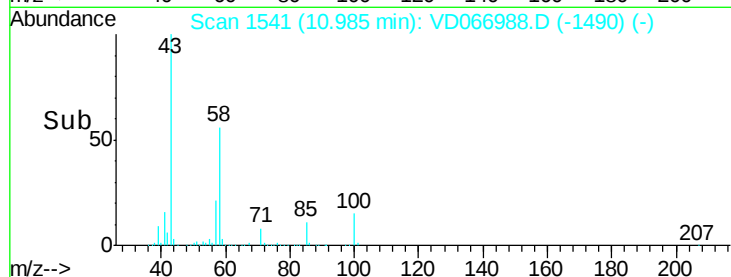
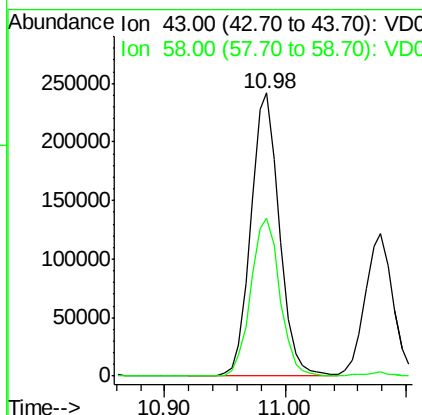
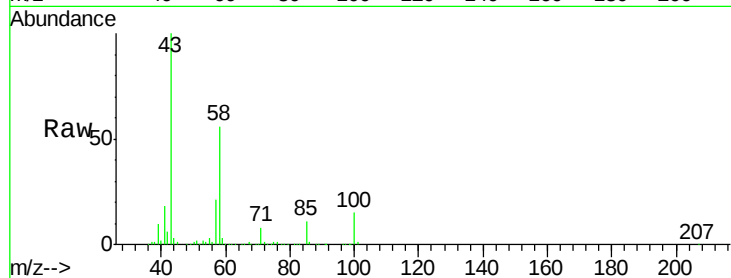
#59
2-Hexanone
Concen: 276.928 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD066988.D
Acq: 01 Oct 2020 12:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 398309
Ion Ratio Lower Upper
43 100
58 56.6 28.3 84.9

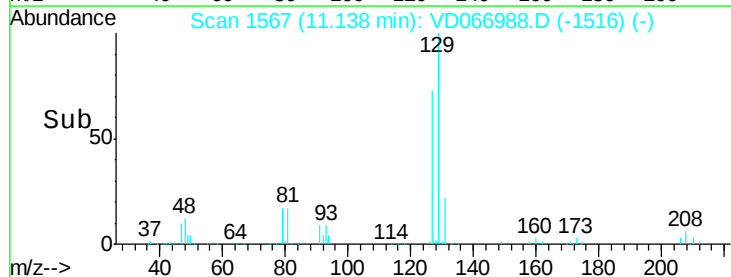
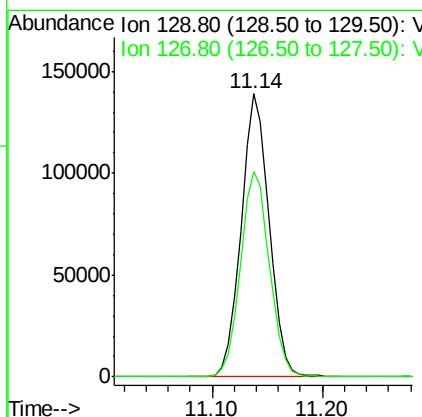
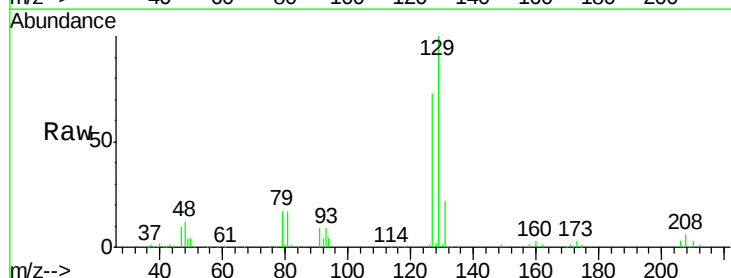
Manual Integrations
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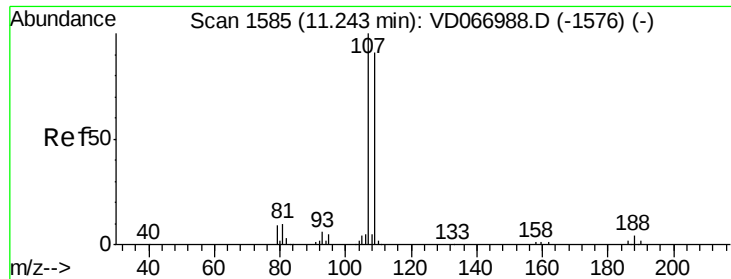
MMDadoda
10/2/2020 3:13:21 PM



#60
Dibromochloromethane
Concen: 52.654 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VD066988.D
Acq: 01 Oct 2020 12:47

Tgt Ion: 129 Resp: 248099
Ion Ratio Lower Upper
129 100
127 74.7 37.4 112.1





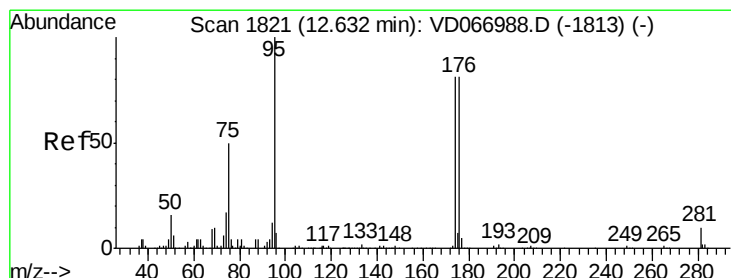
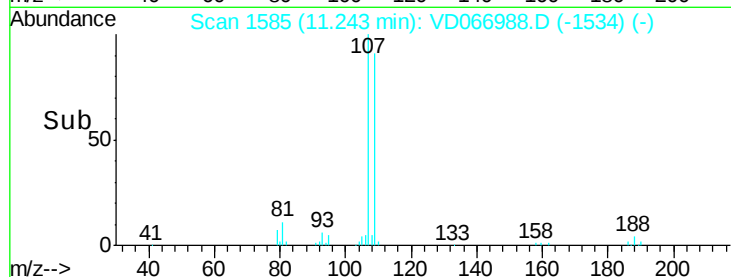
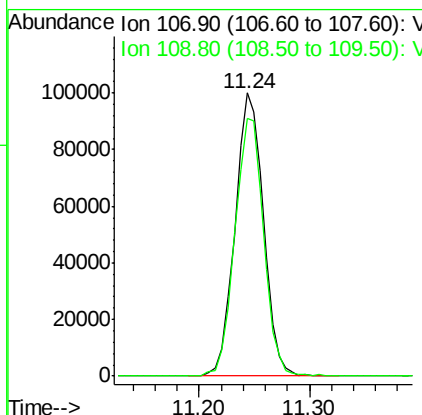
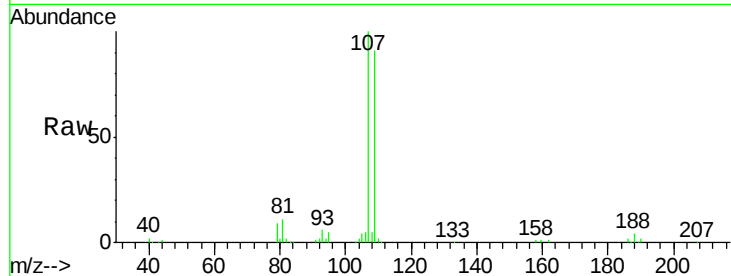
#61
 1,2-Dibromoethane
 Concen: 53.208 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: VD066988.D
 Acq: 01 Oct 2020 12:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	180716		
109	92.5	74.0	111.0	

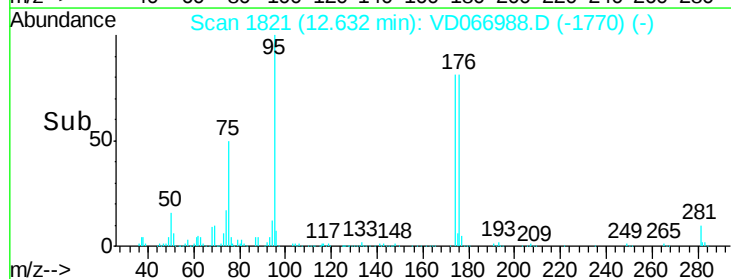
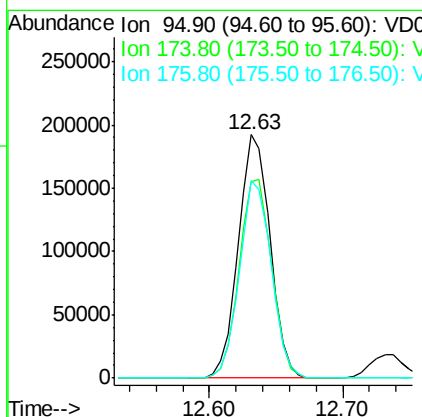
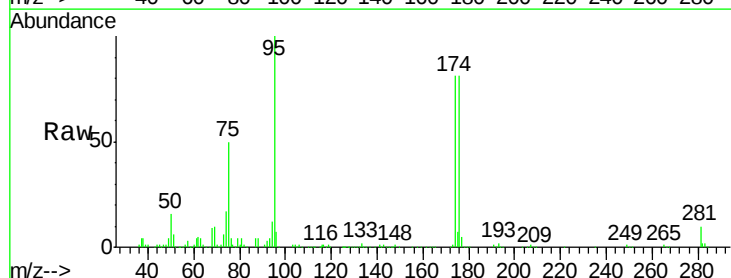
Manual Integrations
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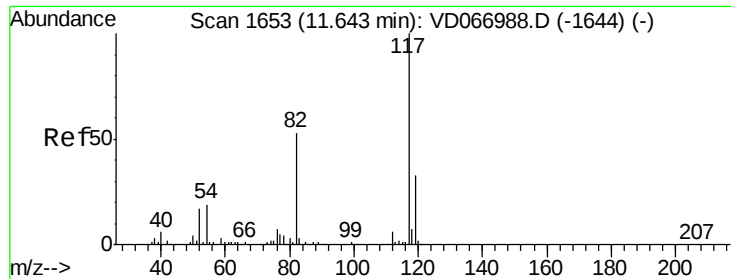
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 53.650 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.00 min
 Lab File: VD066988.D
 Acq: 01 Oct 2020 12:47

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	315991		
174	83.8	0.0	167.6	
176	81.2	0.0	162.4	





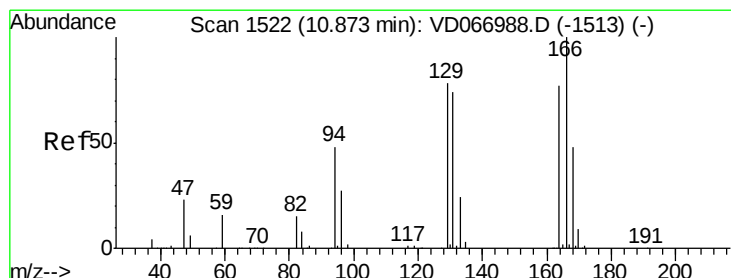
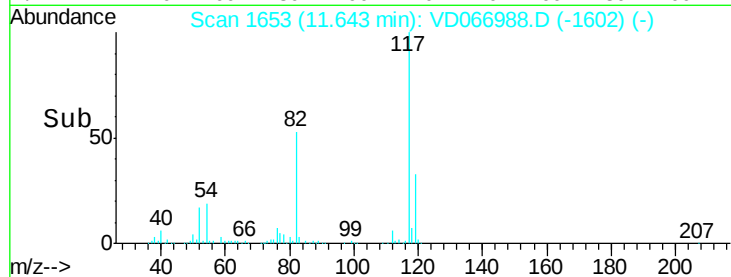
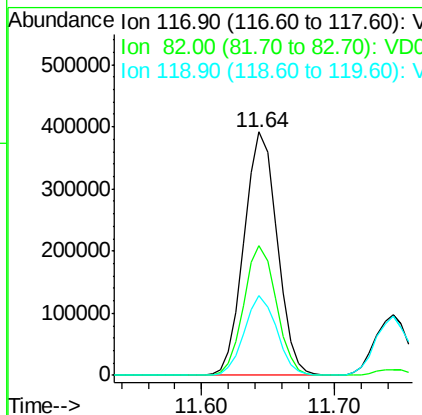
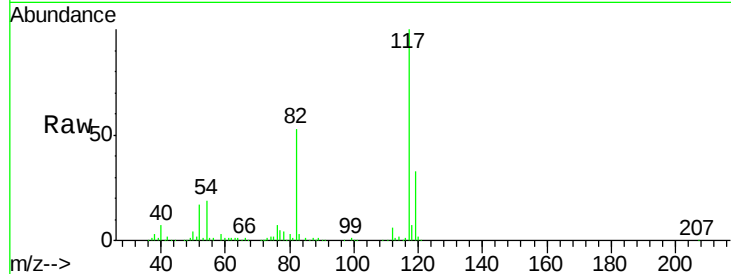
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066988.D
Acq: 01 Oct 2020 12:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	671897		
82	53.2		42.6	63.8
119	32.9		26.3	39.5

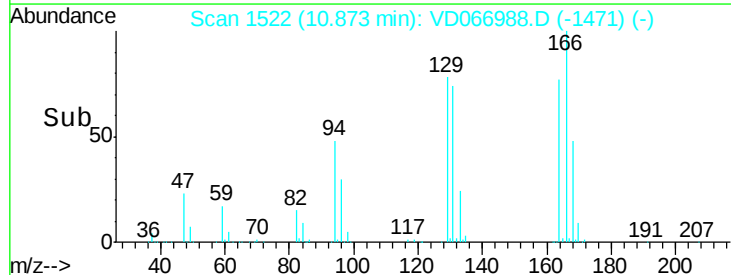
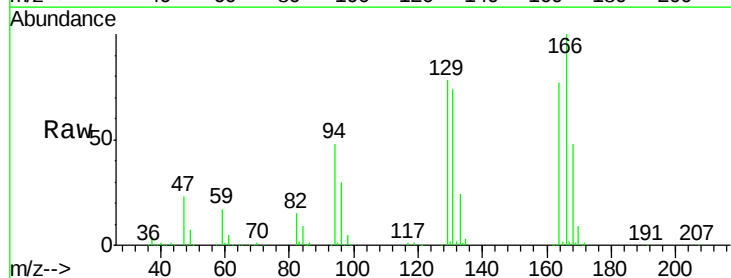
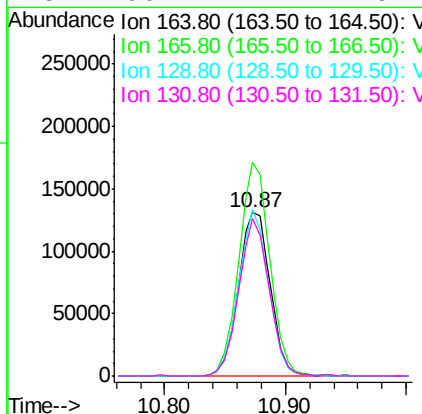
Manual Integrations
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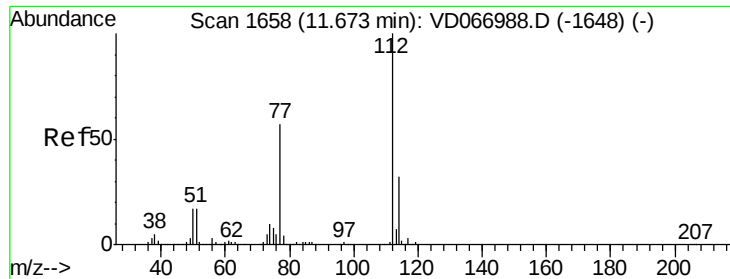
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#64
Tetrachloroethene
Concen: 49.447 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066988.D
Acq: 01 Oct 2020 12:47

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	241533		
166	130.5		104.4	156.6
129	101.6		81.3	121.9
131	96.4		77.1	115.7





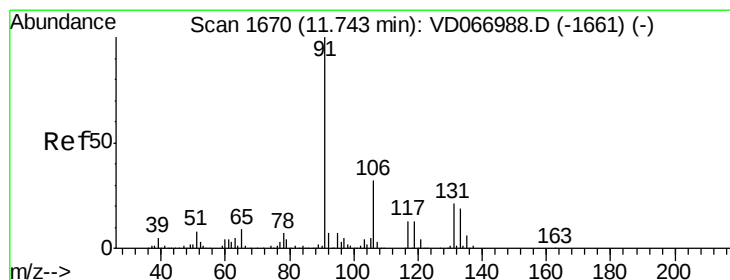
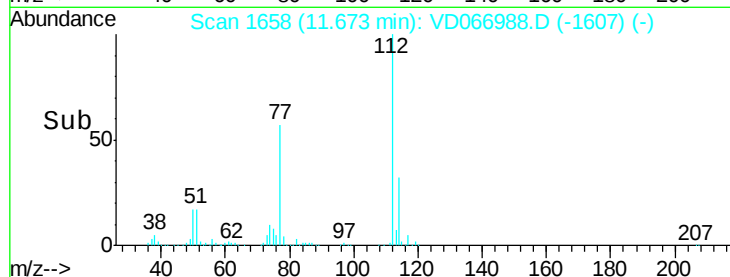
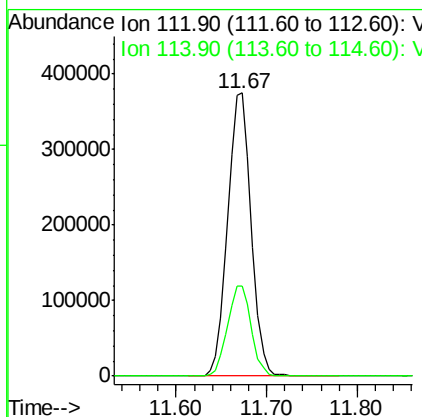
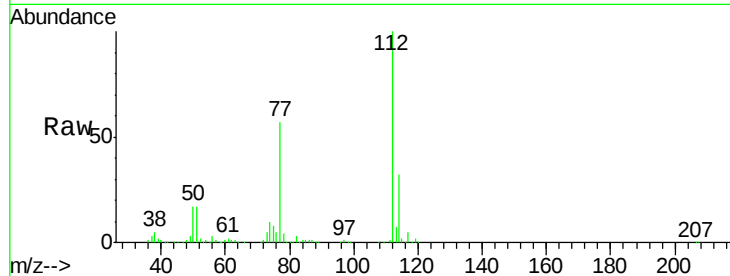
#65
Chlorobenzene
Concen: 50.397 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD066988.D
Acq: 01 Oct 2020 12:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion:112 Resp: 673465
Ion Ratio Lower Upper
112 100
114 31.7 25.4 38.0

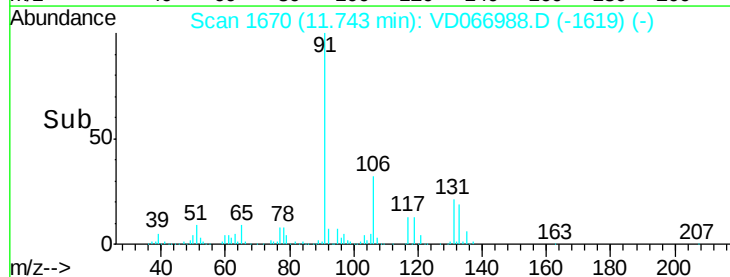
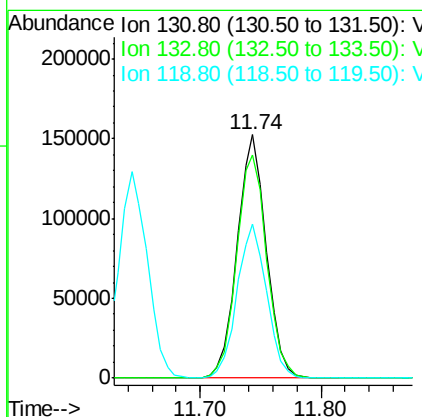
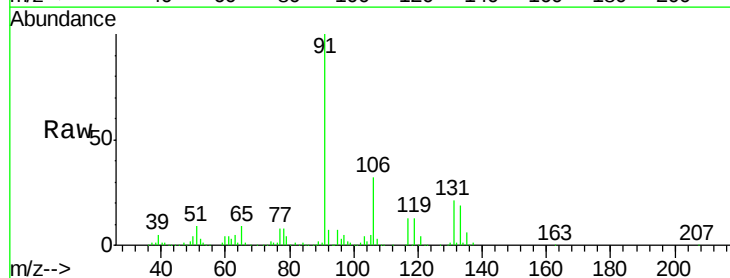
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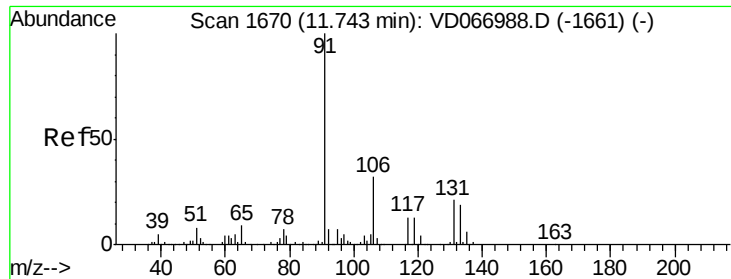
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.322 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066988.D
Acq: 01 Oct 2020 12:47

Tgt Ion:131 Resp: 255796
Ion Ratio Lower Upper
131 100
133 95.5 47.8 143.3
119 64.5 32.3 96.8





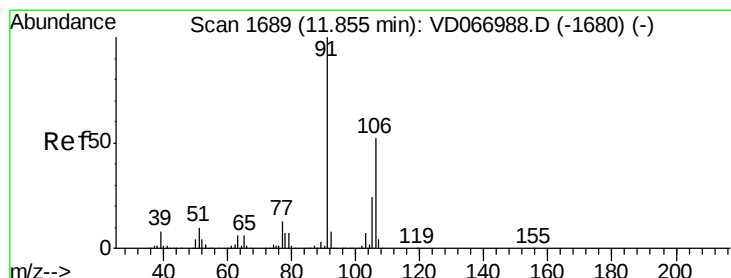
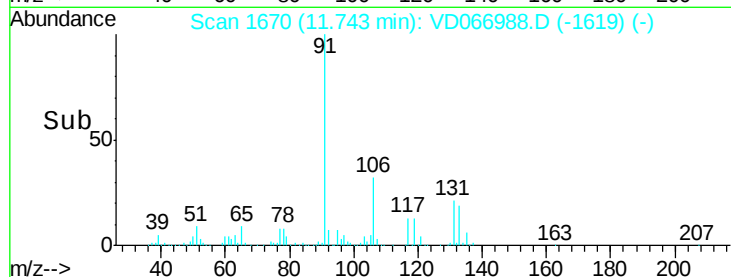
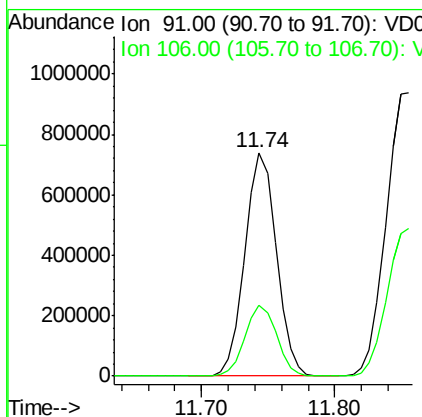
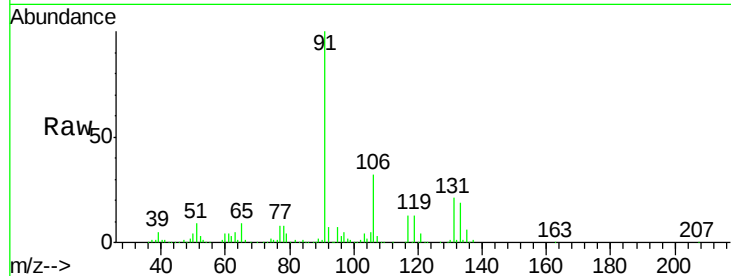
#67
Ethyl Benzene
Concen: 52.580 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066988.D
Acq: 01 Oct 2020 12:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 1203885
Ion Ratio Lower Upper
91 100
106 31.8 25.4 38.2

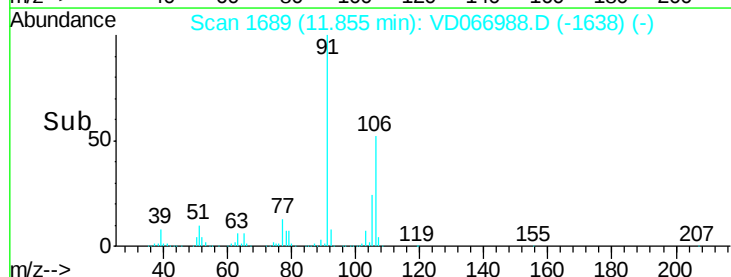
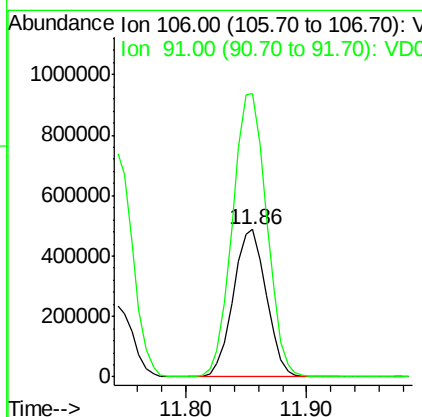
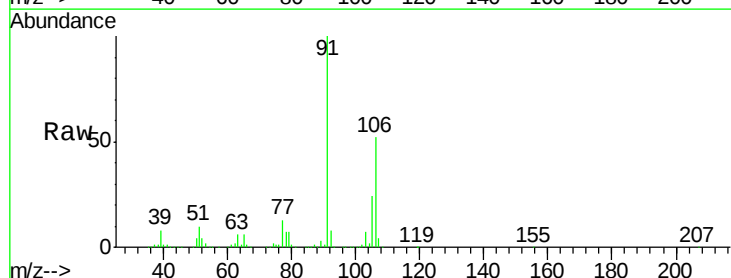
Manual Integrations
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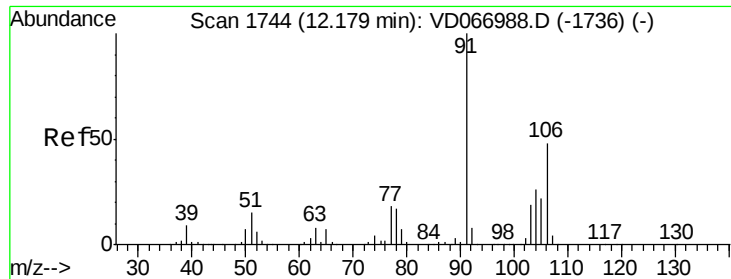
MMDadoda
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#68
m/p-Xylenes
Concen: 104.645 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD066988.D
Acq: 01 Oct 2020 12:47

Tgt Ion: 106 Resp: 933759
Ion Ratio Lower Upper
106 100
91 198.0 158.4 237.6





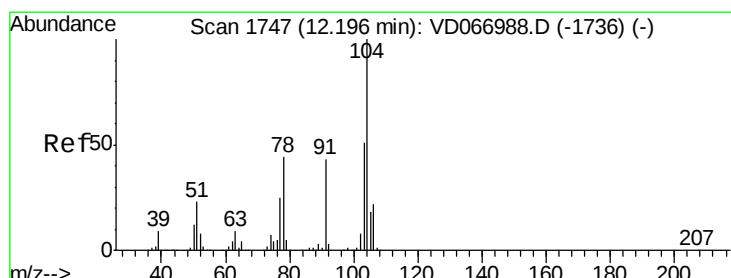
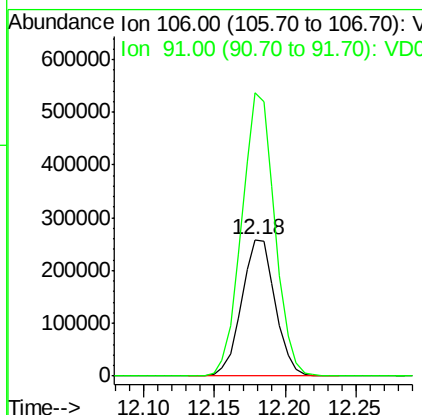
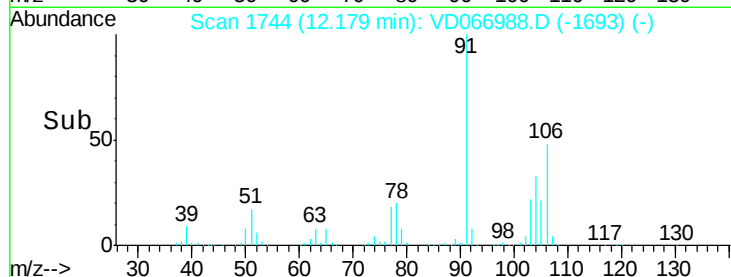
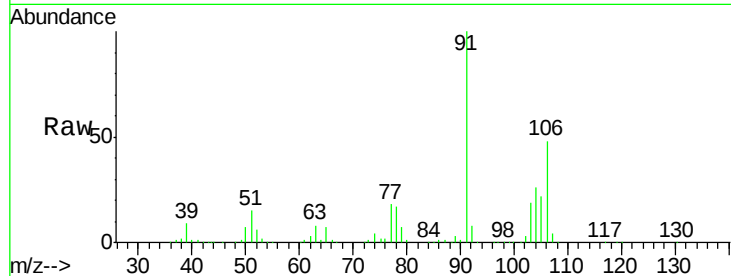
#69
o-Xylene
Concen: 53.835 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066988.D
Acq: 01 Oct 2020 12:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion:106 Resp: 429577
Ion Ratio Lower Upper
106 100
91 204.8 102.4 307.2

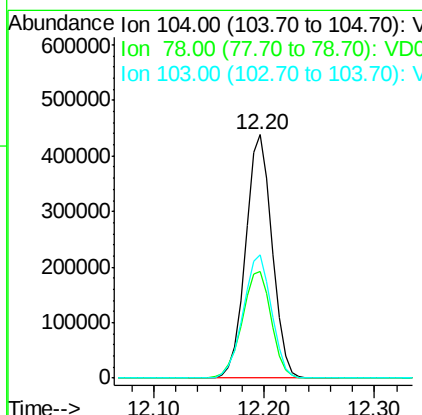
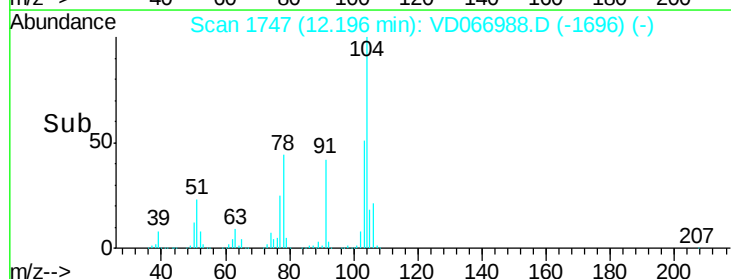
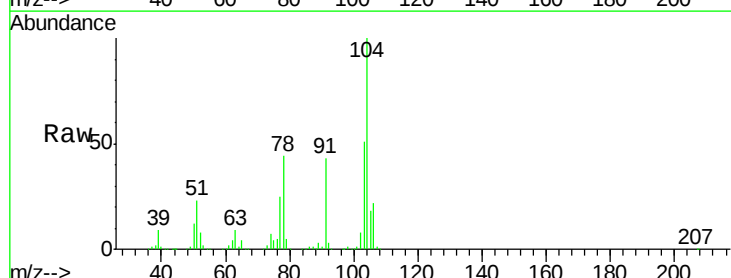
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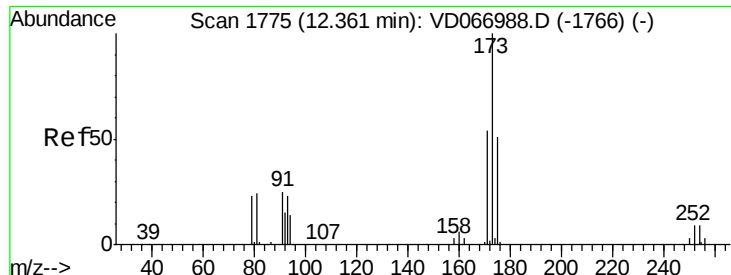
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#70
Styrene
Concen: 53.905 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD066988.D
Acq: 01 Oct 2020 12:47

Tgt Ion:104 Resp: 738604
Ion Ratio Lower Upper
104 100
78 48.3 38.6 58.0
103 54.2 43.4 65.0





#71

Bromoform

Concen: 51.030 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD066988.D

Acq: 01 Oct 2020 12:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion:173 Resp: 134648

Ion Ratio Lower Upper

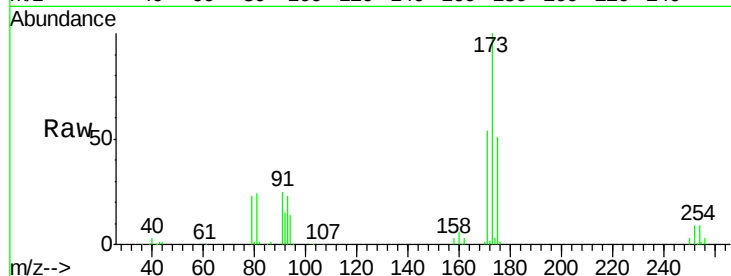
173 100

175 49.8 24.9 74.7

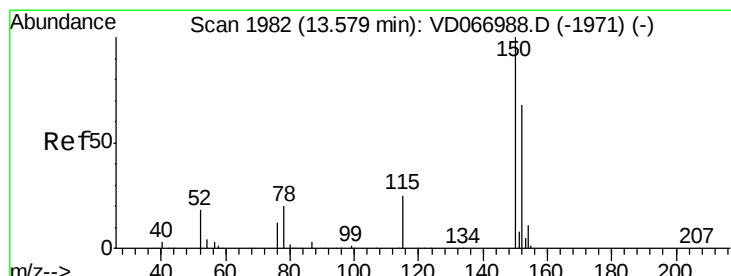
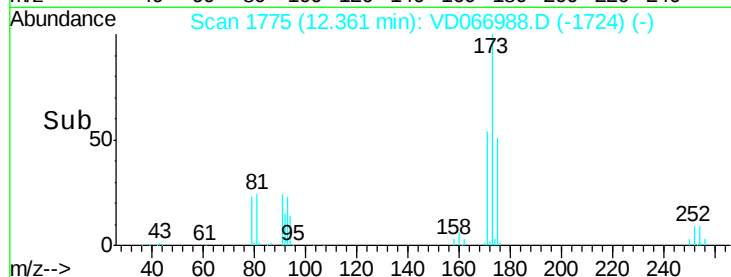
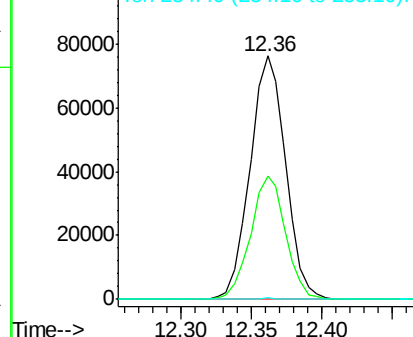
254 0.3 0.2 0.4

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD066988.D

Acq: 01 Oct 2020 12:47

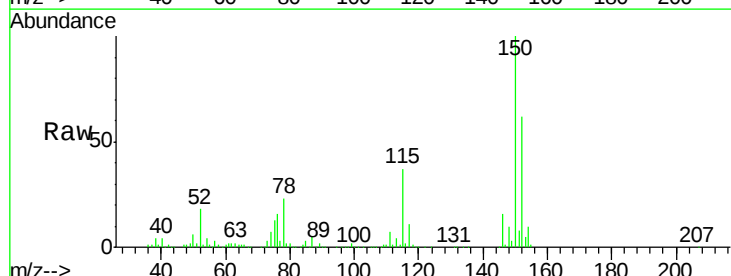
Tgt Ion:152 Resp: 321808

Ion Ratio Lower Upper

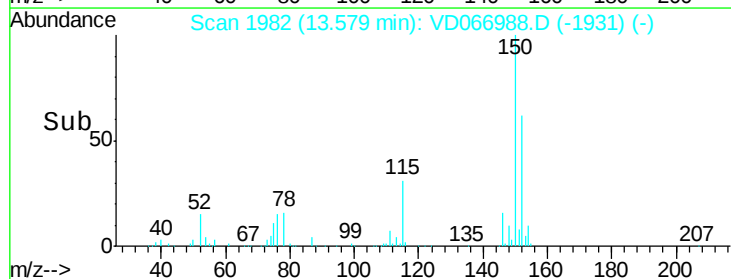
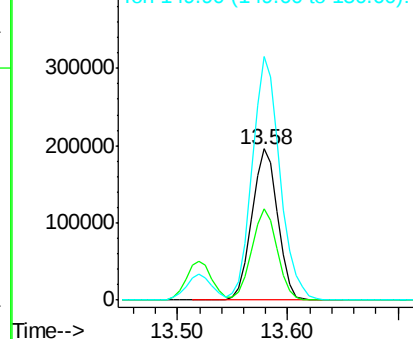
152 100

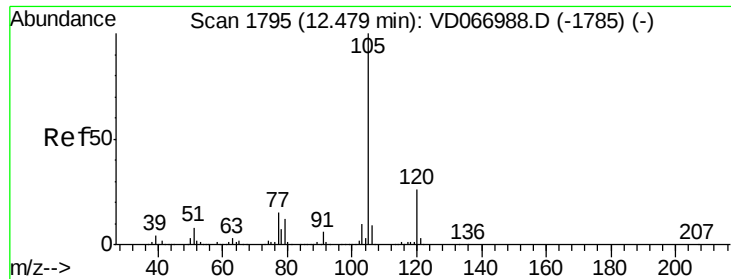
115 59.2 29.6 88.8

150 172.4 0.0 344.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 53.817 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VD066988.D

Acq: 01 Oct 2020 12:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 1175978

Ion Ratio Lower Upper

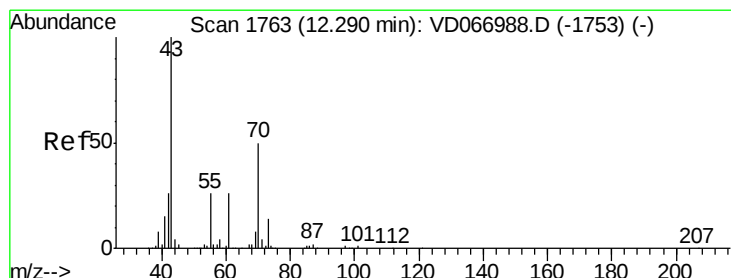
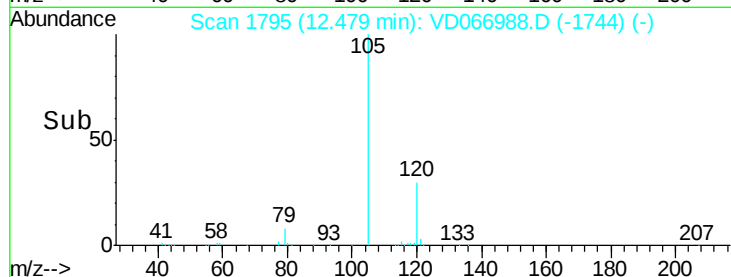
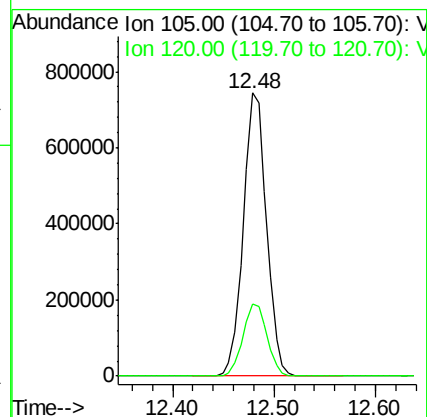
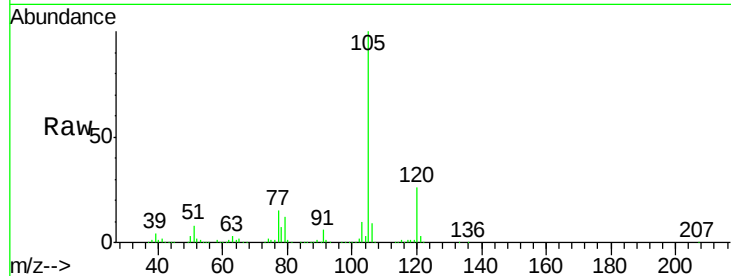
105 100

120 26.6 13.3 39.9

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#74

N-ethyl acetate

Concen: 53.120 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD066988.D

Acq: 01 Oct 2020 12:47

Tgt Ion: 43 Resp: 208660

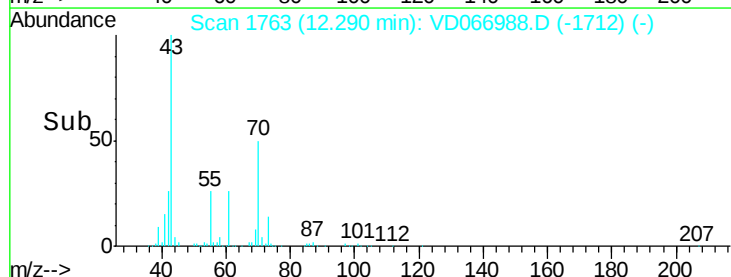
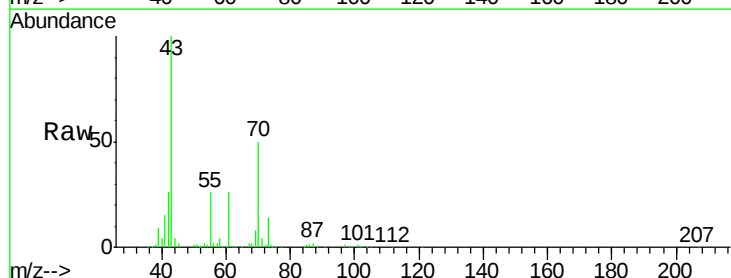
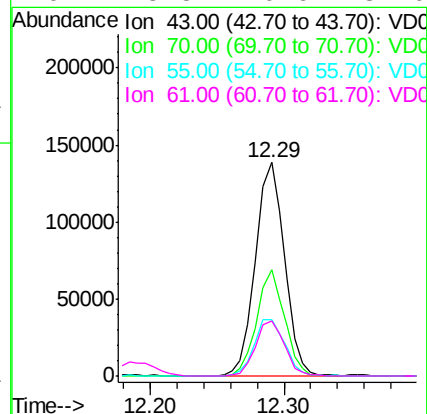
Ion Ratio Lower Upper

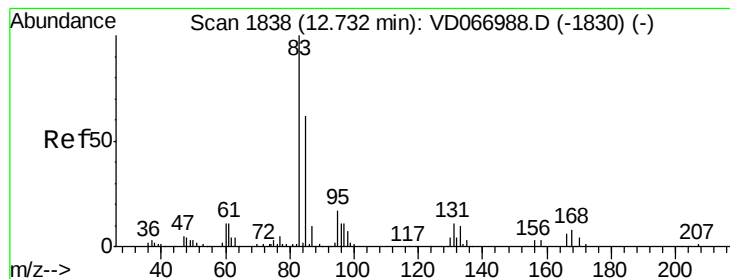
43 100

70 47.7 38.2 57.2

55 28.0 22.4 33.6

61 25.8 20.6 31.0





#75

1,1,2,2-Tetrachloroethane

Concen: 51.067 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD066988.D

Acq: 01 Oct 2020 12:47

Instrument :

MSVOA_D

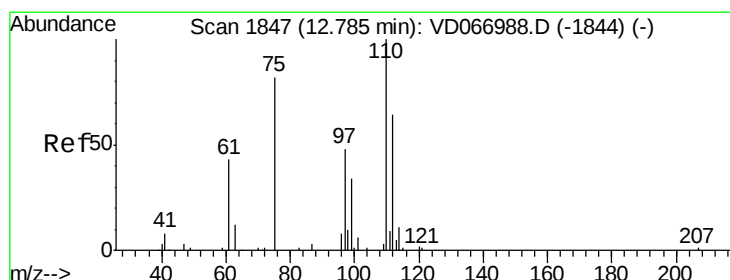
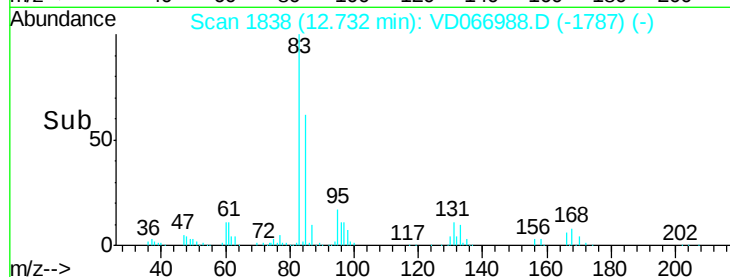
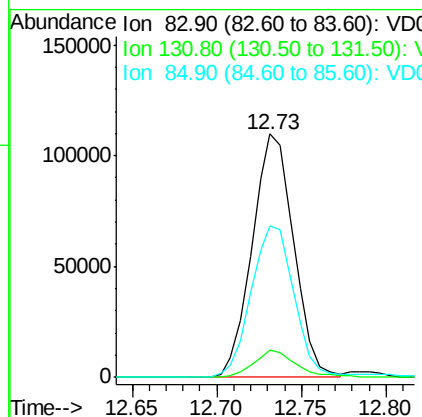
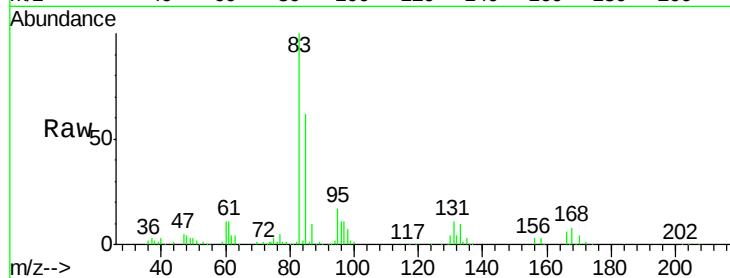
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	188009
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.7	17.0
85	64.1	32.0	96.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 53.800 ug/l m

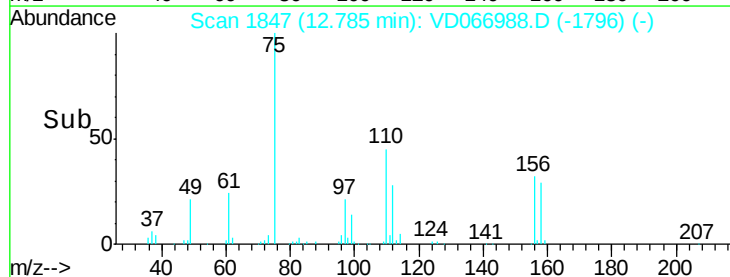
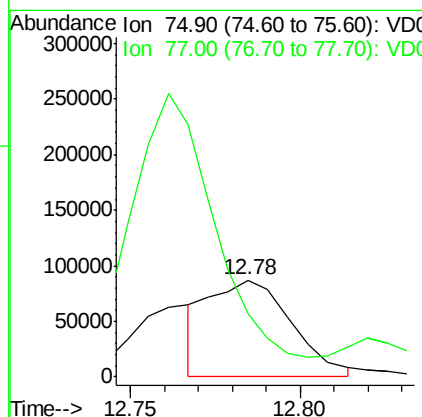
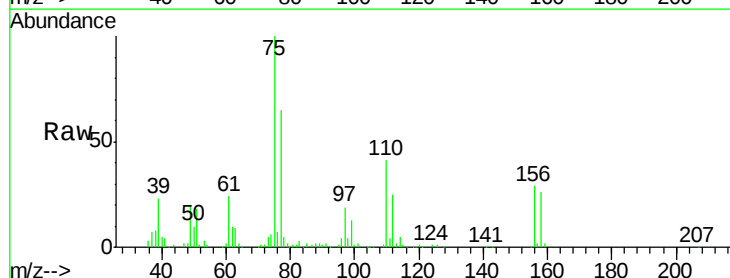
RT: 12.78 min Scan# 1847

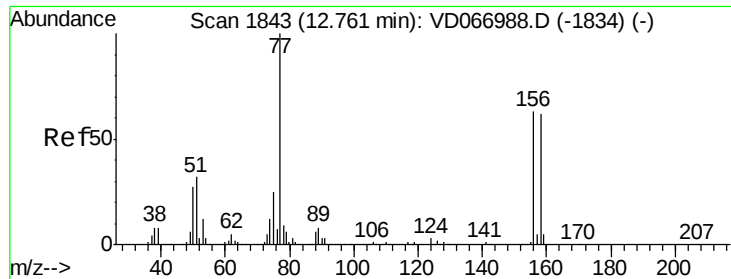
Delta R.T. 0.00 min

Lab File: VD066988.D

Acq: 01 Oct 2020 12:47

Tgt Ion:	75	Resp:	147572
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 50.879 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD066988.D

Acq: 01 Oct 2020 12:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion:156 Resp: 268453

Ion Ratio Lower Upper

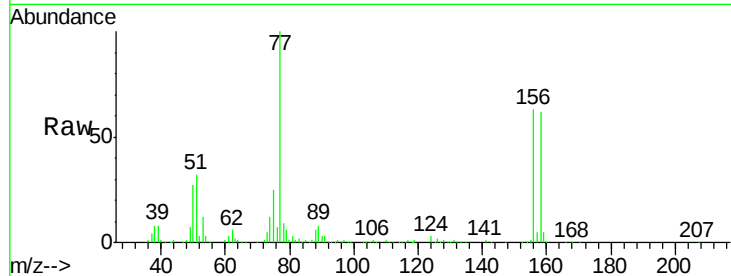
156 100

77 172.5 86.3 258.8

158 98.9 49.5 148.3

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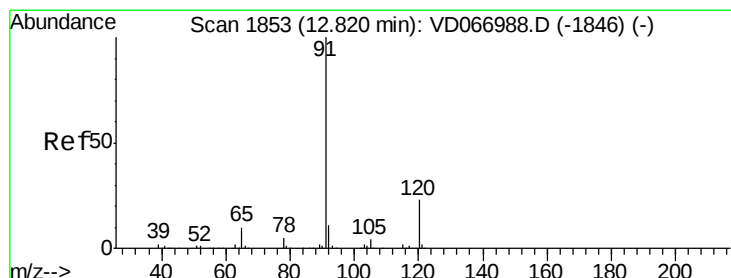
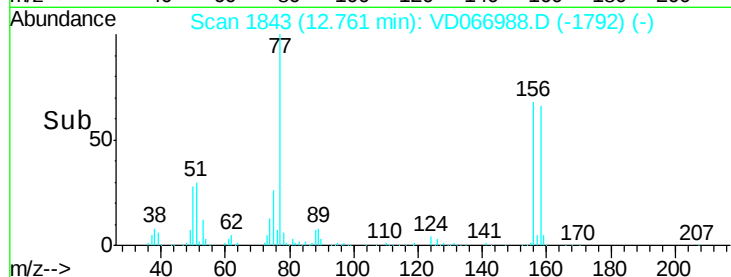
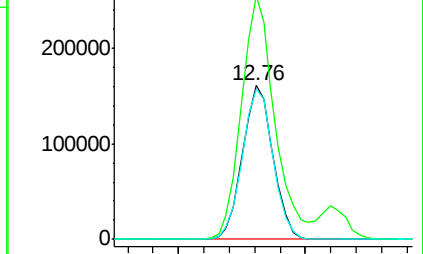
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.729 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VD066988.D

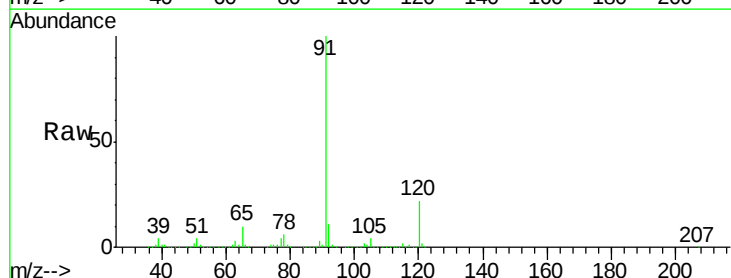
Acq: 01 Oct 2020 12:47

Tgt Ion: 91 Resp: 1387521

Ion Ratio Lower Upper

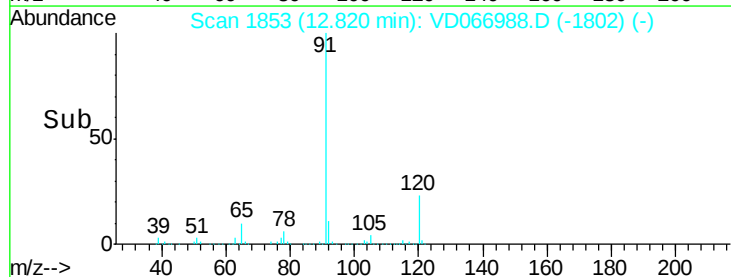
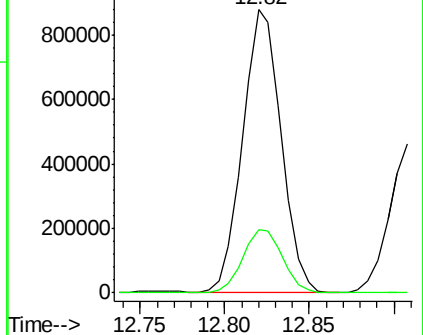
91 100

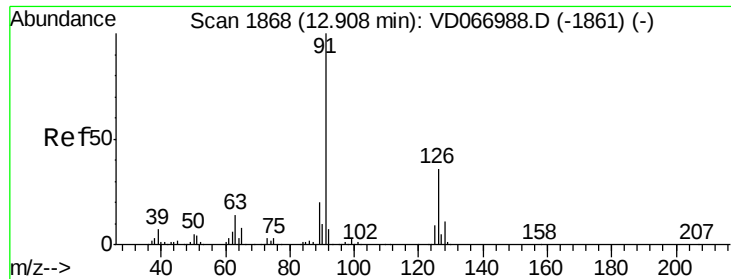
120 23.2 11.6 34.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





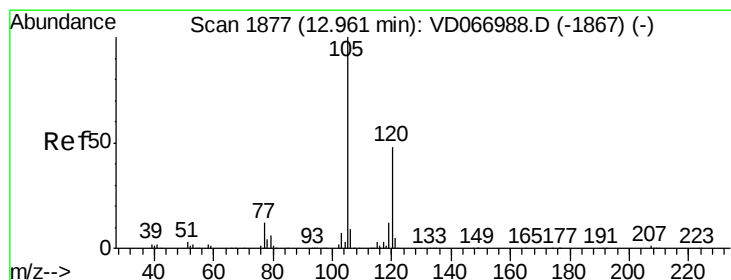
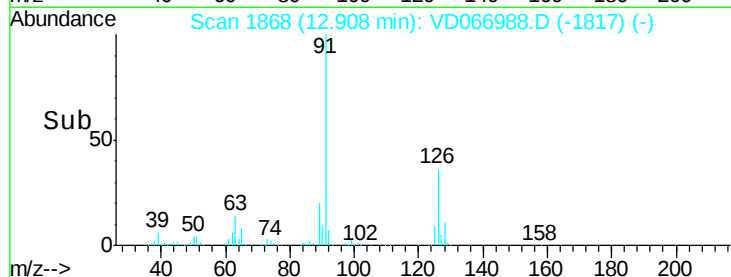
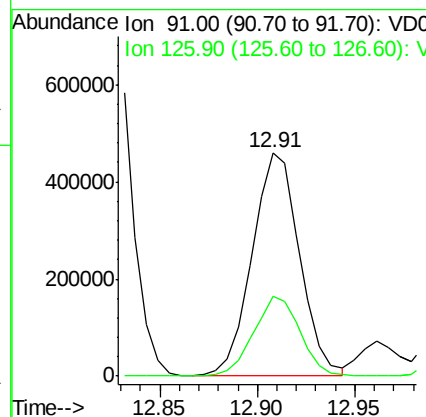
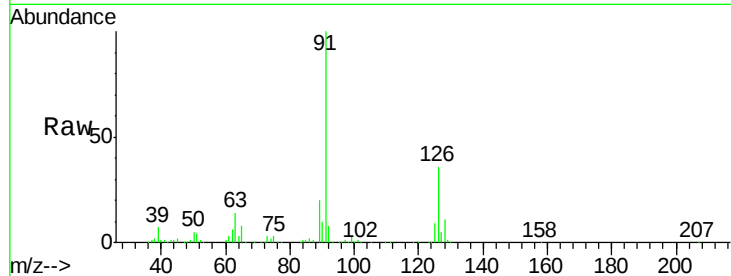
#79
2-Chlorotoluene
Concen: 52.248 ug/l
RT: 12.91 min Scan# 1868
Delta R.T. 0.00 min
Lab File: VD066988.D
Acq: 01 Oct 2020 12:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 771975
Ion Ratio Lower Upper
91 100
126 35.1 17.5 52.6

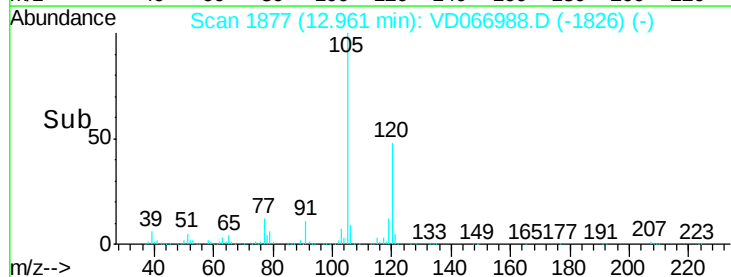
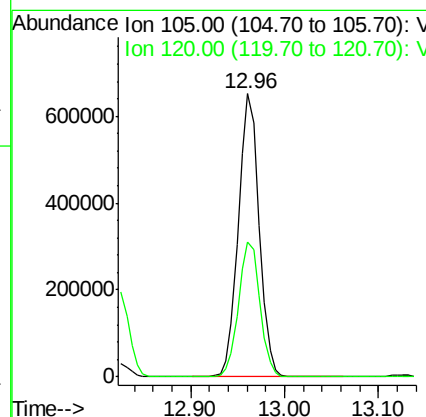
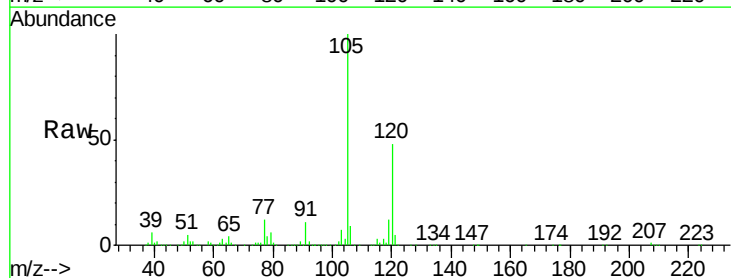
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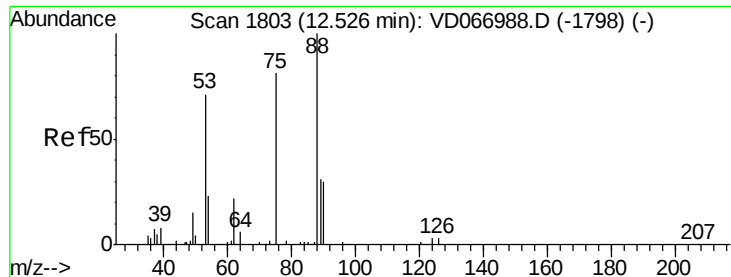
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 54.146 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VD066988.D
Acq: 01 Oct 2020 12:47

Tgt Ion: 105 Resp: 999620
Ion Ratio Lower Upper
105 100
120 49.3 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 52.049 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VD066988.D

Acq: 01 Oct 2020 12:47

Instrument :

MSVOA_D

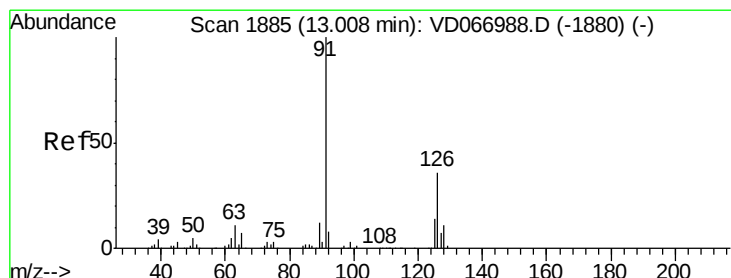
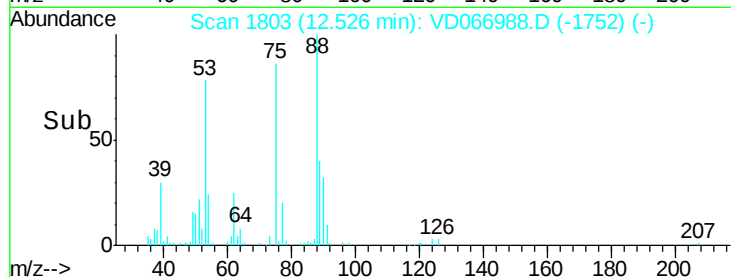
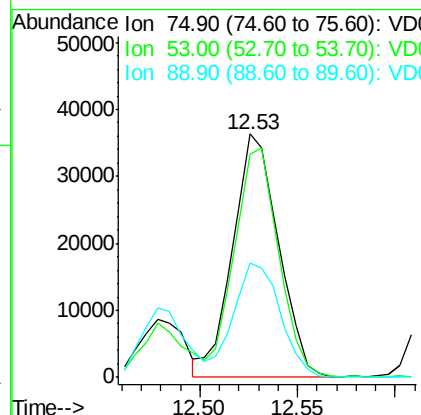
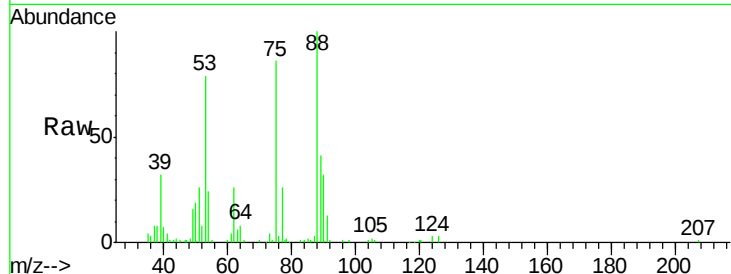
ClientSampleId :

VSTDICCC050

Tot Ion:	75	Resp:	58519
Ion	Ratio	Lower	Upper
75	100		
53	92.2	73.8	110.6
89	48.6	38.9	58.3

Manual Integrations
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#82

4-Chlorotoluene

Concen: 51.632 ug/l

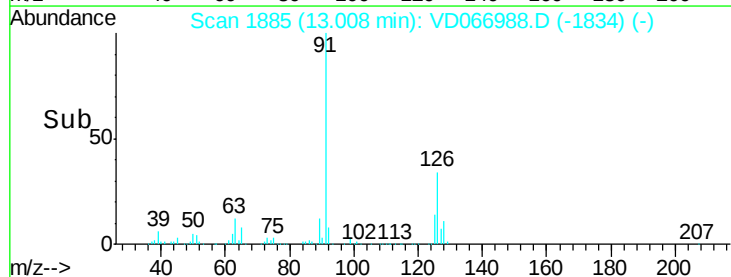
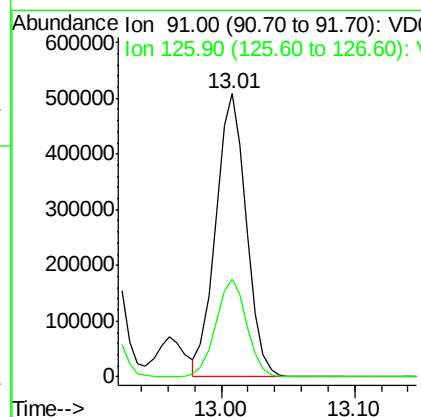
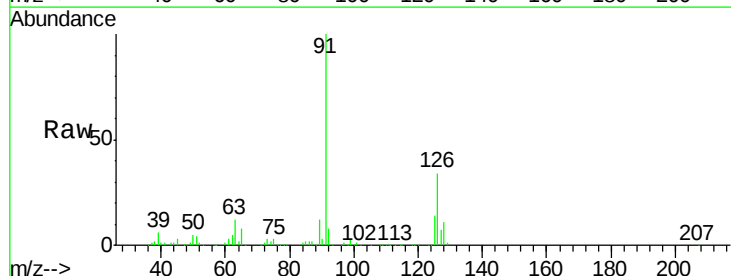
RT: 13.01 min Scan# 1885

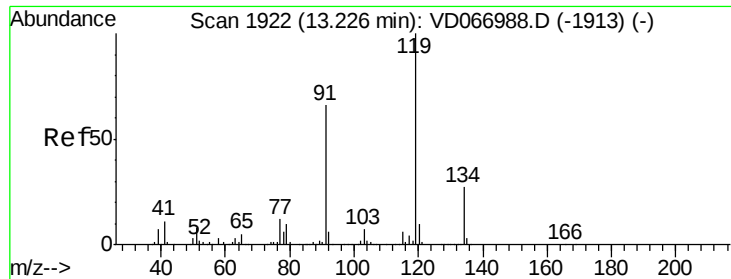
Delta R.T. 0.00 min

Lab File: VD066988.D

Acq: 01 Oct 2020 12:47

Tgt Ion:	91	Resp:	811658
Ion	Ratio	Lower	Upper
91	100		
126	35.0	17.5	52.5





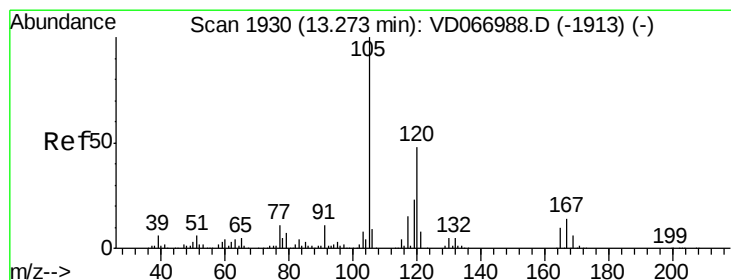
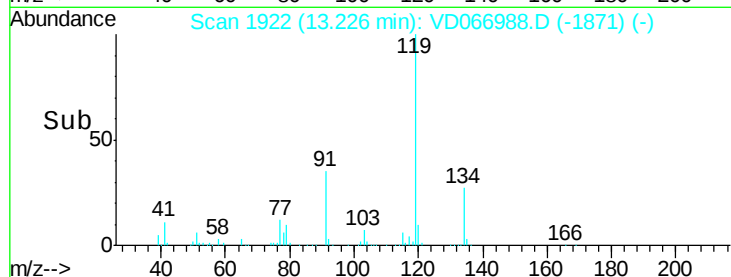
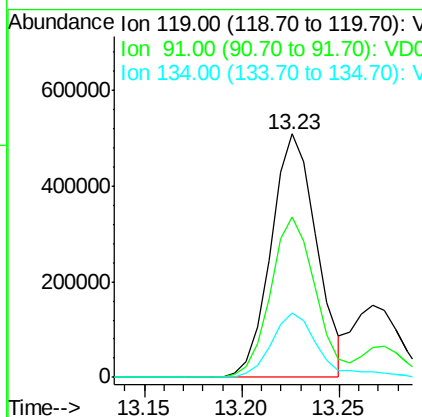
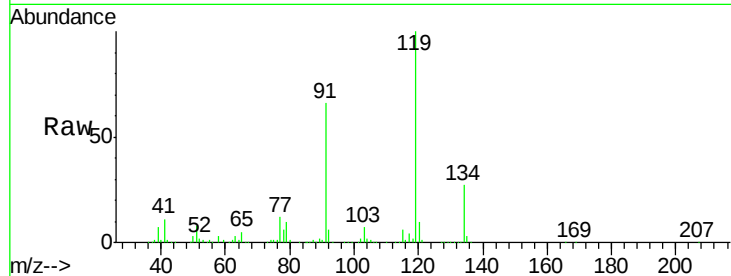
#83
tert-Butylbenzene
Concen: 52.813 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD066988.D
Acq: 01 Oct 2020 12:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.5	32.8	98.3
134	27.8	13.9	41.7

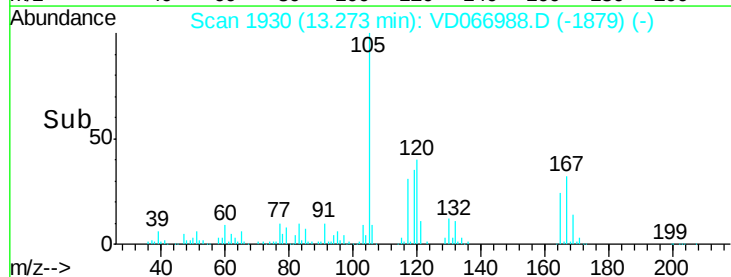
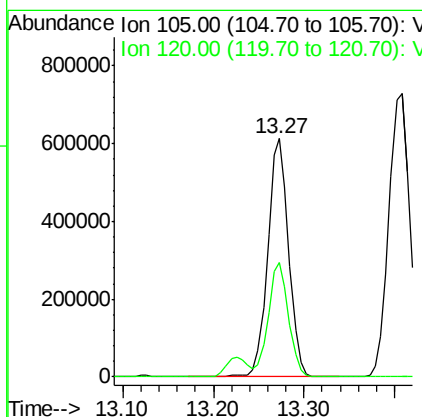
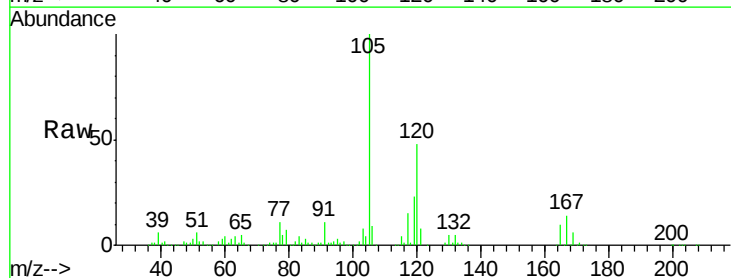
Manual Integrations
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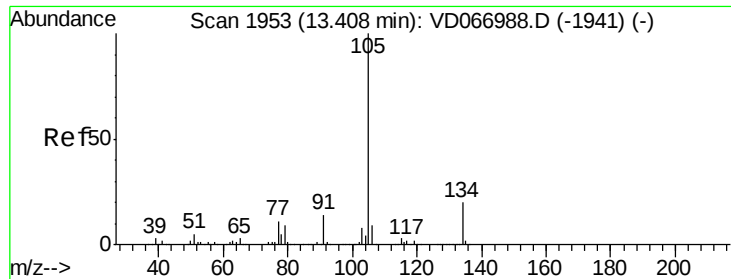
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#84
1,2,4-Trimethylbenzene
Concen: 53.192 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD066988.D
Acq: 01 Oct 2020 12:47

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.5	23.3	69.8





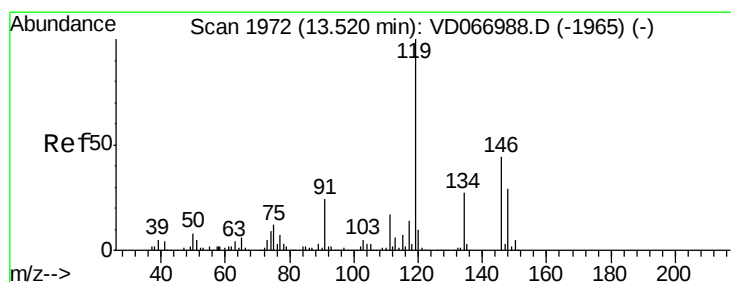
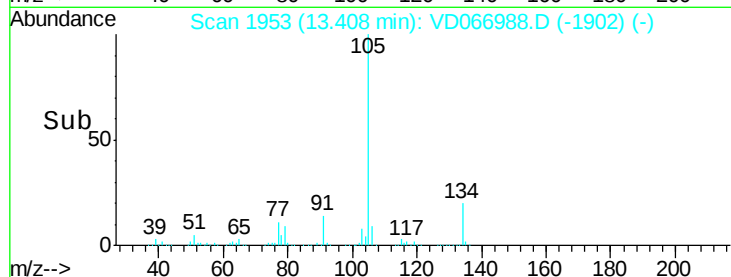
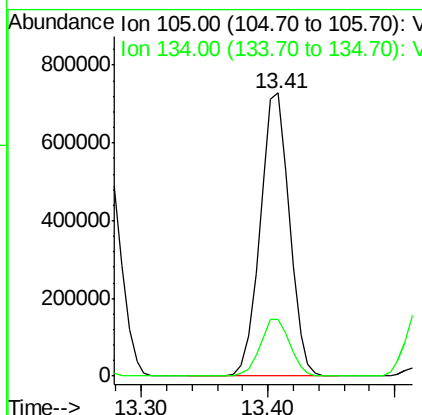
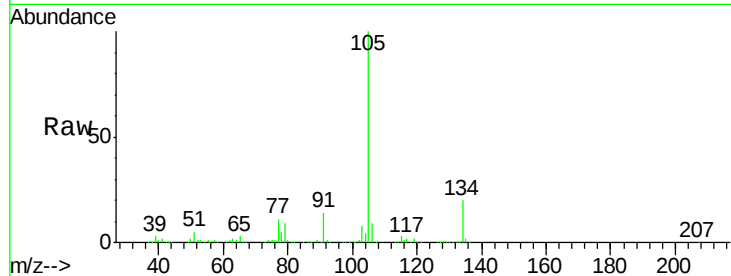
#85
 sec-Butylbenzene
 Concen: 53.540 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD066988.D
 Acq: 01 Oct 2020 12:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion:105 Resp: 1172177
 Ion Ratio Lower Upper
 105 100
 134 20.5 10.3 30.8

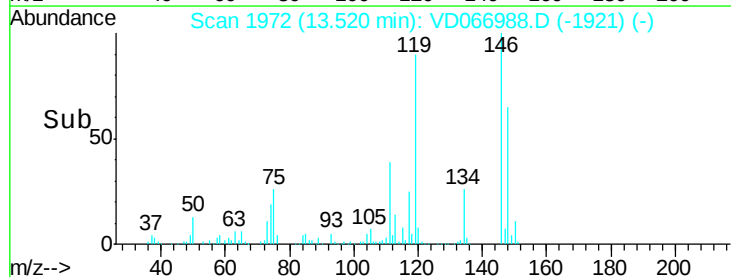
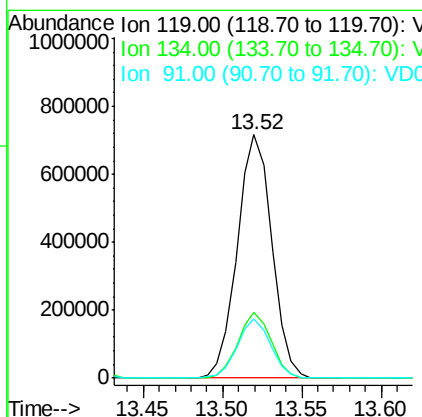
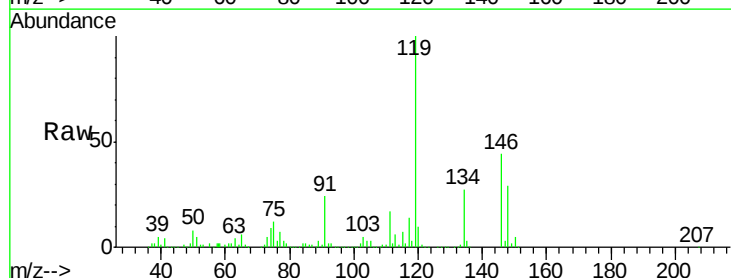
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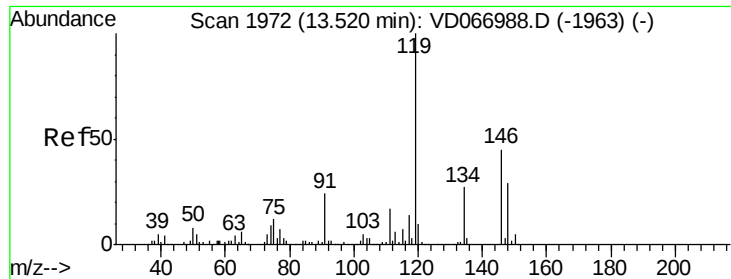
MMDadoda
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#86
 p-Isopropyltoluene
 Concen: 53.389 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD066988.D
 Acq: 01 Oct 2020 12:47

Tgt Ion:119 Resp: 1083669
 Ion Ratio Lower Upper
 119 100
 134 26.1 13.1 39.1
 91 23.4 11.7 35.1





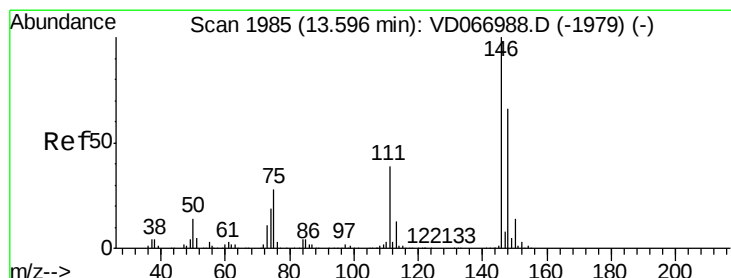
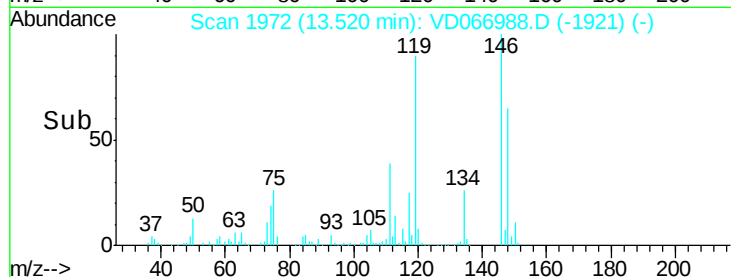
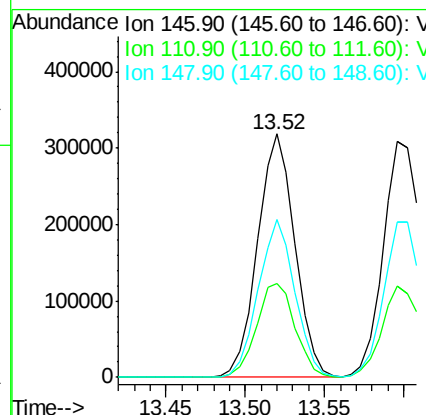
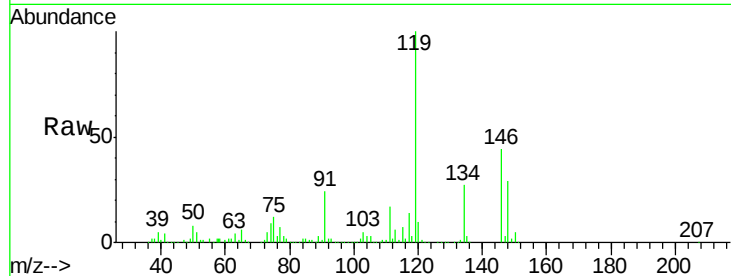
#87
 1,3-Dichlorobenzene
 Concen: 50.568 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD066988.D
 Acq: 01 Oct 2020 12:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	519698		
111	40.0	20.0	60.0	
148	63.9	31.9	95.9	

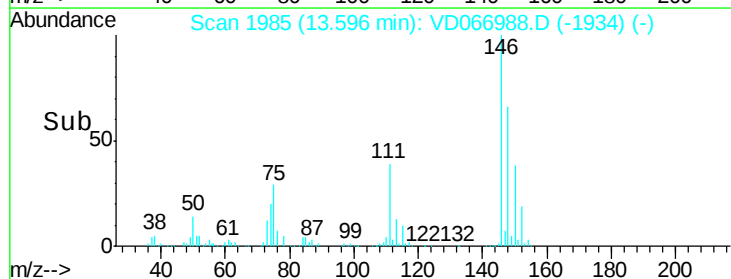
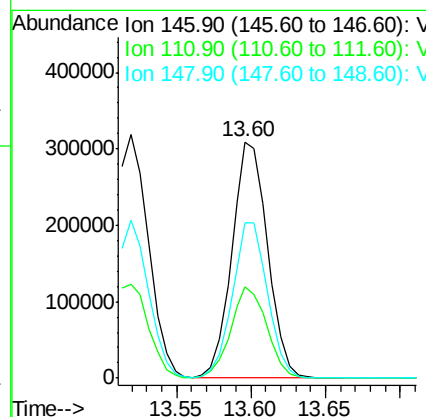
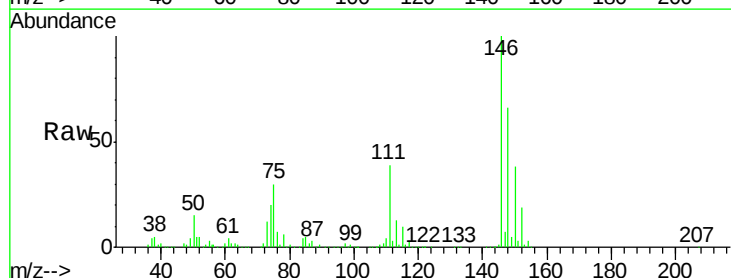
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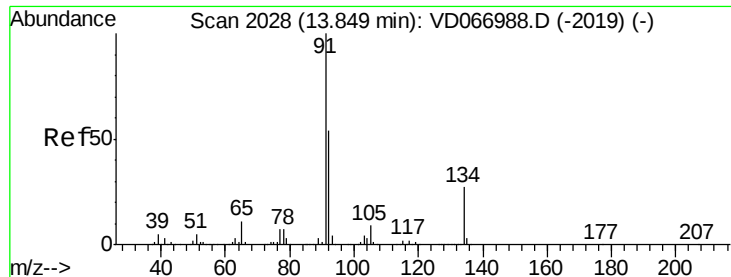
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#88
 1,4-Dichlorobenzene
 Concen: 50.077 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. 0.00 min
 Lab File: VD066988.D
 Acq: 01 Oct 2020 12:47

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	514599		
111	39.1	19.6	58.7	
148	65.1	32.6	97.7	





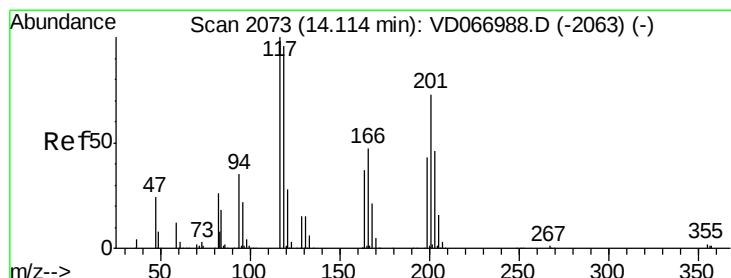
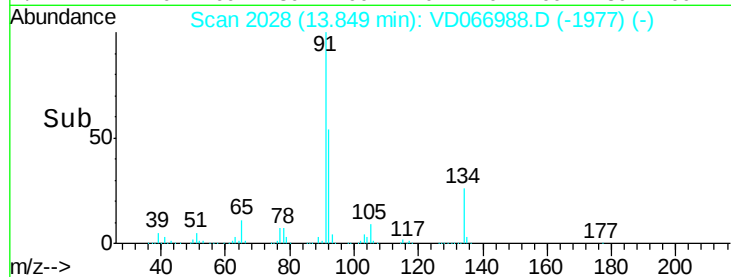
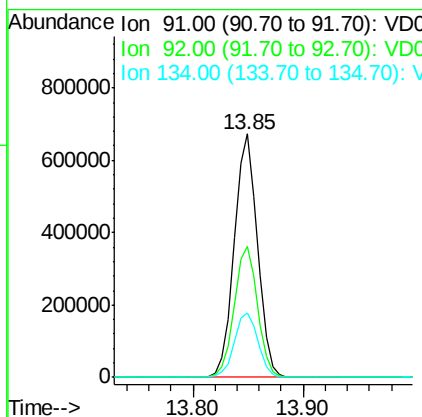
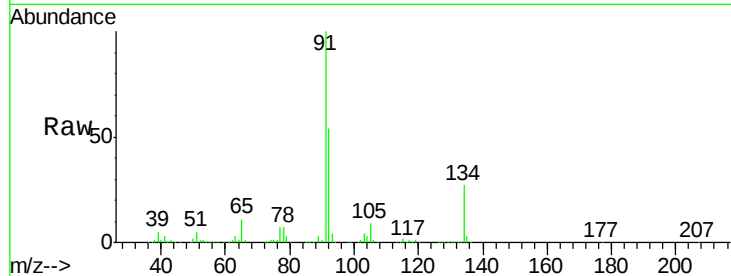
#89
n-Butylbenzene
Concen: 53.552 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD066988.D
Acq: 01 Oct 2020 12:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	54.1	27.1	81.2	
134	27.2	13.6	40.8	

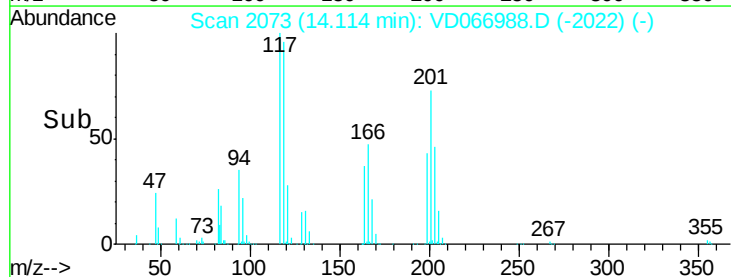
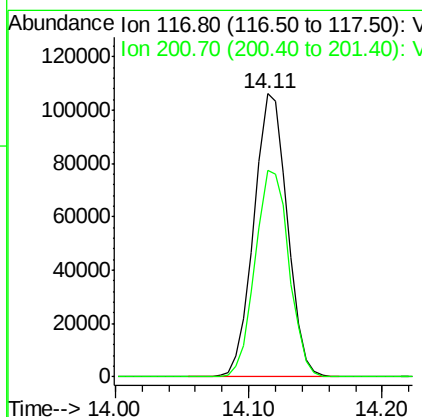
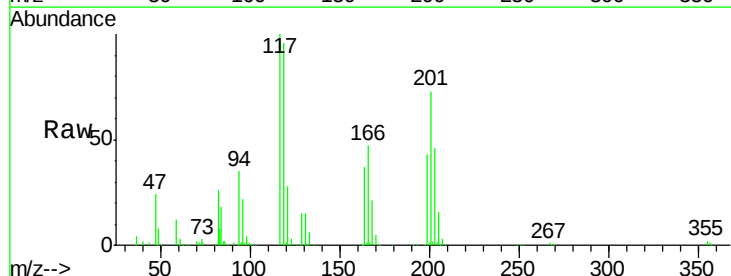
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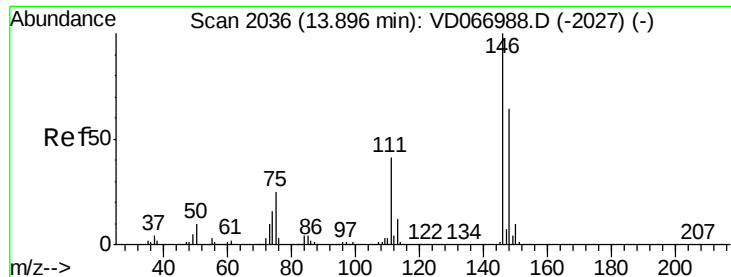
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#90
Hexachloroethane
Concen: 51.536 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD066988.D
Acq: 01 Oct 2020 12:47

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	73.9	37.0	110.9	





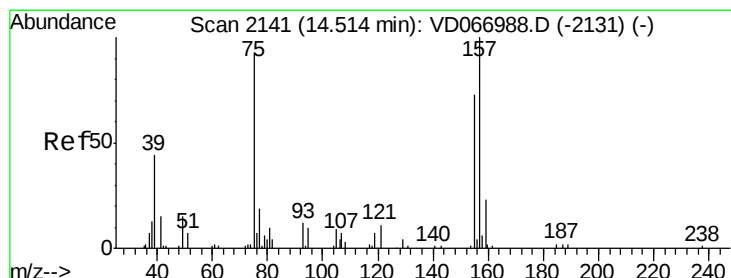
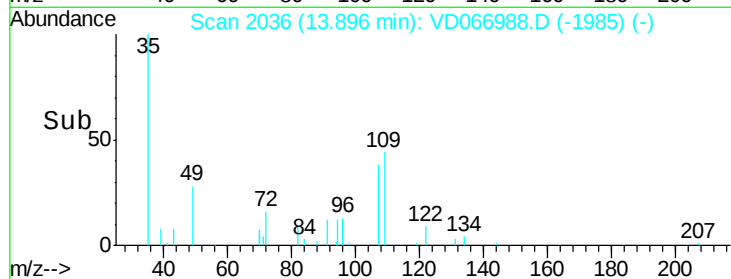
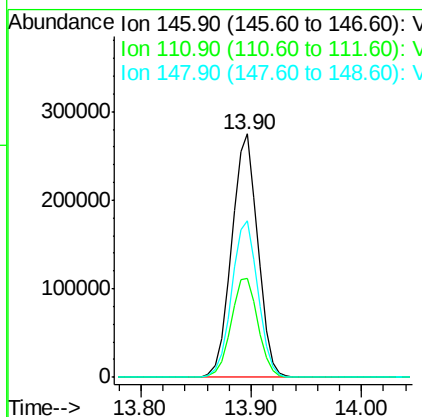
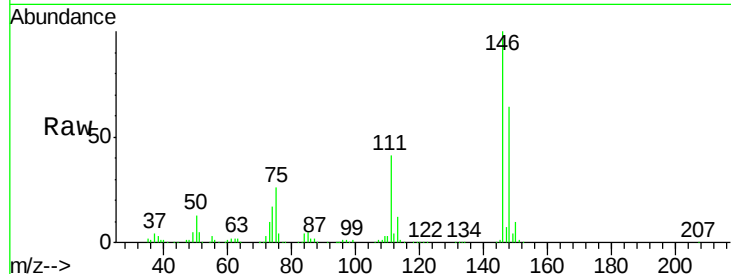
#91
 1,2-Dichlorobenzene
 Concen: 50.770 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD066988.D
 Acq: 01 Oct 2020 12:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.9	62.7
148	64.6	32.3	96.9

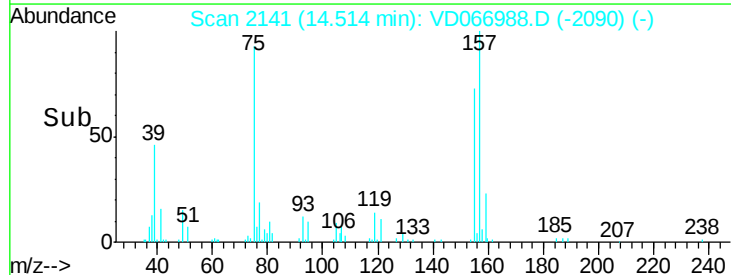
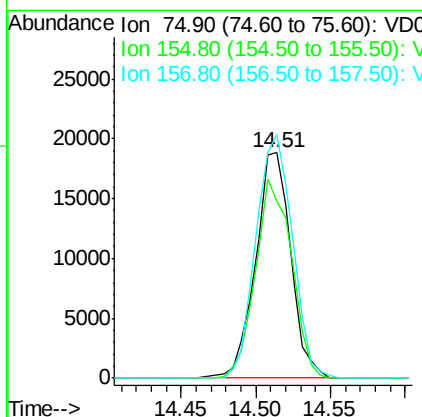
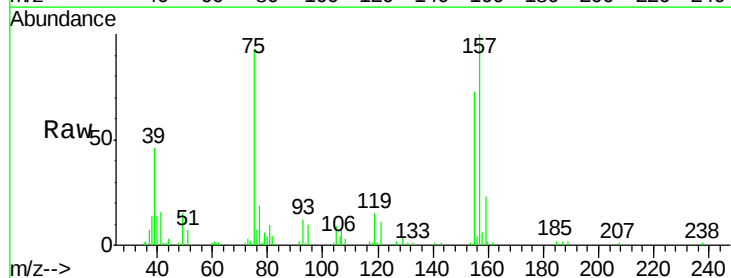
Manual Integrations
 APPROVED

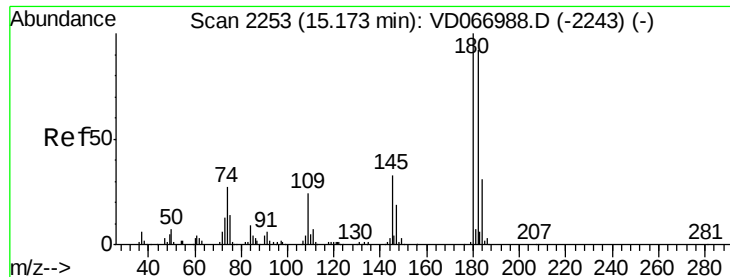
MMDadoda
 10/2/2020 3:13:21 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.527 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD066988.D
 Acq: 01 Oct 2020 12:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.4	45.2	135.6
157	112.5	56.3	168.8





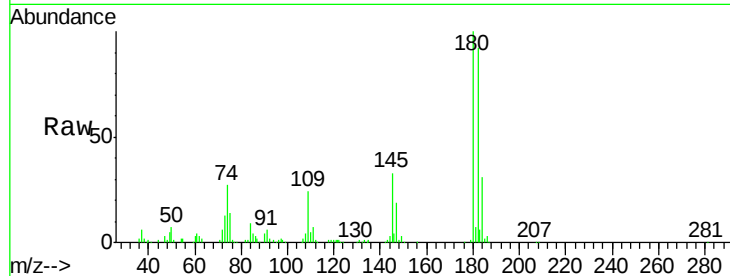
#93
 1,2,4-Trichlorobenzene
 Concen: 53.400 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD066988.D
 Acq: 01 Oct 2020 12:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

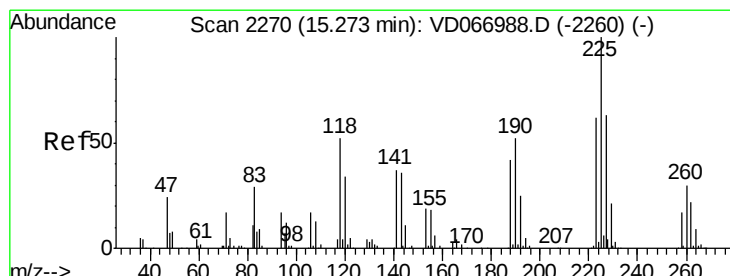
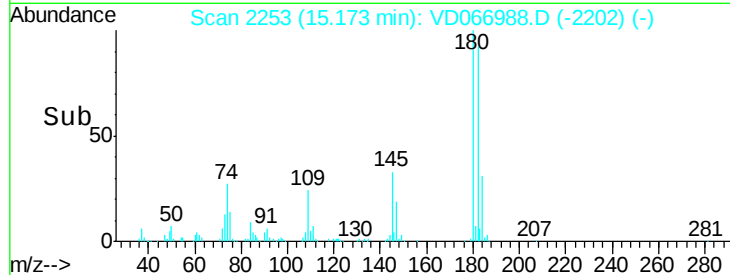
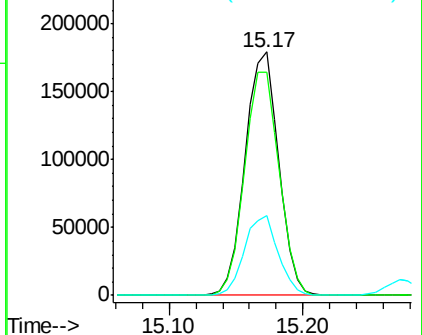
Tot Ion:	180	Resp:	310023
Ion Ratio	Lower	Upper	
180	100		
182	94.7	47.3	142.0
145	32.7	16.4	49.1

Manual Integrations
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MMDadoda
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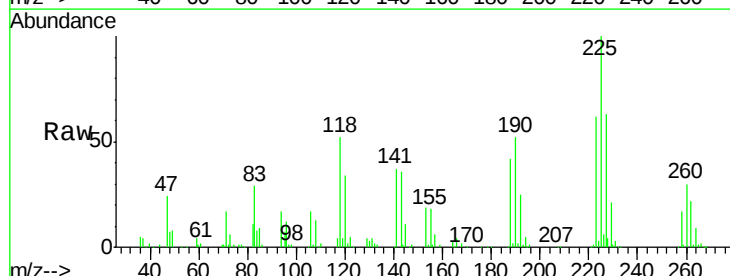


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

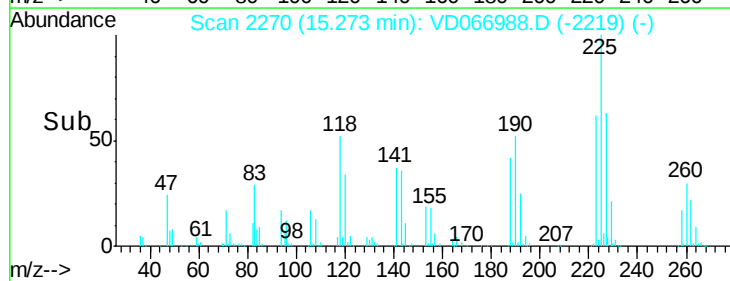
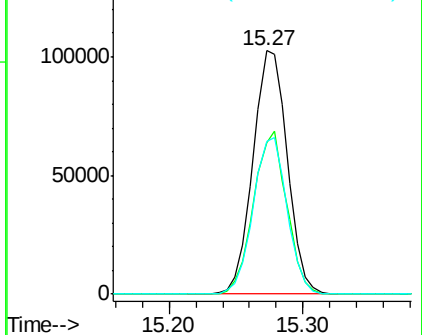


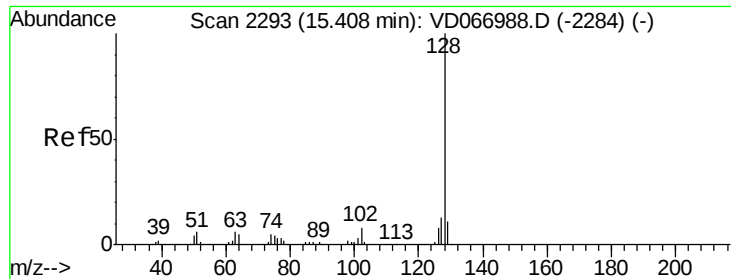
#94
 Hexachlorobutadiene
 Concen: 51.166 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD066988.D
 Acq: 01 Oct 2020 12:47

Tgt Ion:	225	Resp:	182430
Ion Ratio	Lower	Upper	
225	100		
223	64.7	32.4	97.0
227	63.3	31.6	95.0



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





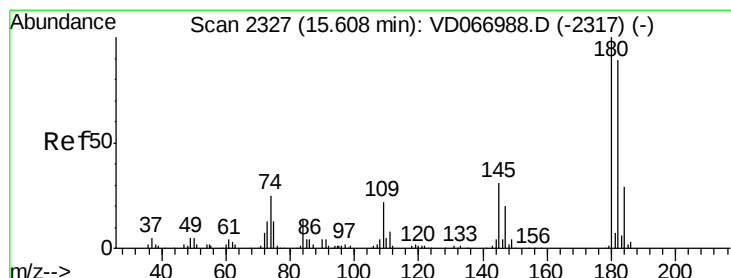
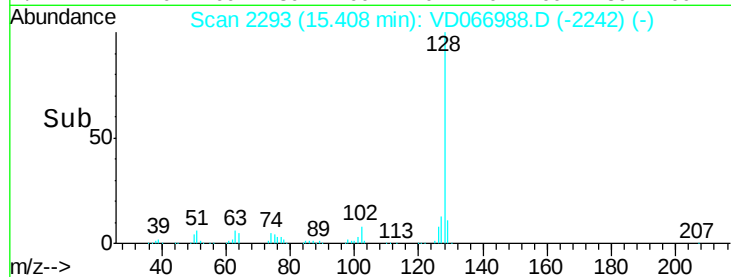
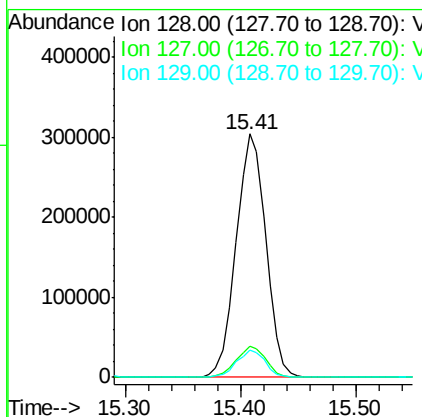
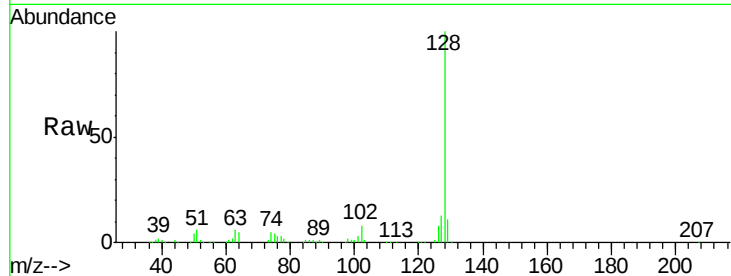
#95
Naphthalene
Concen: 55.986 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD066988.D
Acq: 01 Oct 2020 12:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	542146		
127	12.9		10.3	15.5
129	10.8		8.6	13.0

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 54.154 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD066988.D
Acq: 01 Oct 2020 12:47

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	272927		
182	92.7		46.4	139.1
145	33.1		16.6	49.7

