

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091520\
 Data File : VD066695.D
 Acq On : 15 Sep 2020 13:28
 Operator : VA/SY
 Sample : VSTDIC005
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 9/16/2020 11:44:14 AM

Quant Time: Sep 15 16:27:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091520S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 15 16:17:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	390876	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	665810	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	602820	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	274654	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	25410	6.09	ug/l	0.00
Spiked Amount			Recovery	=	12.18%	
35) Dibromofluoromethane	7.91	113	22478	5.51	ug/l	0.00
Spiked Amount			Recovery	=	11.02%	
50) Toluene-d8	10.34	98	75147	5.17	ug/l	0.00
Spiked Amount			Recovery	=	10.34%	
62) 4-Bromofluorobenzene	12.63	95	26463	5.27	ug/l	0.00
Spiked Amount			Recovery	=	10.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.98	85	17611	5.390	ug/l	100
3) Chloromethane	2.21	50	22959	5.398	ug/l	98
4) Vinyl Chloride	2.35	62	23662	5.315	ug/l	97
5) Bromomethane	2.77	94	17860	5.656	ug/l	93
6) Chloroethane	2.91	64	14212	5.125	ug/l #	76
7) Trichlorofluoromethane	3.27	101	41456	5.392	ug/l	91
8) Diethyl Ether	3.70	74	9682	5.029	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	4.10	101	22948	5.431	ug/l #	86
10) Methyl Iodide	4.29	142	16729	4.173	ug/l	99
11) Tert butyl alcohol	5.18	59	22213	52.793	ug/l #	80
12) 1,1-Dichloroethene	4.07	96	19596	5.010	ug/l	97
13) Acrolein	3.92	56	8516	28.953	ug/l #	56
14) Allyl chloride	4.71	41	30178	4.805	ug/l	99
15) Acrylonitrile	5.43	53	22825	27.061	ug/l	96
16) Acetone	4.16	43	26126	30.763	ug/l	99
17) Carbon Disulfide	4.41	76	55191	4.491	ug/l #	94
18) Methyl Acetate	4.71	43	14653	7.148	ug/l #	88
19) Methyl tert-butyl Ether	5.48	73	41374	4.749	ug/l	92
20) Methylene Chloride	4.97	84	44181	7.681	ug/l	91
21) trans-1,2-Dichloroethene	5.48	96	22461	4.929	ug/l	99
22) Diisopropyl ether	6.36	45	58481	4.582	ug/l #	94
23) Vinyl Acetate	6.30	43	145039	20.430	ug/l	99
24) 1,1-Dichloroethane	6.27	63	42475	5.245	ug/l	96
25) 2-Butanone	7.21	43	30027	27.153	ug/l	95
26) 2,2-Dichloropropane	7.20	77	42637	5.693	ug/l	92
27) cis-1,2-Dichloroethene	7.21	96	25055	5.026	ug/l	97
28) Bromochloromethane	7.55	49	15970	5.279	ug/l #	98
29) Tetrahydrofuran	7.56	42	16816	24.854	ug/l	99
30) Chloroform	7.71	83	46131	5.352	ug/l	92
31) Cyclohexane	7.98	56	39281	5.332	ug/l #	78
32) 1,1,1-Trichloroethane	7.90	97	41015	5.200	ug/l	95
36) 1,1-Dichloropropene	8.11	75	33732	4.928	ug/l	99
37) Ethyl Acetate	7.29	43	11950	4.611	ug/l #	79
38) Carbon Tetrachloride	8.10	117	36441	5.013	ug/l #	91

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Manual Integrations
 APPROVED

MMDadoda
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.35	83	33880	4.327	ug/l	97
40) Benzene	8.35	78	87181	4.707	ug/l #	86
41) Methacrylonitrile	7.52	41	6289m	5.012	ug/l	
42) 1,2-Dichloroethane	8.43	62	29035	5.060	ug/l	99
43) Isopropyl Acetate	8.45	43	24554	5.034	ug/l	95
44) Trichloroethene	9.11	130	23939	4.835	ug/l	93
45) 1,2-Dichloropropane	9.38	63	22671	4.952	ug/l	94
46) Dibromomethane	9.47	93	12695	5.046	ug/l	96
47) Bromodichloromethane	9.66	83	33744	4.922	ug/l	95
48) Methyl methacrylate	9.45	41	12010	4.841	ug/l #	89
49) 1,4-Dioxane	9.45	88	2441	90.576	ug/l #	90
51) 4-Methyl-2-Pentanone	10.23	43	58963	23.479	ug/l	98
52) Toluene	10.40	92	52501	4.425	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	29263	4.778	ug/l	90
54) cis-1,3-Dichloropropene	10.08	75	33873	4.657	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	17082	5.150	ug/l #	83
56) Ethyl methacrylate	10.66	69	15585	4.140	ug/l	96
57) 1,3-Dichloropropane	10.94	76	30130	5.176	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.94	63	38773	23.453	ug/l	91
59) 2-Hexanone	10.98	43	39918	23.657	ug/l	91
60) Dibromochloromethane	11.14	129	20752	4.801	ug/l	98
61) 1,2-Dibromoethane	11.24	107	15547	4.886	ug/l	99
64) Tetrachloroethene	10.87	164	20769	5.047	ug/l #	85
65) Chlorobenzene	11.67	112	61979	4.966	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.74	131	22253	4.832	ug/l	94
67) Ethyl Benzene	11.74	91	99288	4.392	ug/l	98
68) m/p-Xylenes	11.85	106	73996	8.660	ug/l	99
69) o-Xylene	12.18	106	31036	4.110	ug/l	95
70) Styrene	12.20	104	54124	4.073	ug/l	91
71) Bromoform	12.36	173	11704	5.064	ug/l #	99
73) Isopropylbenzene	12.48	105	86588	4.223	ug/l	99
74) N-amyl acetate	12.29	43	20325	4.699	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.73	83	18943	5.437	ug/l	95
76) 1,2,3-Trichloropropane	12.78	75	11979m	5.153	ug/l	
77) Bromobenzene	12.76	156	24427	5.169	ug/l	92
78) n-propylbenzene	12.82	91	110958	4.439	ug/l	98
79) 2-Chlorotoluene	12.91	91	64590	4.570	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	72623	4.189	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	4847	4.450	ug/l	91
82) 4-Chlorotoluene	13.00	91	70020	4.686	ug/l	96
83) tert-Butylbenzene	13.23	119	61545	4.307	ug/l	96
84) 1,2,4-Trimethylbenzene	13.27	105	73338	4.233	ug/l	98
85) sec-Butylbenzene	13.40	105	86656	4.230	ug/l	98
86) p-Isopropyltoluene	13.52	119	77626	4.168	ug/l	96
87) 1,3-Dichlorobenzene	13.52	146	42742	4.714	ug/l	96
88) 1,4-Dichlorobenzene	13.60	146	45593	5.050	ug/l	95
89) n-Butylbenzene	13.84	91	75327	4.254	ug/l	97
90) Hexachloroethane	14.11	117	17943	4.690	ug/l	95
91) 1,2-Dichlorobenzene	13.89	146	37861	4.874	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.50	75	3031	5.382	ug/l	94

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MSVOA_D
ClientSampleId :
VSTDICC005

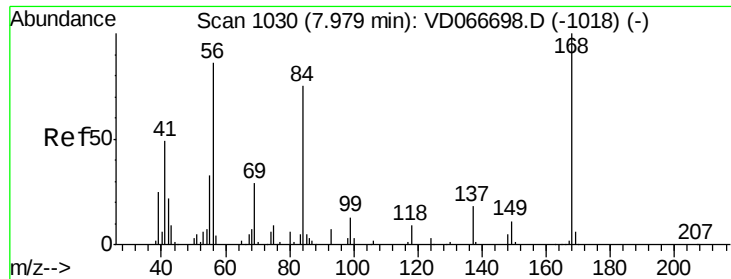
Manual Integrations
APPROVED

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9/16/2020 11:44:14 AM

Quant Time: Sep 15 16:27:13 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D091520S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 15 16:17:06 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	20002	4.257	ug/l	91
94) Hexachlorobutadiene	15.27	225	13911	4.914	ug/l	99
95) Naphthalene	15.41	128	34985	4.262	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	19512	4.754	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066695.D

Acq: 15 Sep 2020 13:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 390876

Ion Ratio Lower Upper

168 100

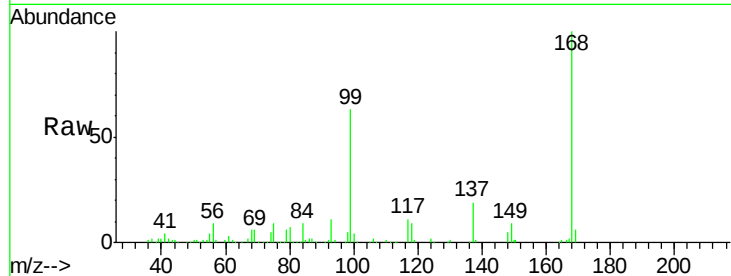
99 62.1 54.4 81.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.97

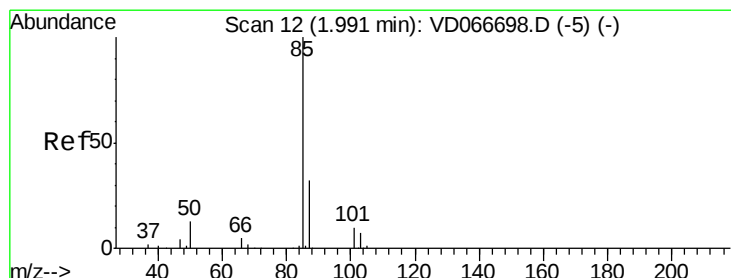
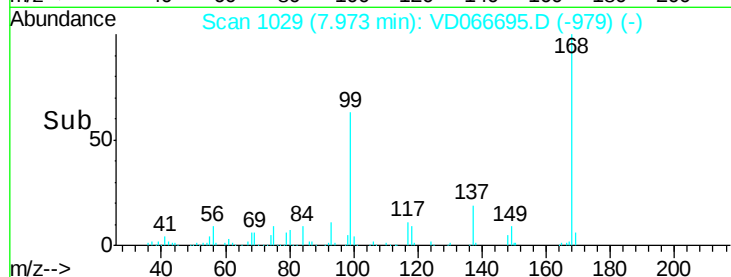
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 5.390 ug/l

RT: 1.98 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD066695.D

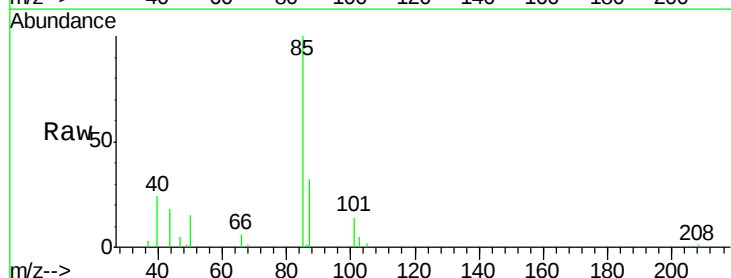
Acq: 15 Sep 2020 13:28

Tgt Ion: 85 Resp: 17611

Ion Ratio Lower Upper

85 100

87 31.8 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.98

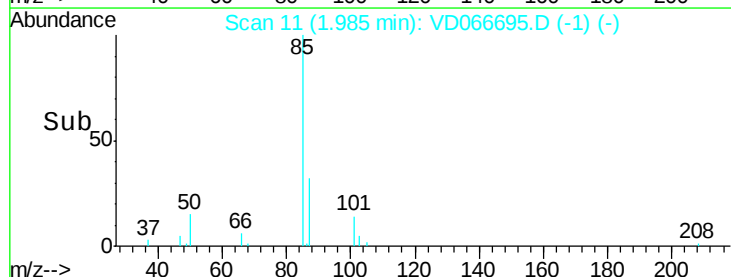
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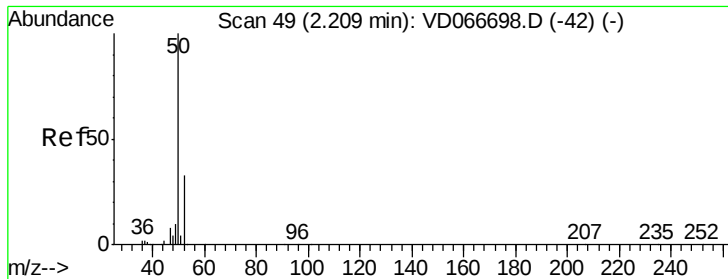
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Time-->





#3

Chloromethane

Concen: 5.398 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD066695.D

Acq: 15 Sep 2020 13:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 22959

Ion Ratio Lower Upper

50 100

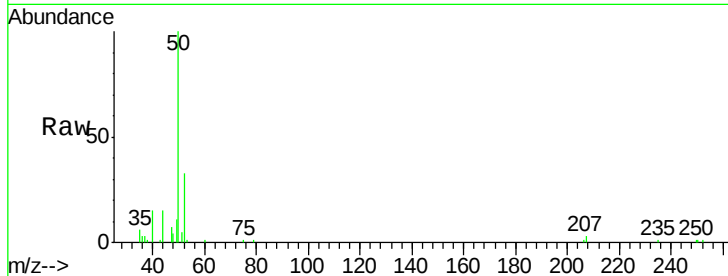
52 32.5 26.8 40.2

Manual Integrations

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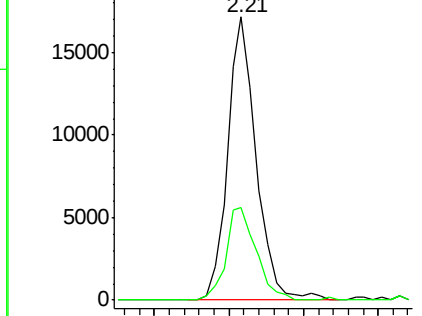
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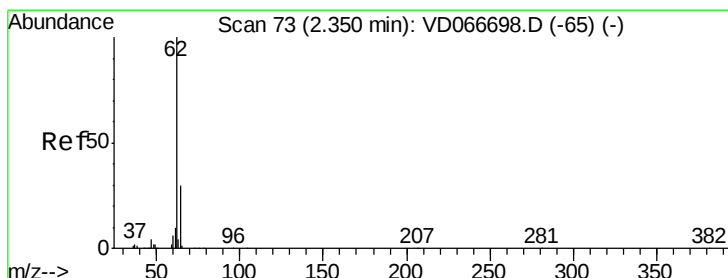
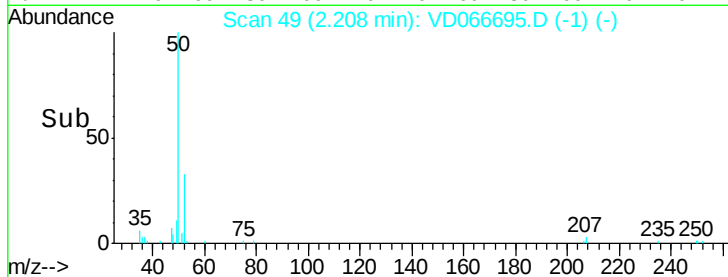


Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



Time-->



#4

Vinyl Chloride

Concen: 5.315 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD066695.D

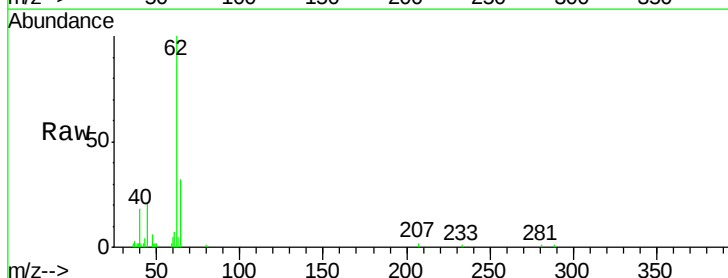
Acq: 15 Sep 2020 13:28

Tgt Ion: 62 Resp: 23662

Ion Ratio Lower Upper

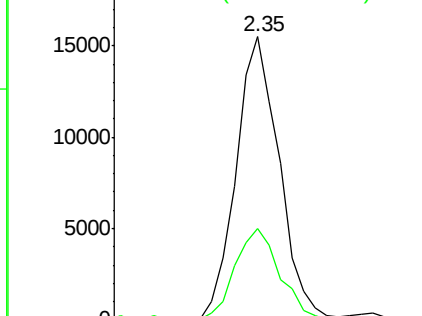
62 100

64 32.3 24.4 36.6

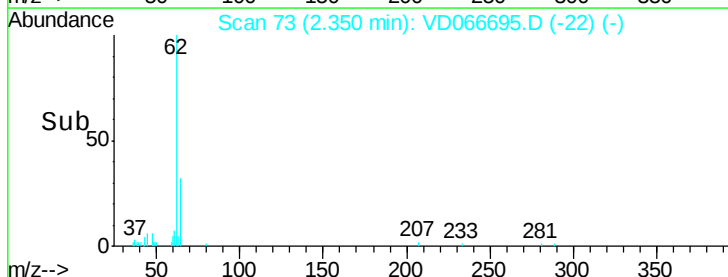


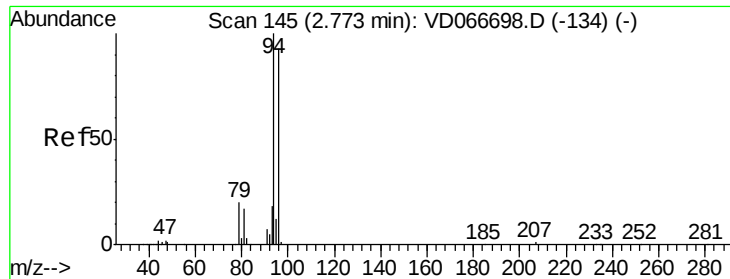
Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC



Time-->





#5

Bromomethane

Concen: 5.656 ug/l

RT: 2.77 min Scan# 145

Delta R.T. -0.00 min

Lab File: VD066695.D

Acq: 15 Sep 2020 13:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 17860

Ion Ratio Lower Upper

94 100

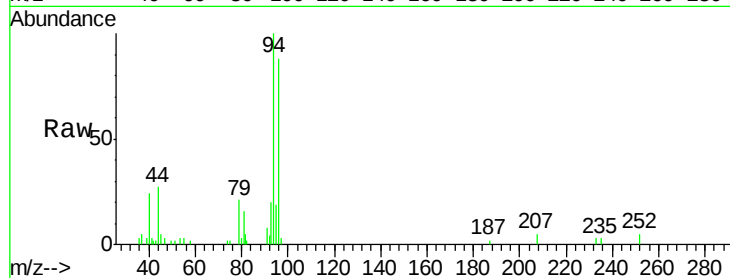
96 86.3 74.7 112.1

Manual Integrations

APPROVED

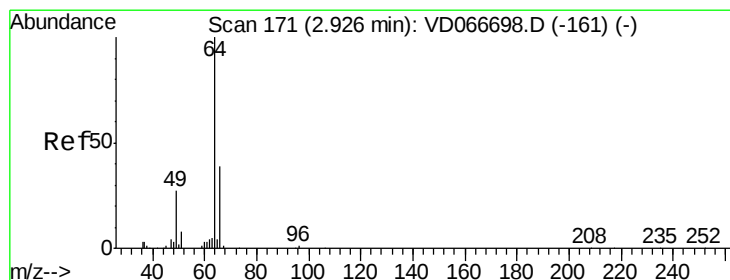
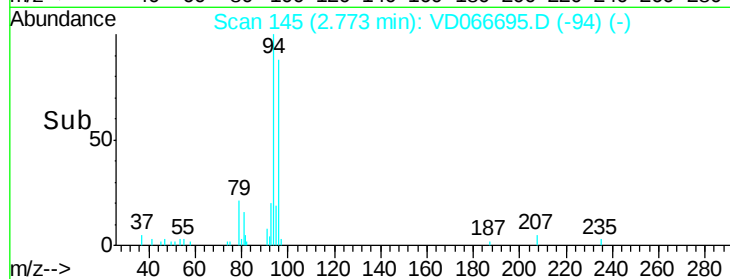
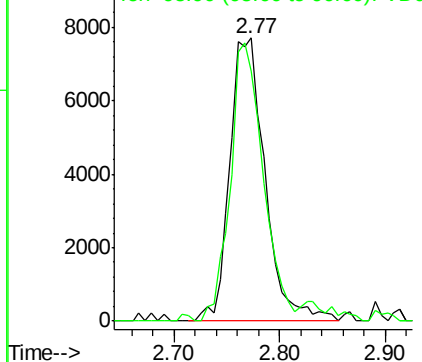
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 5.125 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD066695.D

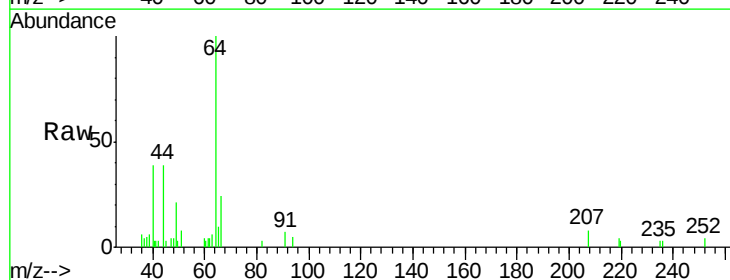
Acq: 15 Sep 2020 13:28

Tgt Ion: 64 Resp: 14212

Ion Ratio Lower Upper

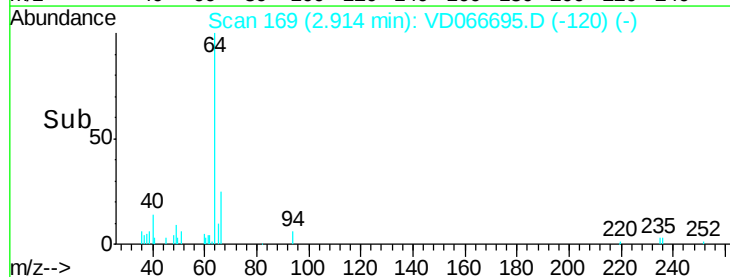
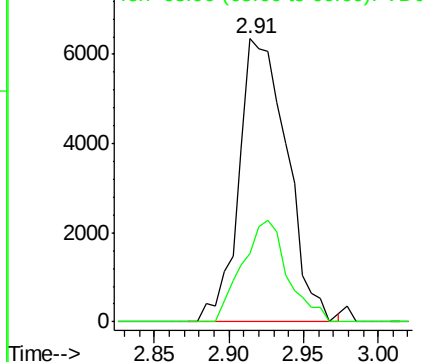
64 100

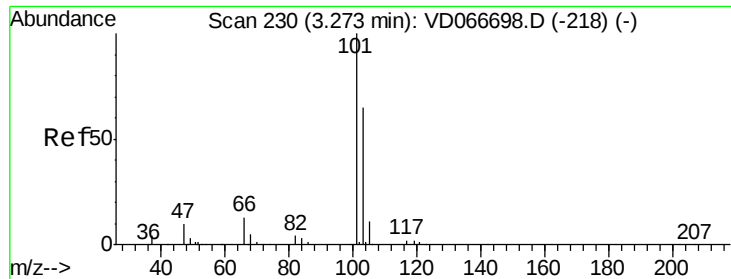
66 23.9 30.9 46.3#



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

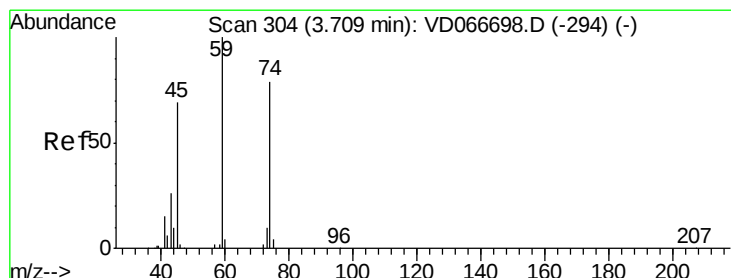
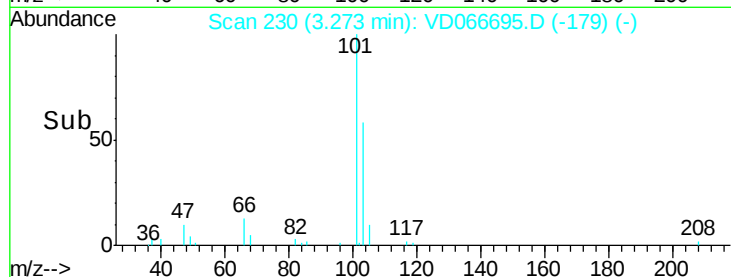
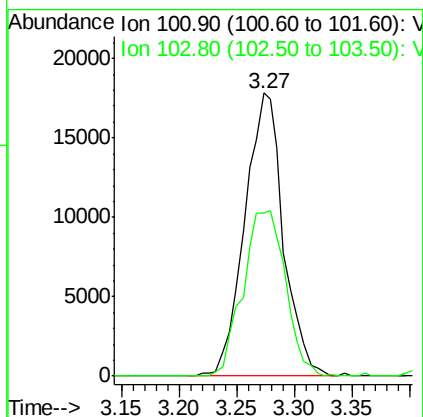
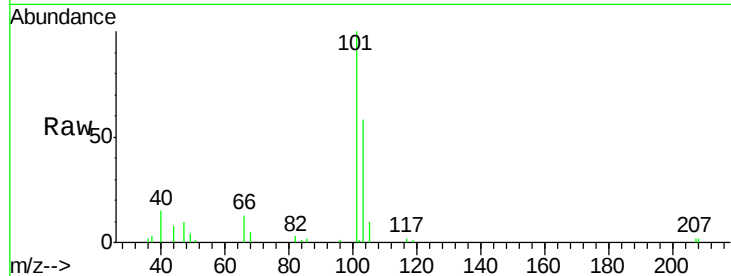
Trichlorofluoromethane
Concen: 5.392 ug/l
RT: 3.27 min Scan# 230
Delta R.T. -0.00 min
Lab File: VD066695.D
Acq: 15 Sep 2020 13:28

Instrument :
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ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	57.6	51.8	77.8

Manual Integrations
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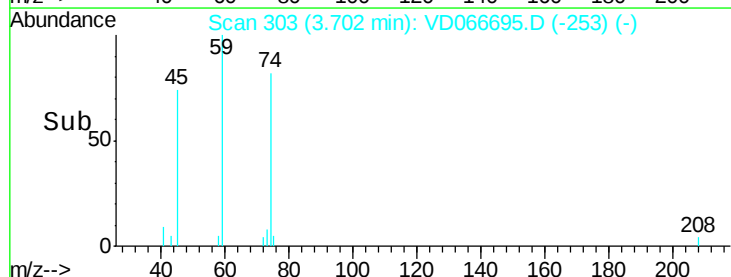
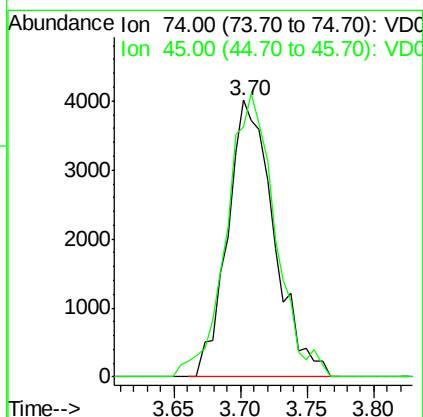
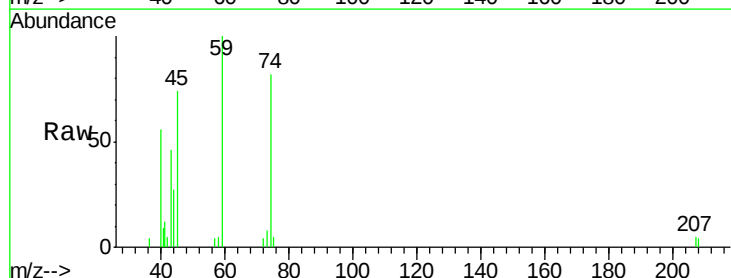
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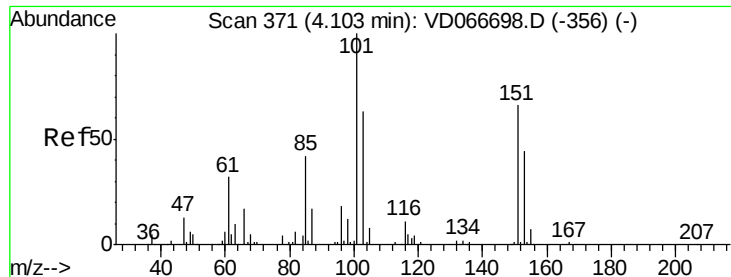


#8

Diethyl Ether
Concen: 5.029 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD066695.D
Acq: 15 Sep 2020 13:28

Tgt Ion	Ratio	Lower	Upper
74	100		
45	106.9	48.0	144.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.431 ug/l

RT: 4.10 min Scan# 370

Delta R.T. -0.01 min

Lab File: VD066695.D

Acq: 15 Sep 2020 13:28

Instrument :

MSVOA_D

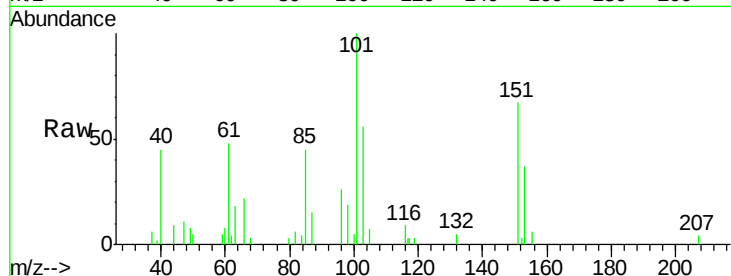
ClientSampleId :

VSTDIC005

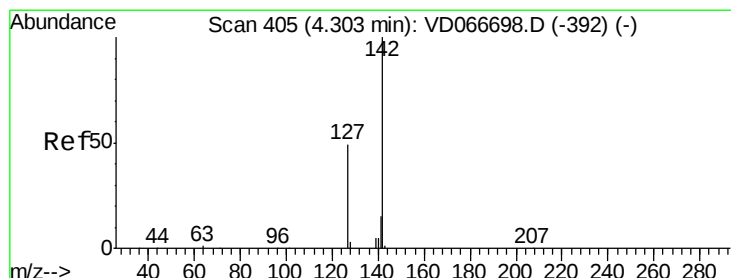
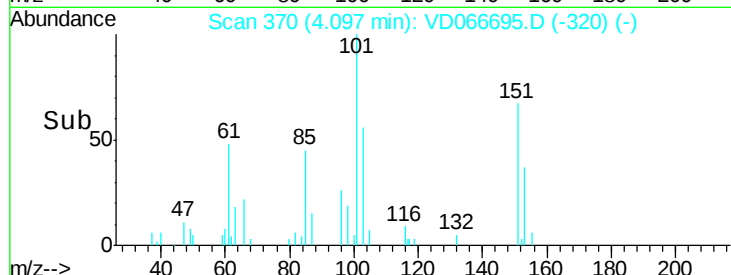
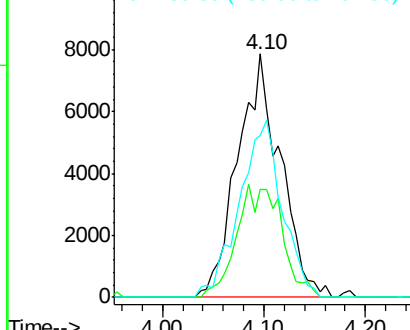
Tot Ion:	101	Resp:	22948
Ion Ratio	Lower	Upper	
101	100		
85	21.8	36.3	54.5#
151	73.0	58.0	87.0

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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: 4.173 ug/l

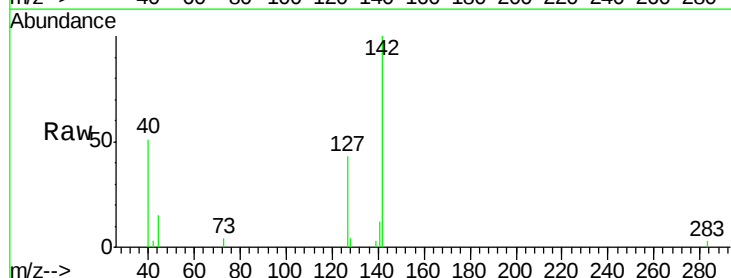
RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

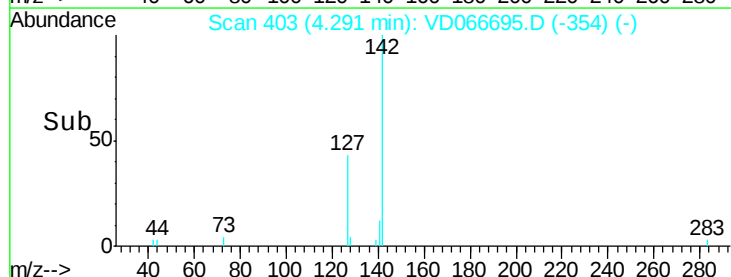
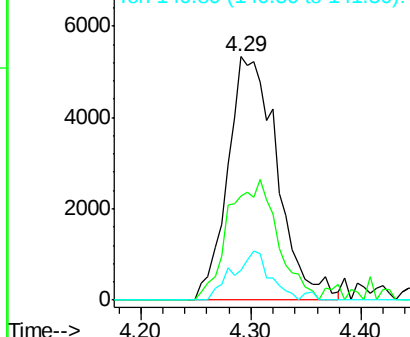
Lab File: VD066695.D

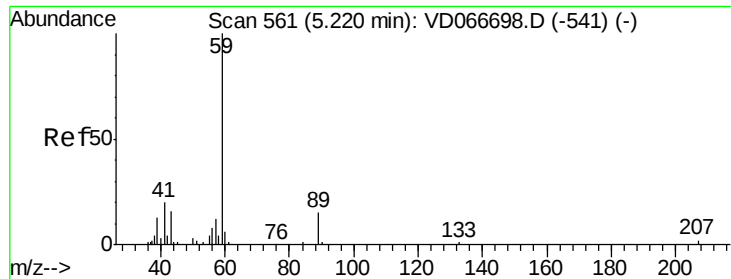
Acq: 15 Sep 2020 13:28

Tgt Ion:	142	Resp:	16729
Ion Ratio	Lower	Upper	
142	100		
127	49.3	39.0	58.4
141	15.2	11.7	17.5



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

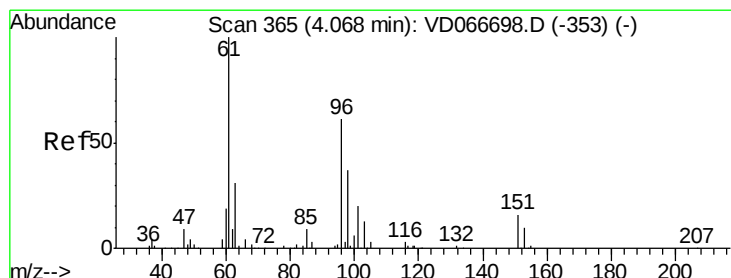
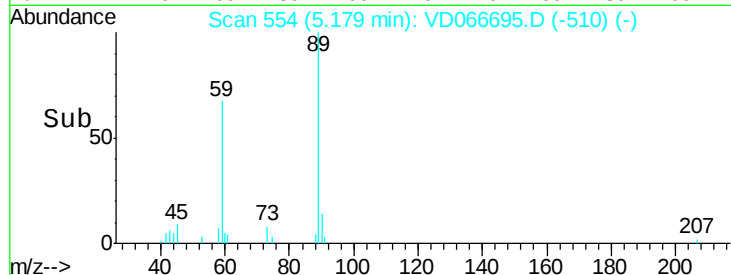
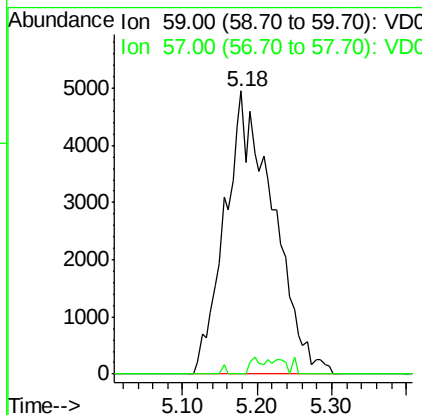
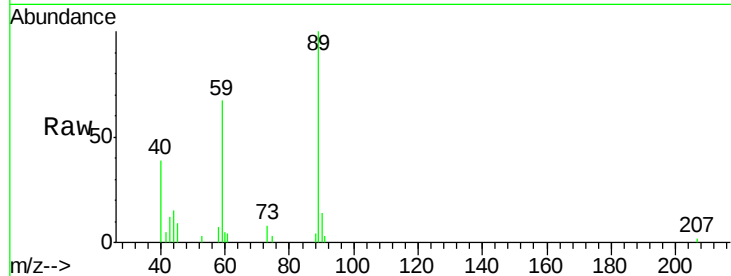
Tert butyl alcohol
 Concen: 52.793 ug/l
 RT: 5.18 min Scan# 554
 Delta R.T. -0.04 min
 Lab File: VD066695.D
 Acq: 15 Sep 2020 13:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion: 59 Resp: 22213
 Ion Ratio Lower Upper
 59 100
 57 1.4 6.7 10.1#

Manual Integrations
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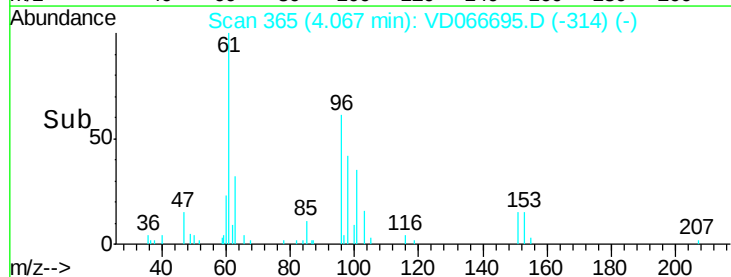
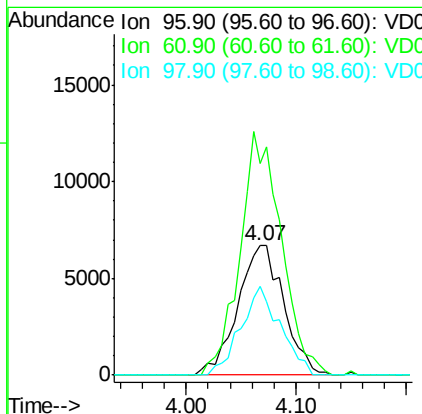
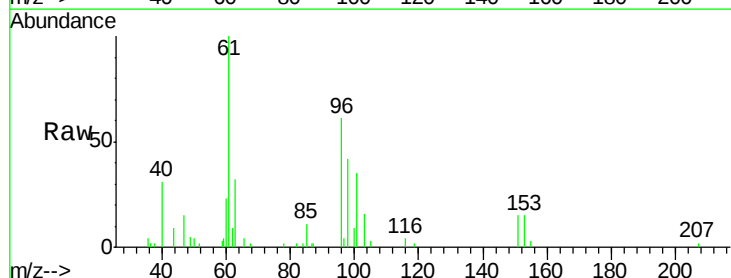
MMDadoda
 9/16/2020 11:44:14 AM

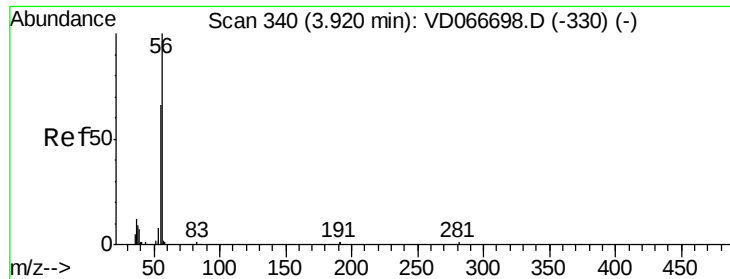


#12

1,1-Dichloroethene
 Concen: 5.010 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. -0.00 min
 Lab File: VD066695.D
 Acq: 15 Sep 2020 13:28

Tgt Ion: 96 Resp: 19596
 Ion Ratio Lower Upper
 96 100
 61 163.3 131.9 197.9
 98 68.3 49.1 73.7





#13

Acrolein

Concen: 28.953 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.00 min

Lab File: VD066695.D

Acq: 15 Sep 2020 13:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 8516

Ion Ratio Lower Upper

56 100

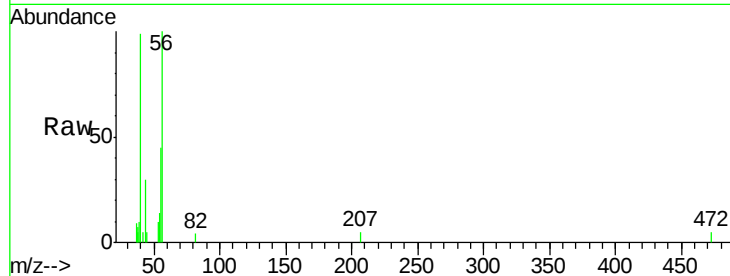
55 32.9 54.7 82.1#

Manual Integrations

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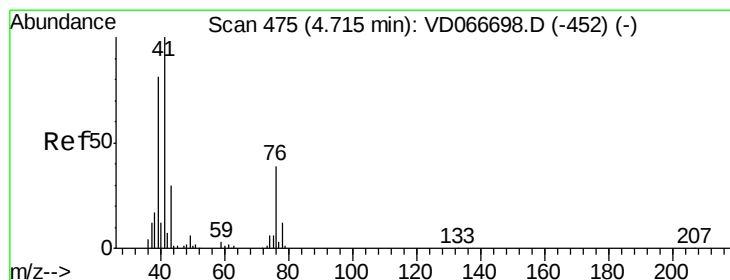
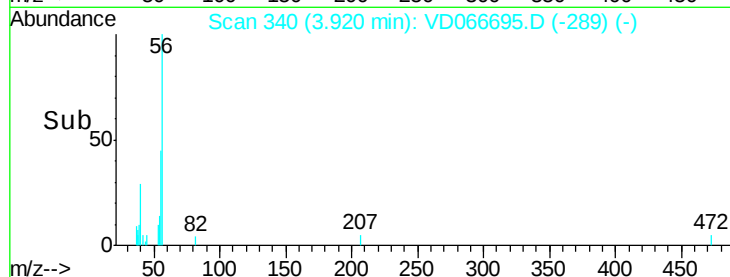
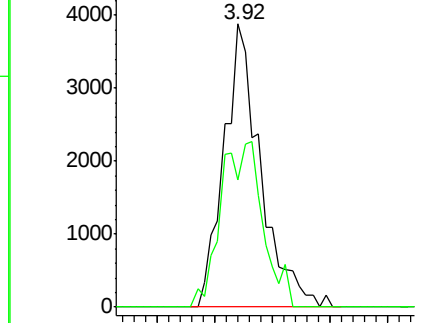
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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 4.805 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD066695.D

Acq: 15 Sep 2020 13:28

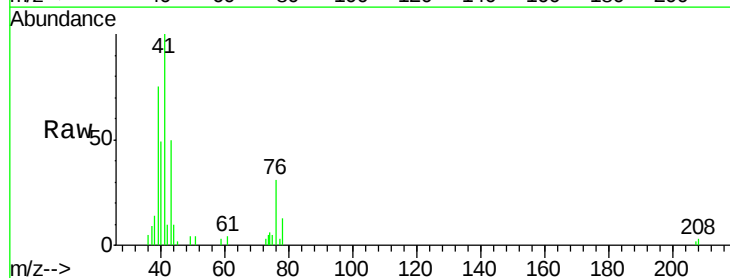
Tgt Ion: 41 Resp: 30178

Ion Ratio Lower Upper

41 100

39 76.1 60.6 90.8

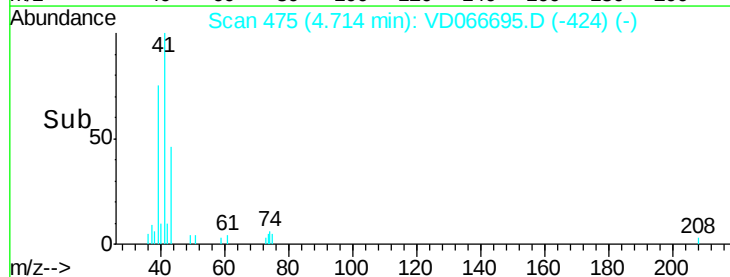
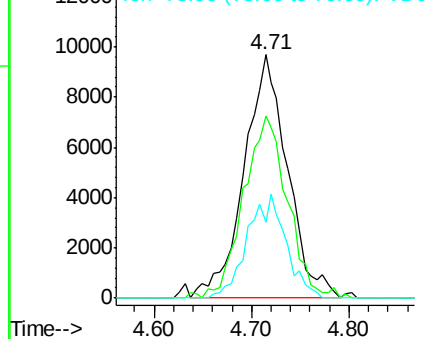
76 37.8 29.2 43.8

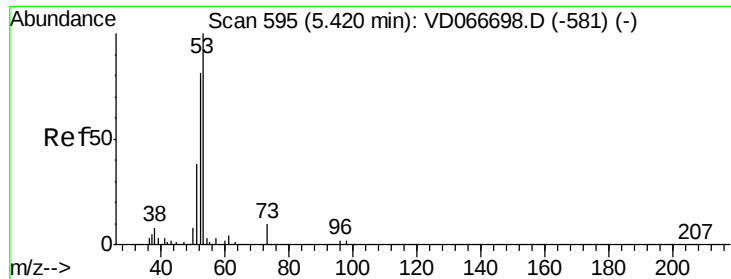


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 27.061 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.01 min

Lab File: VD066695.D

Acq: 15 Sep 2020 13:28

Instrument :

MSVOA_D

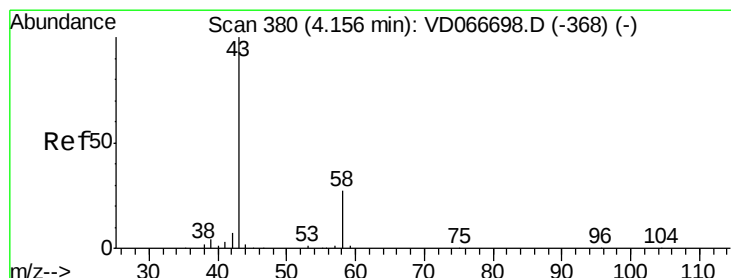
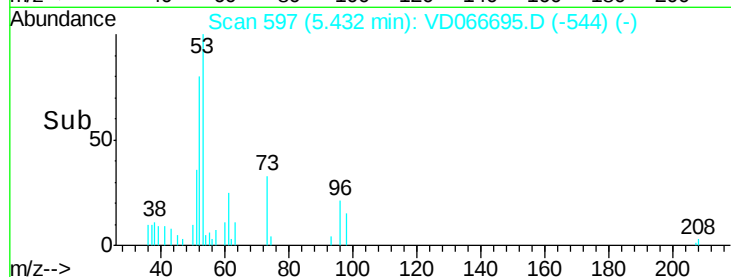
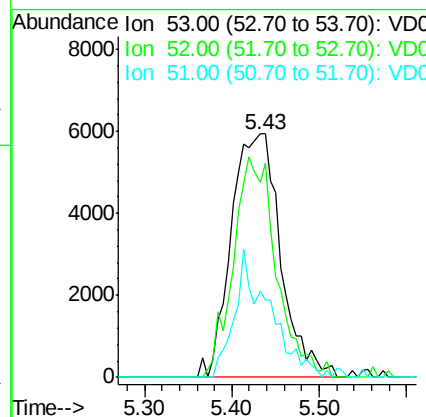
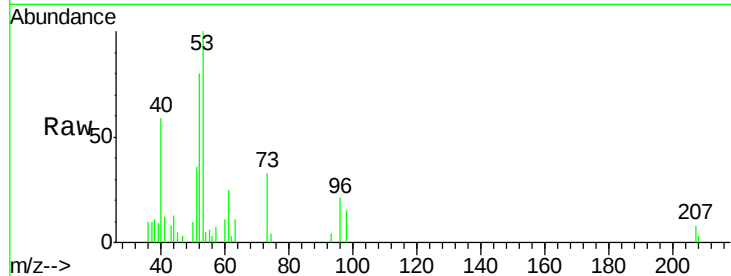
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	22825
Ion Ratio	Lower	Upper	
53	100		
52	78.9	66.6	99.8
51	37.2	31.0	46.6

Manual Integrations
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#16

Acetone

Concen: 30.763 ug/l

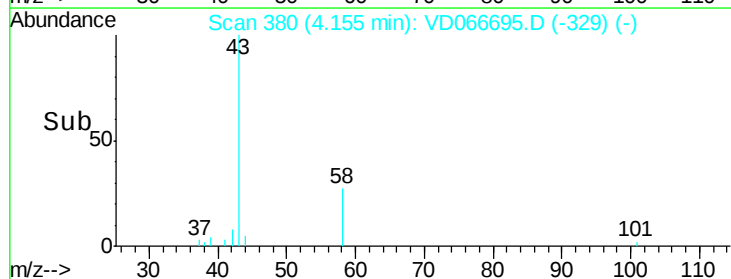
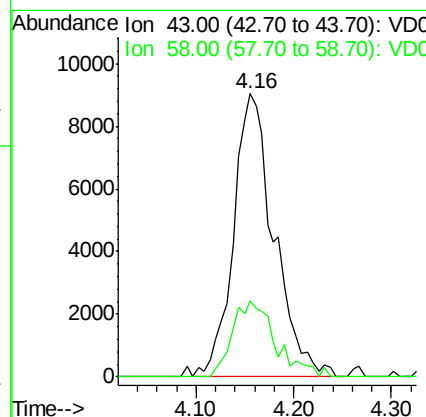
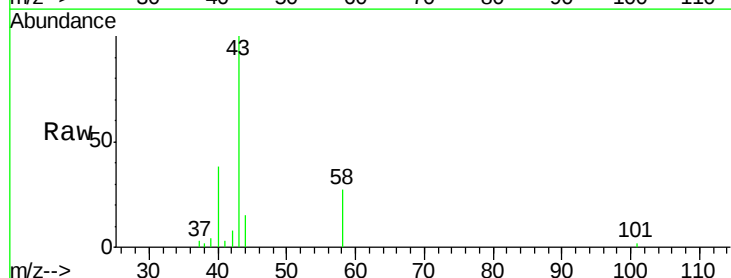
RT: 4.16 min Scan# 380

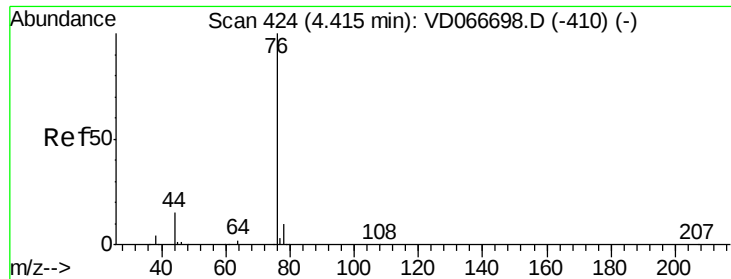
Delta R.T. -0.00 min

Lab File: VD066695.D

Acq: 15 Sep 2020 13:28

Tgt Ion:	43	Resp:	26126
Ion Ratio	Lower	Upper	
43	100		
58	26.8	21.9	32.9





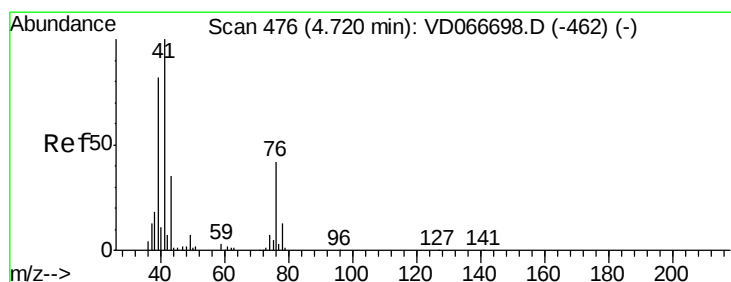
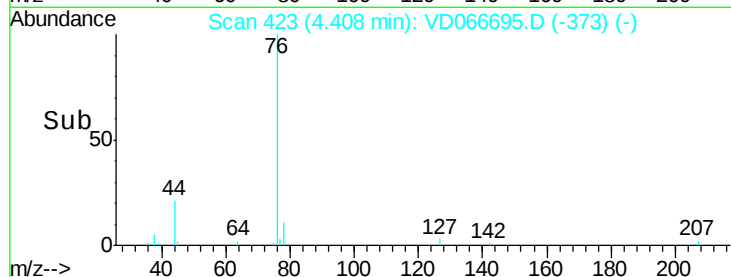
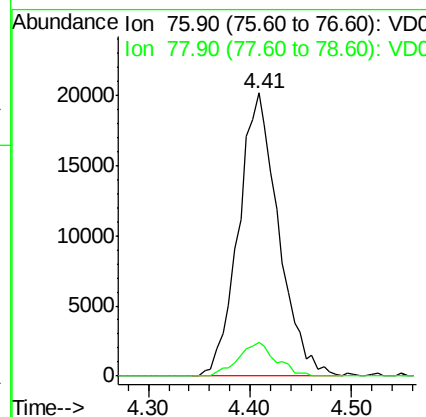
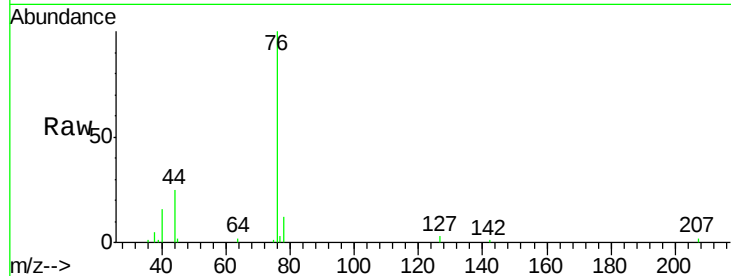
#17
Carbon Disulfide
Concen: 4.491 ug/l
RT: 4.41 min Scan# 423
Delta R.T. -0.01 min
Lab File: VD066695.D
Acq: 15 Sep 2020 13:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	12.1	8.0	12.0#

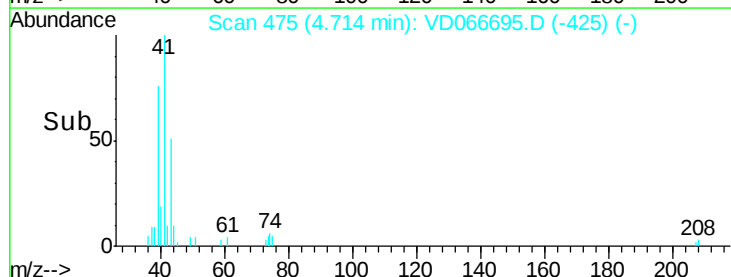
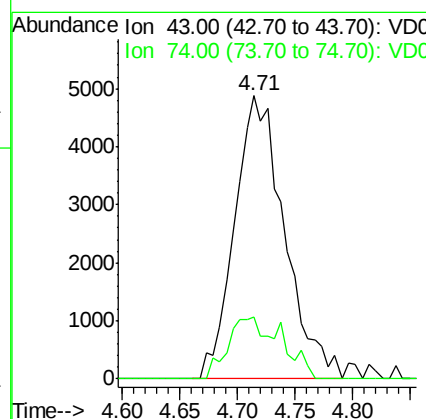
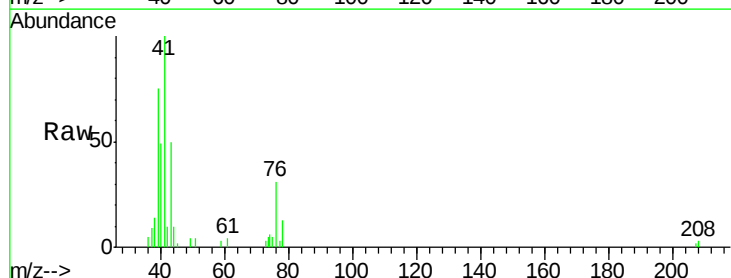
Manual Integrations
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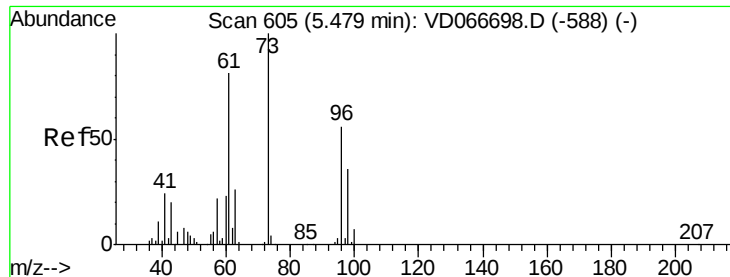
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#18
Methyl Acetate
Concen: 7.148 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.01 min
Lab File: VD066695.D
Acq: 15 Sep 2020 13:28

Tgt Ion	Ratio	Lower	Upper
43	100		
74	17.5	18.6	28.0#





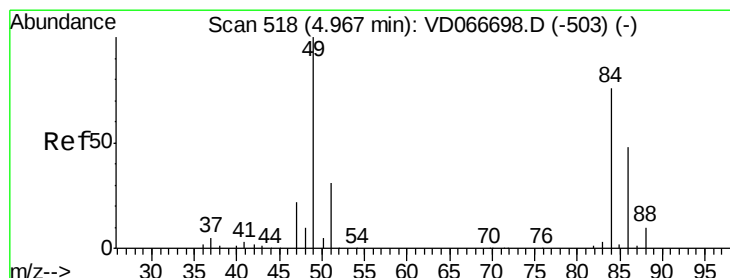
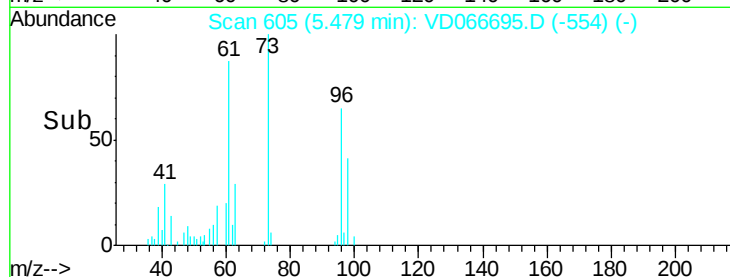
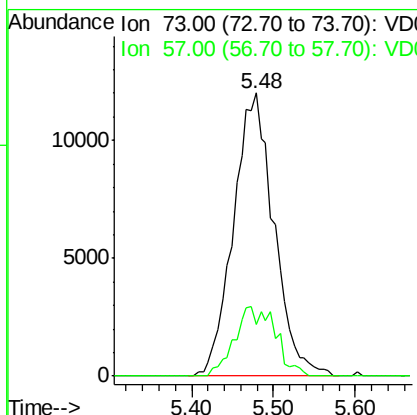
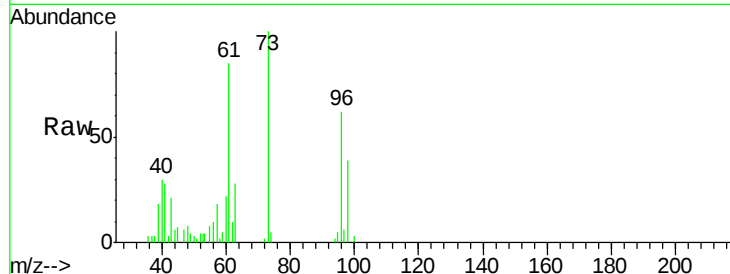
#19
Methvl tert-butvl Ether
Concen: 4.749 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.00 min
Lab File: VD066695.D
Acq: 15 Sep 2020 13:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 41374
Ion Ratio Lower Upper
73 100
57 18.1 17.8 26.6

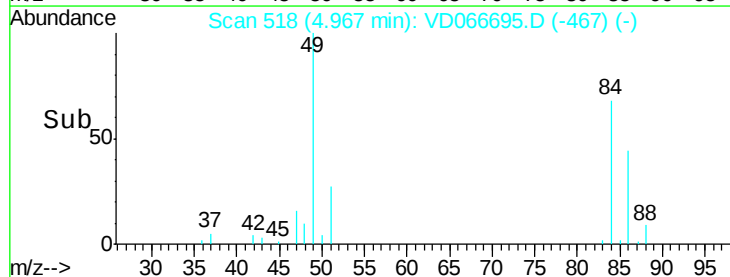
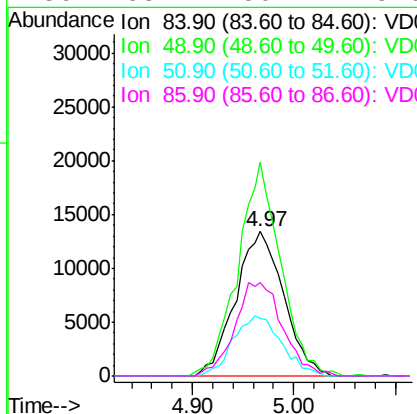
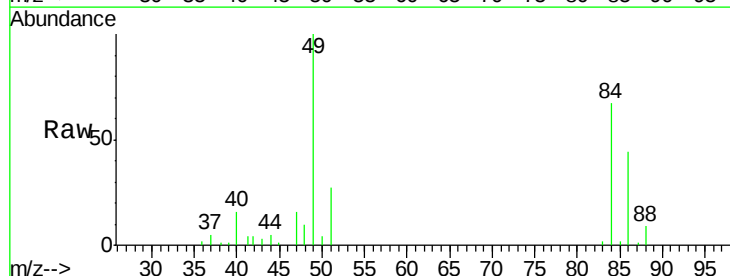
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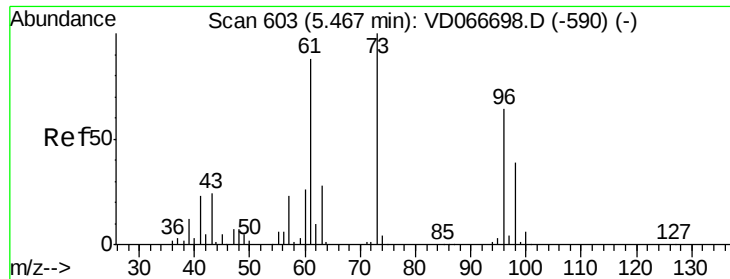
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#20
Methylene Chloride
Concen: 7.681 ug/l
RT: 4.97 min Scan# 518
Delta R.T. -0.00 min
Lab File: VD066695.D
Acq: 15 Sep 2020 13:28

Tgt Ion: 84 Resp: 44181
Ion Ratio Lower Upper
84 100
49 148.2 105.0 157.6
51 40.1 32.2 48.4
86 65.1 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 4.929 ug/l

RT: 5.48 min Scan# 605

Delta R.T. 0.01 min

Lab File: VD066695.D

Acq: 15 Sep 2020 13:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 96 Resp: 22461

Ion Ratio Lower Upper

96 100

61 138.3 110.6 166.0

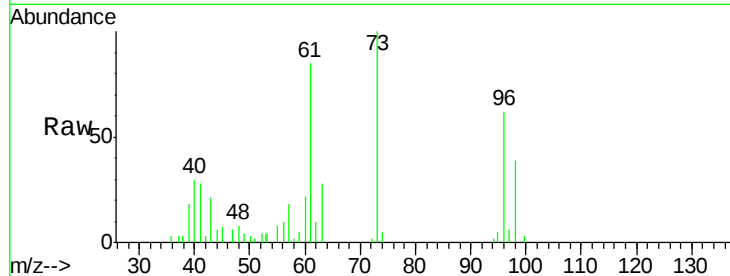
98 63.6 49.2 73.8

Manual Integrations

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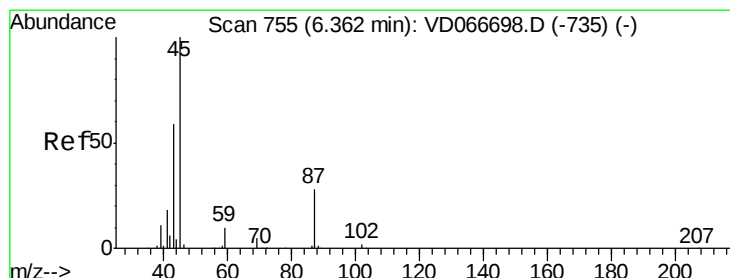
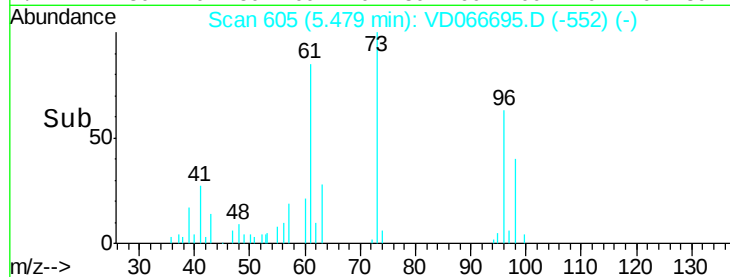
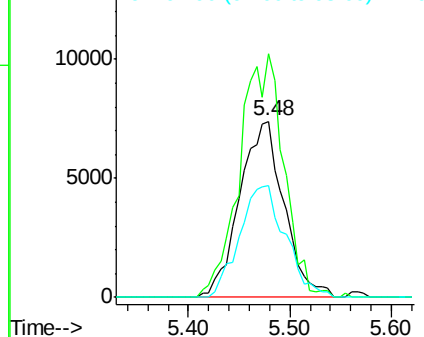
9/16/2020 11:44:14 AM



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: 4.582 ug/l

RT: 6.36 min Scan# 754

Delta R.T. -0.01 min

Lab File: VD066695.D

Acq: 15 Sep 2020 13:28

Tgt Ion: 45 Resp: 58481

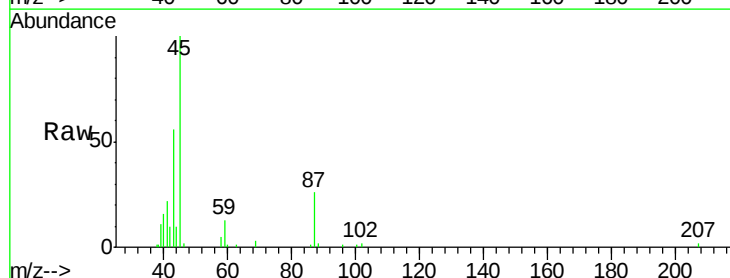
Ion Ratio Lower Upper

45 100

43 53.1 46.9 70.3

87 25.7 22.4 33.6

59 13.4 8.5 12.7#

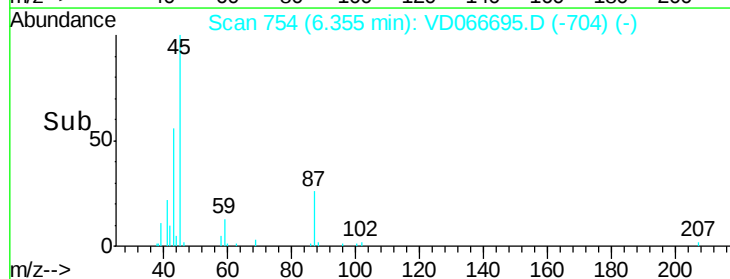
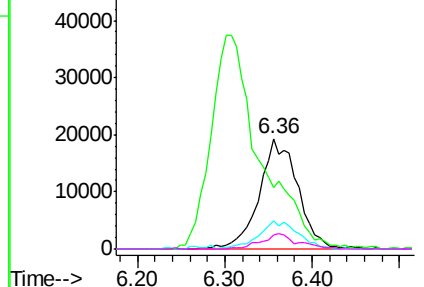


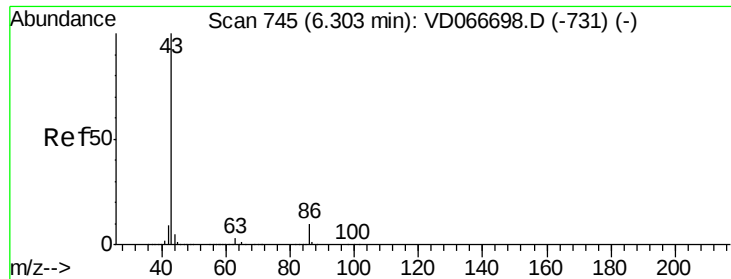
Abundance Ion 45.00 (44.70 to 45.70): VDC

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: 20.430 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.00 min

Lab File: VD066695.D

Acq: 15 Sep 2020 13:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 145039

Ion Ratio Lower Upper

43 100

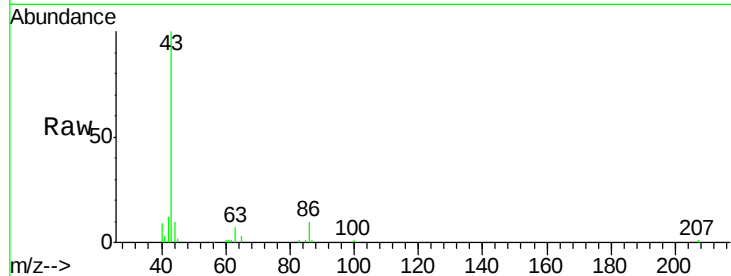
86 10.3 7.8 11.8

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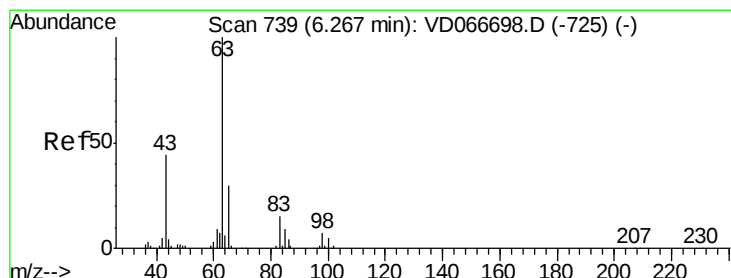
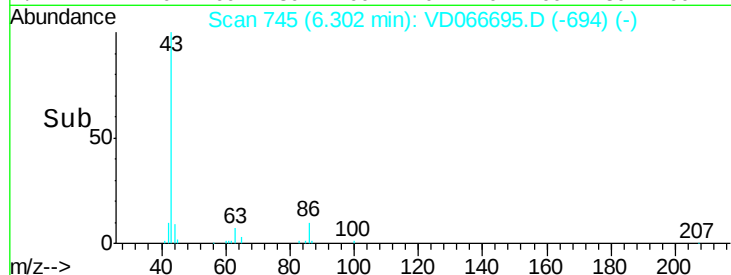
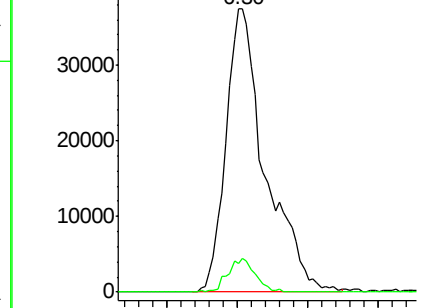
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 5.245 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD066695.D

Acq: 15 Sep 2020 13:28

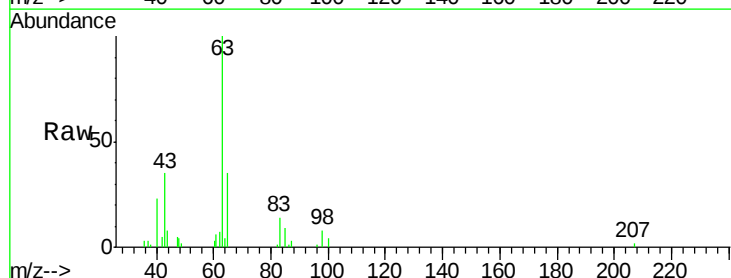
Tgt Ion: 63 Resp: 42475

Ion Ratio Lower Upper

63 100

98 8.1 3.4 10.2

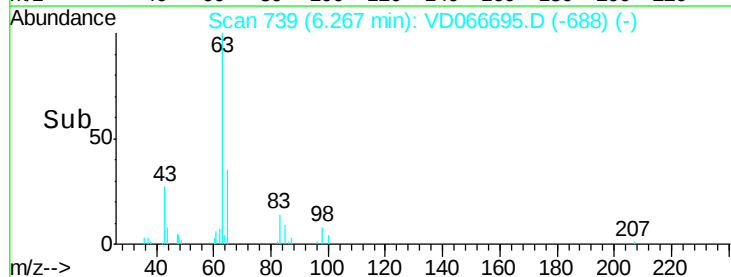
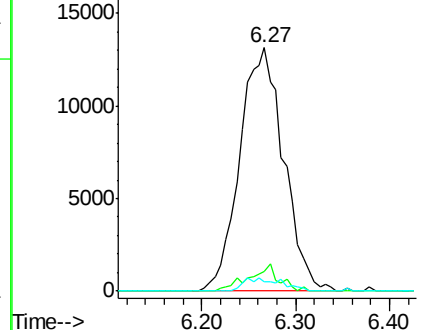
100 3.7 2.6 8.0

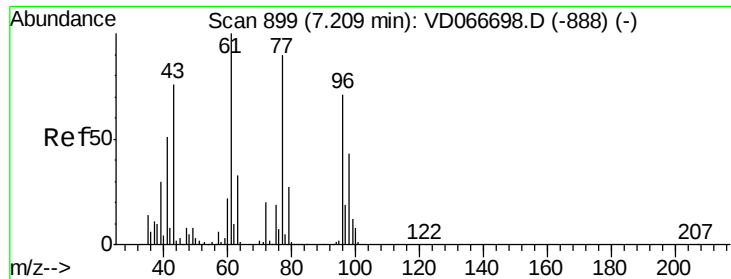


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





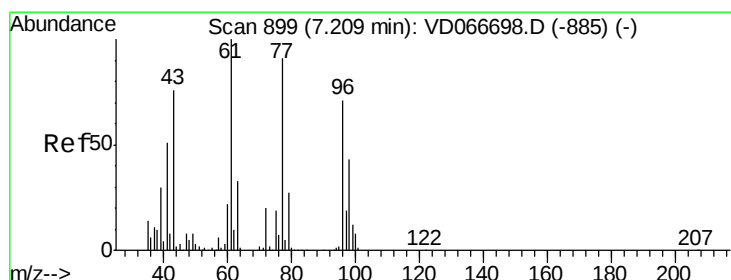
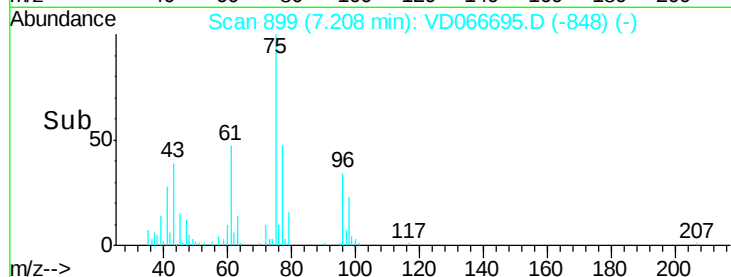
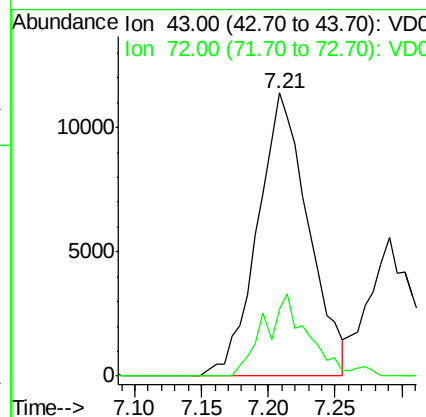
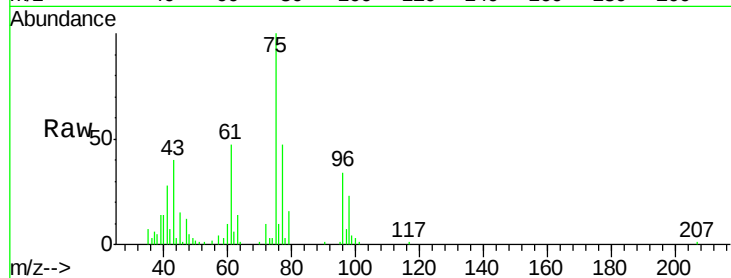
#25
2-Butanone
Concen: 27.153 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.00 min
Lab File: VD066695.D
Acq: 15 Sep 2020 13:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 30027
Ion Ratio Lower Upper
43 100
72 23.8 21.0 31.4

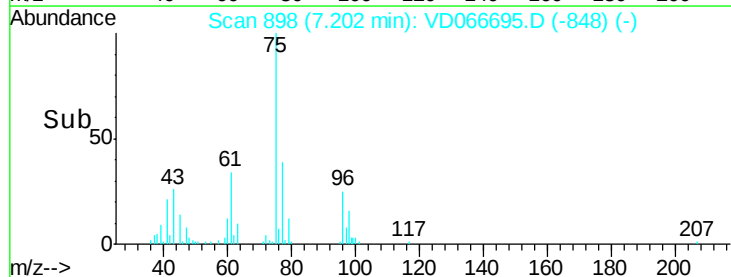
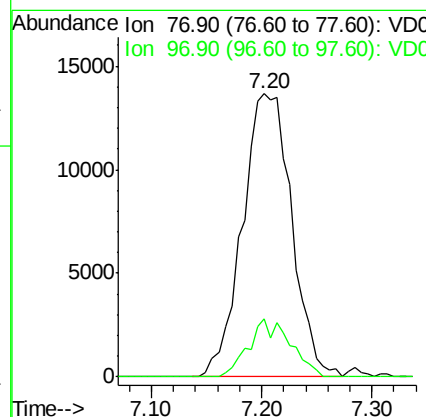
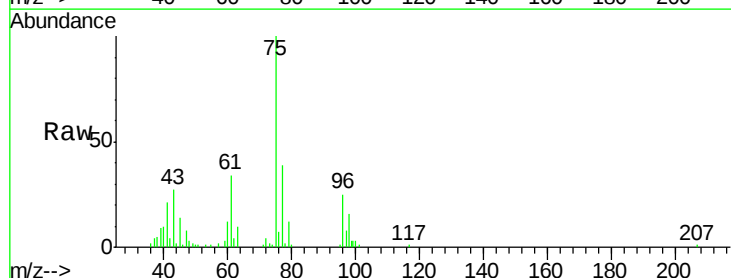
Manual Integrations
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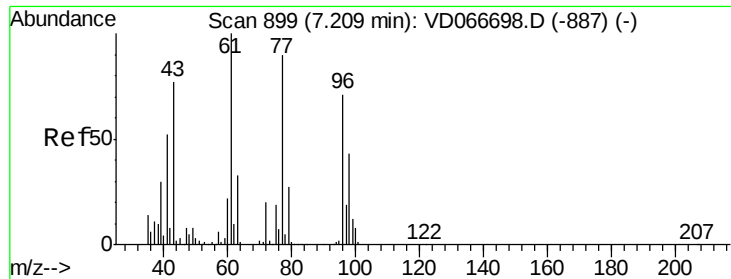
MMDadoda
9/16/2020 11:44:14 AM



#26
2,2-Dichloropropane
Concen: 5.693 ug/l
RT: 7.20 min Scan# 898
Delta R.T. -0.01 min
Lab File: VD066695.D
Acq: 15 Sep 2020 13:28

Tgt Ion: 77 Resp: 42637
Ion Ratio Lower Upper
77 100
97 17.4 10.6 31.8





#27

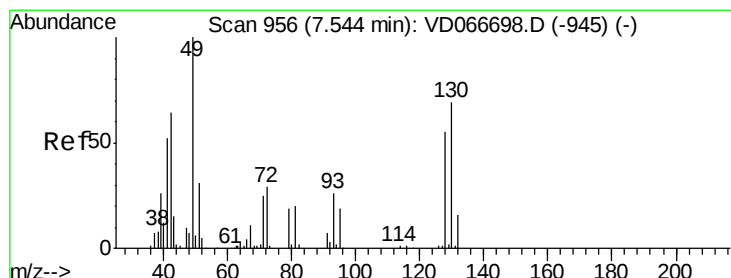
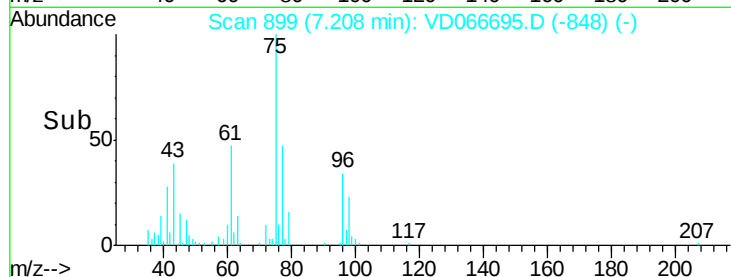
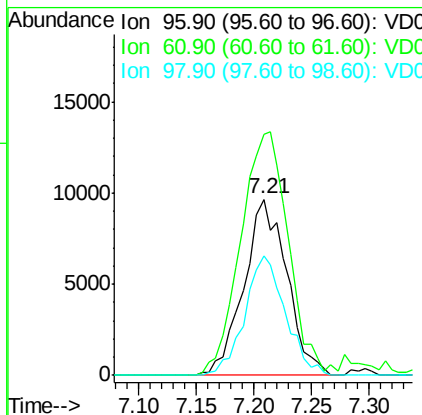
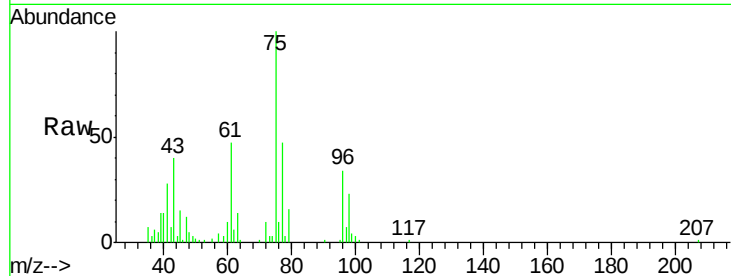
cis-1,2-Dichloroethene
Concen: 5.026 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.00 min
Lab File: VD066695.D
Acq: 15 Sep 2020 13:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	151.9	0.0	292.4
98	64.0	0.0	127.0

Manual Integrations
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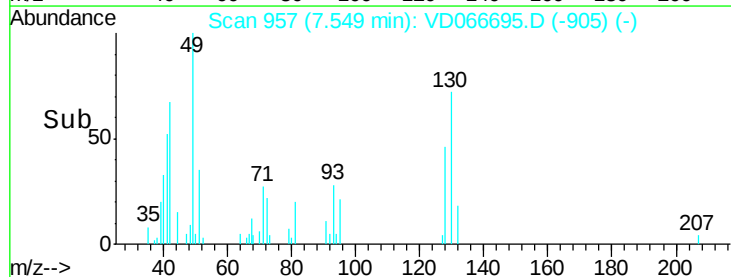
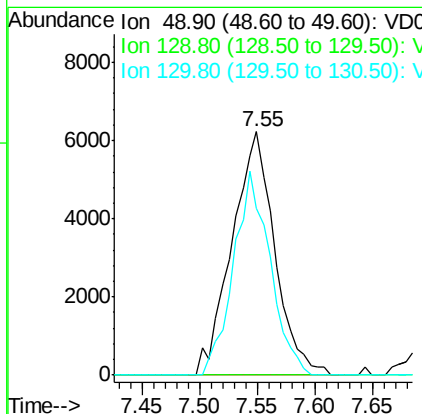
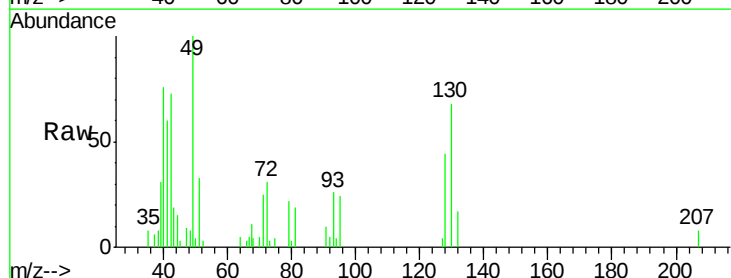
MMDadoda
9/16/2020 11:44:14 AM

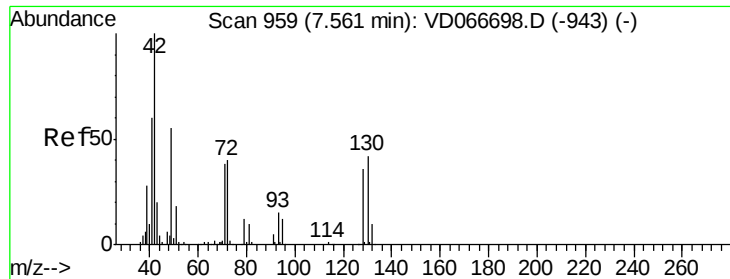


#28

Bromochloromethane
Concen: 5.279 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.01 min
Lab File: VD066695.D
Acq: 15 Sep 2020 13:28

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.8
130	71.9	58.6	88.0





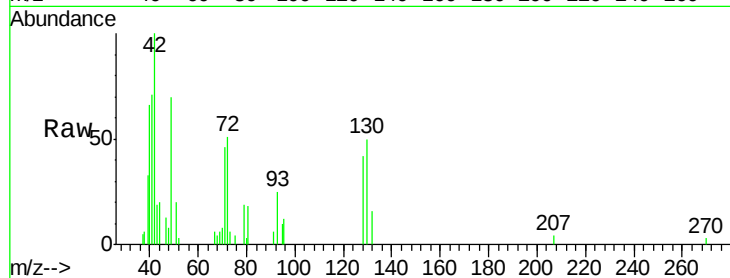
#29
Tetrahydrofuran
Concen: 24.854 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.00 min
Lab File: VD066695.D
Acq: 15 Sep 2020 13:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

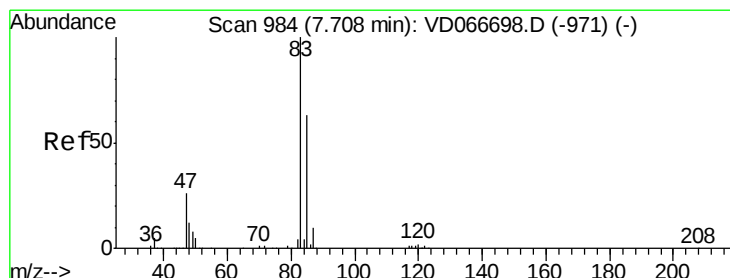
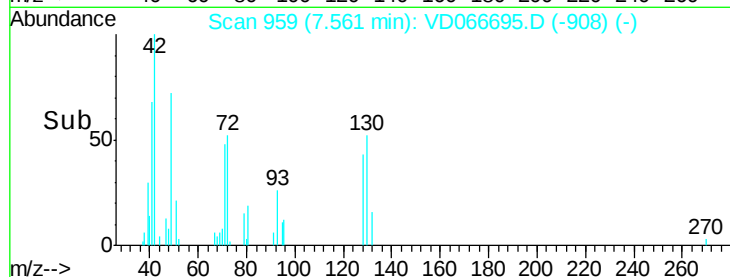
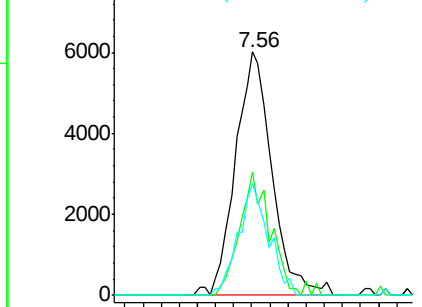
Tot Ion	Ratio	Lower	Upper
42	100		
72	42.2	32.6	48.8
71	38.3	30.6	45.8

Manual Integrations
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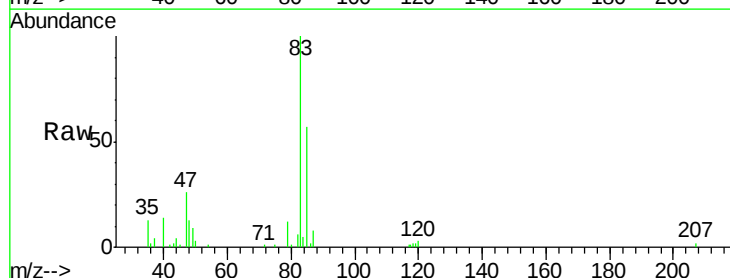


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

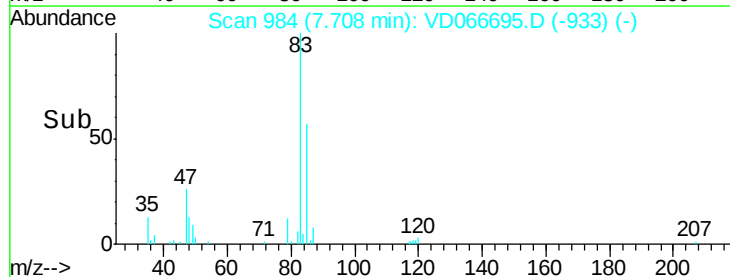
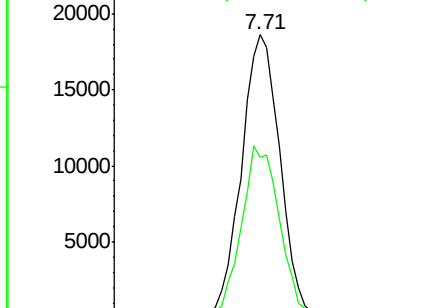


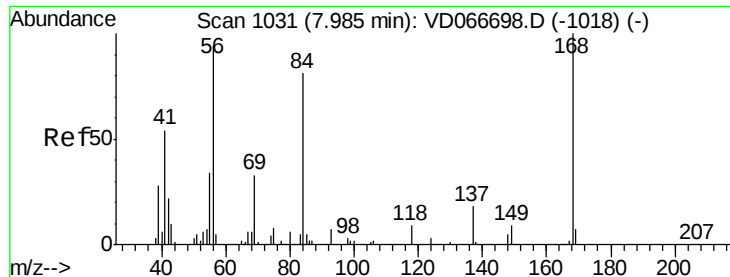
#30
Chloroform
Concen: 5.352 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.00 min
Lab File: VD066695.D
Acq: 15 Sep 2020 13:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	56.7	50.6	76.0



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC





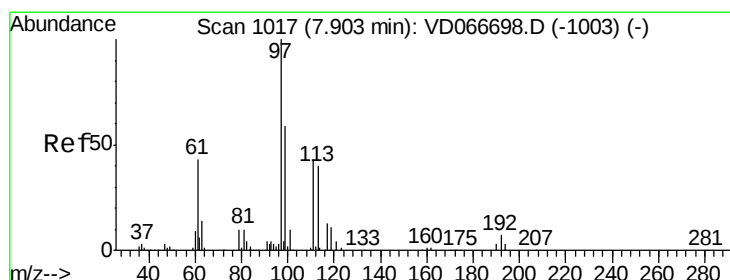
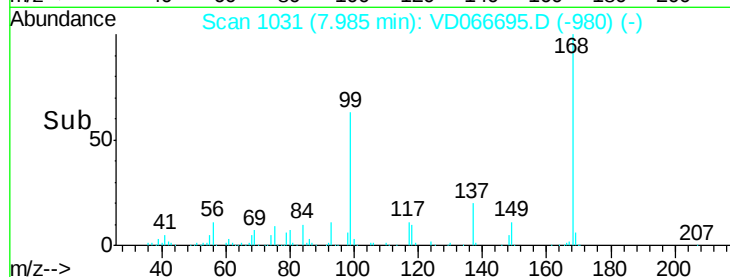
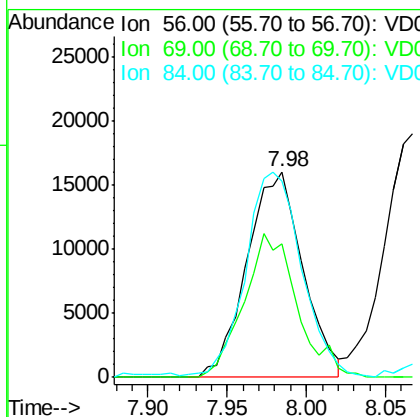
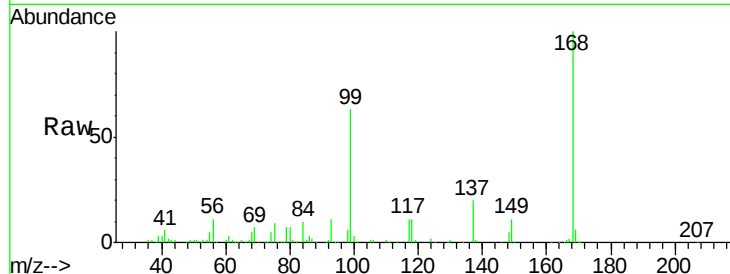
#31
Cvclohexane
Concen: 5.332 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD066695.D
Acq: 15 Sep 2020 13:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	65.1	27.7	41.5#
84	93.9	68.5	102.7

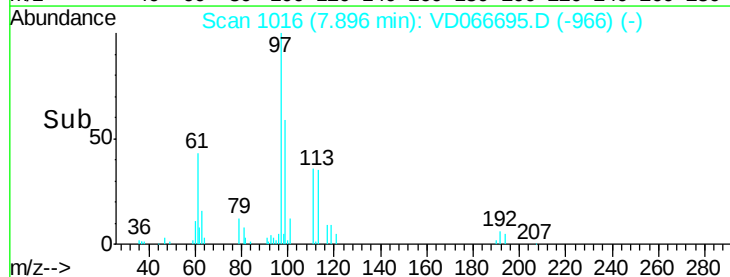
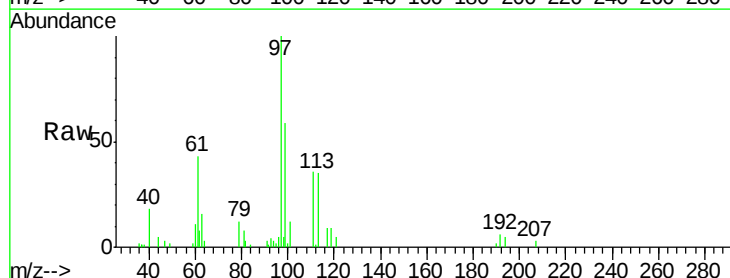
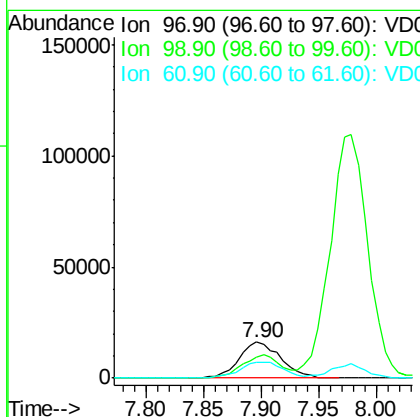
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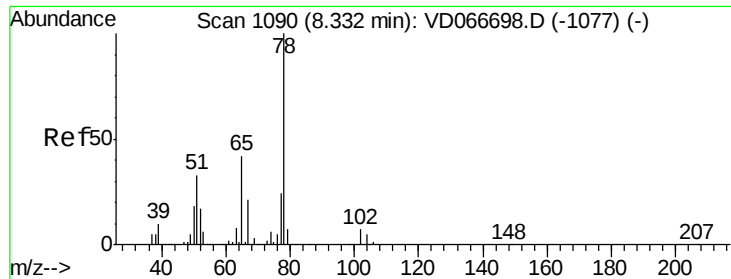
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#32
1,1,1-Trichloroethane
Concen: 5.200 ug/l
RT: 7.90 min Scan# 1016
Delta R.T. -0.01 min
Lab File: VD066695.D
Acq: 15 Sep 2020 13:28

Tgt Ion	Ratio	Lower	Upper
97	100		
99	57.7	51.0	76.4
61	45.3	35.2	52.8





#33

1,2-Dichloroethane-d4

Concen: 6.093 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066695.D

Acq: 15 Sep 2020 13:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 65 Resp: 25410

Ion Ratio Lower Upper

65 100

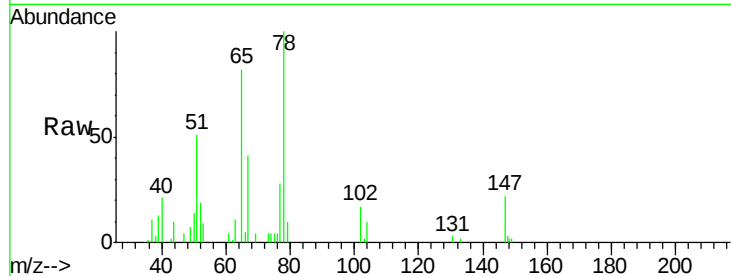
67 49.0 0.0 102.2

Manual Integrations

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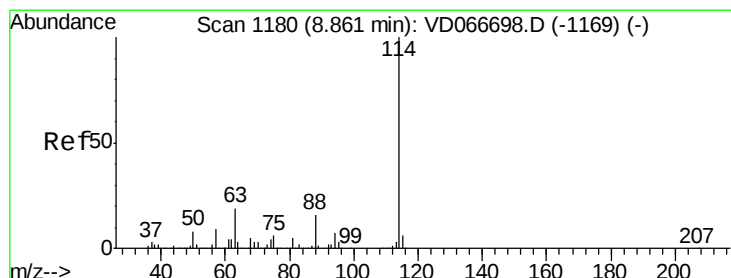
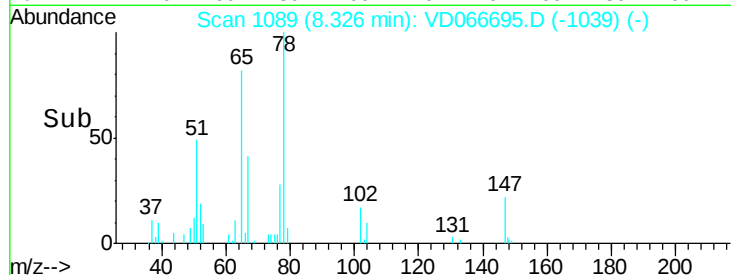
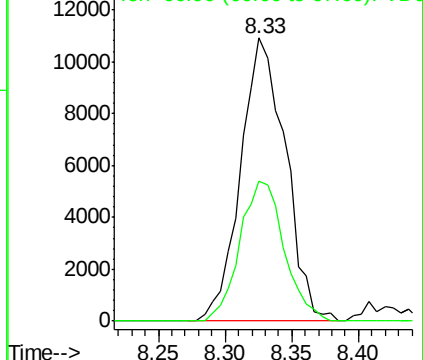
MMDadoda

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Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD066695.D

Acq: 15 Sep 2020 13:28

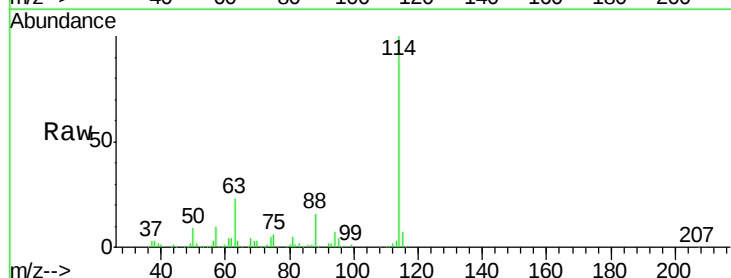
Tgt Ion: 114 Resp: 665810

Ion Ratio Lower Upper

114 100

63 23.3 0.0 37.6

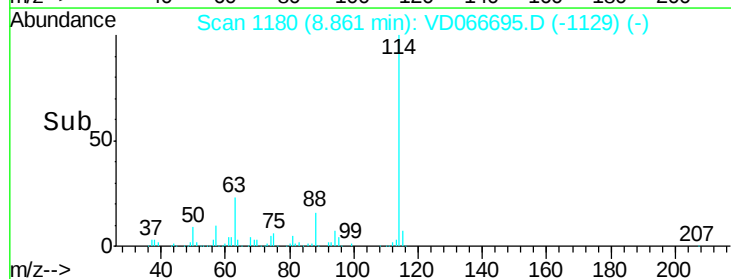
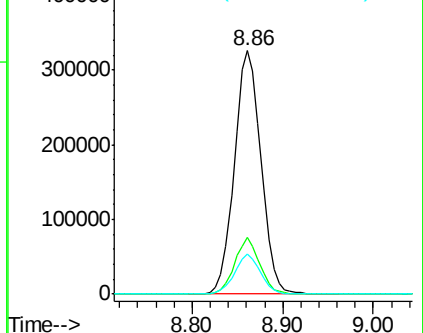
88 16.4 0.0 32.2

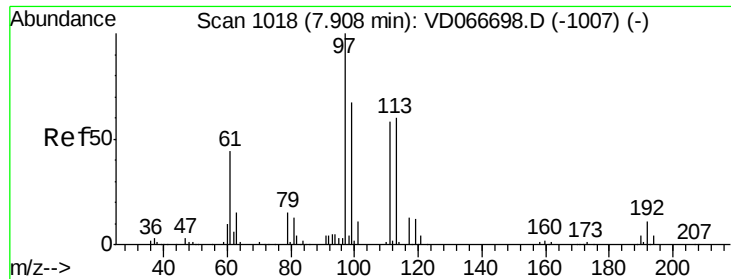


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





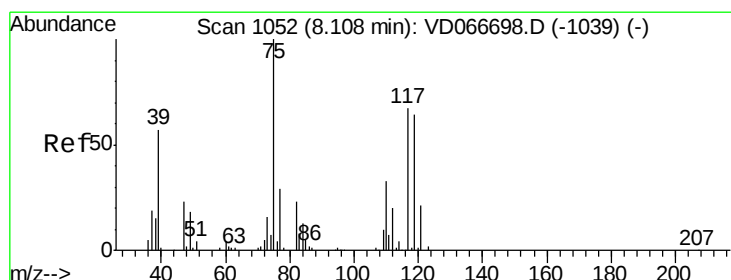
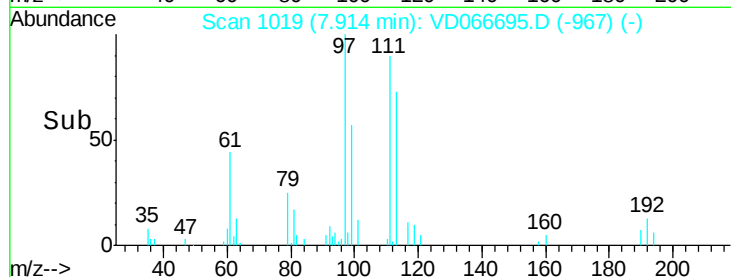
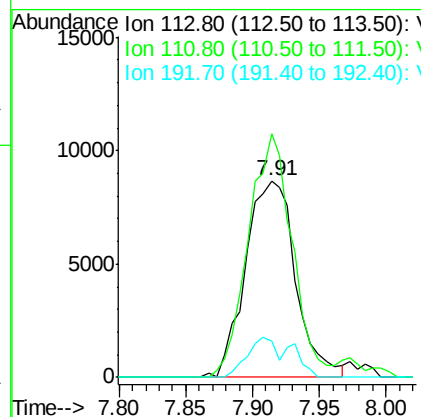
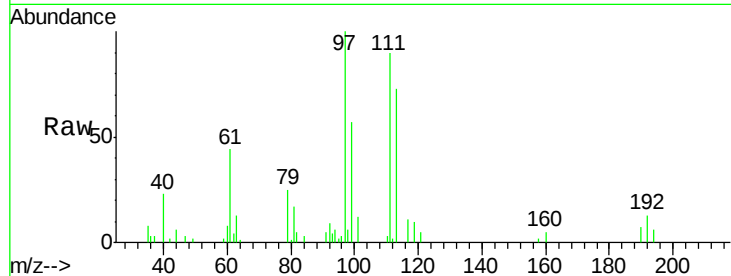
#35
 Dibromofluoromethane
 Concen: 5.507 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VD066695.D
 Acq: 15 Sep 2020 13:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
113	100	22478		
111	108.5	83.2	124.8	
192	11.5	14.8	22.2	

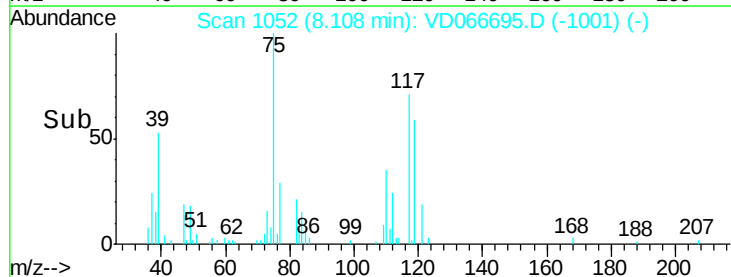
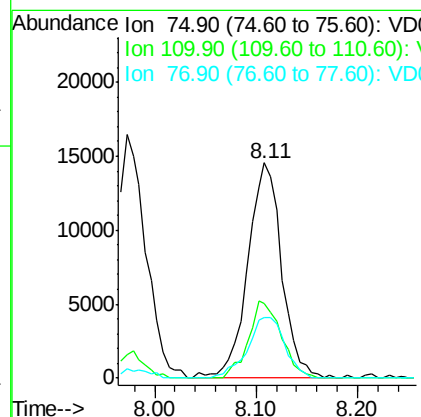
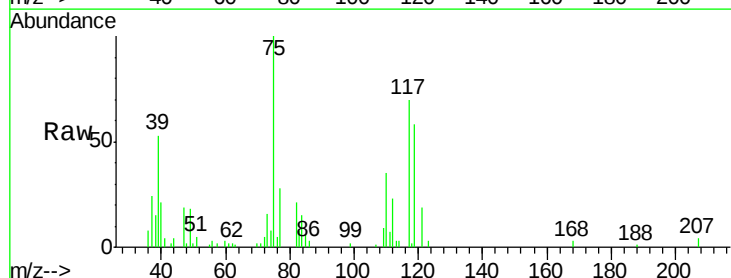
Manual Integrations
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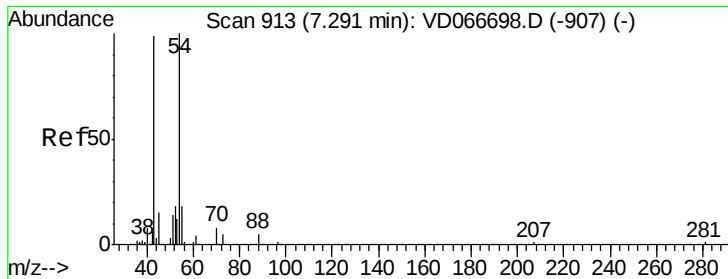
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#36
 1,1-Dichloropropene
 Concen: 4.928 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: VD066695.D
 Acq: 15 Sep 2020 13:28

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	33732		
110	34.8	17.1	51.2	
77	31.2	25.0	37.6	





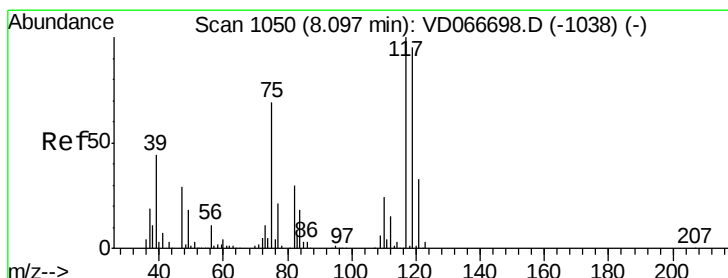
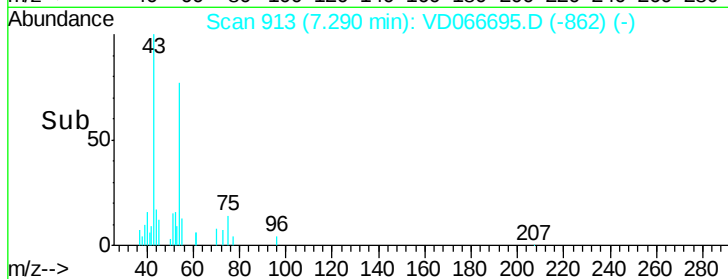
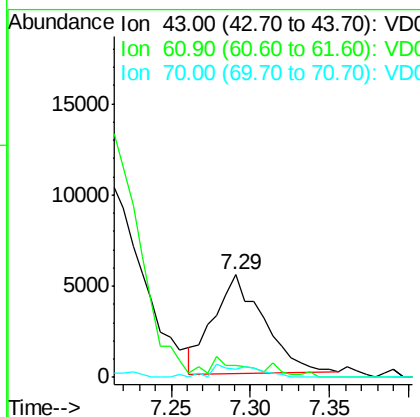
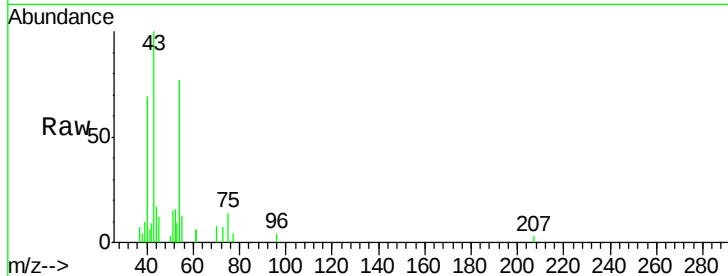
#37
Ethyl Acetate
Concen: 4.611 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD066695.D
Acq: 15 Sep 2020 13:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.4	15.6#
70	10.8	7.5	11.3

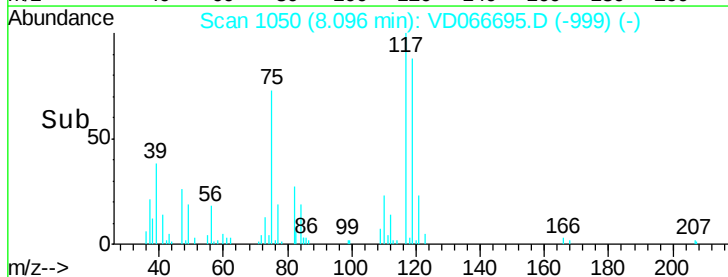
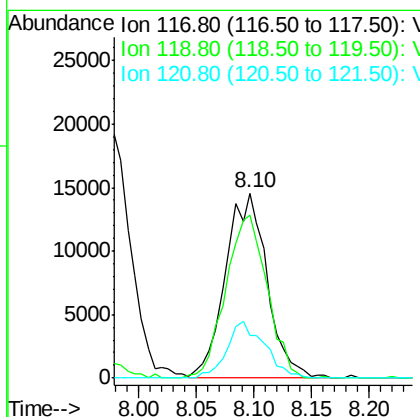
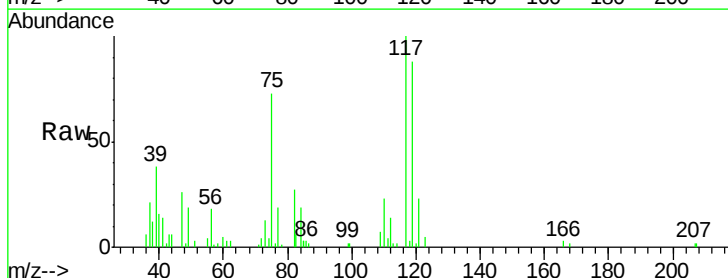
Manual Integrations
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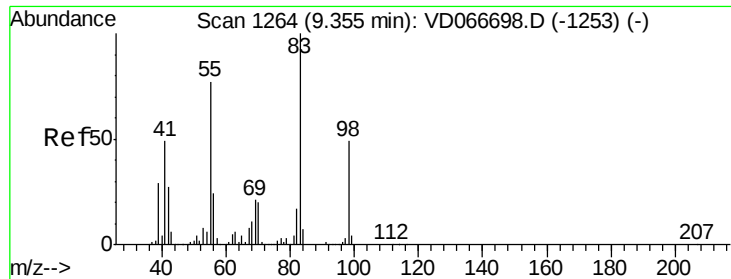
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#38
Carbon Tetrachloride
Concen: 5.013 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD066695.D
Acq: 15 Sep 2020 13:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	88.3	75.8	113.6
121	22.8	26.2	39.4#





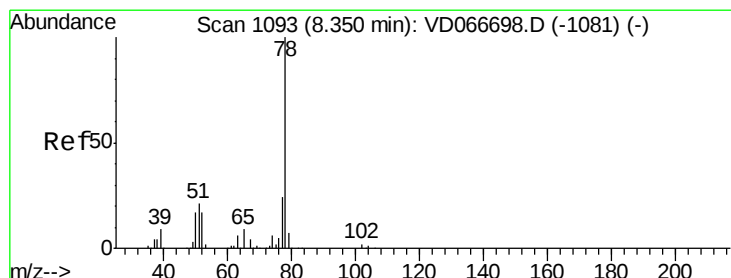
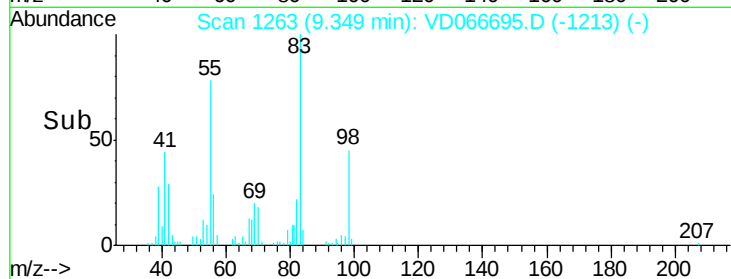
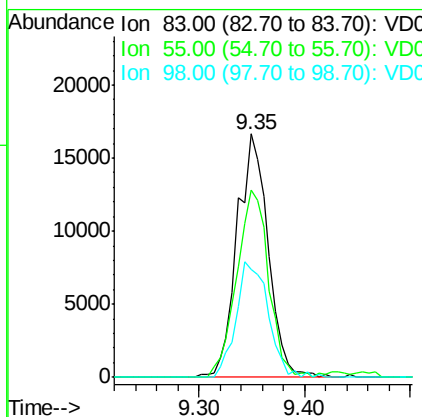
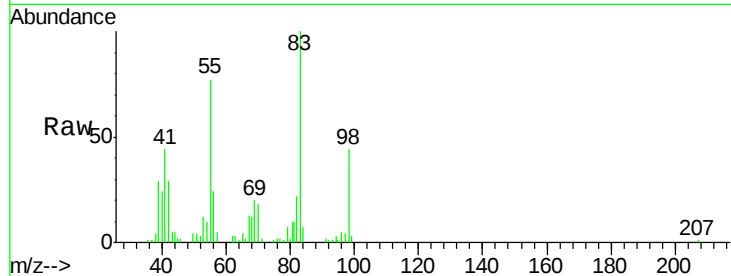
#39
Methvlcvclohexane
Concen: 4.327 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VD066695.D
Acq: 15 Sep 2020 13:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	83	Resp	33880
Ion Ratio	Lower	Upper	
83	100		
55	77.0	61.5	92.3
98	44.4	39.3	58.9

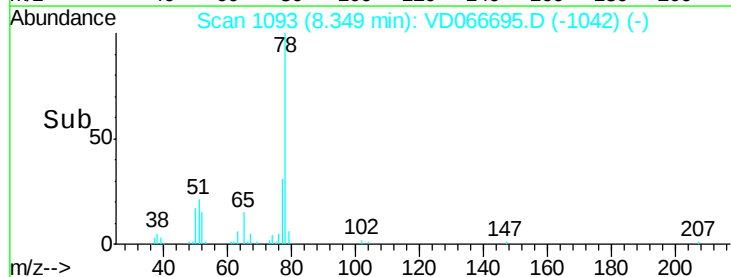
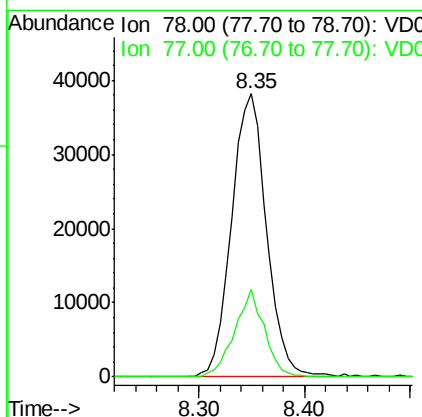
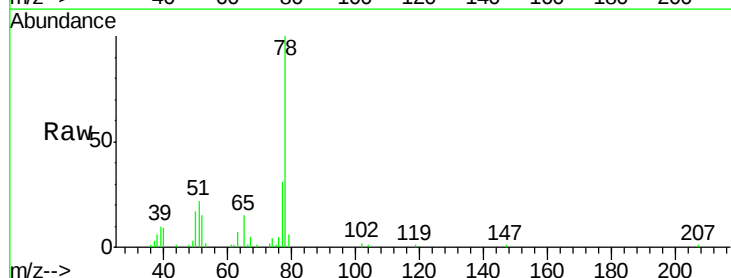
Manual Integrations
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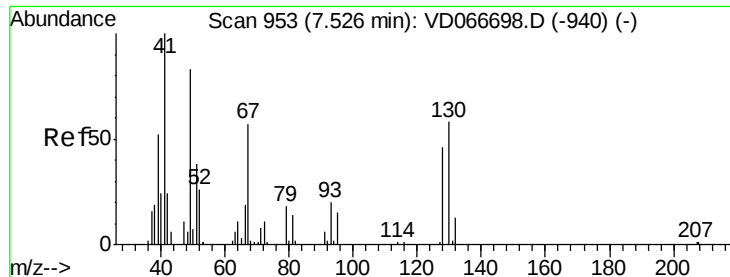
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#40
Benzene
Concen: 4.707 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD066695.D
Acq: 15 Sep 2020 13:28

Tgt Ion	78	Resp	87181
Ion Ratio	Lower	Upper	
78	100		
77	30.9	19.3	28.9#





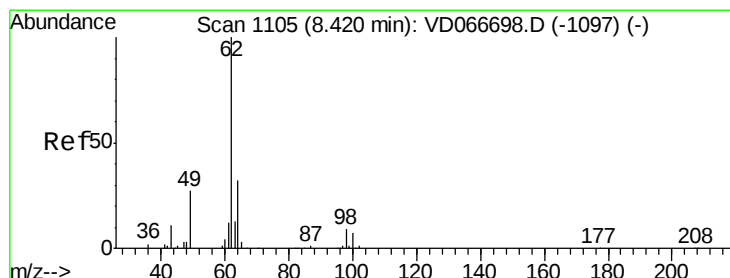
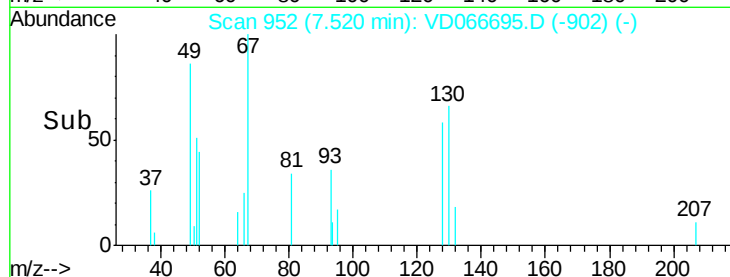
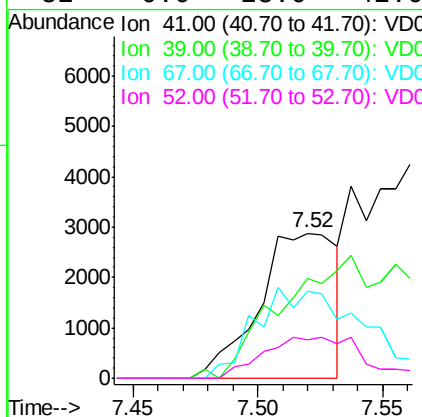
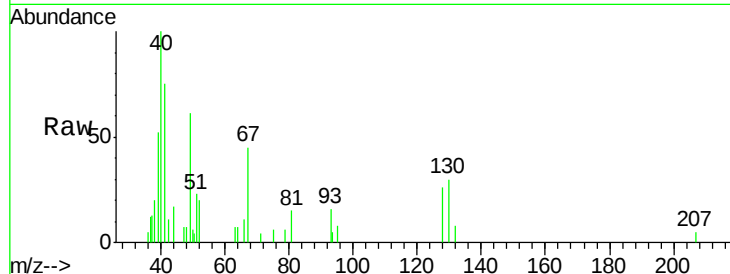
#41
Methacrylonitrile
Concen: 5.012 ug/l m
RT: 7.52 min Scan# 952
Delta R.T. -0.01 min
Lab File: VD066695.D
Acq: 15 Sep 2020 13:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	59.3	88.9#
67	0.0	62.3	93.5#
52	0.0	28.0	42.0#

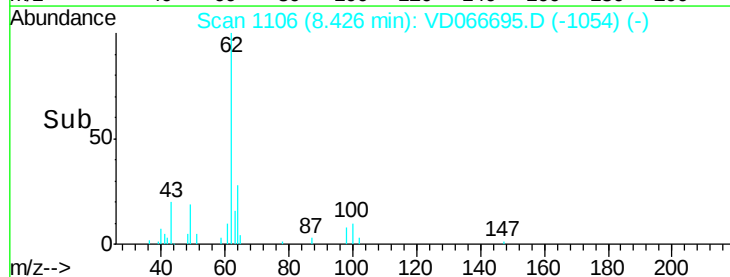
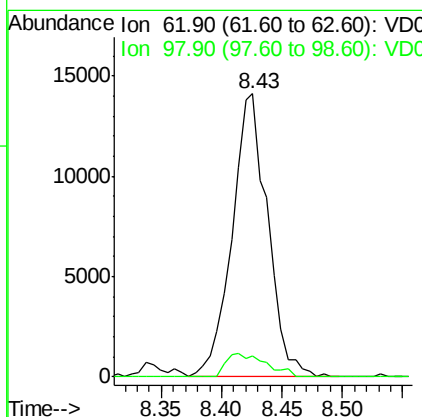
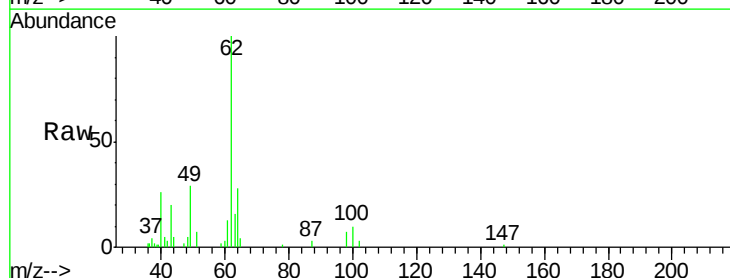
Manual Integrations
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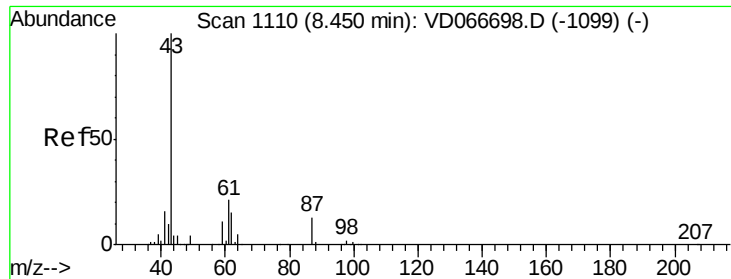
MMDadoda
9/16/2020 11:44:14 AM



#42
1,2-Dichloroethane
Concen: 5.060 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.01 min
Lab File: VD066695.D
Acq: 15 Sep 2020 13:28

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	17.6





#43

Isopropyl Acetate

Concen: 5.034 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VD066695.D

Acq: 15 Sep 2020 13:28

Instrument :

MSVOA_D

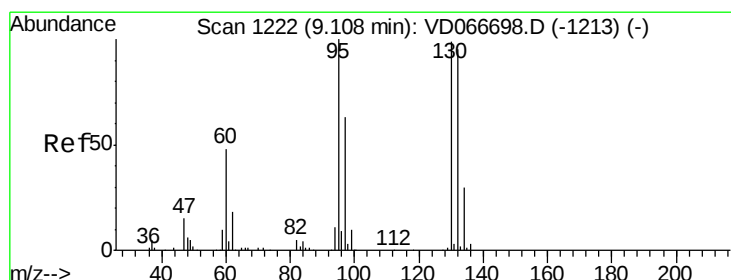
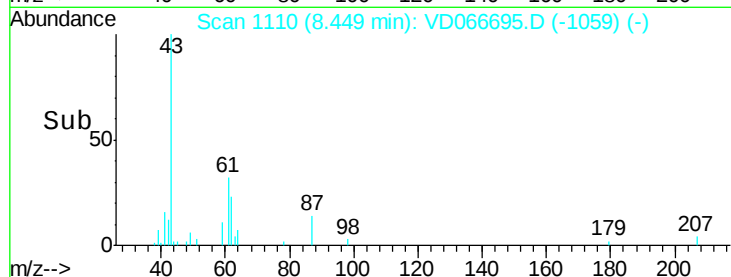
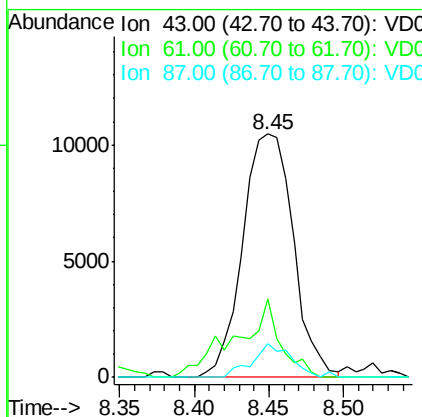
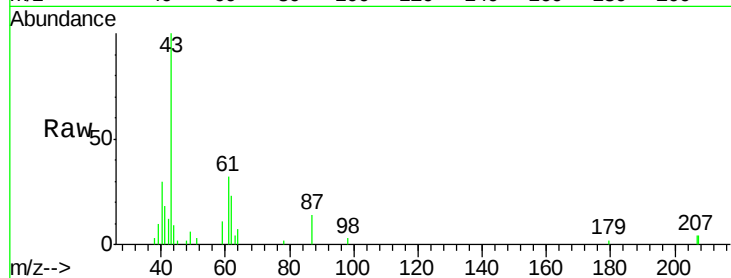
ClientSampleID :

VSTDIC005

Tot Ion:	43	Resp:	24554
Ion	Ratio	Lower	Upper
43	100		
61	28.7	24.8	37.2
87	10.5	10.4	15.6

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#44

Trichloroethene

Concen: 4.835 ug/l

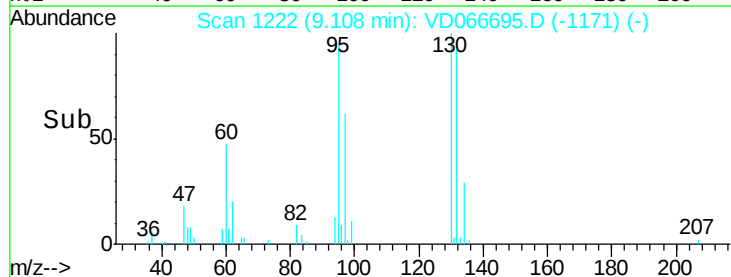
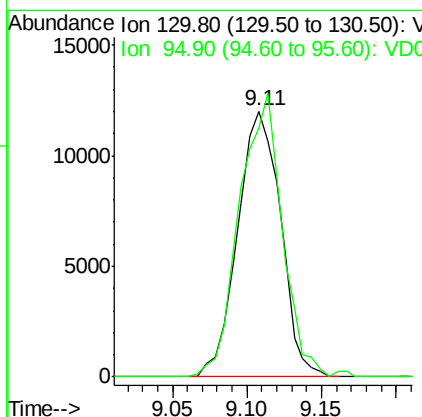
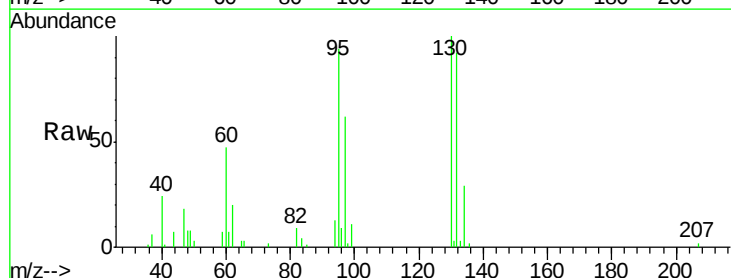
RT: 9.11 min Scan# 1222

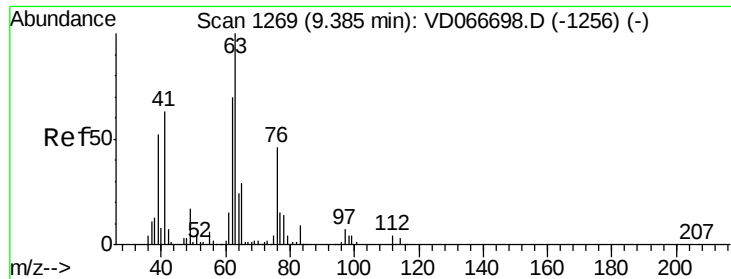
Delta R.T. -0.00 min

Lab File: VD066695.D

Acq: 15 Sep 2020 13:28

Tgt Ion:	130	Resp:	23939
Ion	Ratio	Lower	Upper
130	100		
95	93.5	0.0	201.4





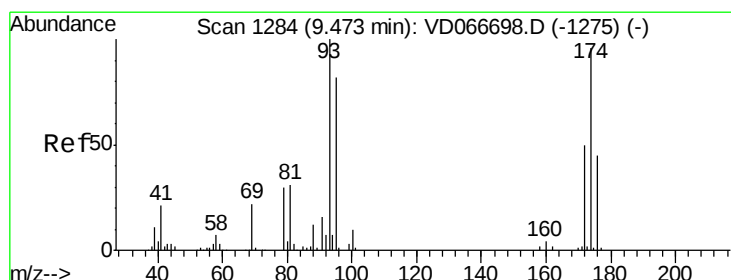
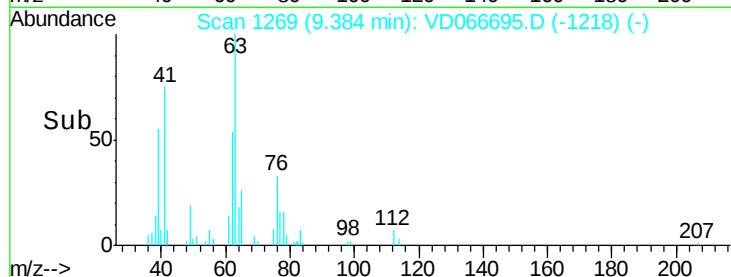
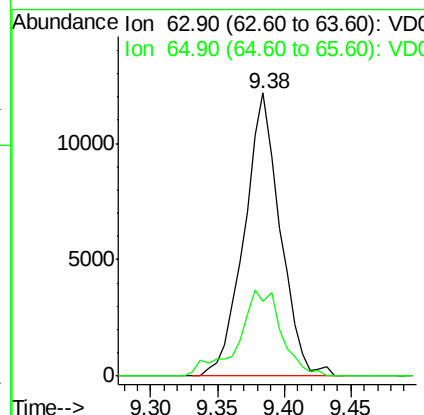
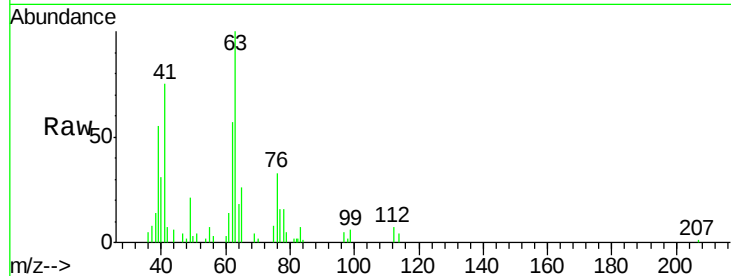
#45
 1,2-Dichloropropane
 Concen: 4.952 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VD066695.D
 Acq: 15 Sep 2020 13:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion: 63 Resp: 22671
 Ion Ratio Lower Upper
 63 100
 65 26.2 23.4 35.0

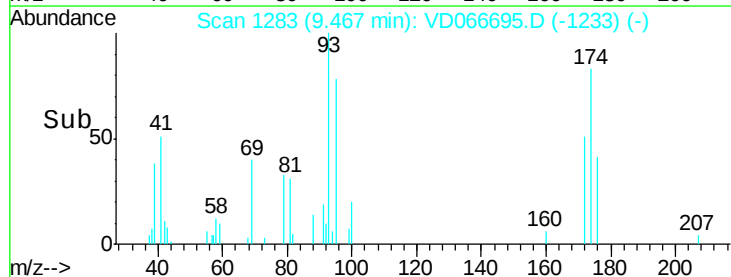
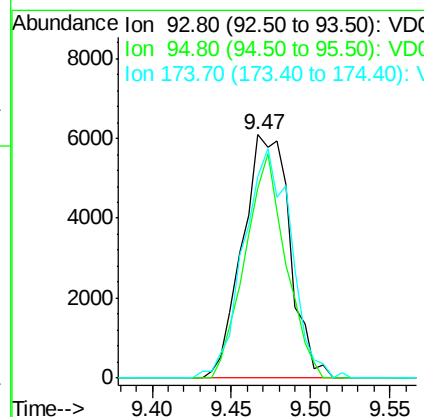
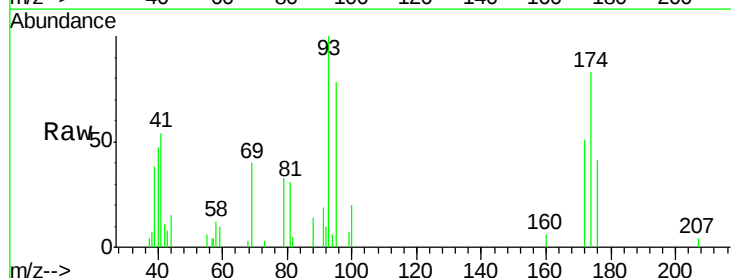
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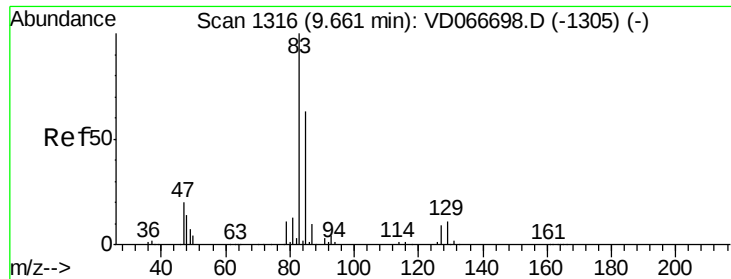
MMDadoda
 9/16/2020 11:44:14 AM



#46
 Dibromomethane
 Concen: 5.046 ug/l
 RT: 9.47 min Scan# 1283
 Delta R.T. -0.01 min
 Lab File: VD066695.D
 Acq: 15 Sep 2020 13:28

Tgt Ion: 93 Resp: 12695
 Ion Ratio Lower Upper
 93 100
 95 78.7 66.0 99.0
 174 94.1 72.3 108.5





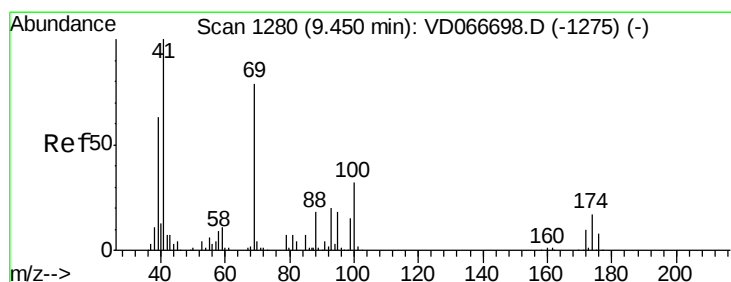
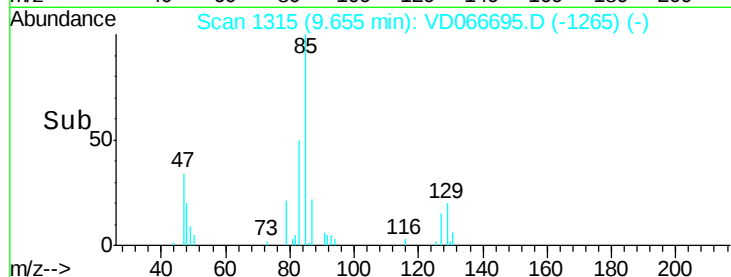
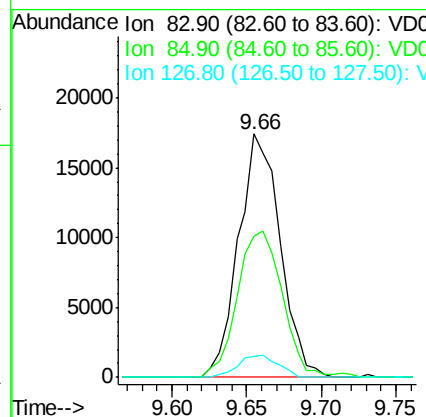
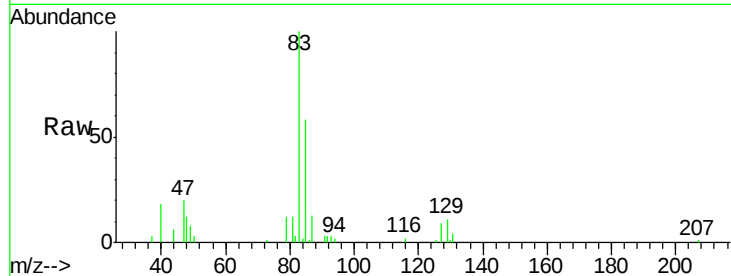
#47
Bromodichloromethane
Concen: 4.922 ug/l
RT: 9.66 min Scan# 1315
Delta R.T. -0.01 min
Lab File: VD066695.D
Acq: 15 Sep 2020 13:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	83	Resp	33744
Ion Ratio	100	Lower	Upper
83	100		
85	57.9	50.1	75.1
127	8.6	6.9	10.3

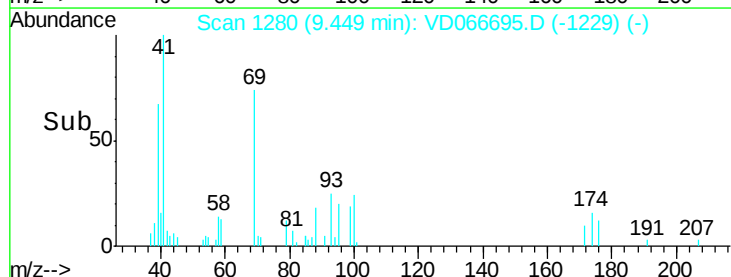
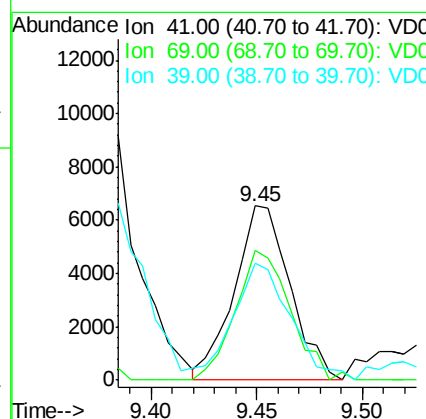
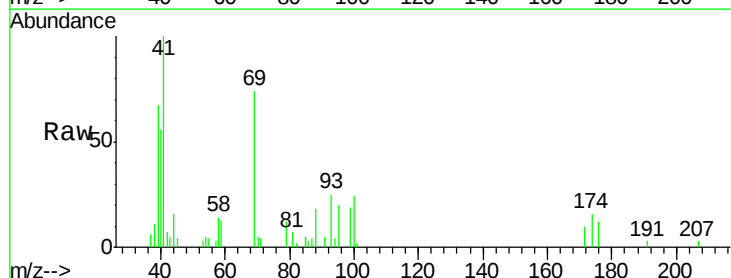
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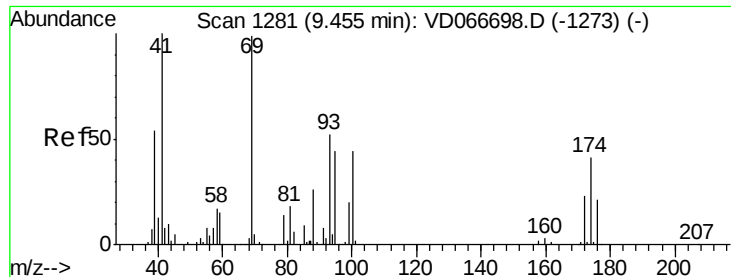
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#48
Methyl methacrylate
Concen: 4.841 ug/l
RT: 9.45 min Scan# 1280
Delta R.T. -0.00 min
Lab File: VD066695.D
Acq: 15 Sep 2020 13:28

Tgt Ion	41	Resp	12010
Ion Ratio	100	Lower	Upper
41	100		
69	73.3	62.4	93.6
39	68.9	44.8	67.2#





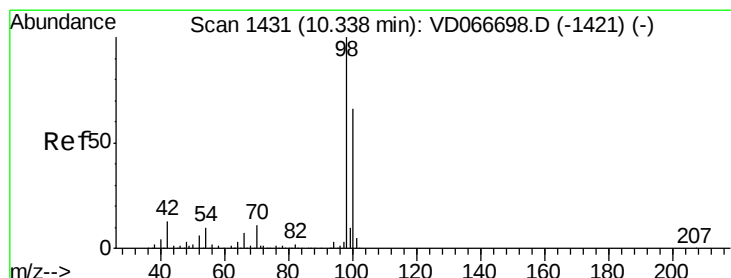
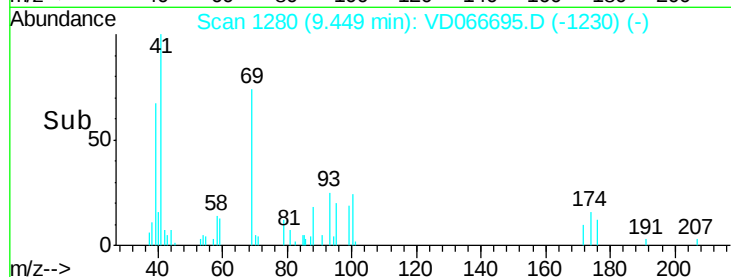
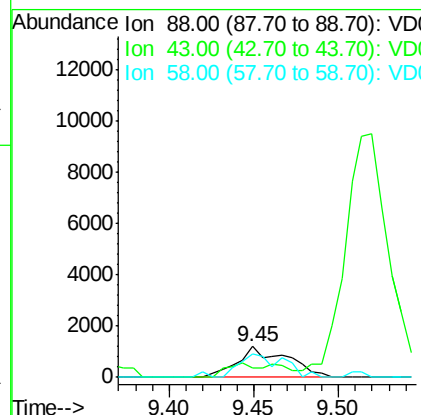
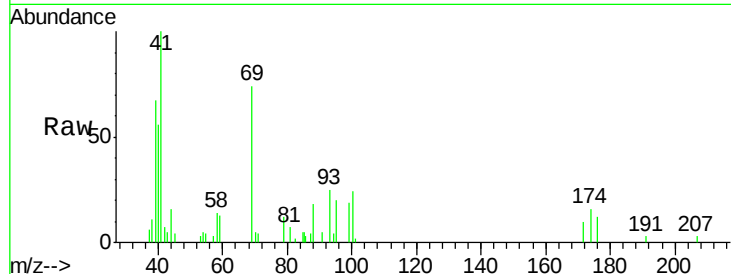
#49
1,4-Dioxane
Concen: 90.576 ug/l
RT: 9.45 min Scan# 1280
Delta R.T. -0.01 min
Lab File: VD066695.D
Acq: 15 Sep 2020 13:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	88	Resp	2441
Ion	Ratio	Lower	Upper
88	100		
43	24.7	29.3	43.9#
58	67.6	51.4	77.2

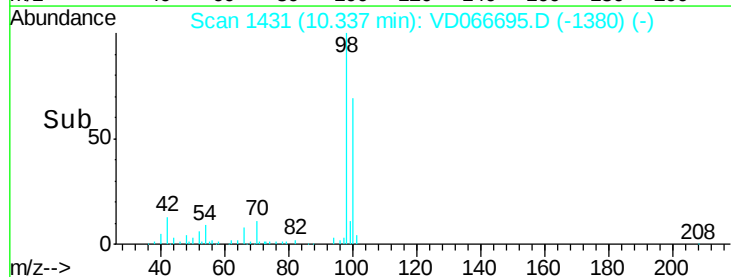
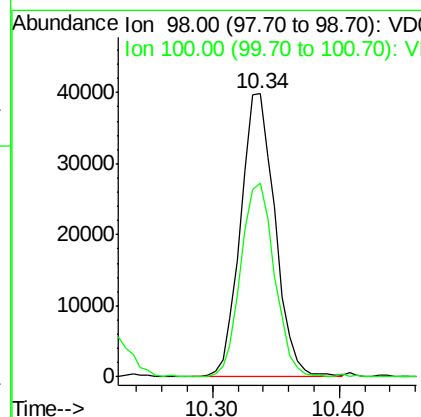
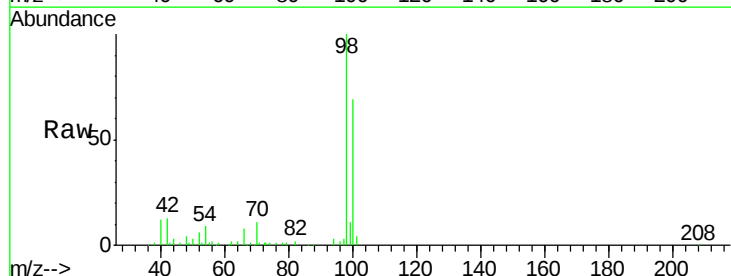
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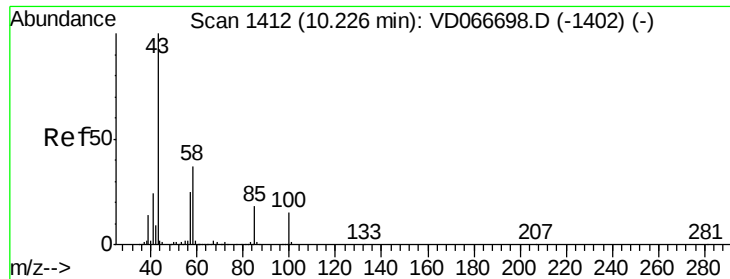
MMDadoda
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#50
Toluene-d8
Concen: 5.167 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066695.D
Acq: 15 Sep 2020 13:28

Tgt Ion	98	Resp	75147
Ion	Ratio	Lower	Upper
98	100		
100	66.9	52.7	79.1





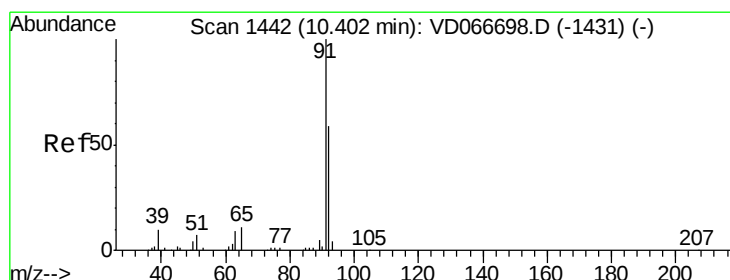
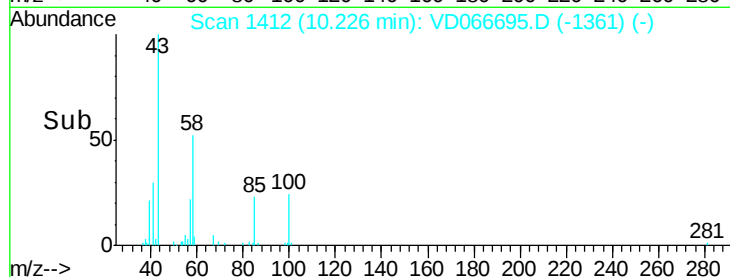
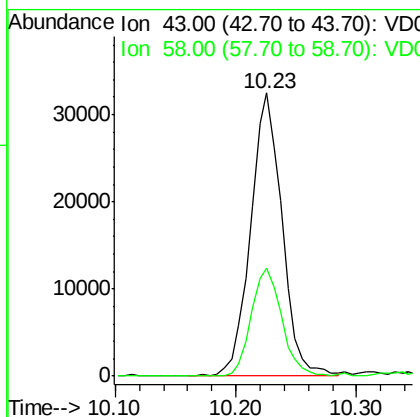
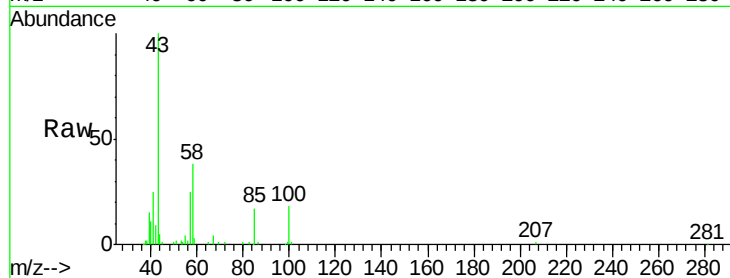
#51
4-Methyl-2-Pentanone
Concen: 23.479 ug/l
RT: 10.23 min Scan# 1412
Delta R.T. -0.00 min
Lab File: VD066695.D
Acq: 15 Sep 2020 13:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	43	Resp	58963
Ion Ratio	100	Lower	Upper
43	100		
58	37.0	30.4	45.6

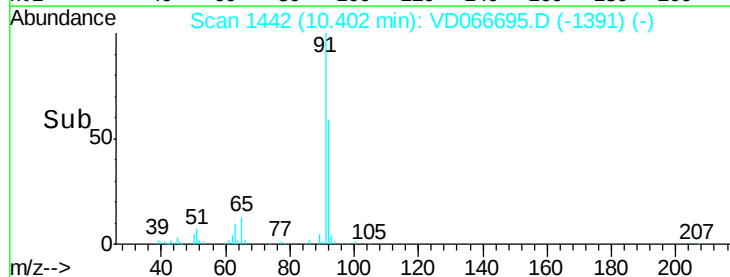
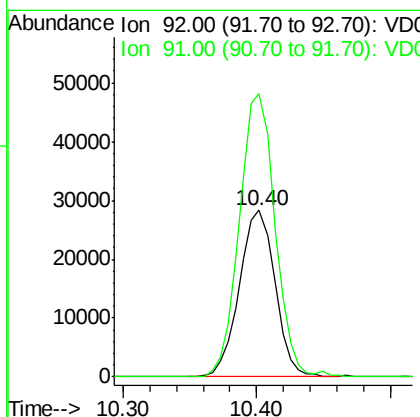
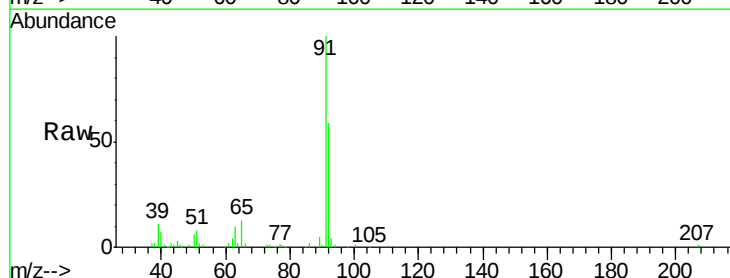
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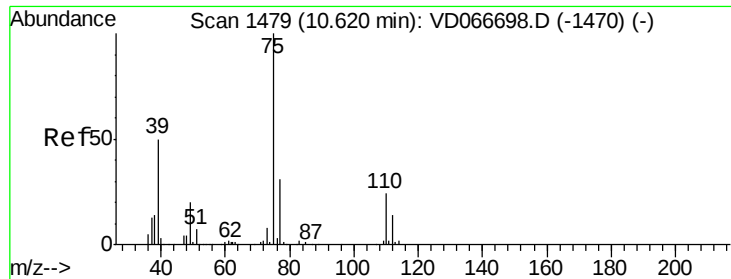
MMDadoda
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#52
Toluene
Concen: 4.425 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. -0.00 min
Lab File: VD066695.D
Acq: 15 Sep 2020 13:28

Tgt Ion	92	Resp	52501
Ion Ratio	100	Lower	Upper
92	100		
91	169.7	135.8	203.8





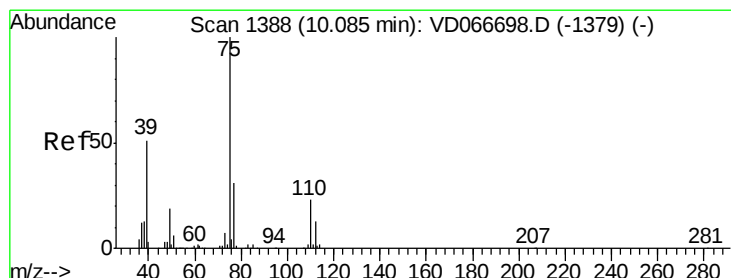
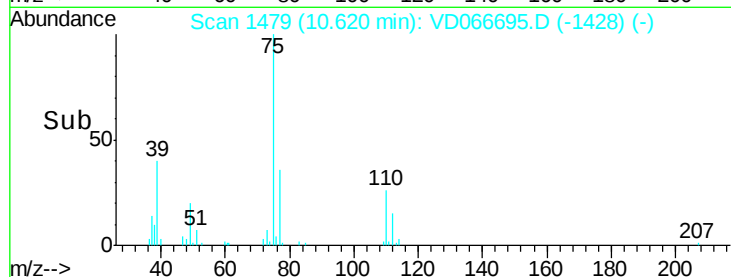
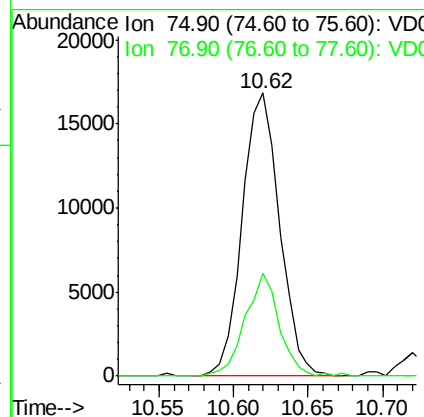
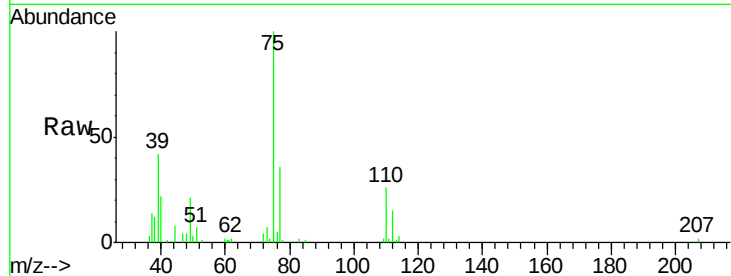
#53
t-1,3-Dichloropropene
Concen: 4.778 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. -0.00 min
Lab File: VD066695.D
Acq: 15 Sep 2020 13:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
77	36.3	24.6	36.8

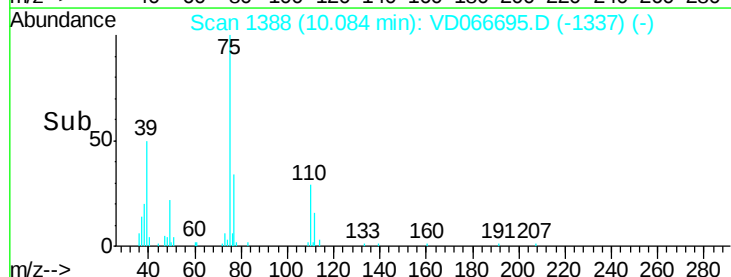
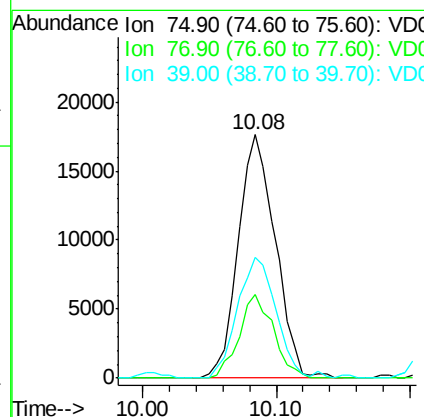
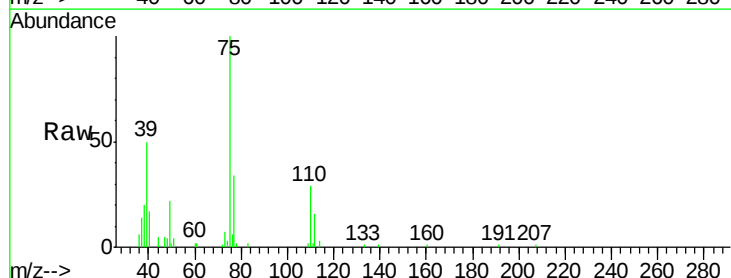
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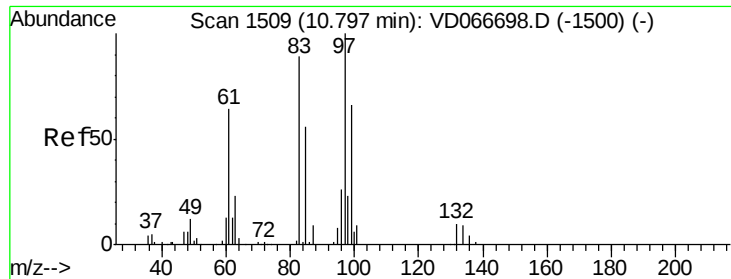
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#54
cis-1,3-Dichloropropene
Concen: 4.657 ug/l
RT: 10.08 min Scan# 1388
Delta R.T. -0.00 min
Lab File: VD066695.D
Acq: 15 Sep 2020 13:28

Tgt Ion	Ratio	Lower	Upper
75	100		
77	34.2	25.0	37.6
39	49.7	40.6	61.0





#55

1,1,2-Trichloroethane

Concen: 5.150 ug/l

RT: 10.80 min Scan# 1509

Delta R.T. -0.00 min

Lab File: VD066695.D

Acq: 15 Sep 2020 13:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 97 Resp: 17082

Ion Ratio Lower Upper

97 100

83 68.4 71.4 107.2#

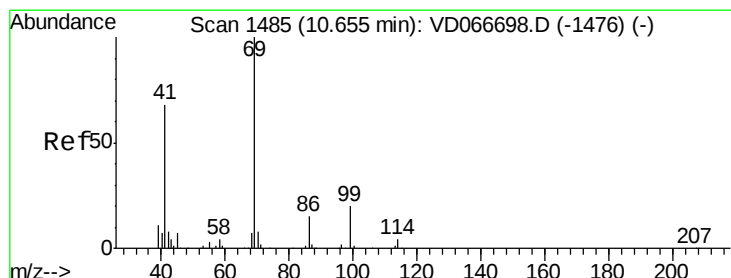
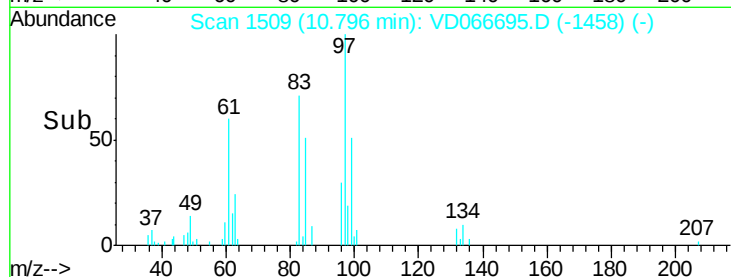
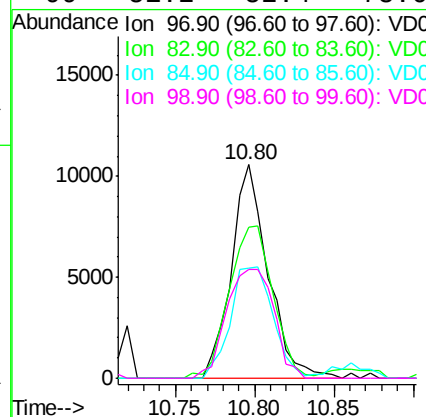
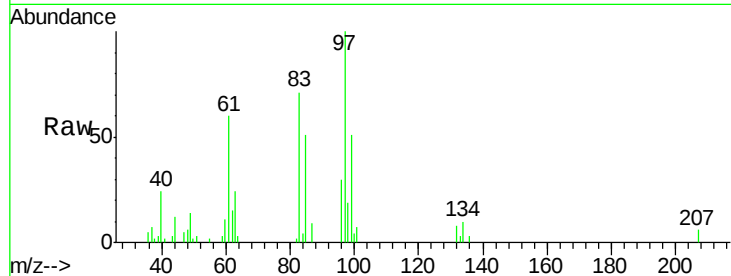
85 51.3 44.7 67.1

99 51.2 52.4 78.6#

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#56

Ethyl methacrylate

Concen: 4.140 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. 0.01 min

Lab File: VD066695.D

Acq: 15 Sep 2020 13:28

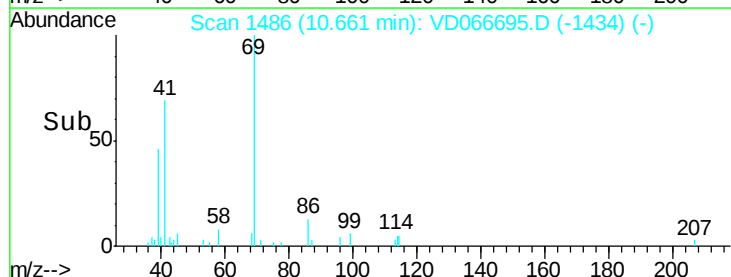
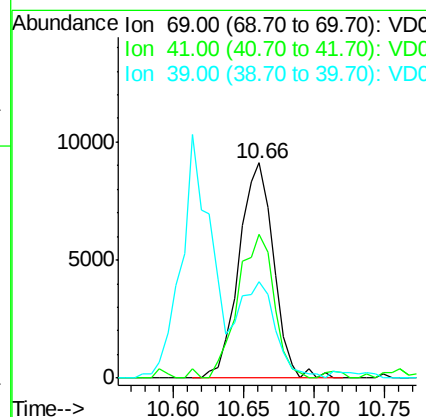
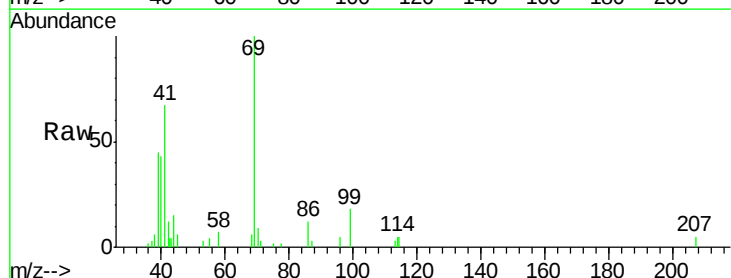
Tgt Ion: 69 Resp: 15585

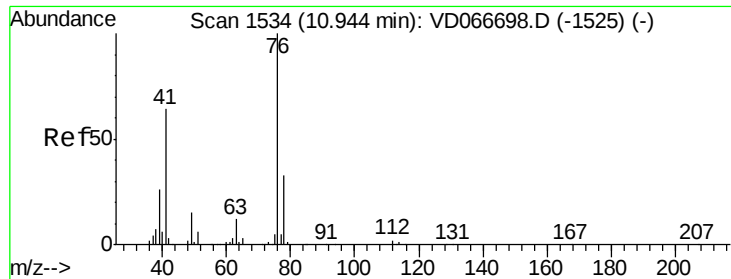
Ion Ratio Lower Upper

69 100

41 69.9 55.5 83.3

39 42.9 29.7 44.5





#57

1,3-Dichloropropane

Concen: 5.176 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. -0.00 min

Lab File: VD066695.D

Acq: 15 Sep 2020 13:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 30130

Ion Ratio Lower Upper

76 100

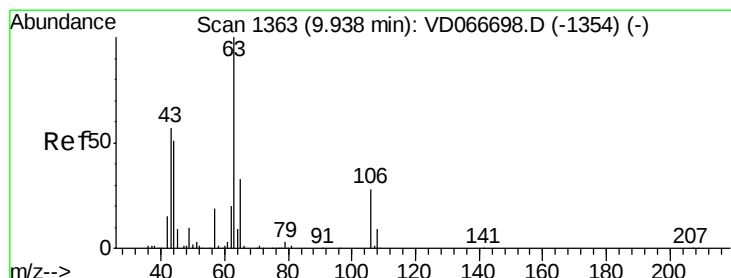
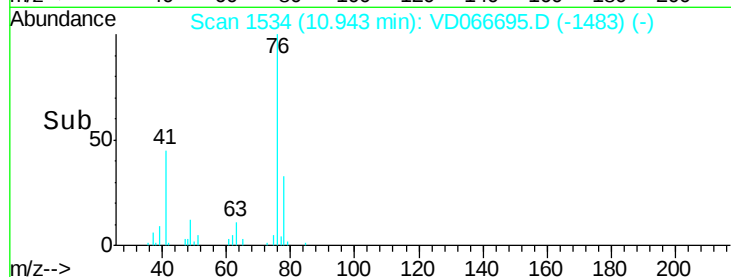
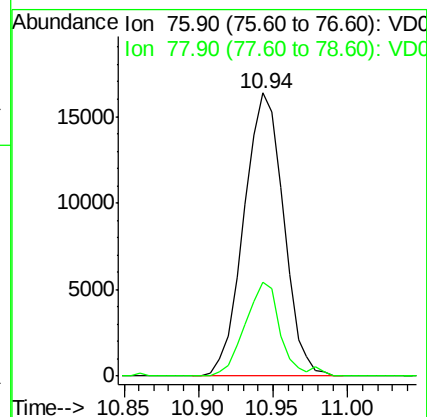
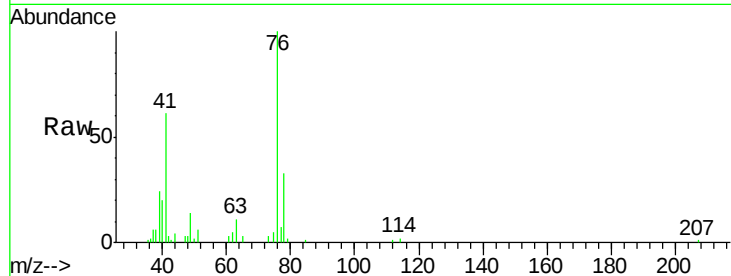
78 29.6 26.2 39.2

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#58

2-Chloroethyl Vinyl ether

Concen: 23.453 ug/l

RT: 9.94 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VD066695.D

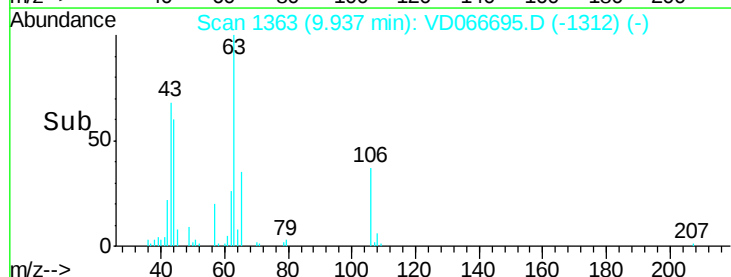
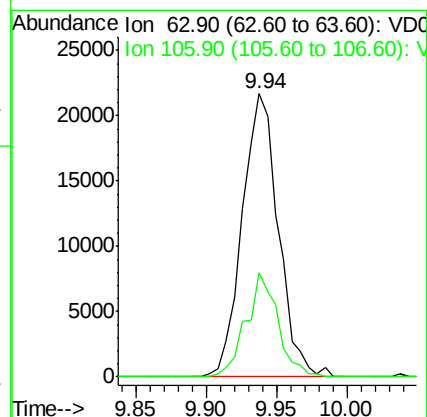
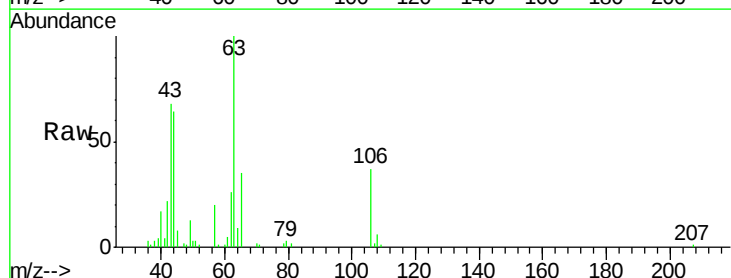
Acq: 15 Sep 2020 13:28

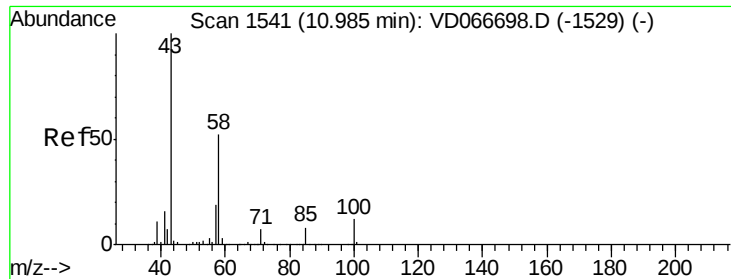
Tgt Ion: 63 Resp: 38773

Ion Ratio Lower Upper

63 100

106 32.6 22.2 33.4





#59

2-Hexanone

Concen: 23.657 ug/l

RT: 10.98 min Scan# 1541

Delta R.T. -0.00 min

Lab File: VD066695.D

Acq: 15 Sep 2020 13:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 39918

Ion Ratio Lower Upper

43 100

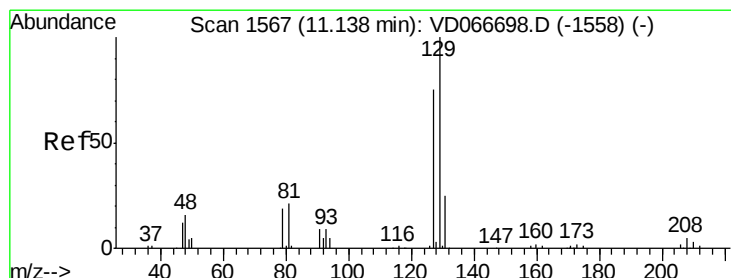
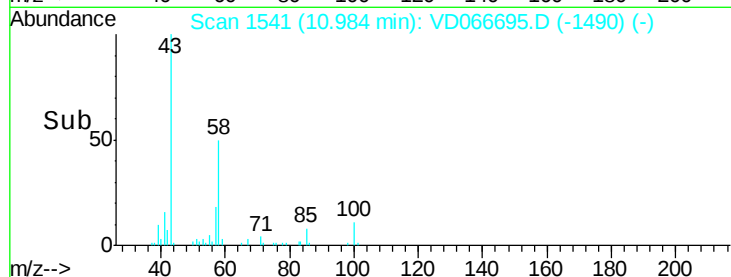
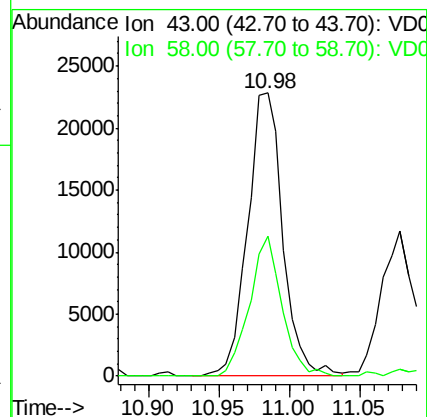
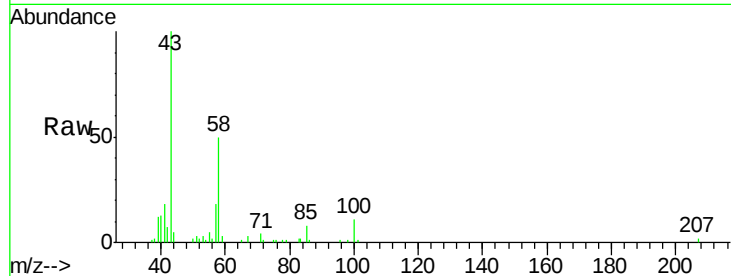
58 45.7 26.2 78.5

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#60

Dibromochloromethane

Concen: 4.801 ug/l

RT: 11.14 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VD066695.D

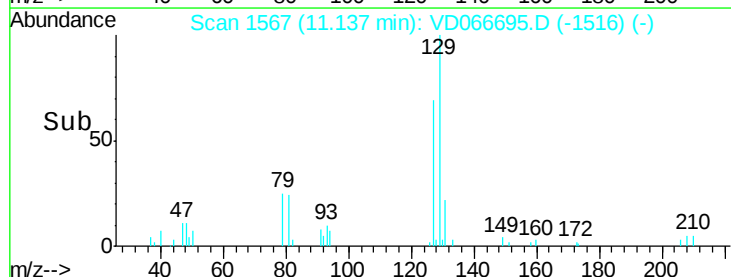
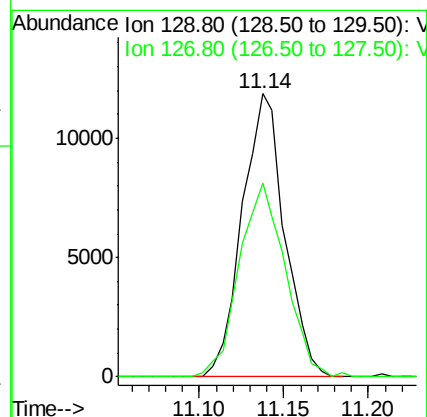
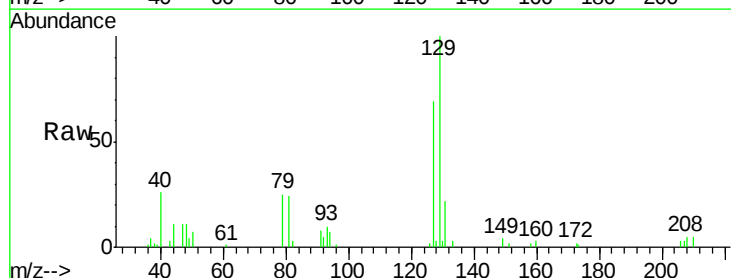
Acq: 15 Sep 2020 13:28

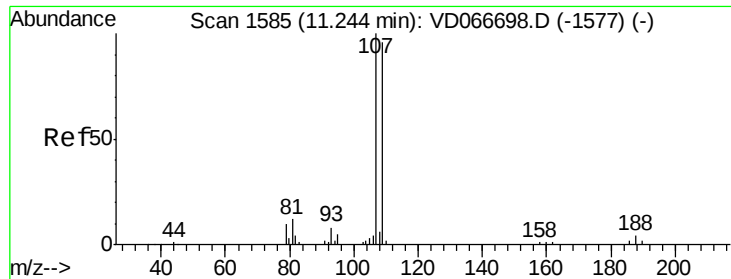
Tgt Ion: 129 Resp: 20752

Ion Ratio Lower Upper

129 100

127 74.6 38.1 114.3





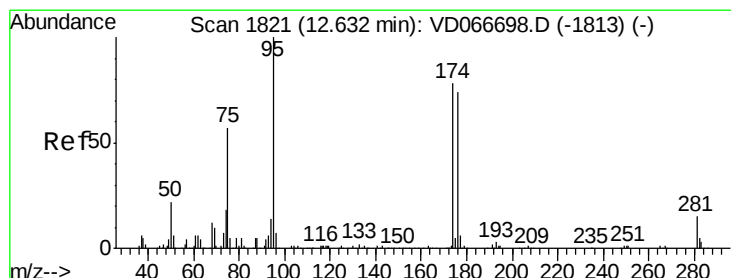
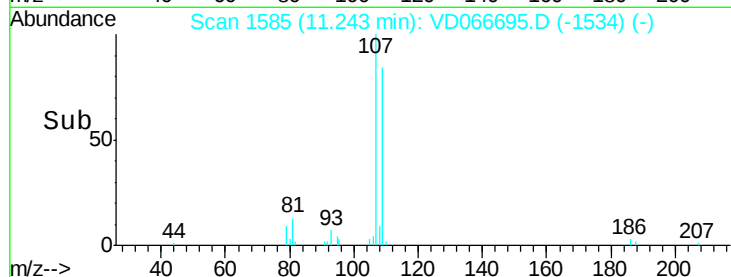
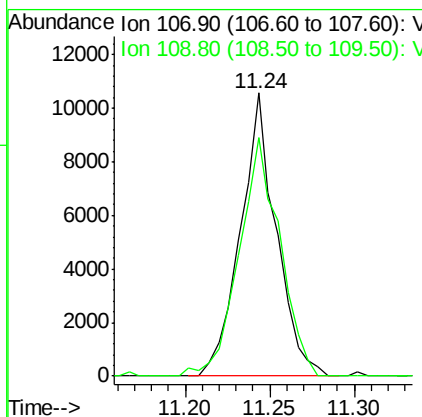
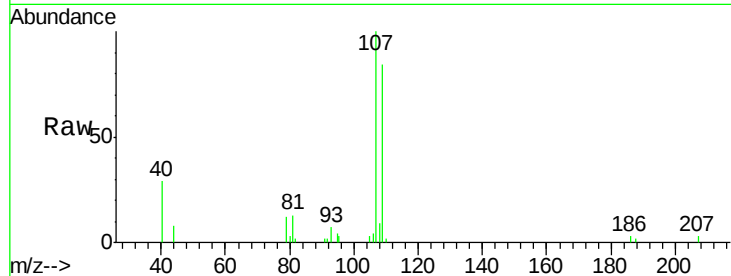
#61
 1,2-Dibromoethane
 Concen: 4.886 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: VD066695.D
 Acq: 15 Sep 2020 13:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.8	75.6	113.4

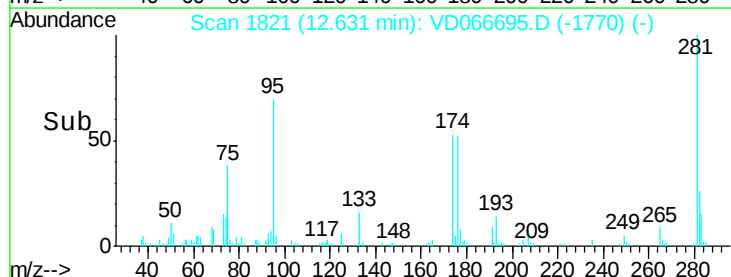
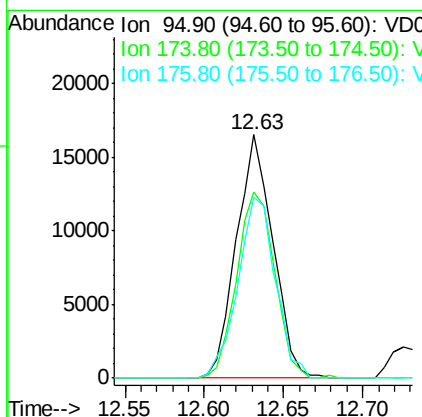
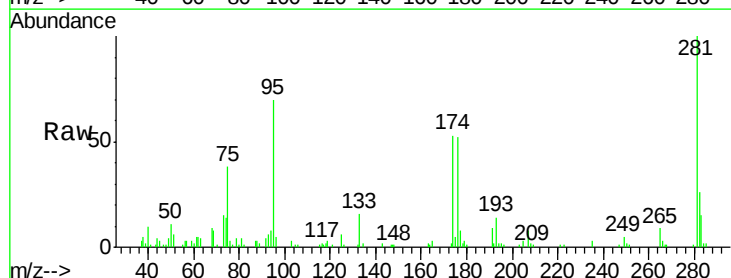
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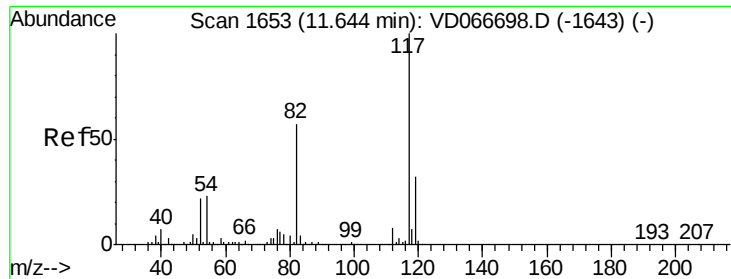
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#62
 4-Bromofluorobenzene
 Concen: 5.271 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD066695.D
 Acq: 15 Sep 2020 13:28

Tgt Ion	Ratio	Lower	Upper
95	100		
174	79.0	0.0	156.6
176	76.5	0.0	150.2





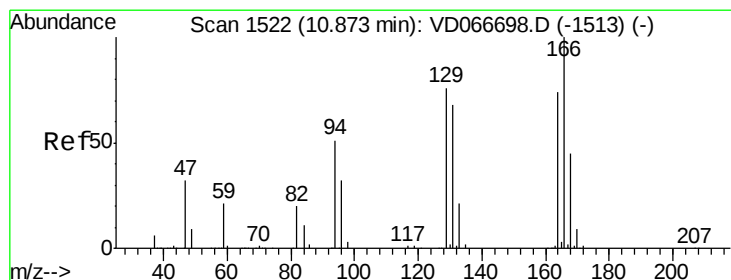
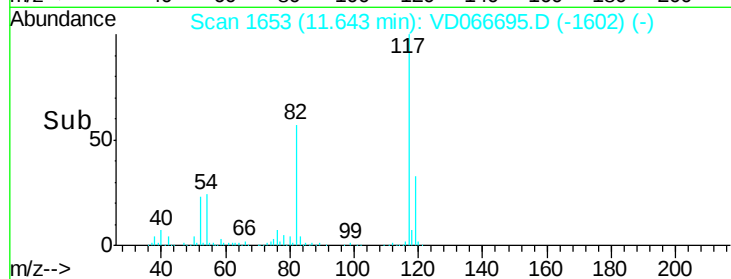
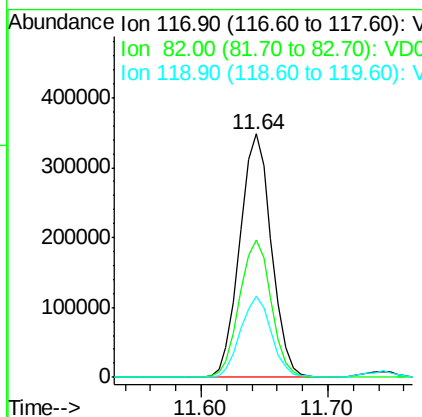
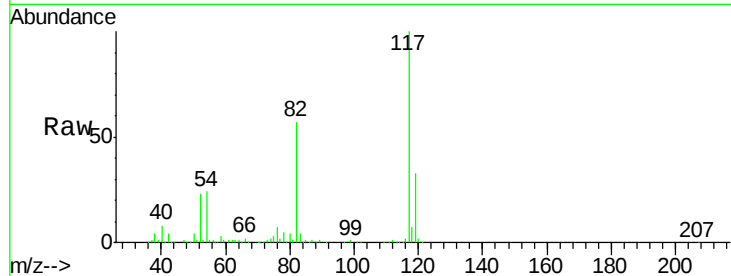
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066695.D
Acq: 15 Sep 2020 13:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
117	100	602820		
82	56.6		45.4	68.0
119	33.2		25.8	38.6

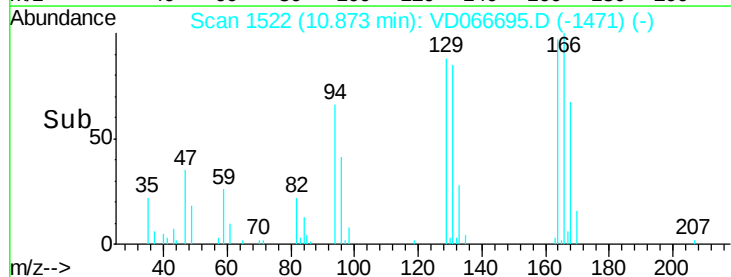
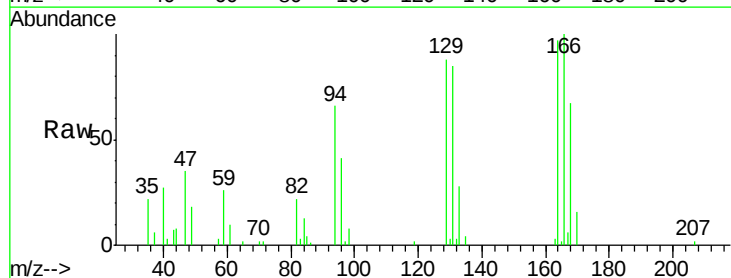
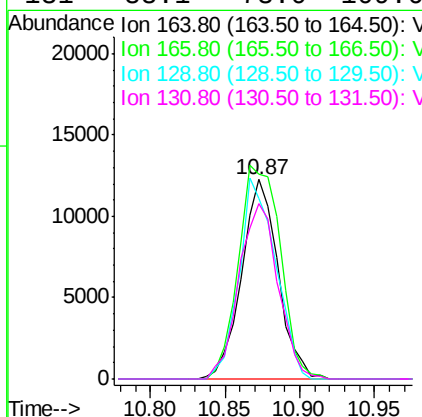
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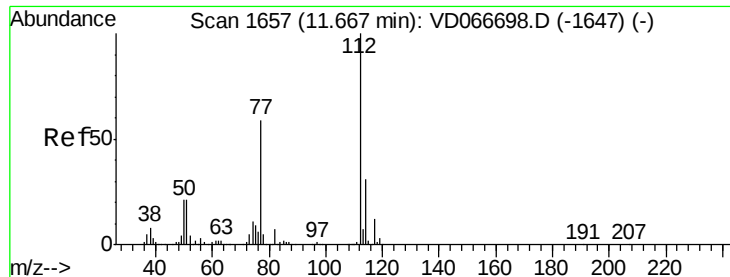
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#64
Tetrachloroethene
Concen: 5.047 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD066695.D
Acq: 15 Sep 2020 13:28

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	20769		
166	103.2		107.5	161.3#
129	90.8		81.4	122.0
131	88.1		73.0	109.6





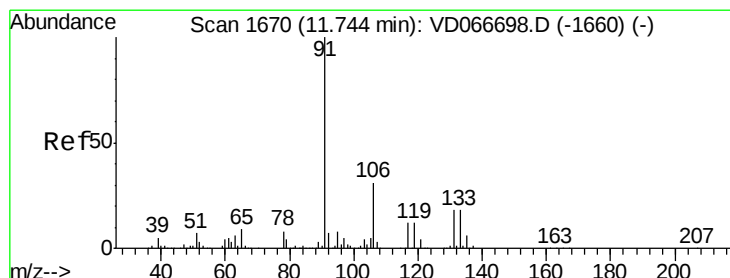
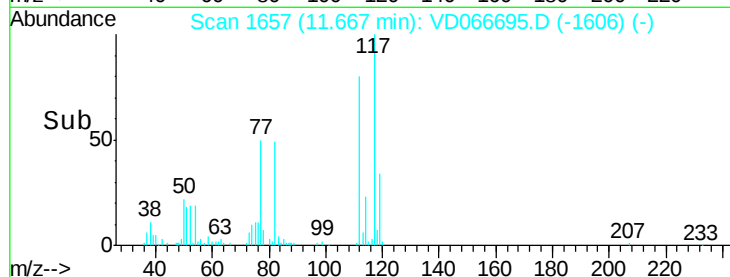
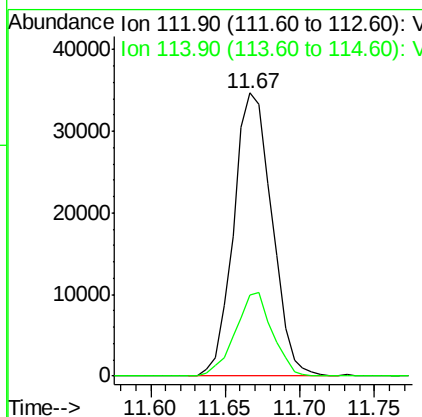
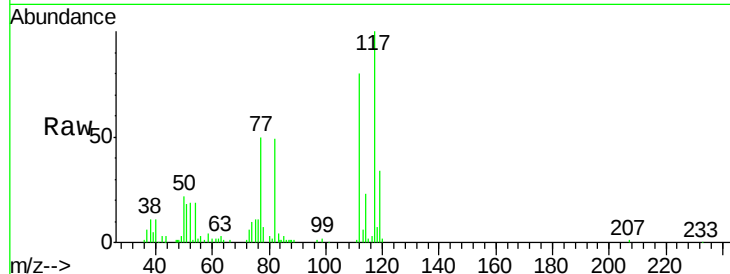
#65
Chlorobenzene
Concen: 4.966 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.00 min
Lab File: VD066695.D
Acq: 15 Sep 2020 13:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
112	100		
114	28.5	25.0	37.6

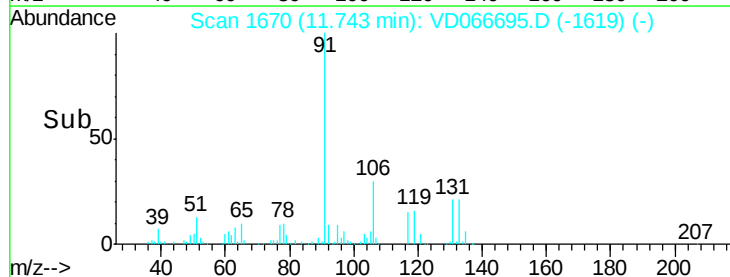
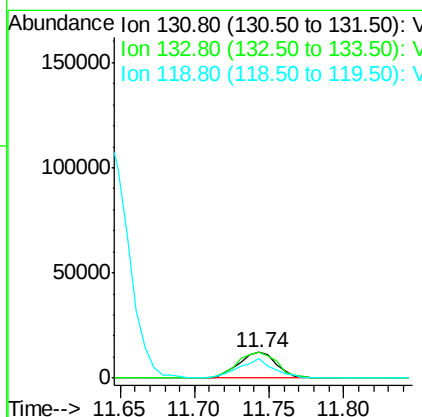
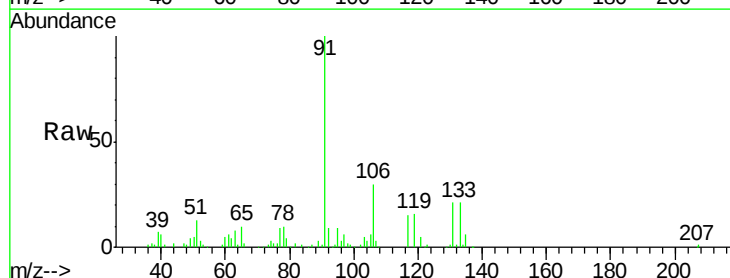
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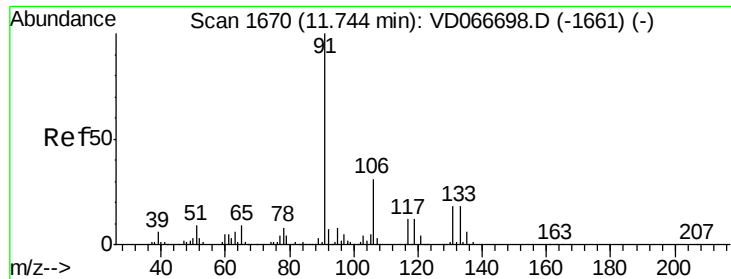
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#66
1,1,1,2-Tetrachloroethane
Concen: 4.832 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD066695.D
Acq: 15 Sep 2020 13:28

Tgt Ion	Ratio	Lower	Upper
131	100		
133	103.6	47.8	143.3
119	65.4	33.6	100.8





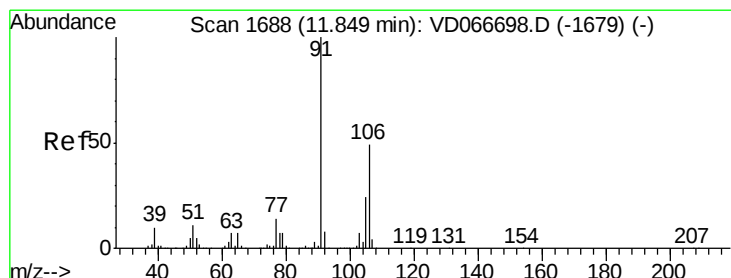
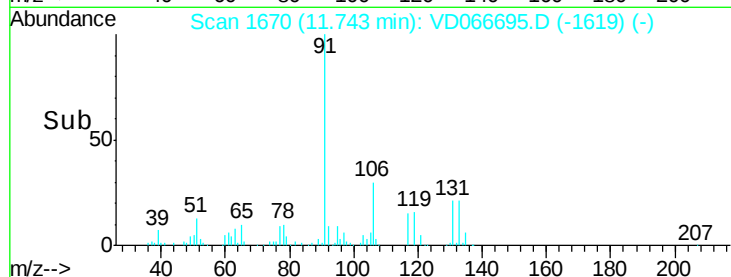
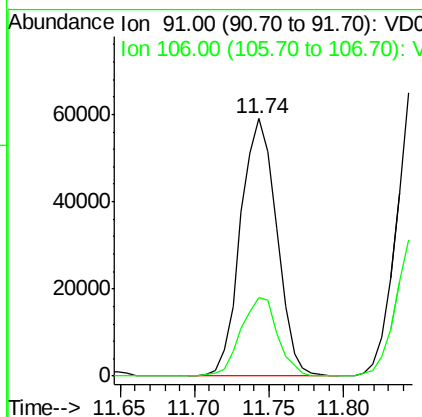
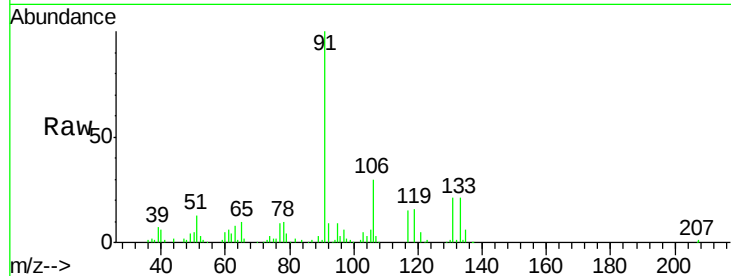
#67
Ethyl Benzene
Concen: 4.392 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD066695.D
Acq: 15 Sep 2020 13:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 99288
Ion Ratio Lower Upper
91 100
106 30.4 25.1 37.7

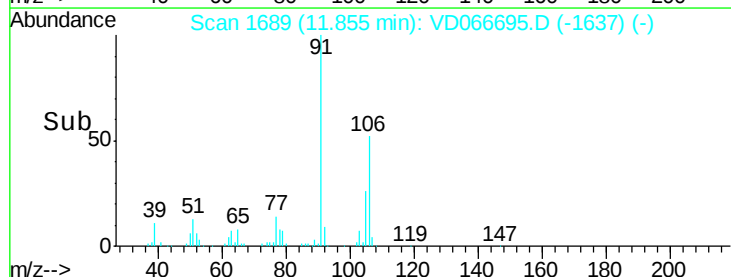
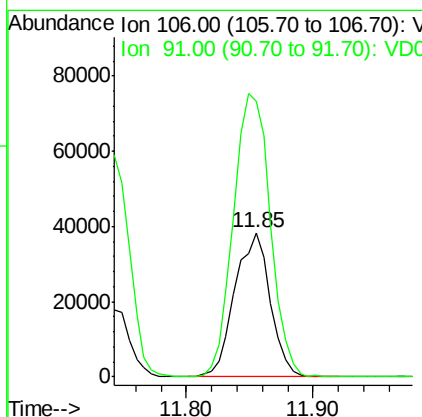
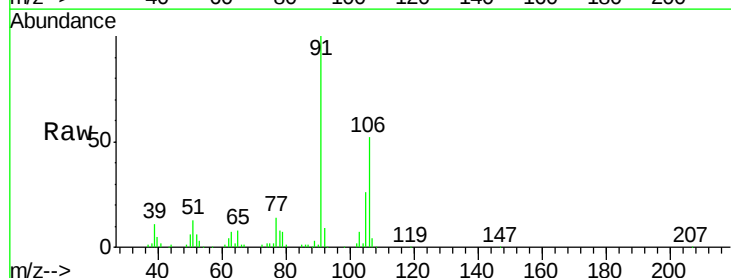
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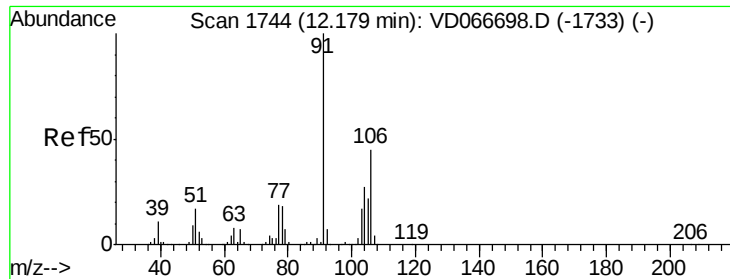
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#68
m/p-Xylenes
Concen: 8.660 ug/l
RT: 11.85 min Scan# 1689
Delta R.T. 0.01 min
Lab File: VD066695.D
Acq: 15 Sep 2020 13:28

Tgt Ion: 106 Resp: 73996
Ion Ratio Lower Upper
106 100
91 205.2 164.8 247.2





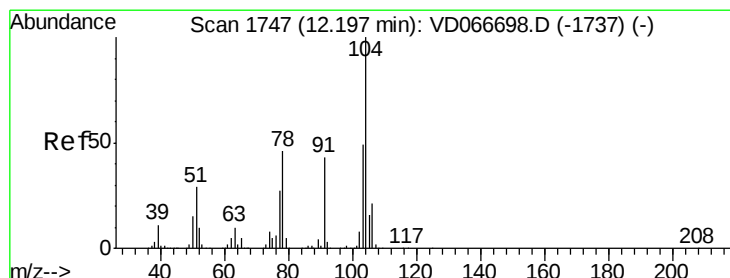
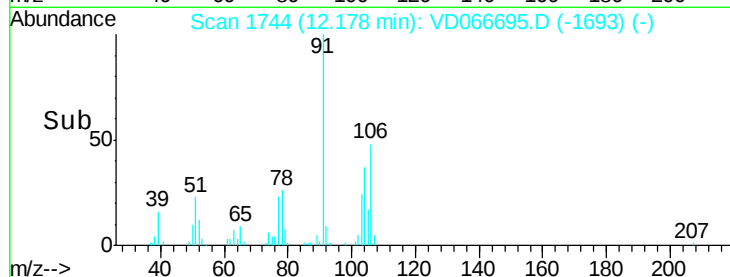
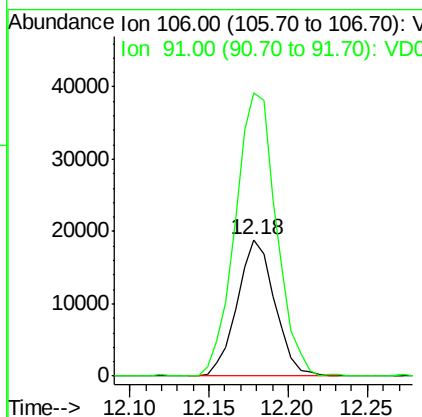
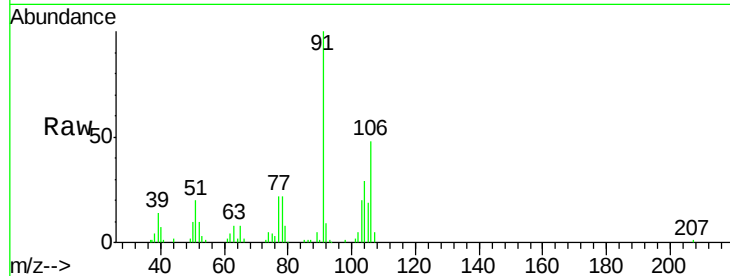
#69
o-Xylene
Concen: 4.110 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD066695.D
Acq: 15 Sep 2020 13:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 31036
Ion Ratio Lower Upper
106 100
91 227.2 109.4 328.2

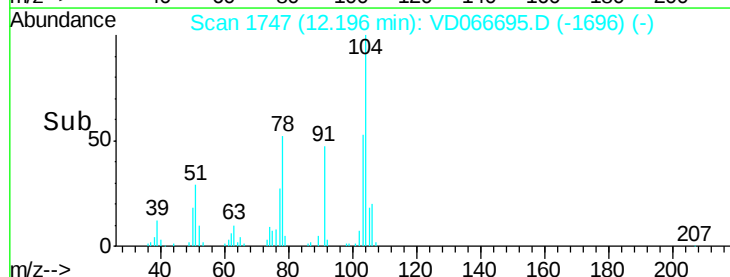
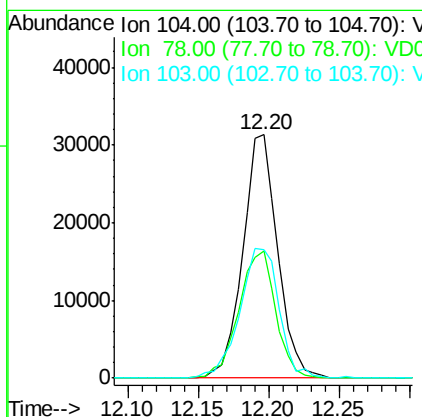
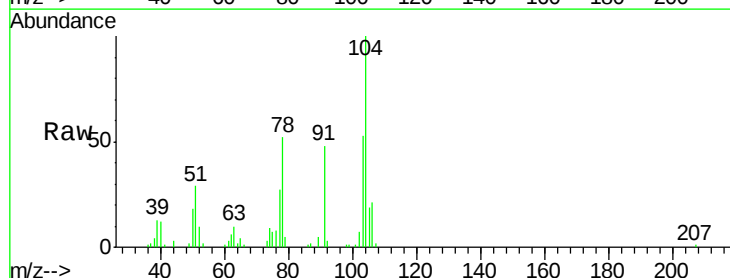
Manual Integrations
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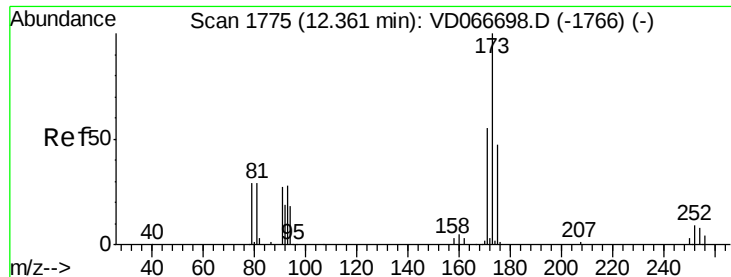
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#70
Styrene
Concen: 4.073 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD066695.D
Acq: 15 Sep 2020 13:28

Tgt Ion:104 Resp: 54124
Ion Ratio Lower Upper
104 100
78 55.0 40.2 60.4
103 60.2 42.5 63.7





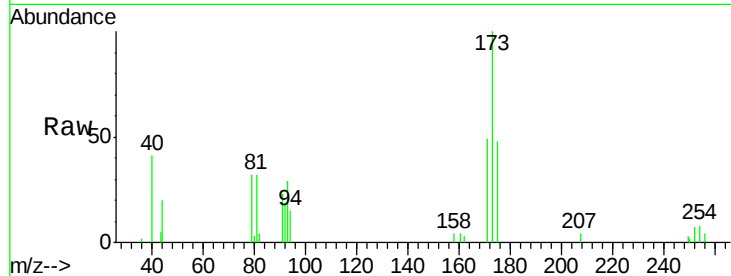
#71
Bromoform
Concen: 5.064 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.00 min
Lab File: VD066695.D
Acq: 15 Sep 2020 13:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

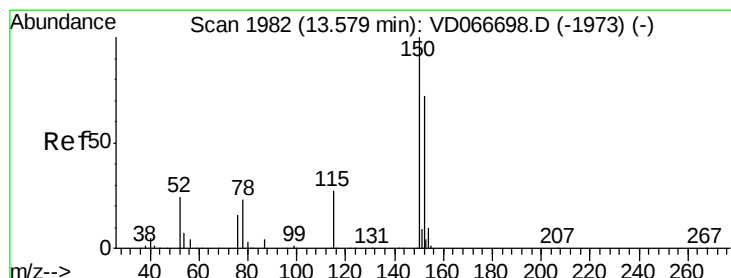
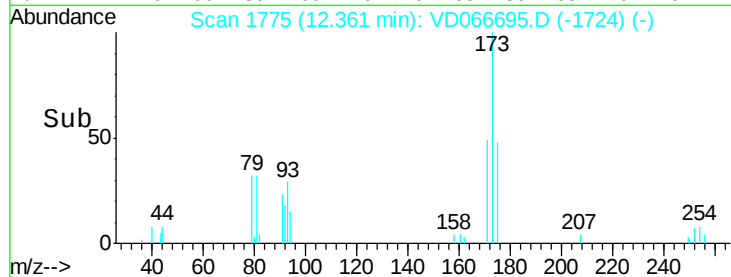
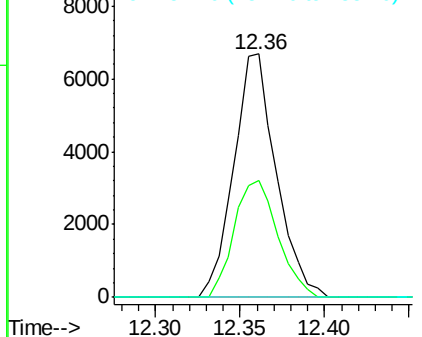
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.3	72.8
254	0.0	0.1	0.1

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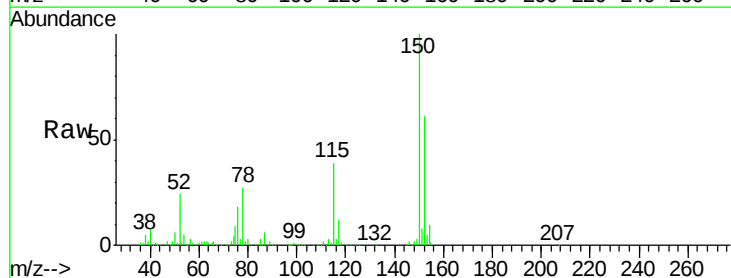


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

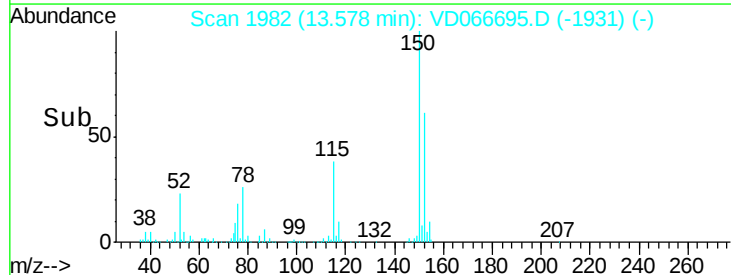
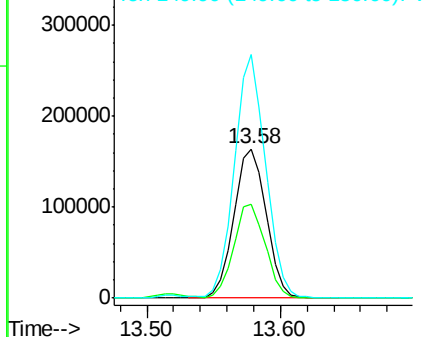


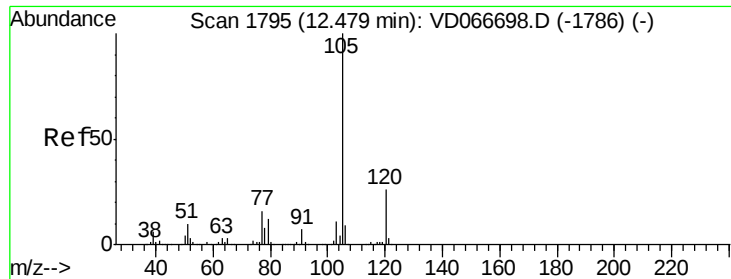
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066695.D
Acq: 15 Sep 2020 13:28

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.0	30.5	91.5
150	157.9	0.0	344.6



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: 4.223 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD066695.D

Acq: 15 Sep 2020 13:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 86588

Ion Ratio Lower Upper

105 100

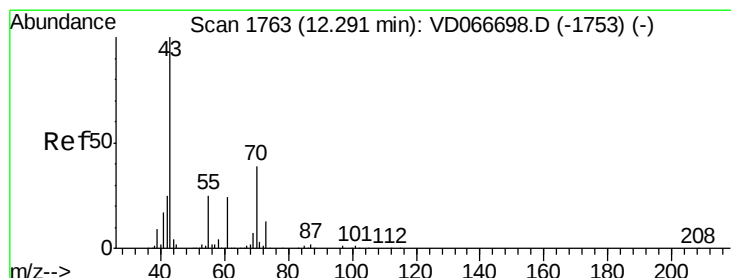
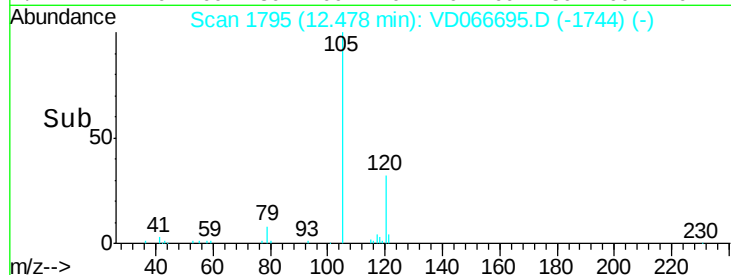
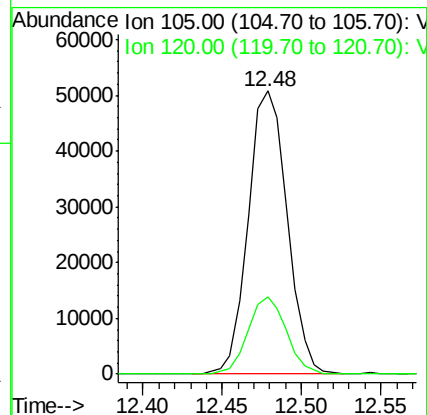
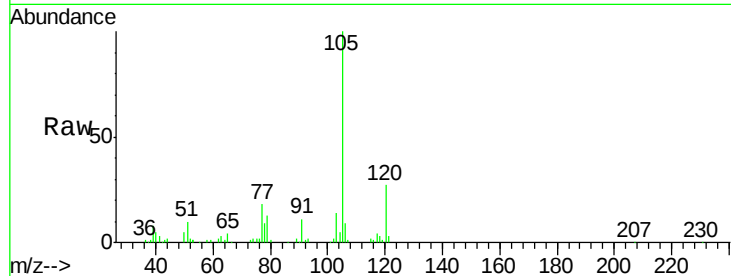
120 26.7 13.1 39.1

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#74

N-ethyl acetate

Concen: 4.699 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD066695.D

Acq: 15 Sep 2020 13:28

Tgt Ion: 43 Resp: 20325

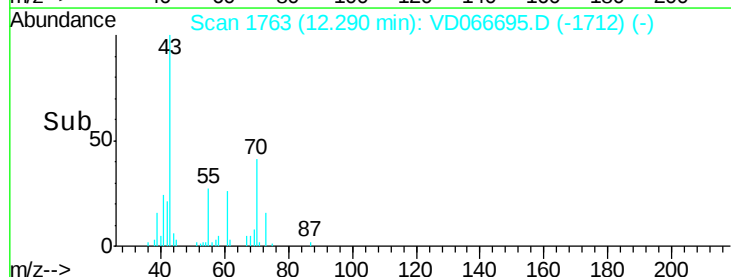
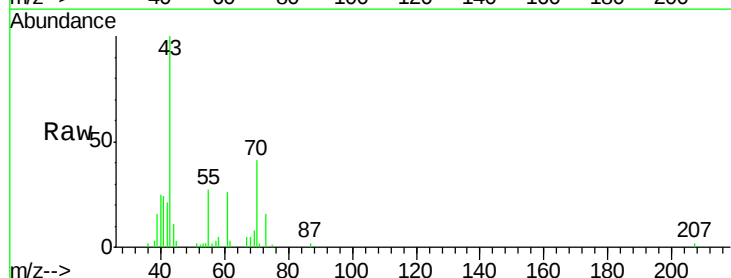
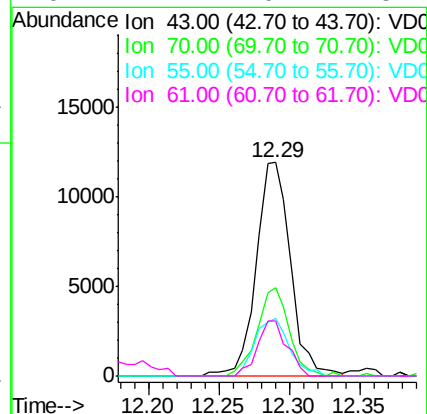
Ion Ratio Lower Upper

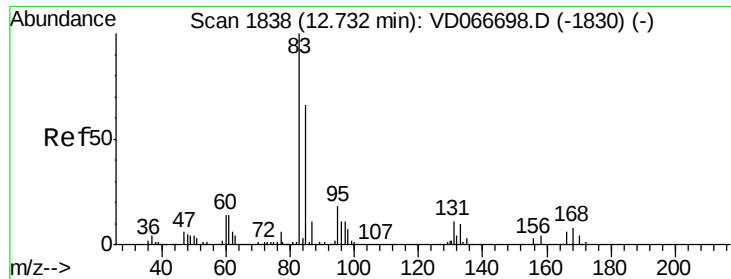
43 100

70 38.4 33.0 49.4

55 27.1 20.6 30.8

61 22.2 19.1 28.7





#75

1,1,2,2-Tetrachloroethane

Concen: 5.437 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD066695.D

Acq: 15 Sep 2020 13:28

Instrument :

MSVOA_D

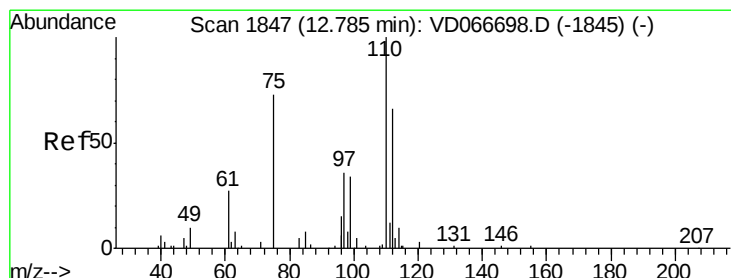
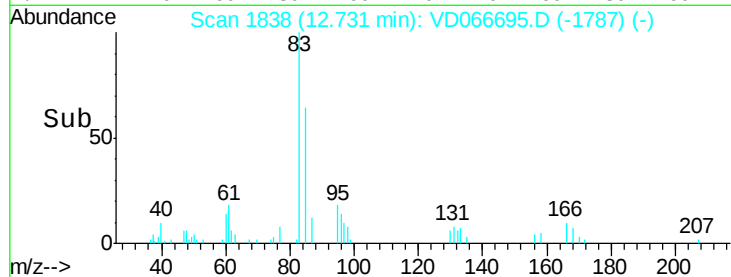
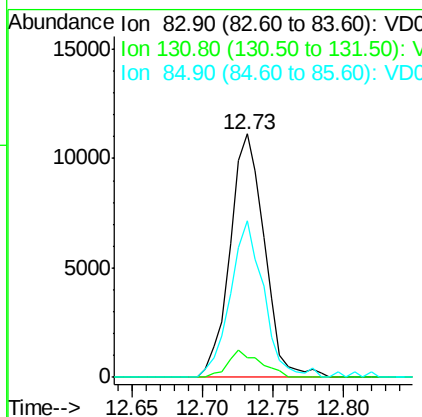
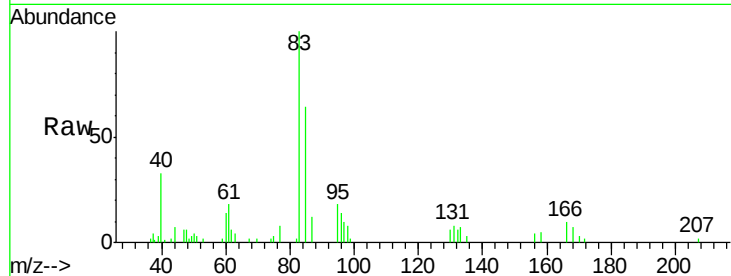
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	18943
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.8	17.3
85	62.7	33.3	99.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 5.153 ug/l m

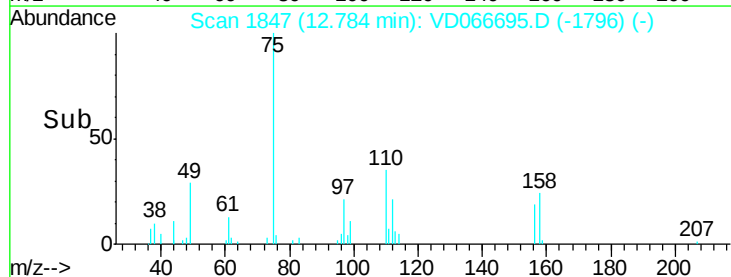
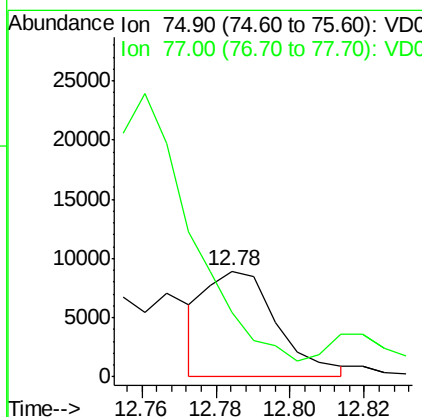
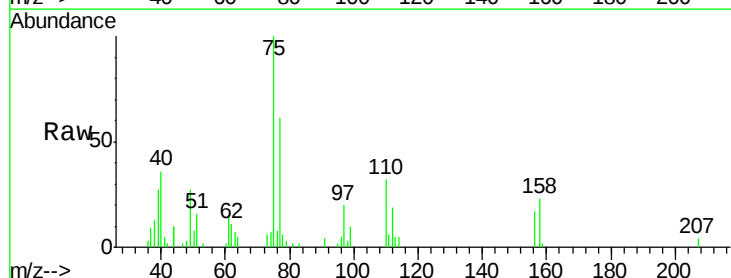
RT: 12.78 min Scan# 1847

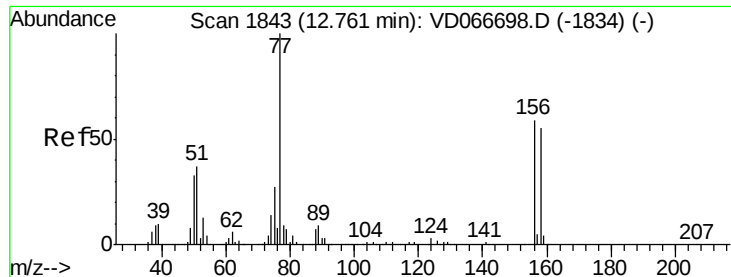
Delta R.T. -0.00 min

Lab File: VD066695.D

Acq: 15 Sep 2020 13:28

Tgt Ion:	75	Resp:	11979
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 5.169 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD066695.D

Acq: 15 Sep 2020 13:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion:156 Resp: 24427

Ion Ratio Lower Upper

156 100

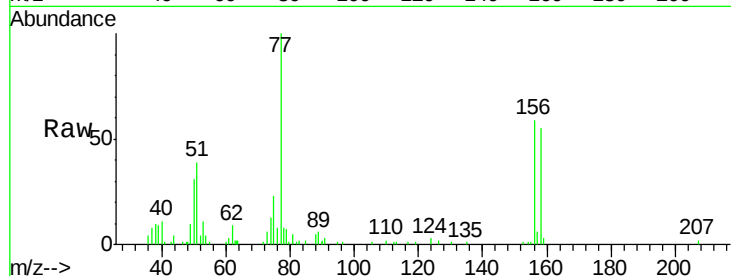
77 177.2 95.8 287.3

158 92.8 48.4 145.0

Manual Integrations
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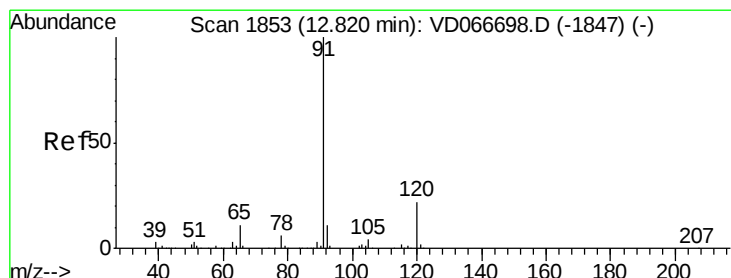
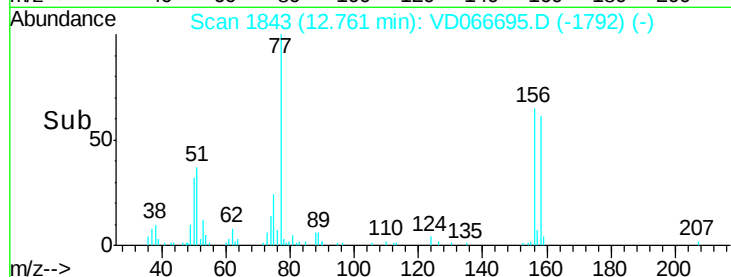
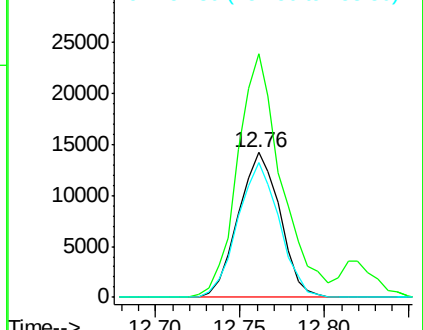
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 4.439 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VD066695.D

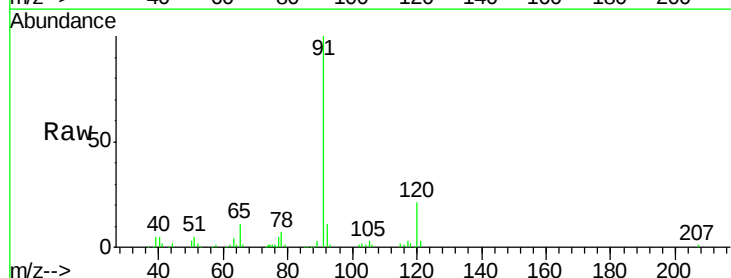
Acq: 15 Sep 2020 13:28

Tgt Ion: 91 Resp: 110958

Ion Ratio Lower Upper

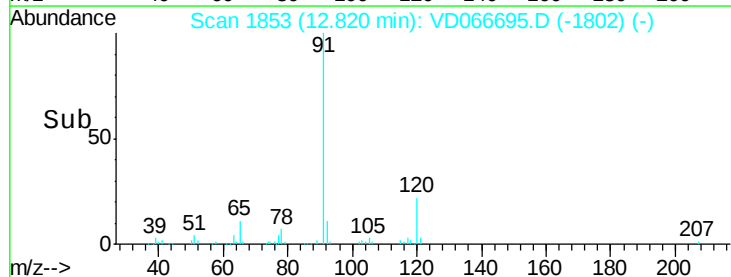
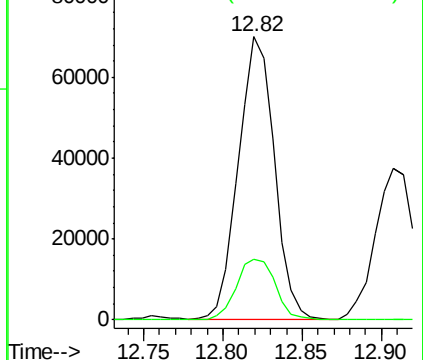
91 100

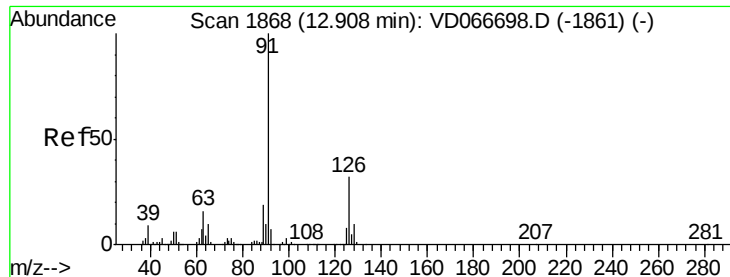
120 23.0 10.9 32.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 4.570 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.00 min

Lab File: VD066695.D

Acq: 15 Sep 2020 13:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 64590

Ion Ratio Lower Upper

91 100

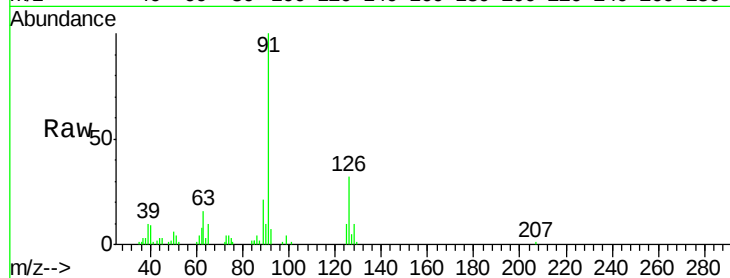
126 31.9 16.2 48.6

Manual Integrations

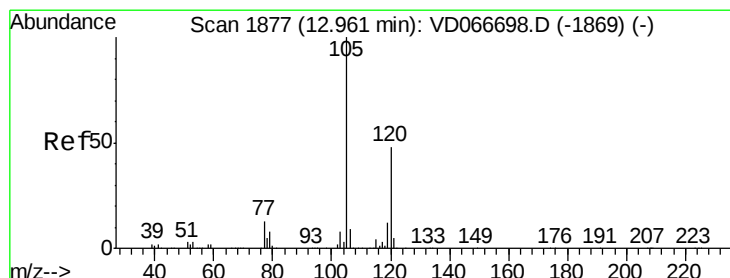
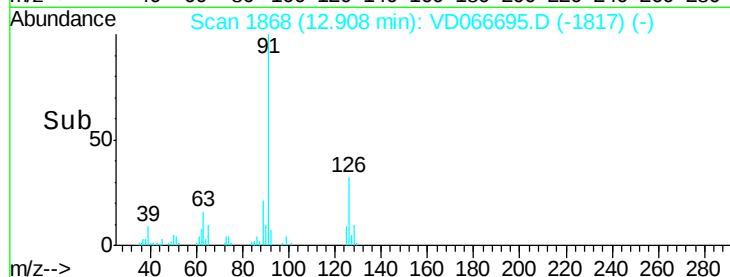
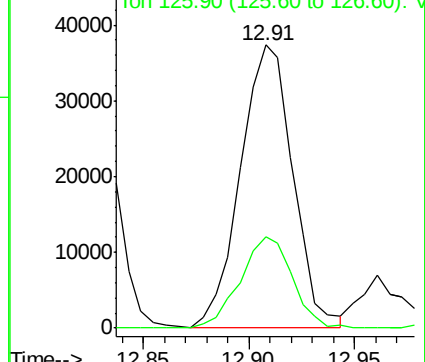
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Abundance Ion 91.00 (90.70 to 91.70): VD066695.D (-1861) (-)



#80

1,3,5-Trimethylbenzene

Concen: 4.189 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VD066695.D

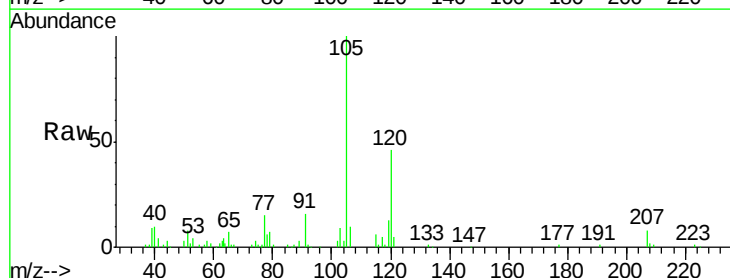
Acq: 15 Sep 2020 13:28

Tgt Ion:105 Resp: 72623

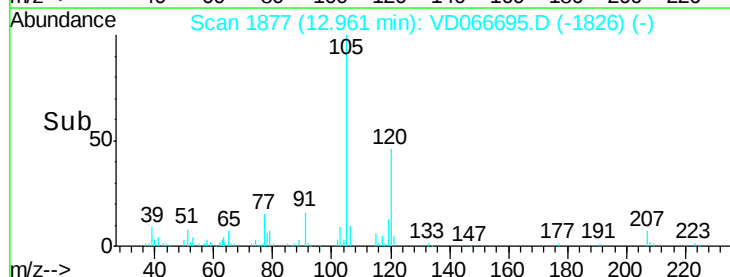
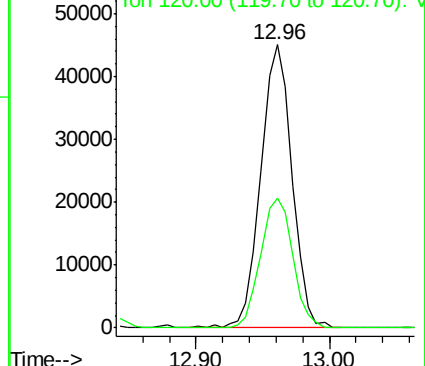
Ion Ratio Lower Upper

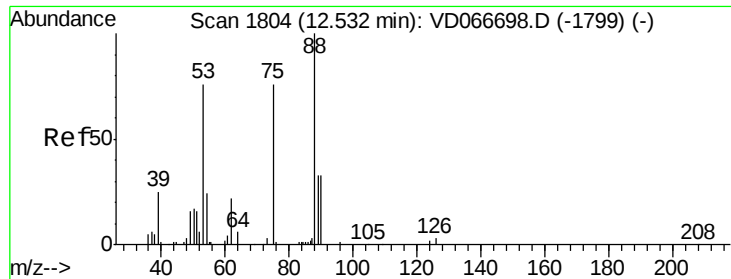
105 100

120 47.4 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VD066695.D (-1826) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 4.450 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VD066695.D

Acq: 15 Sep 2020 13:28

Instrument :

MSVOA_D

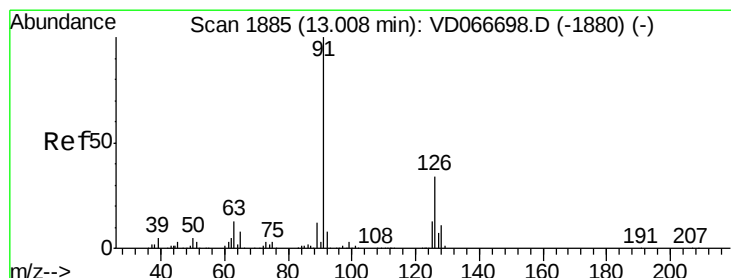
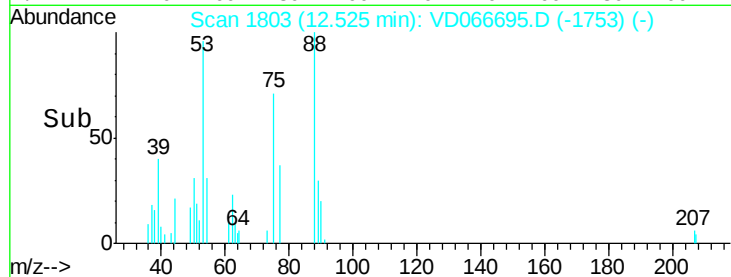
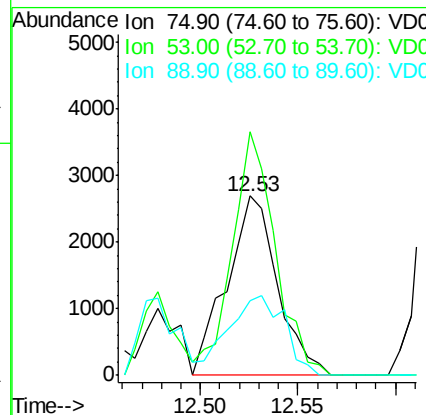
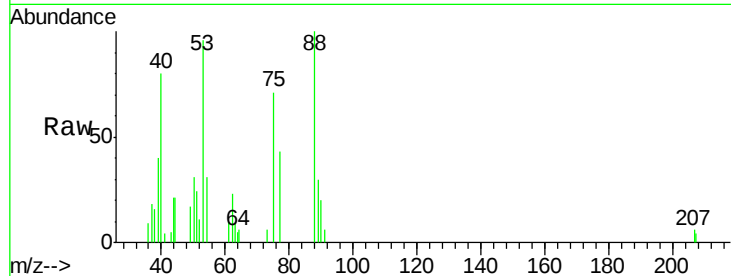
ClientSampleId :

VSTDIC005

Tot Ion:	75	Resp:	4847
Ion	Ratio	Lower	Upper
75	100		
53	115.0	82.2	123.4
89	48.3	39.6	59.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 4.686 ug/l

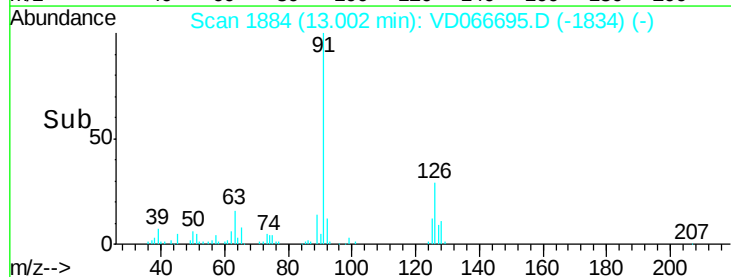
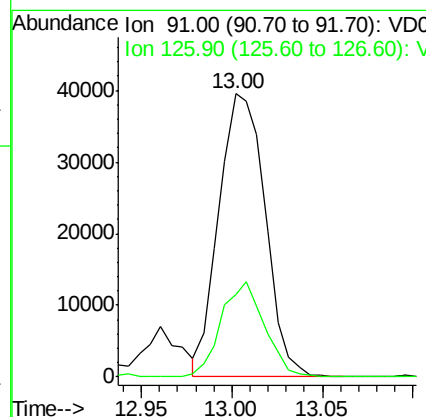
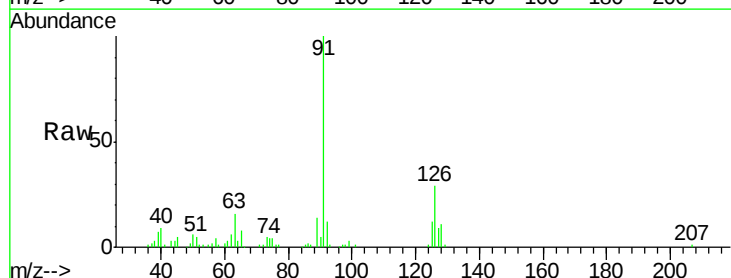
RT: 13.00 min Scan# 1884

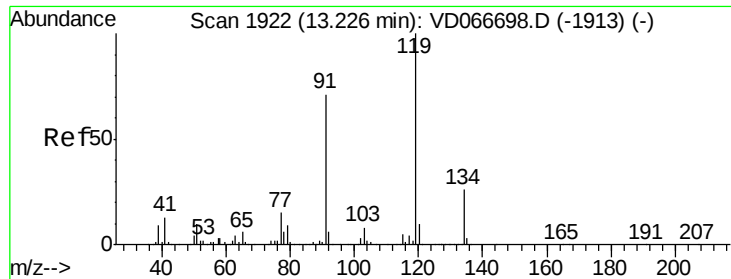
Delta R.T. -0.01 min

Lab File: VD066695.D

Acq: 15 Sep 2020 13:28

Tgt Ion:	91	Resp:	70020
Ion	Ratio	Lower	Upper
91	100		
126	31.5	16.8	50.4





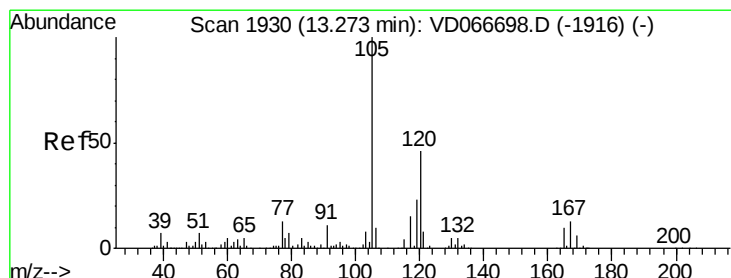
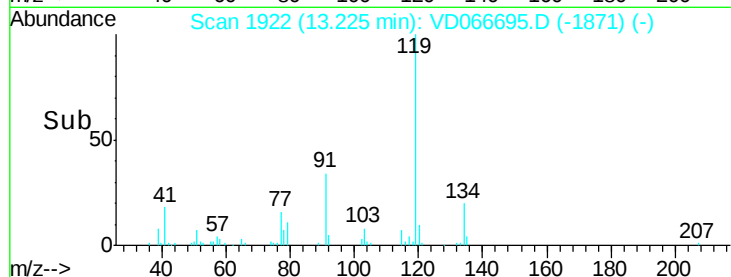
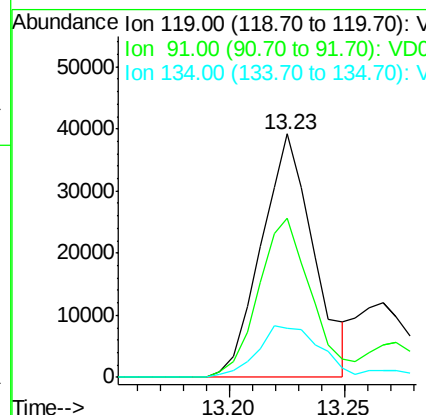
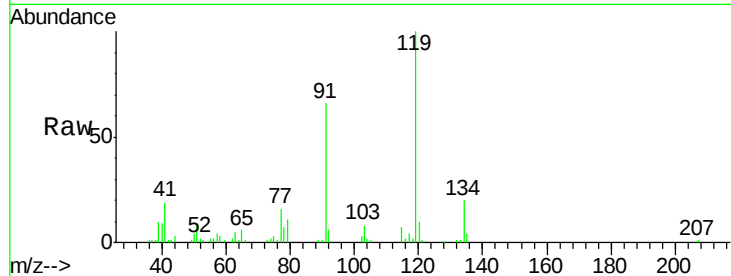
#83
tert-Butylbenzene
Concen: 4.307 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. -0.00 min
Lab File: VD066695.D
Acq: 15 Sep 2020 13:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.4	35.0	105.1
134	25.2	13.6	40.8

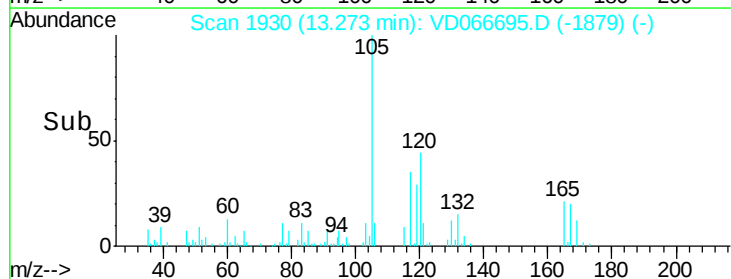
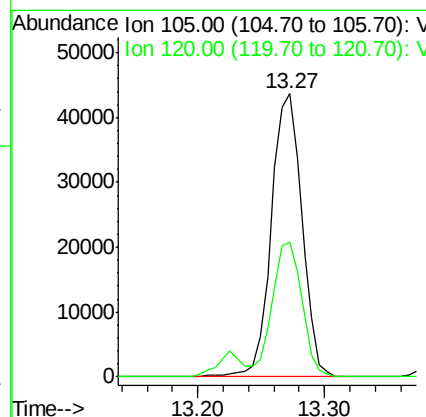
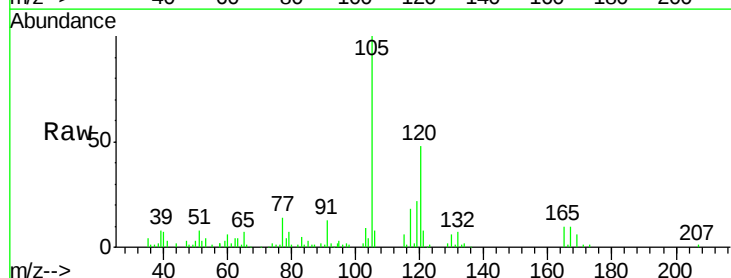
Manual Integrations
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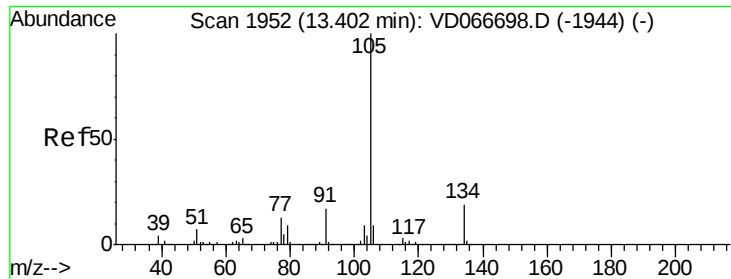
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#84
1,2,4-Trimethylbenzene
Concen: 4.233 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD066695.D
Acq: 15 Sep 2020 13:28

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.8	22.4	67.2





#85

sec-Butylbenzene

Concen: 4.230 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD066695.D

Acq: 15 Sep 2020 13:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 86656

Ion Ratio Lower Upper

105 100

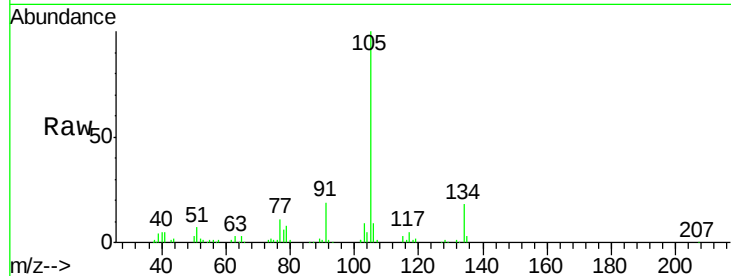
134 20.9 10.0 30.0

Manual Integrations

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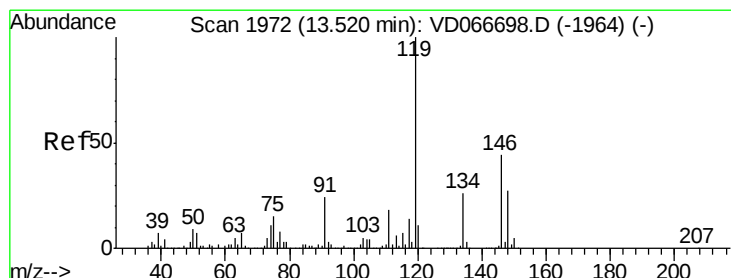
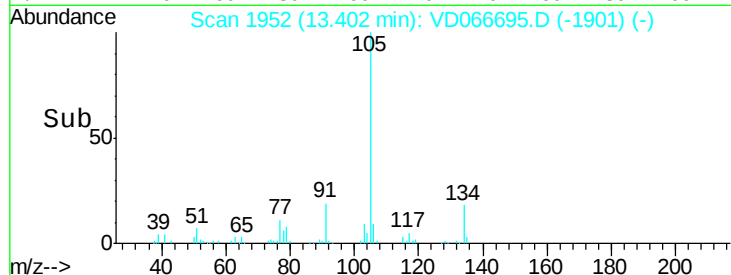
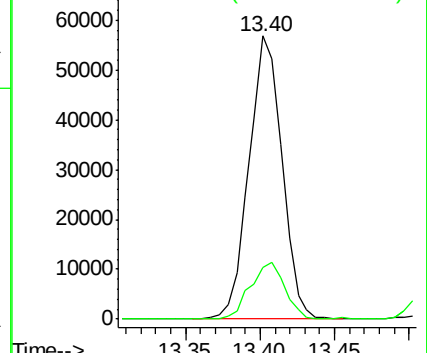
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 4.168 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD066695.D

Acq: 15 Sep 2020 13:28

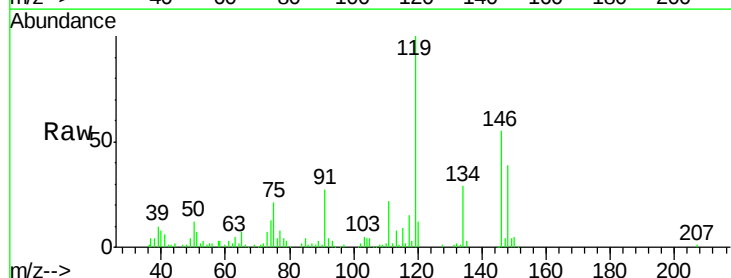
Tgt Ion:119 Resp: 77626

Ion Ratio Lower Upper

119 100

134 26.8 12.9 38.7

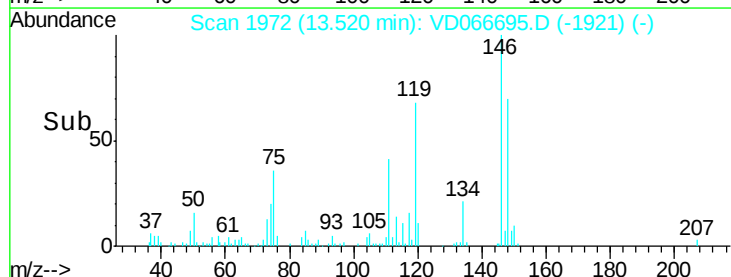
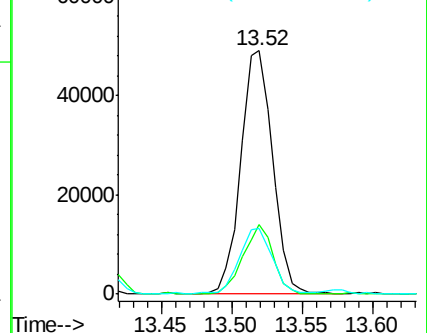
91 28.1 12.3 36.9

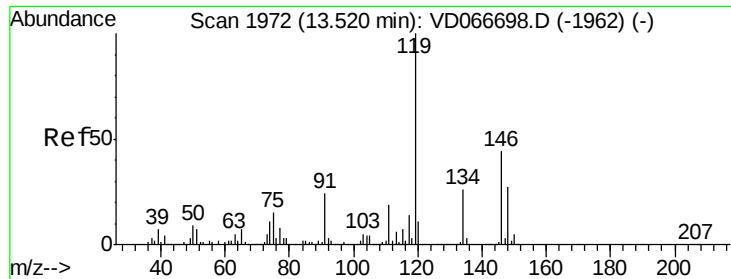


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





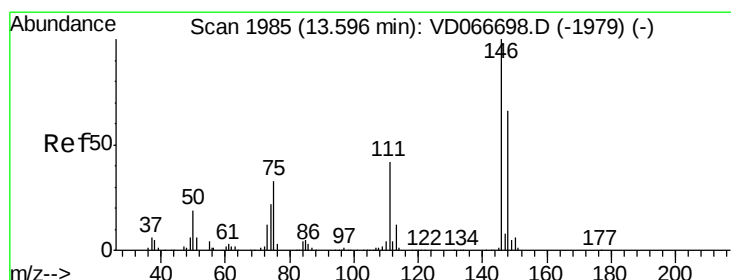
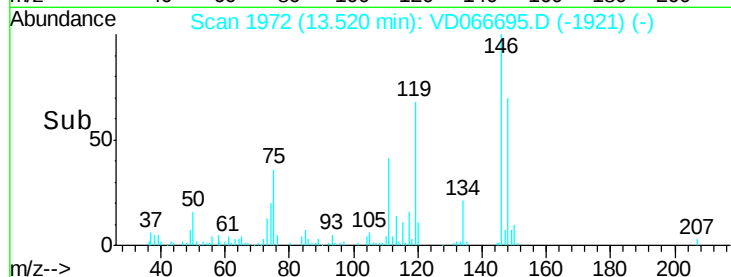
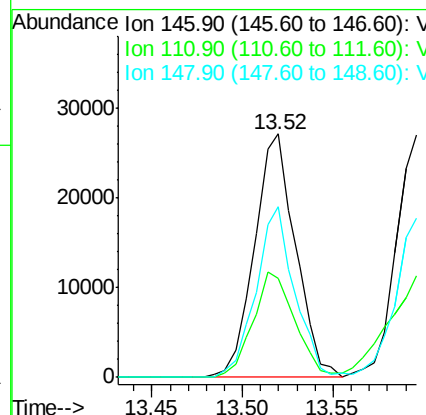
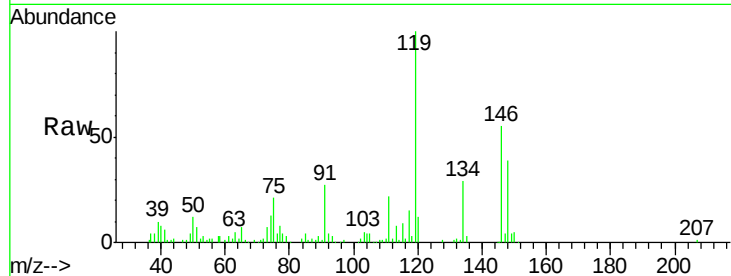
#87
 1,3-Dichlorobenzene
 Concen: 4.714 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD066695.D
 Acq: 15 Sep 2020 13:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.5	21.1	63.3
148	66.5	31.4	94.2

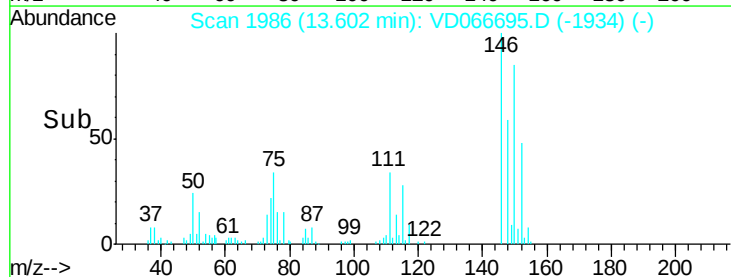
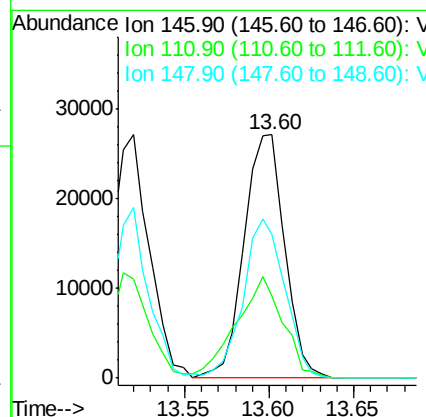
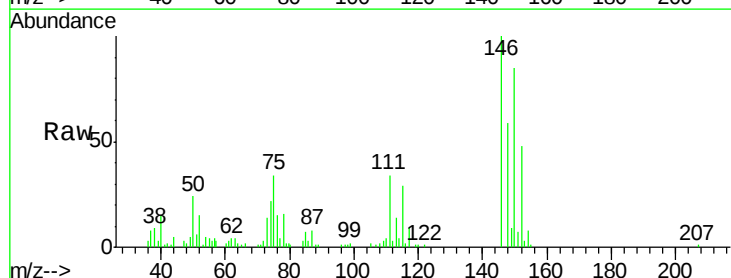
Manual Integrations
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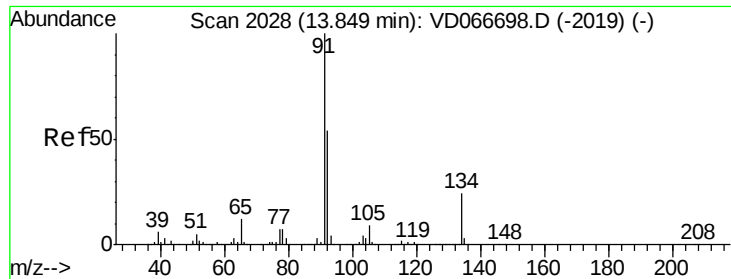
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#88
 1,4-Dichlorobenzene
 Concen: 5.050 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.01 min
 Lab File: VD066695.D
 Acq: 15 Sep 2020 13:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	48.1	20.5	61.6
148	66.7	32.7	98.1





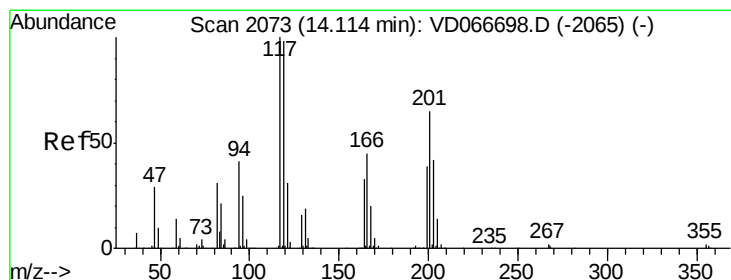
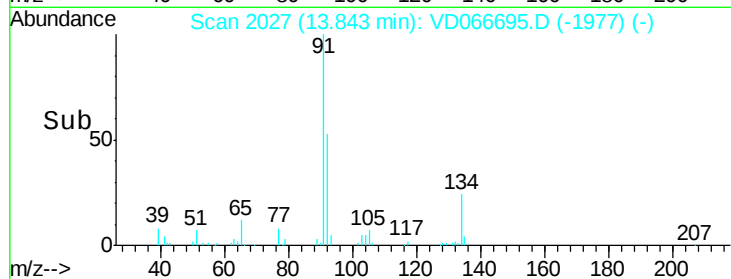
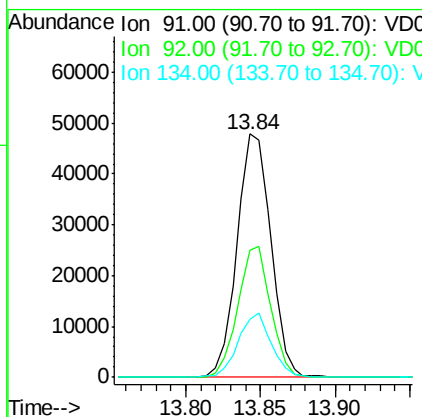
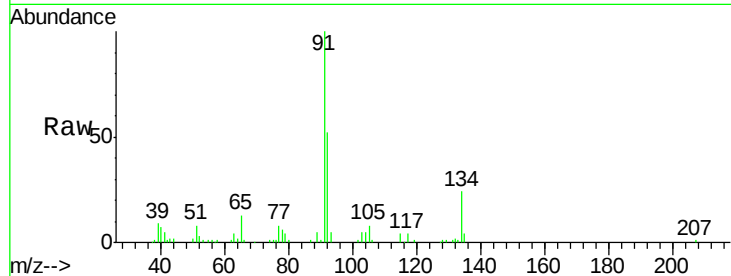
#89
n-Butylbenzene
Concen: 4.254 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.01 min
Lab File: VD066695.D
Acq: 15 Sep 2020 13:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.1	27.0	81.0
134	25.9	12.4	37.0

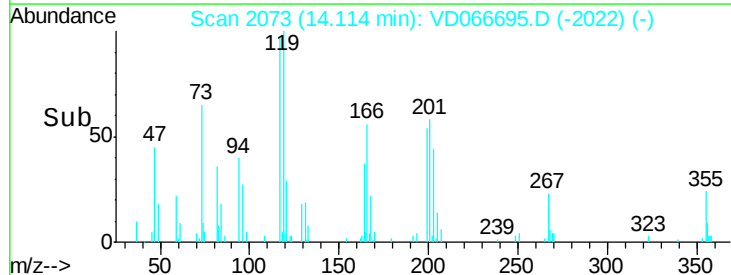
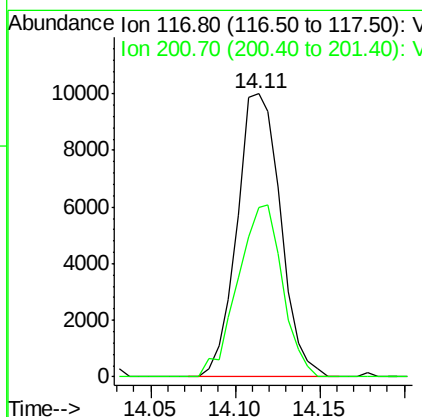
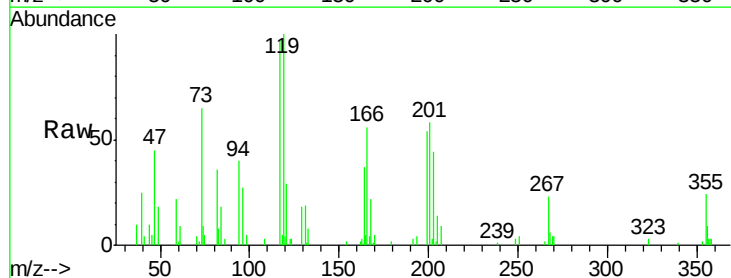
Manual Integrations
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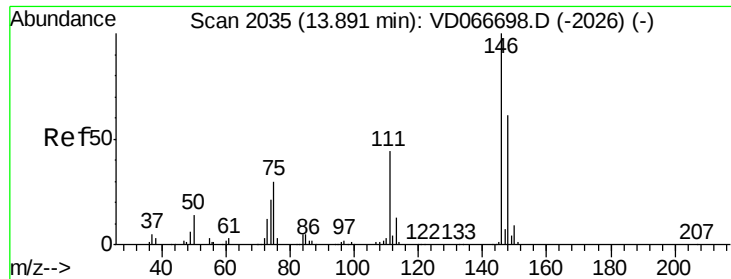
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#90
Hexachloroethane
Concen: 4.690 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD066695.D
Acq: 15 Sep 2020 13:28

Tgt Ion	Ratio	Lower	Upper
117	100		
201	62.1	33.1	99.3





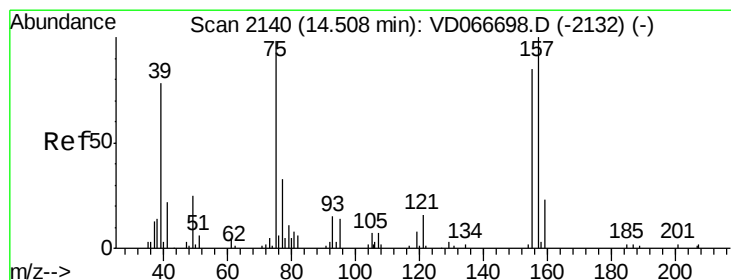
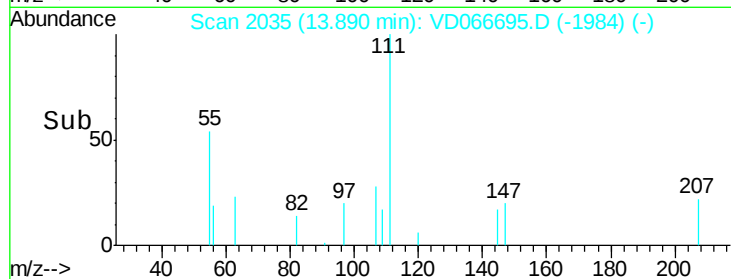
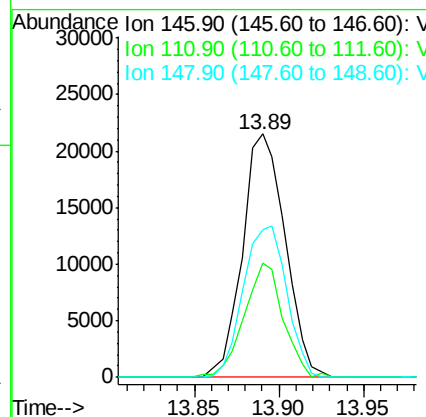
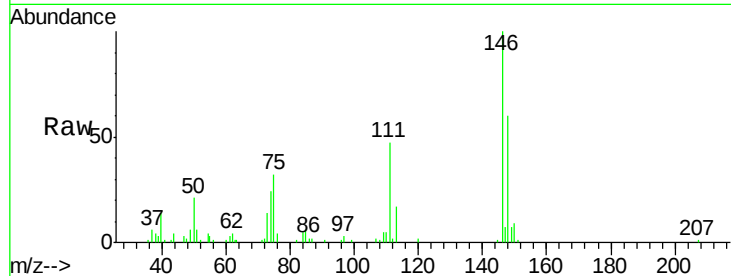
#91
 1,2-Dichlorobenzene
 Concen: 4.874 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD066695.D
 Acq: 15 Sep 2020 13:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.6	64.6
148	63.0	31.4	94.3

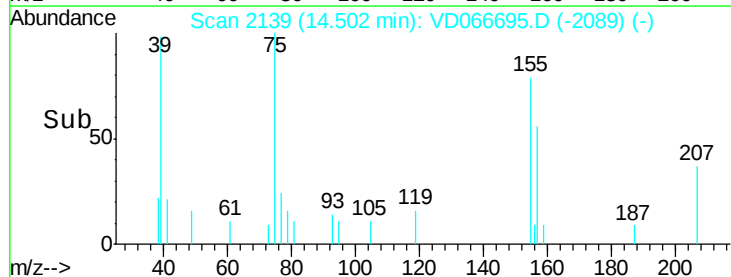
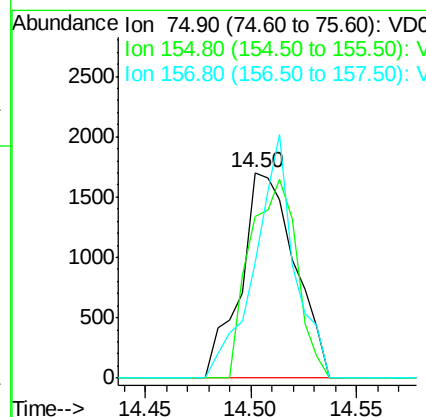
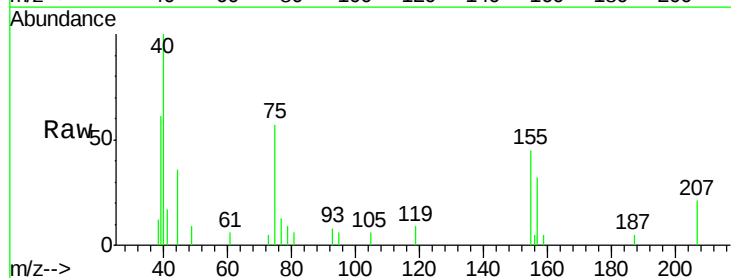
Manual Integrations
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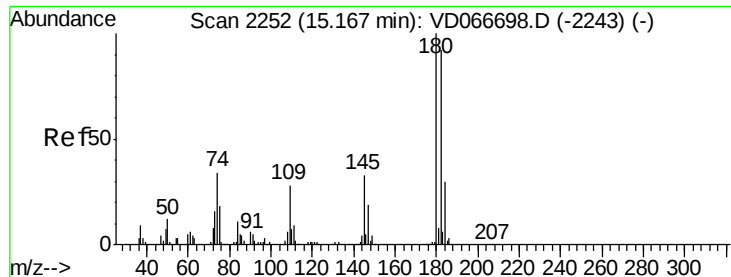
MMDadoda
 9/16/2020 11:44:14 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.382 ug/l
 RT: 14.50 min Scan# 2139
 Delta R.T. -0.01 min
 Lab File: VD066695.D
 Acq: 15 Sep 2020 13:28

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.6	38.9	116.7
157	86.9	46.4	139.2





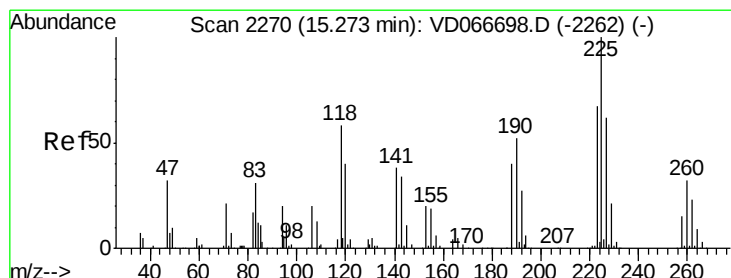
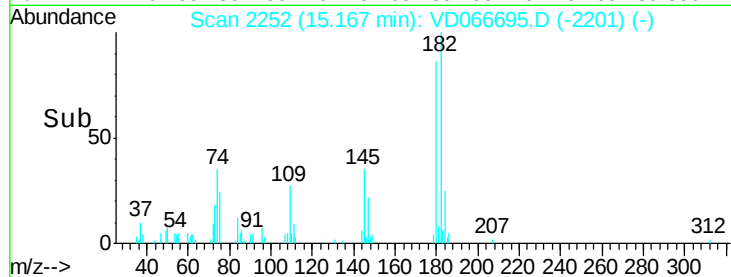
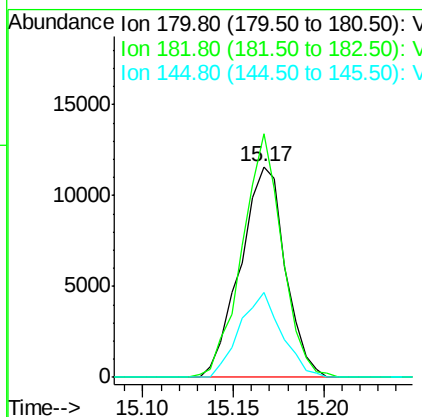
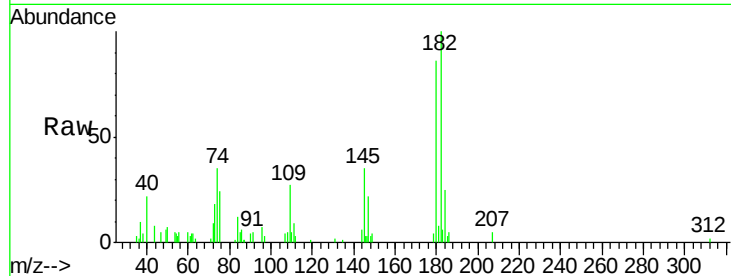
#93
 1,2,4-Trichlorobenzene
 Concen: 4.257 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD066695.D
 Acq: 15 Sep 2020 13:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	102.5	46.6	139.7
145	37.7	16.5	49.5

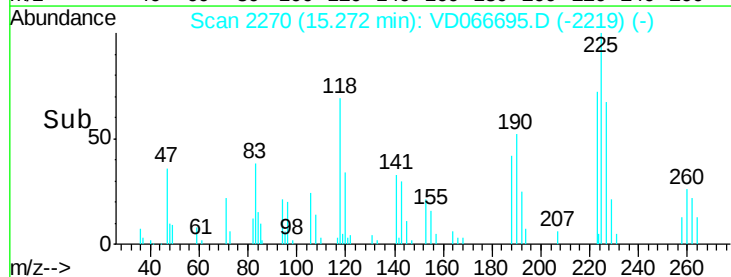
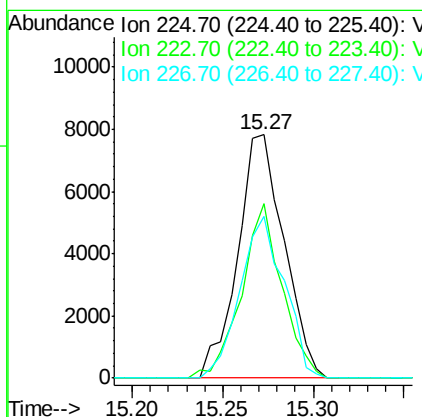
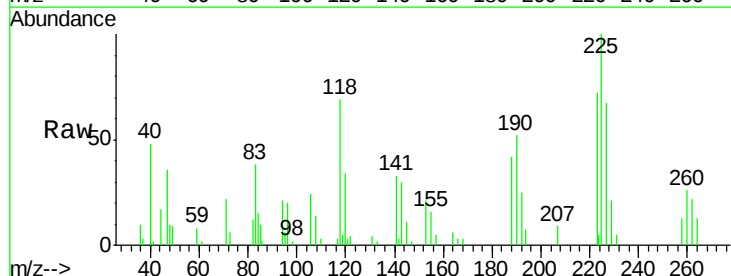
Manual Integrations
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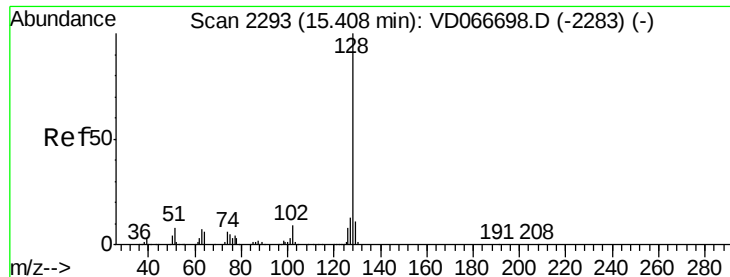
MMDadoda
 9/16/2020 11:44:14 AM



#94
 Hexachlorobutadiene
 Concen: 4.914 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD066695.D
 Acq: 15 Sep 2020 13:28

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.6	31.9	95.9
227	63.4	31.3	93.9





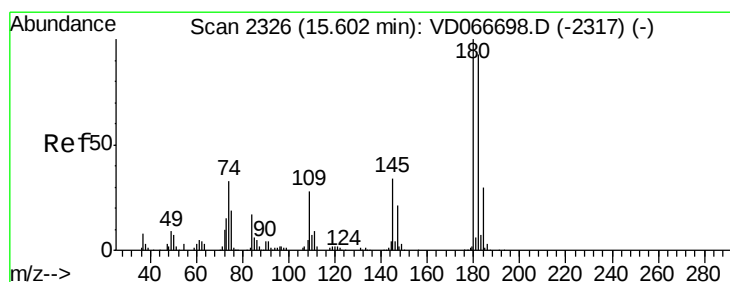
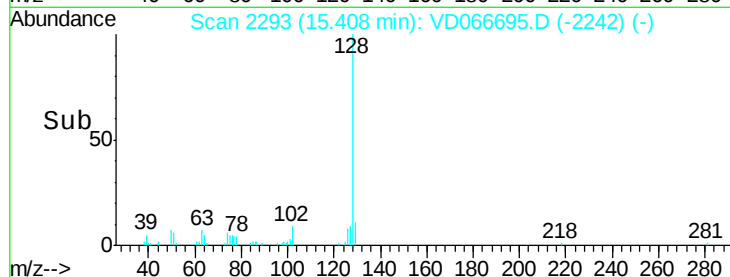
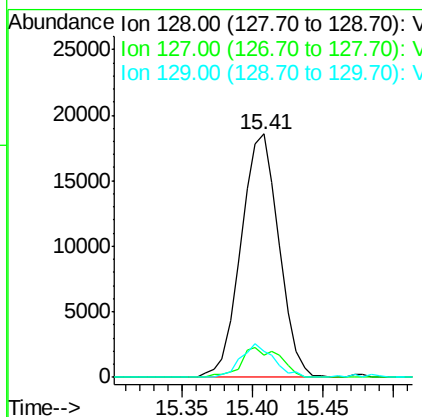
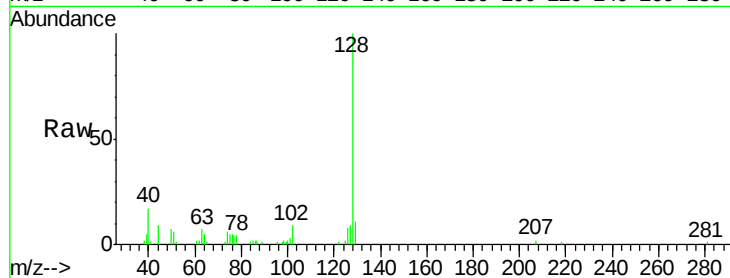
#95
Naphthalene
Concen: 4.262 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD066695.D
Acq: 15 Sep 2020 13:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
128	100	34985		
127	12.6		10.5	15.7
129	11.9		8.6	12.8

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 4.754 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. -0.01 min
Lab File: VD066695.D
Acq: 15 Sep 2020 13:28

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	19512		
182	96.8		46.6	139.8
145	34.7		17.1	51.3

