

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD060520\
 Data File : VD065768.D
 Acq On : 05 Jun 2020 10:57
 Operator : VA/SY
 Sample : VSTDIC010
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 6/5/2020 4:12:40 PM

Quant Time: Jun 05 12:49:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060520S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 05 12:42:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	215352	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	344778	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	315511	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	154316	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	21458	9.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.90%	
35) Dibromofluoromethane	7.92	113	21460	9.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.64%	
50) Toluene-d8	10.34	98	77343	9.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.46%	
62) 4-Bromofluorobenzene	12.63	95	26466	9.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.62%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.99	85	18493	10.53	ug/l	99
3) Chloromethane	2.21	50	31629	10.61	ug/l	99
4) Vinyl Chloride	2.35	62	34882	10.24	ug/l	95
5) Bromomethane	2.77	94	24932	10.46	ug/l	87
6) Chloroethane	2.93	64	23764	10.35	ug/l	93
7) Trichlorofluoromethane	3.27	101	39883	10.42	ug/l	95
8) Diethyl Ether	3.71	74	9795	10.11	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	4.09	101	23086	10.16	ug/l	98
10) Methyl Iodide	4.30	142	18826	9.49	ug/l	98
11) Tert butyl alcohol	5.22	59	8286	47.44	ug/l #	74
12) 1,1-Dichloroethene	4.06	96	20012	9.81	ug/l	93
13) Acrolein	3.93	56	6845	53.39	ug/l	93
14) Allyl chloride	4.72	41	33139	10.01	ug/l	96
15) Acrylonitrile	5.43	53	21410	48.78	ug/l	100
16) Acetone	4.16	43	19927	48.80	ug/l	97
17) Carbon Disulfide	4.41	76	70250	10.21	ug/l #	94
18) Methyl Acetate	4.72	43	10001	8.90	ug/l	99
19) Methyl tert-butyl Ether	5.47	73	42579	9.48	ug/l	93
20) Methylene Chloride	4.97	84	26715	9.99	ug/l	88
21) trans-1,2-Dichloroethene	5.47	96	24881	10.55	ug/l	93
22) Diisopropyl ether	6.36	45	66111	9.94	ug/l #	92
23) Vinyl Acetate	6.31	43	181845	49.92	ug/l	97
24) 1,1-Dichloroethane	6.27	63	41631	10.11	ug/l	96
25) 2-Butanone	7.22	43	26405	46.98	ug/l #	89
26) 2,2-Dichloropropane	7.21	77	36007	9.84	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	24322	9.68	ug/l	95
28) Bromochloromethane	7.56	49	14984	9.65	ug/l	99
29) Tetrahydrofuran	7.56	42	17561	49.63	ug/l	96
30) Chloroform	7.71	83	42140	9.90	ug/l	96
31) Cyclohexane	7.99	56	41062	10.13	ug/l #	85
32) 1,1,1-Trichloroethane	7.91	97	38588	9.83	ug/l	97
36) 1,1-Dichloropropene	8.11	75	33114	9.77	ug/l	99
37) Ethyl Acetate	7.30	43	11988	9.09	ug/l #	97
38) Carbon Tetrachloride	8.10	117	35447	9.97	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	38442	9.77	ug/l	97
40) Benzene	8.36	78	90737	9.91	ug/l	95
41) Methacrylonitrile	7.53	41	7412	9.02	ug/l #	71
42) 1,2-Dichloroethane	8.43	62	27314	9.74	ug/l	98
43) Isopropyl Acetate	8.45	43	24447	9.45	ug/l	98
44) Trichloroethene	9.11	130	25242	9.92	ug/l	91
45) 1,2-Dichloropropane	9.39	63	23054	9.96	ug/l	95
46) Dibromomethane	9.47	93	12420	9.95	ug/l	98
47) Bromodichloromethane	9.66	83	32827	9.76	ug/l #	99
48) Methyl methacrylate	9.46	41	12692	10.03	ug/l	99
49) 1,4-Dioxane	9.47	88	2602	198.26	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	59410	47.12	ug/l	96
52) Toluene	10.41	92	56844	9.69	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	28889	9.75	ug/l	91
54) cis-1,3-Dichloropropene	10.09	75	35734	10.18	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	16280	9.82	ug/l	92
56) Ethyl methacrylate	10.66	69	17530	9.33	ug/l #	92
57) 1,3-Dichloropropane	10.95	76	27722	9.65	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	41486	47.08	ug/l	100
59) 2-Hexanone	10.99	43	39054	46.47	ug/l	100
60) Dibromochloromethane	11.14	129	21835	9.79	ug/l	98
61) 1,2-Dibromoethane	11.25	107	15639	9.68	ug/l	98
64) Tetrachloroethene	10.87	164	21218	9.71	ug/l	96
65) Chlorobenzene	11.67	112	60905	9.76	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.74	131	22129	9.57	ug/l	96
67) Ethyl Benzene	11.75	91	107608	9.75	ug/l	98
68) m/p-Xylenes	11.86	106	84133	19.80	ug/l	97
69) o-Xylene	12.18	106	36108	9.58	ug/l	99
70) Styrene	12.20	104	62116	9.54	ug/l	98
71) Bromoform	12.36	173	11228	8.89	ug/l #	99
73) Isopropylbenzene	12.48	105	99430	9.57	ug/l	99
74) N-amyl acetate	12.29	43	21577	9.36	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	17710	9.80	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	13225m	10.94	ug/l	
77) Bromobenzene	12.77	156	23793	9.65	ug/l	95
78) n-propylbenzene	12.83	91	121995	9.67	ug/l	100
79) 2-Chlorotoluene	12.91	91	68746	9.93	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	83255	9.63	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	5174	9.45	ug/l	96
82) 4-Chlorotoluene	13.01	91	74198	9.92	ug/l	97
83) tert-Butylbenzene	13.23	119	71959	9.62	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	82792	9.57	ug/l	98
85) sec-Butylbenzene	13.41	105	101042	9.64	ug/l	98
86) p-Isopropyltoluene	13.52	119	91281	9.59	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	47859	9.73	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	46962	9.57	ug/l	93
89) n-Butylbenzene	13.85	91	87555	9.57	ug/l	98
90) Hexachloroethane	14.11	117	18640	9.64	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	41376	9.81	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	2684	8.98	ug/l	85

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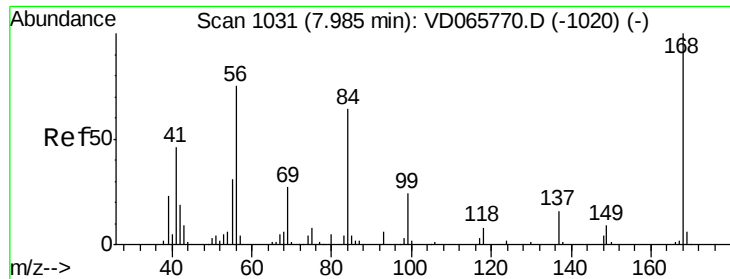
Manual Integrations
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6/5/2020 4:12:40 PM

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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	26706	9.56	ug/l	99
94) Hexachlorobutadiene	15.27	225	16005	9.30	ug/l	98
95) Naphthalene	15.41	128	41797	8.96	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	22521	9.37	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065768.D

Acq: 05 Jun 2020 10:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tgt Ion: 168 Resp: 215352

Ion Ratio Lower Upper

168 100

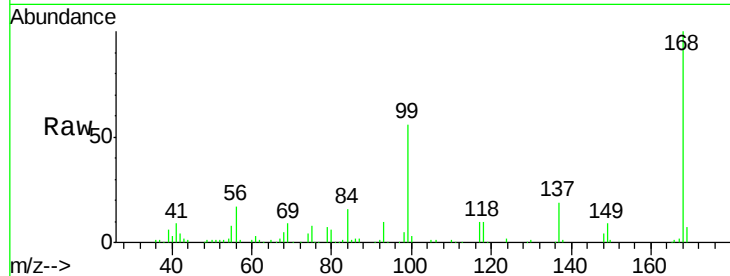
99 56.0 45.3 67.9

Manual Integrations

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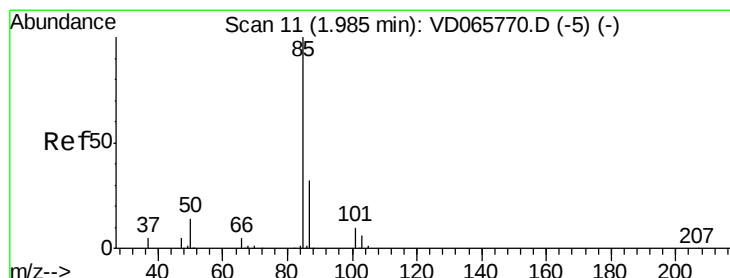
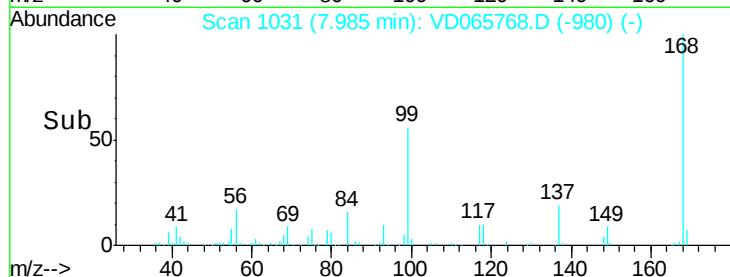
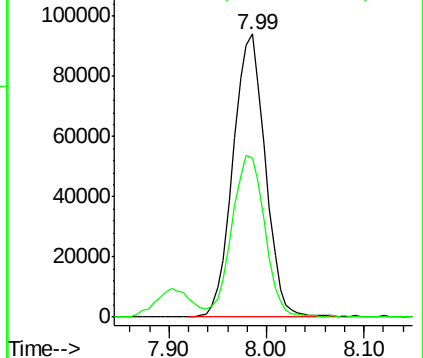
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 10.53 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD065768.D

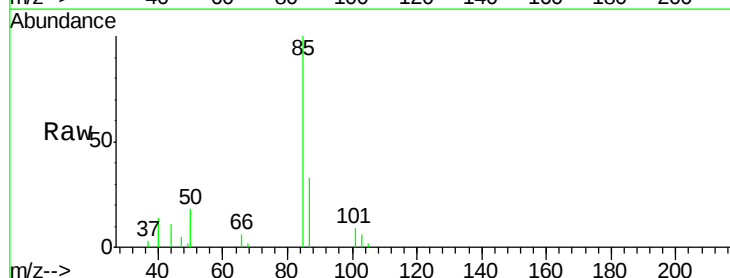
Acq: 05 Jun 2020 10:57

Tgt Ion: 85 Resp: 18493

Ion Ratio Lower Upper

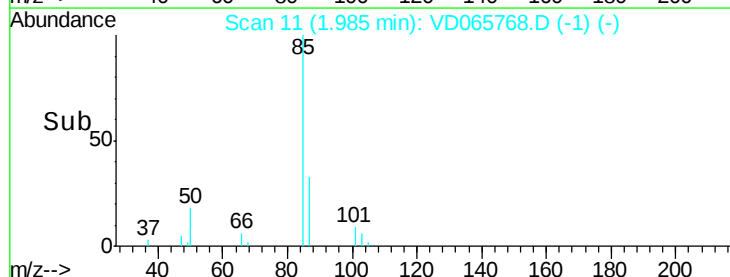
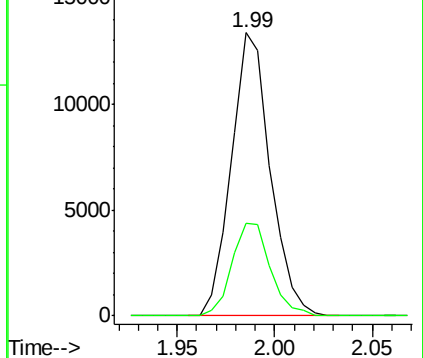
85 100

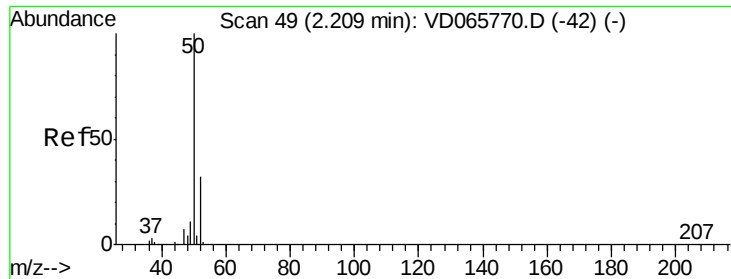
87 32.7 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 10.61 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065768.D

Acq: 05 Jun 2020 10:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tgt Ion: 50 Resp: 31629

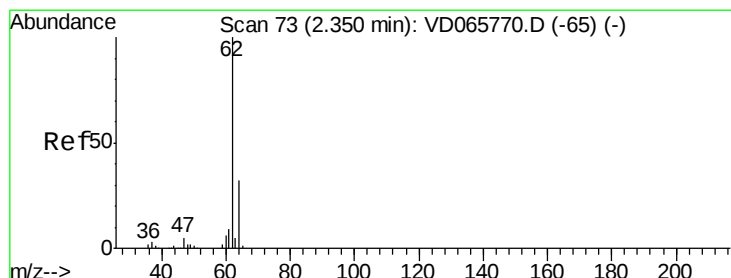
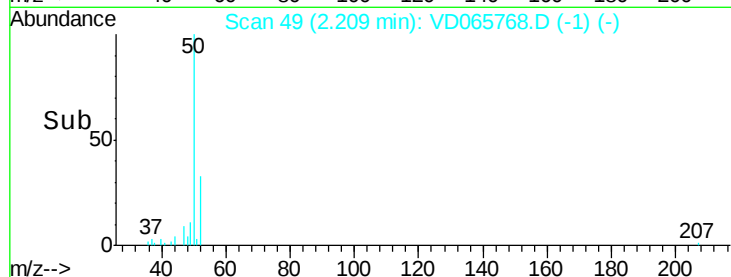
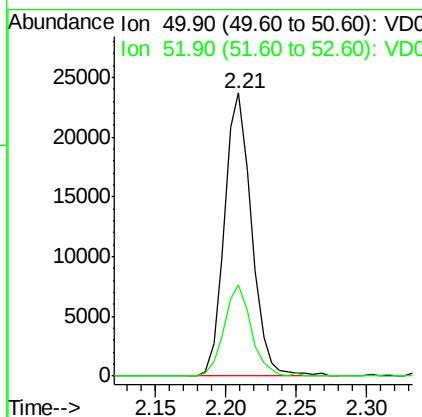
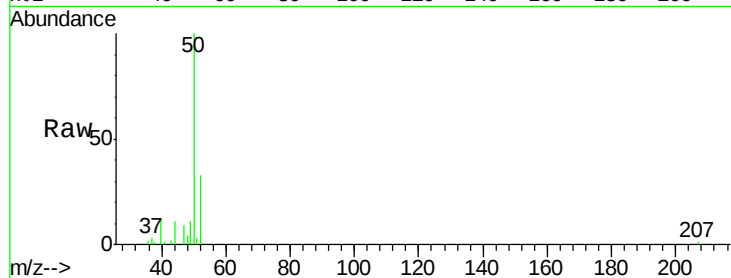
Ion Ratio Lower Upper

50 100

52 32.5 25.6 38.4

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#4

Vinyl Chloride

Concen: 10.24 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065768.D

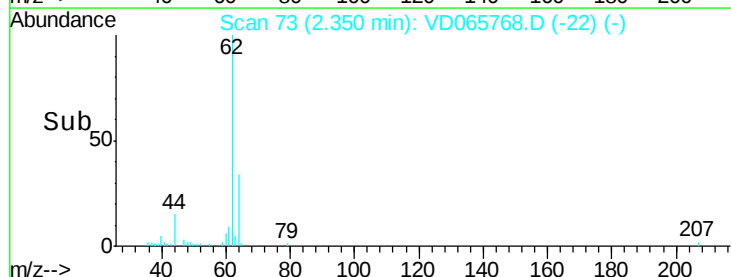
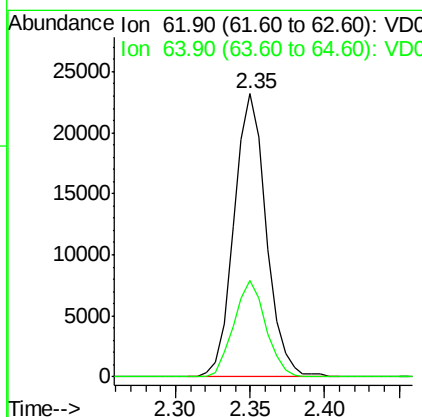
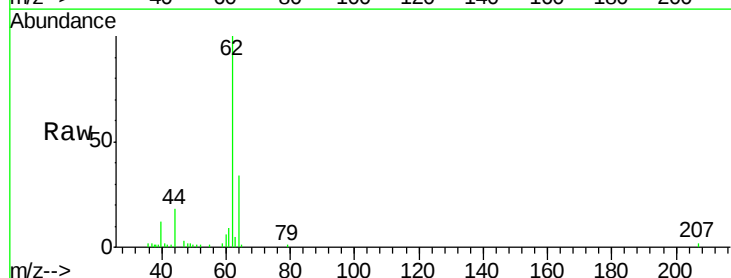
Acq: 05 Jun 2020 10:57

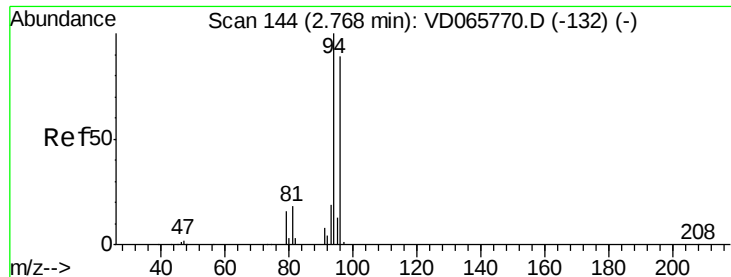
Tgt Ion: 62 Resp: 34882

Ion Ratio Lower Upper

62 100

64 34.3 25.3 37.9





#5

Bromomethane

Concen: 10.46 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD065768.D

Acq: 05 Jun 2020 10:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tgt Ion: 94 Resp: 24932

Ion Ratio Lower Upper

94 100

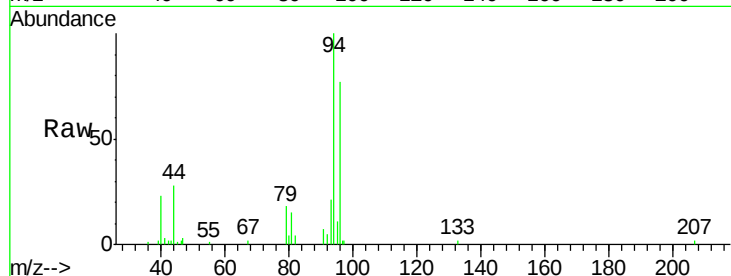
96 77.4 71.4 107.0

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

15000

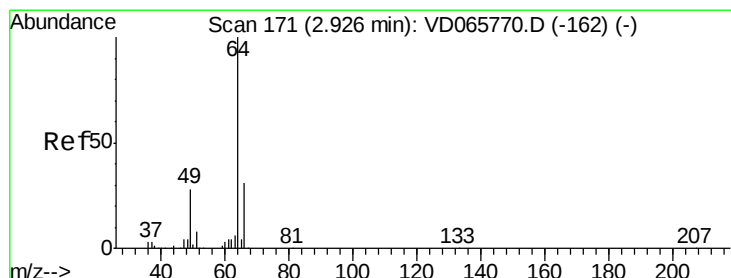
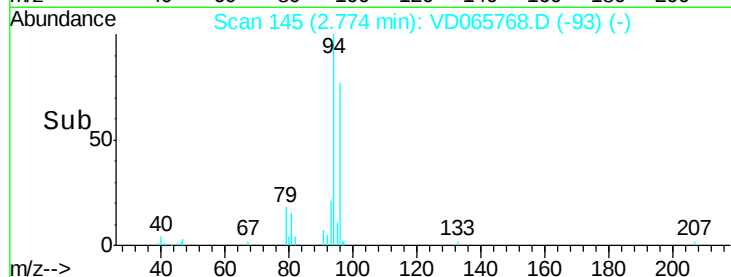
10000

5000

0

2.70 2.75 2.80 2.85

Time-->



#6

Chloroethane

Concen: 10.35 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD065768.D

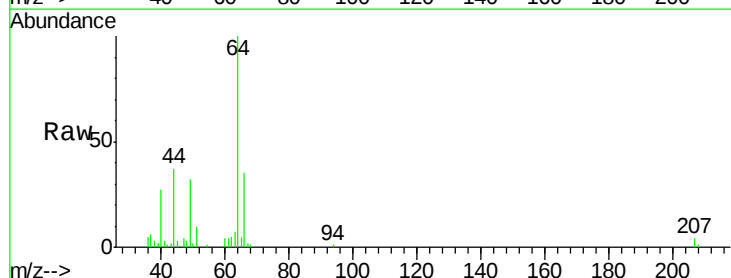
Acq: 05 Jun 2020 10:57

Tgt Ion: 64 Resp: 23764

Ion Ratio Lower Upper

64 100

66 34.6 24.5 36.7



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

12000

10000

8000

6000

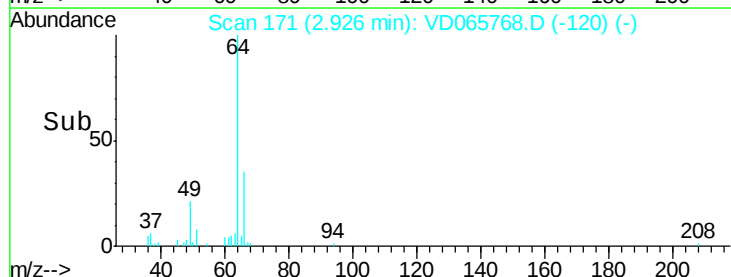
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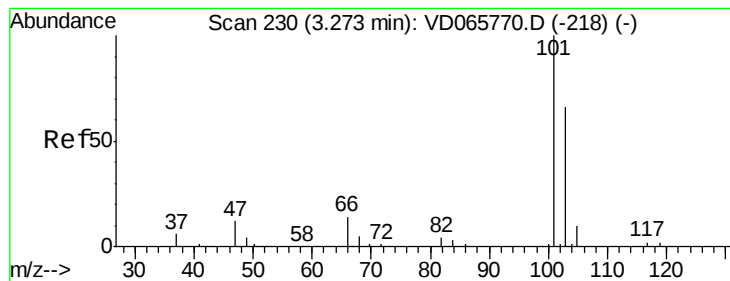
2000

0

2.85 2.90 2.95 3.00

Time-->





#7

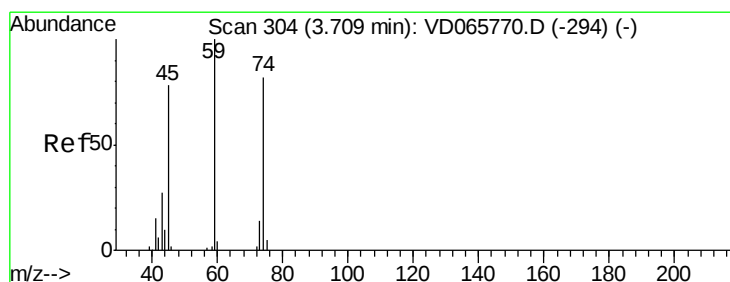
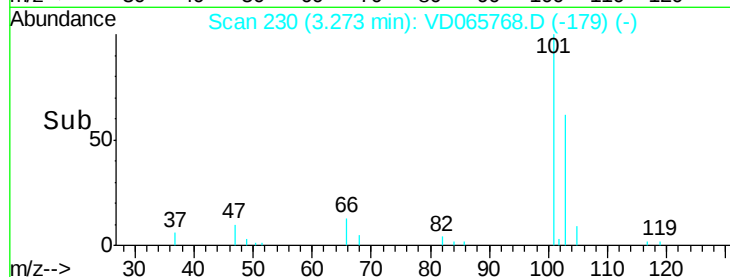
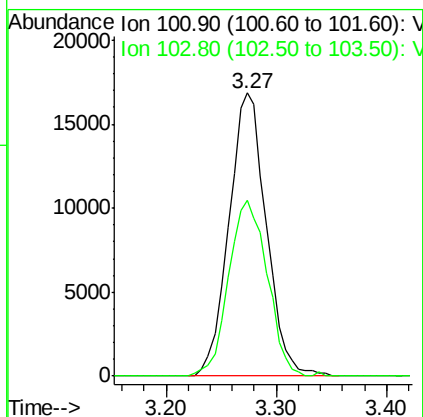
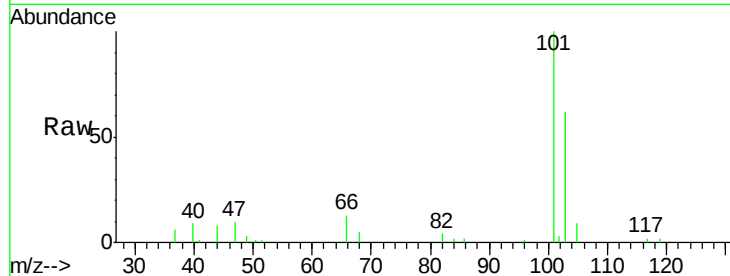
Trichlorofluoromethane
Concen: 10.42 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD065768.D
Acq: 05 Jun 2020 10:57

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VSTDIC010

Tgt Ion	Ratio	Lower	Upper
101	100		
103	62.3	53.1	79.7

Manual Integrations
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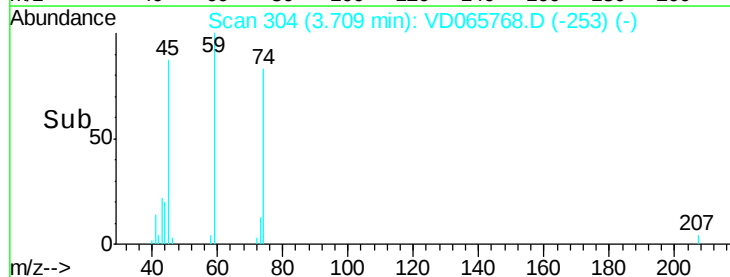
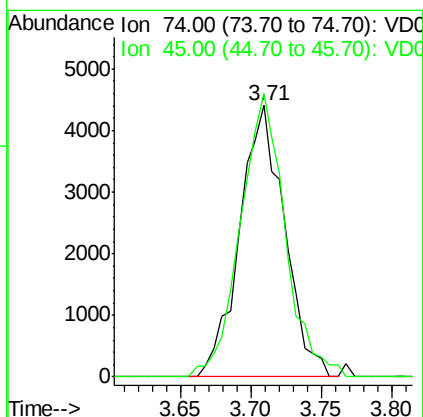
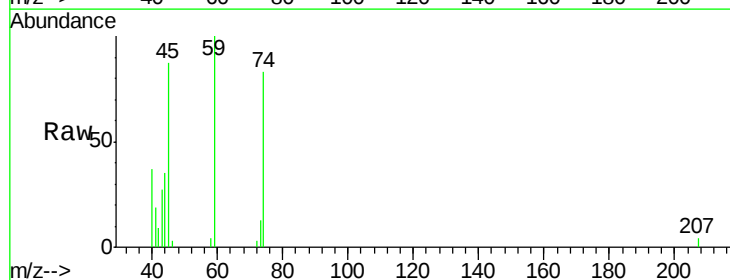
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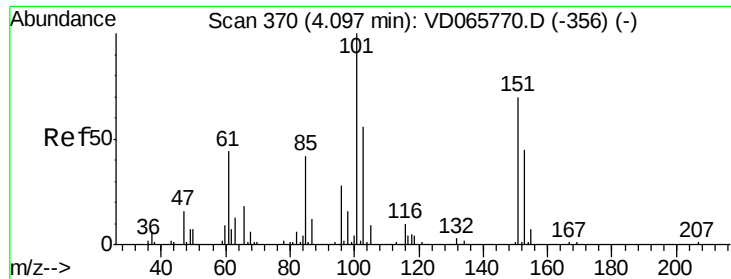


#8

Diethyl Ether
Concen: 10.11 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD065768.D
Acq: 05 Jun 2020 10:57

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.4	47.9	143.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.16 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD065768.D

Acq: 05 Jun 2020 10:57

Instrument :

MSVOA_D

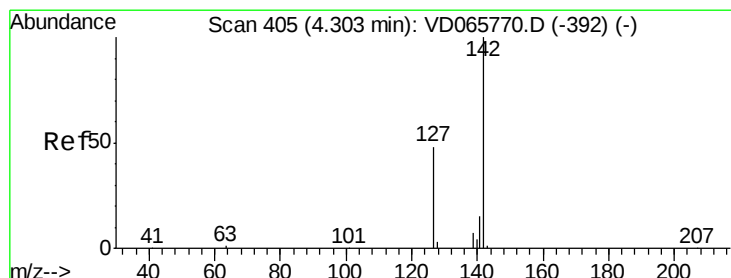
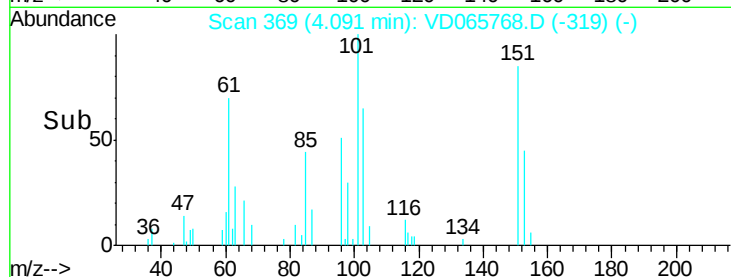
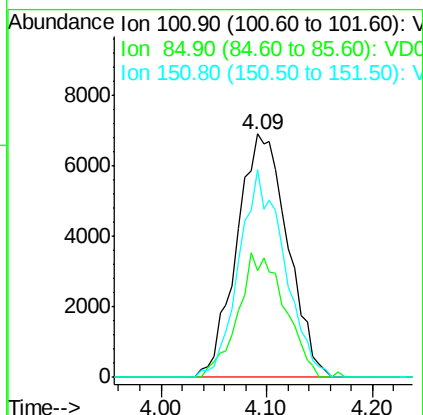
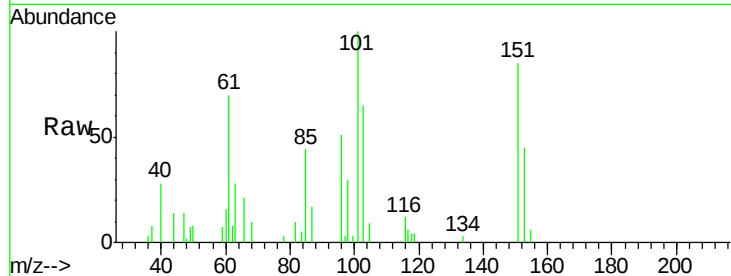
ClientSampleId :

VSTDIC010

Tgt Ion:	101	Resp:	23086
Ion Ratio	Lower	Upper	
101	100		
85	46.8	36.5	54.7
151	75.5	61.8	92.6

Manual Integrations
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#10

Methyl Iodide

Concen: 9.49 ug/l

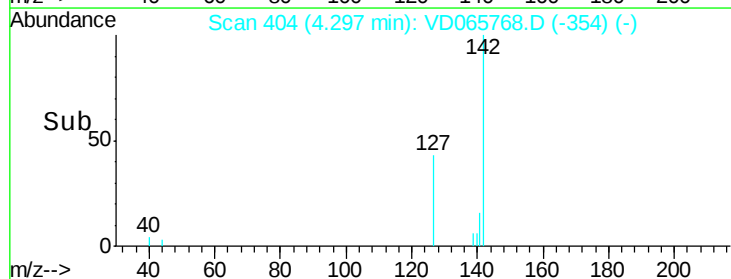
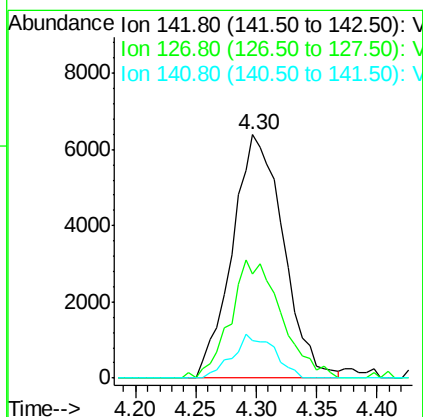
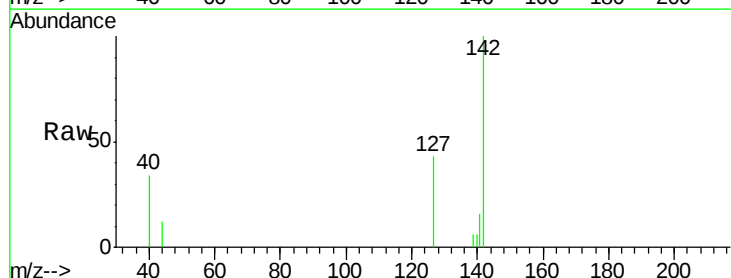
RT: 4.30 min Scan# 404

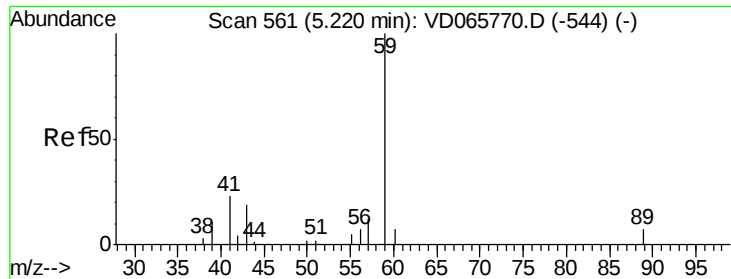
Delta R.T. -0.01 min

Lab File: VD065768.D

Acq: 05 Jun 2020 10:57

Tgt Ion:	142	Resp:	18826
Ion Ratio	Lower	Upper	
142	100		
127	48.2	37.6	56.4
141	14.7	12.1	18.1





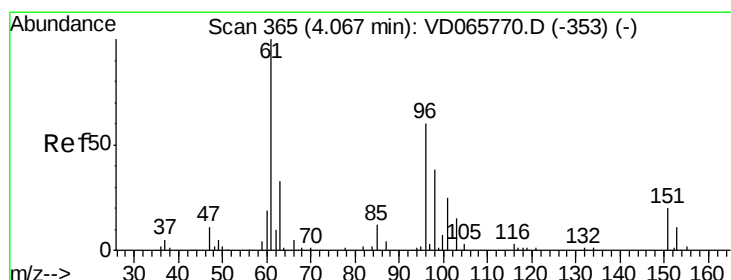
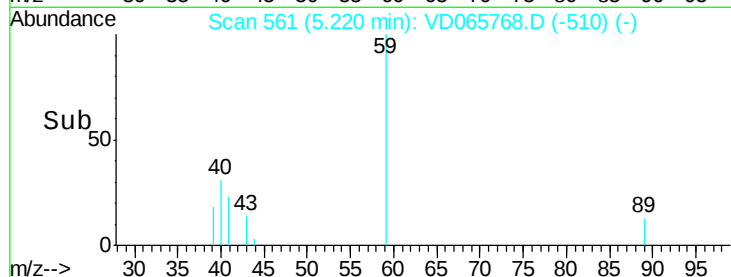
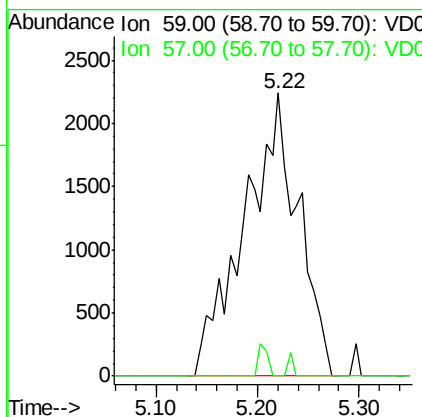
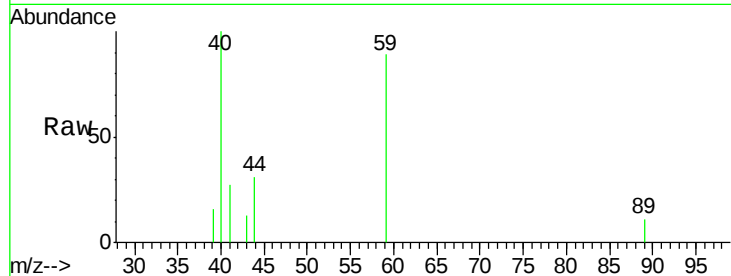
#11
Tert butyl alcohol
Concen: 47.44 ug/l
RT: 5.22 min Scan# 561
Delta R.T. 0.00 min
Lab File: VD065768.D
Acq: 05 Jun 2020 10:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion: 59 Resp: 8286
Ion Ratio Lower Upper
59 100
57 0.0 7.5 11.3#

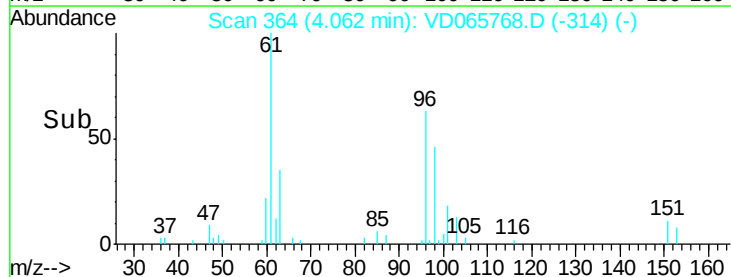
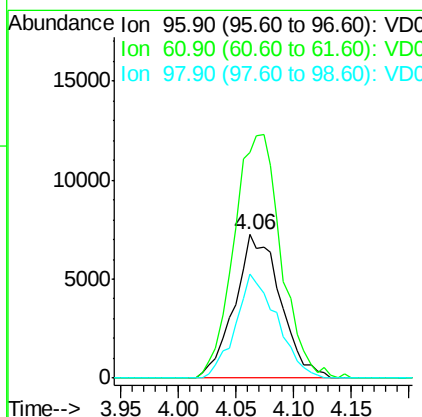
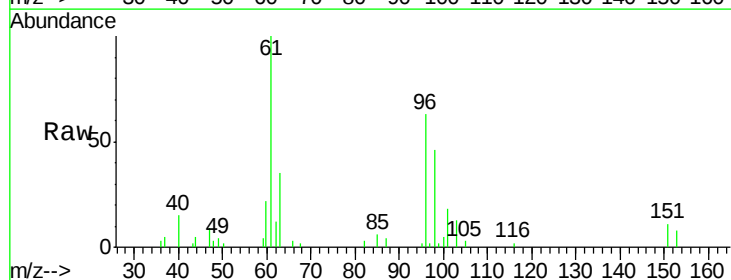
Manual Integrations
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#12
1,1-Dichloroethene
Concen: 9.81 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.01 min
Lab File: VD065768.D
Acq: 05 Jun 2020 10:57

Tgt Ion: 96 Resp: 20012
Ion Ratio Lower Upper
96 100
61 157.5 132.3 198.5
98 72.2 50.7 76.1





#13

Acrolein

Concen: 53.39 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD065768.D

Acq: 05 Jun 2020 10:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tgt Ion: 56 Resp: 6845

Ion Ratio Lower Upper

56 100

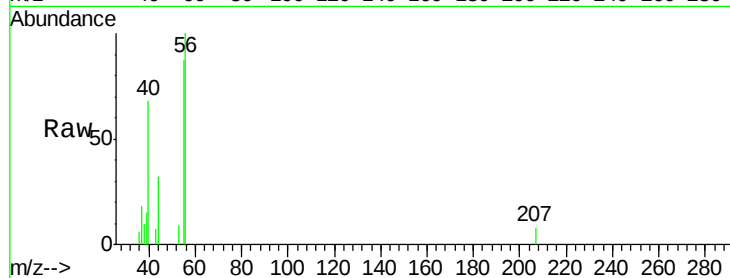
55 74.5 54.8 82.2

Manual Integrations

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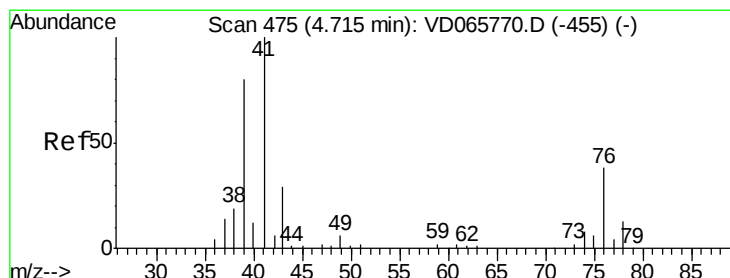
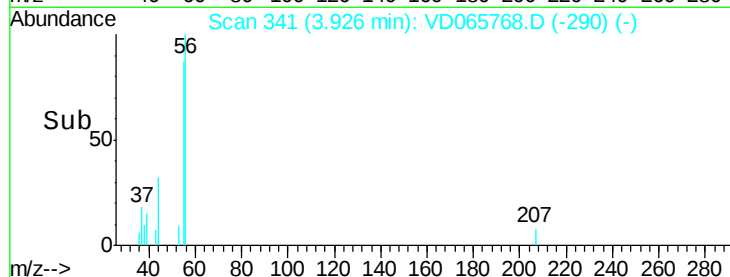
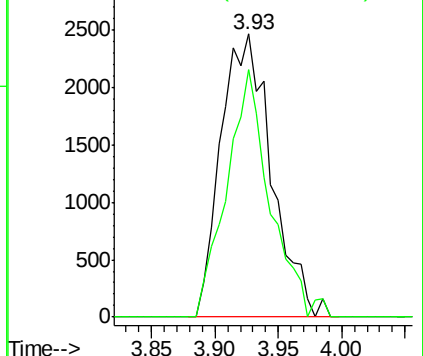
MMDadoda

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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: 10.01 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD065768.D

Acq: 05 Jun 2020 10:57

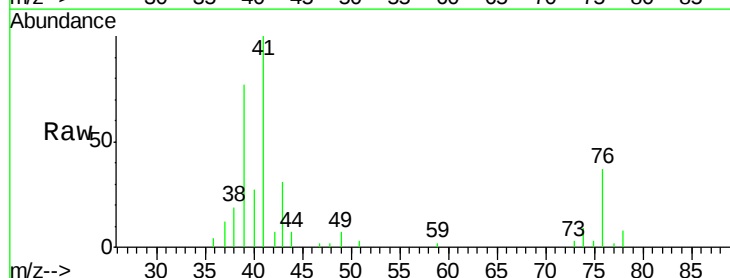
Tgt Ion: 41 Resp: 33139

Ion Ratio Lower Upper

41 100

39 80.9 60.9 91.3

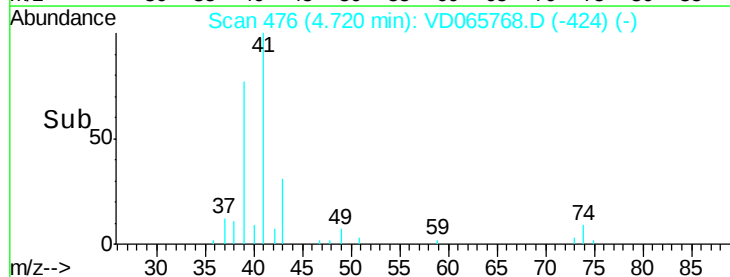
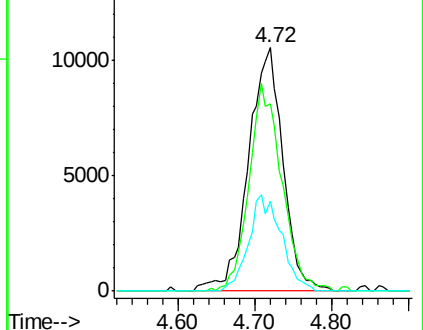
76 37.2 28.9 43.3

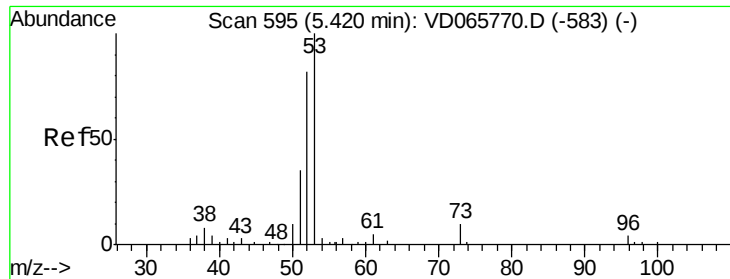


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 48.78 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.01 min

Lab File: VD065768.D

Acq: 05 Jun 2020 10:57

Instrument :

MSVOA_D

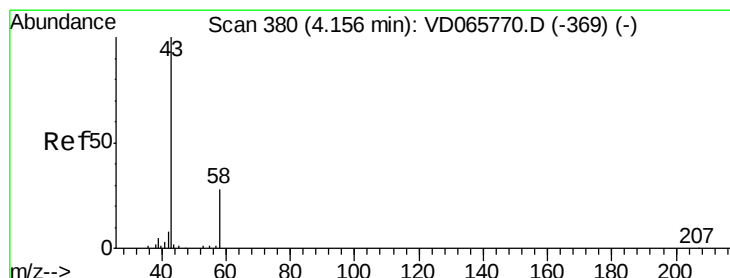
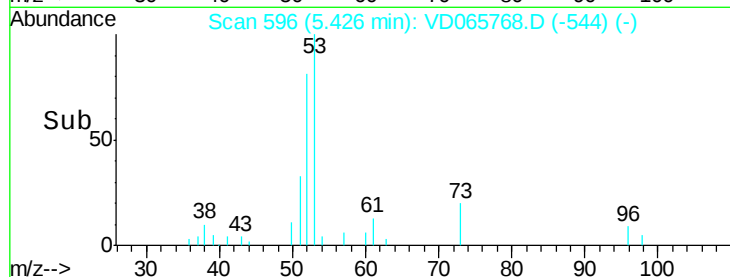
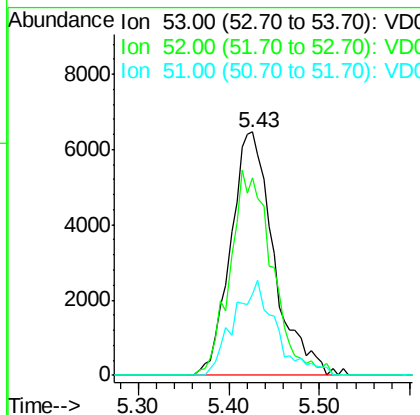
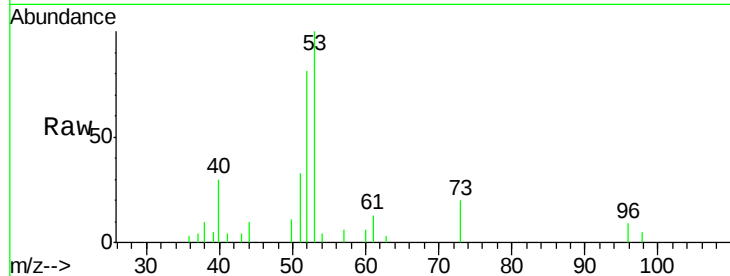
ClientSampleId :

VSTDIC010

Tgt Ion:	53	Resp:	21410
Ion	Ratio	Lower	Upper
53	100		
52	82.2	66.2	99.2
51	38.4	30.7	46.1

Manual Integrations
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#16

Acetone

Concen: 48.80 ug/l

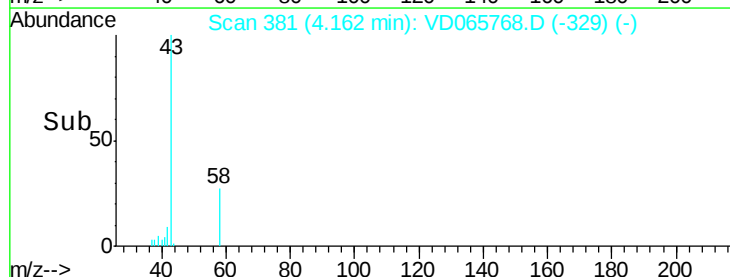
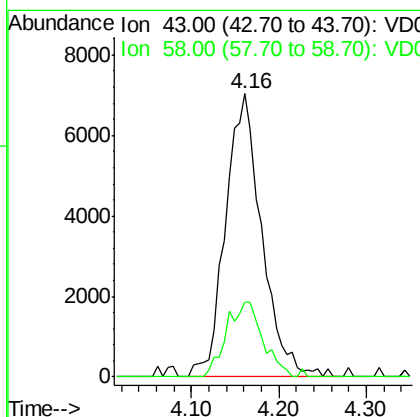
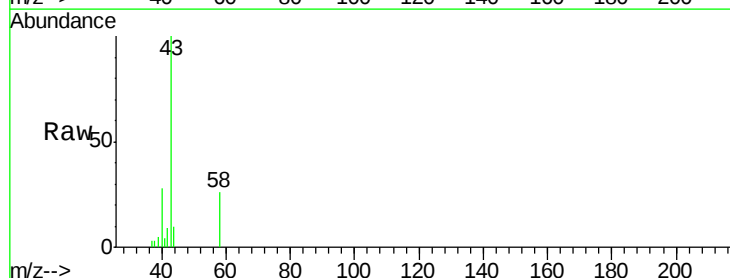
RT: 4.16 min Scan# 381

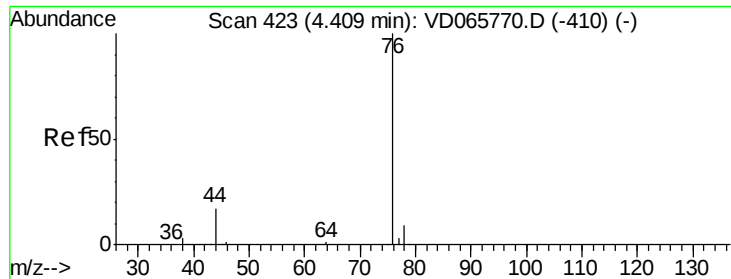
Delta R.T. 0.01 min

Lab File: VD065768.D

Acq: 05 Jun 2020 10:57

Tgt Ion:	43	Resp:	19927
Ion	Ratio	Lower	Upper
43	100		
58	26.2	22.3	33.5





#17

Carbon Disulfide

Concen: 10.21 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.00 min

Lab File: VD065768.D

Acq: 05 Jun 2020 10:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tgt Ion: 76 Resp: 70250

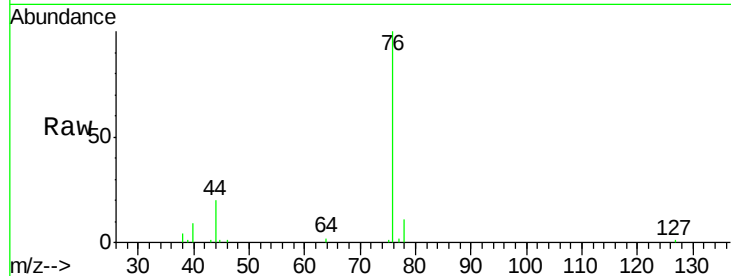
Ion Ratio Lower Upper

76 100

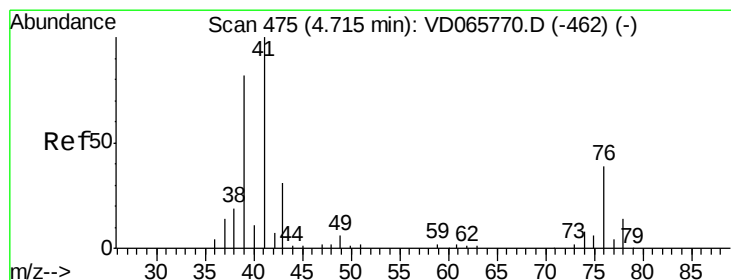
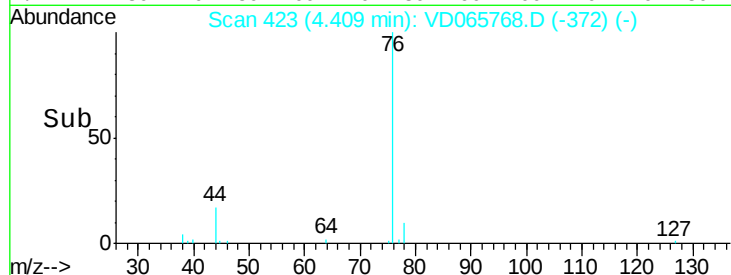
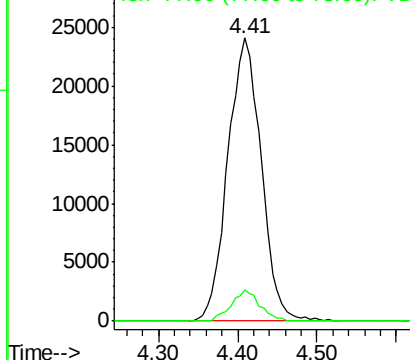
78 11.2 7.1 10.7#

Manual Integrations
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Abundance Ion 75.90 (75.60 to 76.60): VDC
Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 8.90 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD065768.D

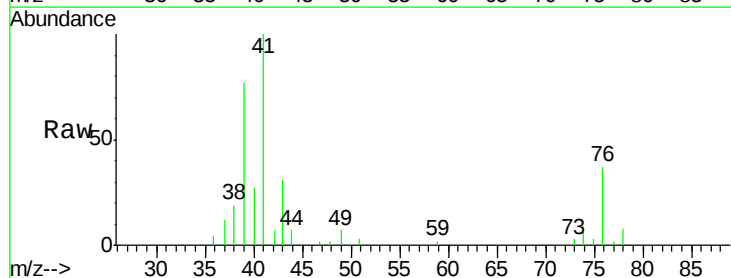
Acq: 05 Jun 2020 10:57

Tgt Ion: 43 Resp: 10001

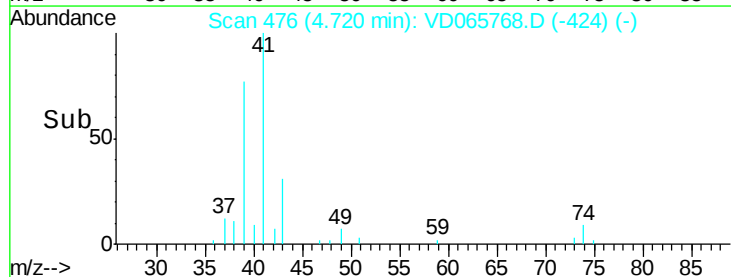
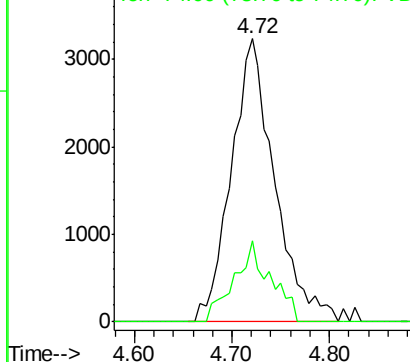
Ion Ratio Lower Upper

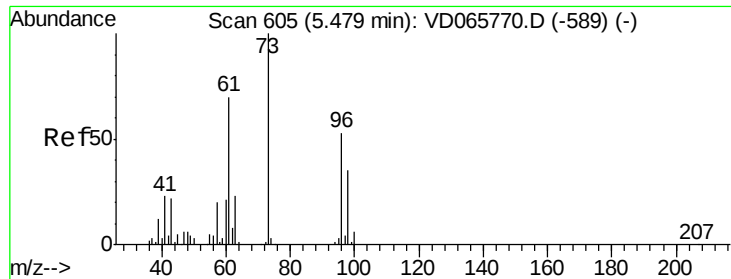
43 100

74 24.0 18.7 28.1



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 74.00 (73.70 to 74.70): VDC





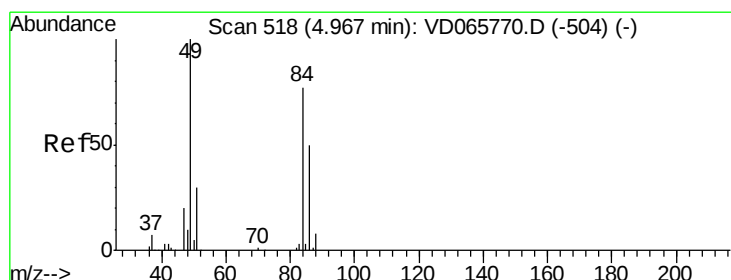
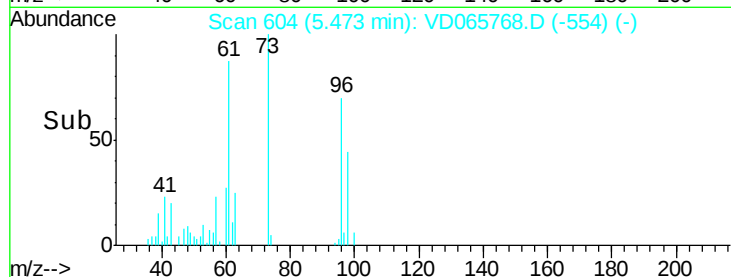
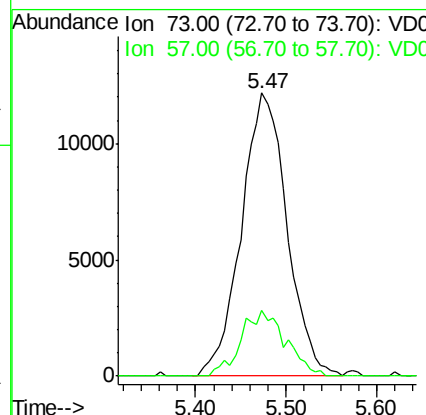
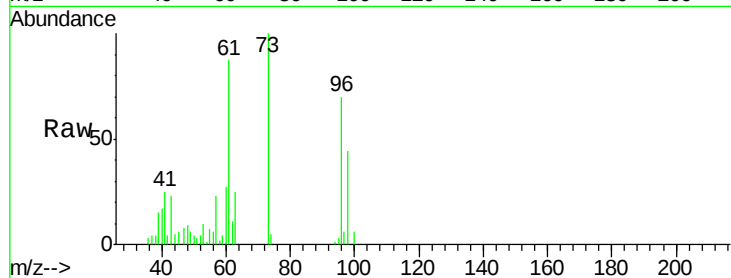
#19
Methyl tert-butyl Ether
Concen: 9.48 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.01 min
Lab File: VD065768.D
Acq: 05 Jun 2020 10:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion: 73 Resp: 42579
Ion Ratio Lower Upper
73 100
57 23.3 16.2 24.2

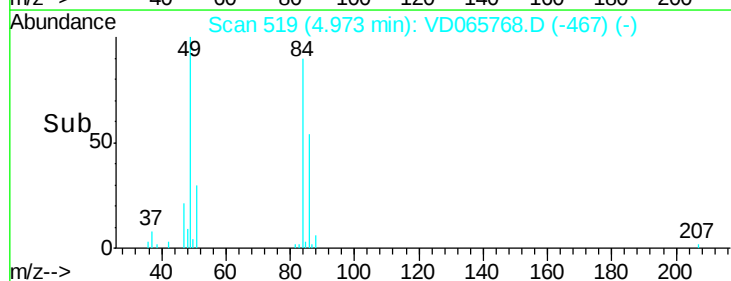
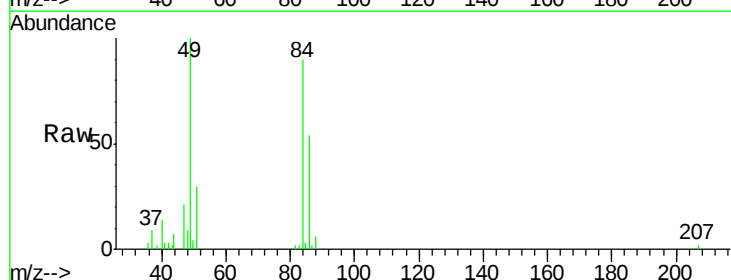
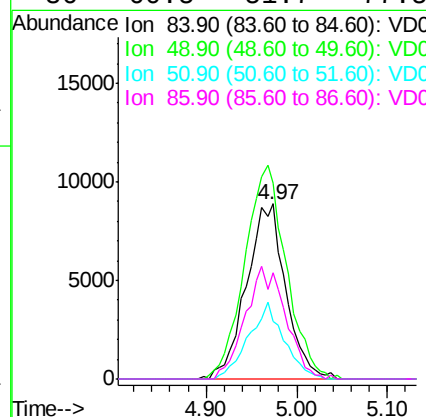
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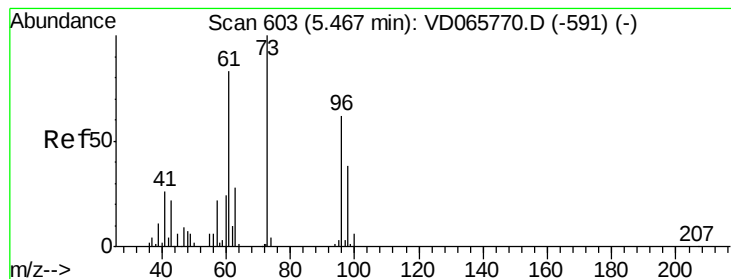
MMDadoda
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#20
Methylene Chloride
Concen: 9.99 ug/l
RT: 4.97 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD065768.D
Acq: 05 Jun 2020 10:57

Tgt Ion: 84 Resp: 26715
Ion Ratio Lower Upper
84 100
49 111.4 103.4 155.0
51 32.9 31.4 47.2
86 60.5 51.7 77.5





#21

trans-1,2-Dichloroethene

Concen: 10.55 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD065768.D

Acq: 05 Jun 2020 10:57

Instrument :

MSVOA_D

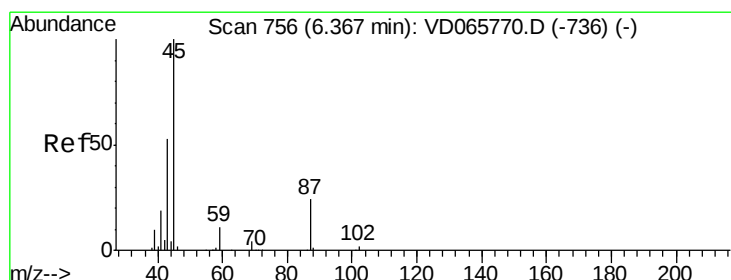
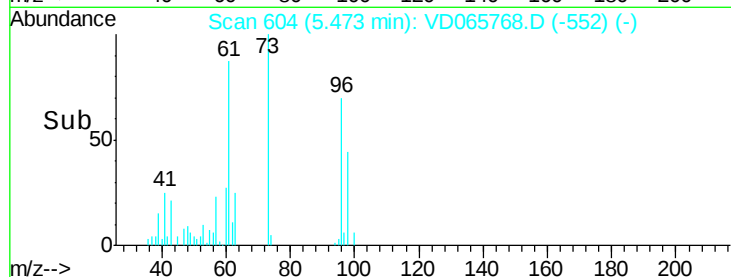
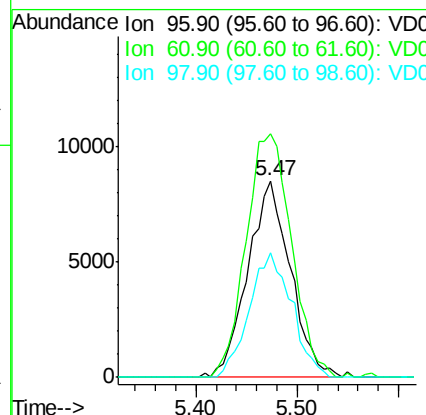
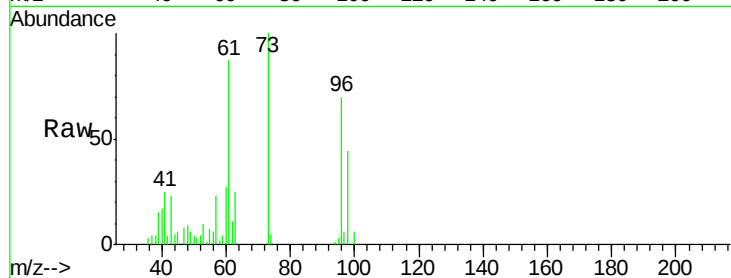
ClientSampleId :

VSTDIC010

Tgt Ion:	96	Resp:	24881
Ion	Ratio	Lower	Upper
96	100		
61	124.0	107.7	161.5
98	63.4	49.3	73.9

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#22

Diisopropyl ether

Concen: 9.94 ug/l

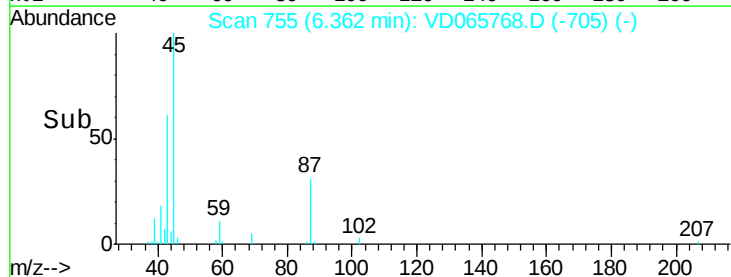
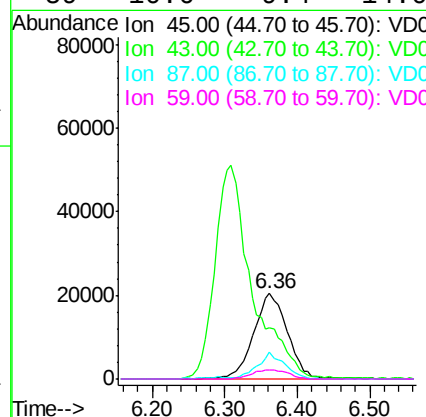
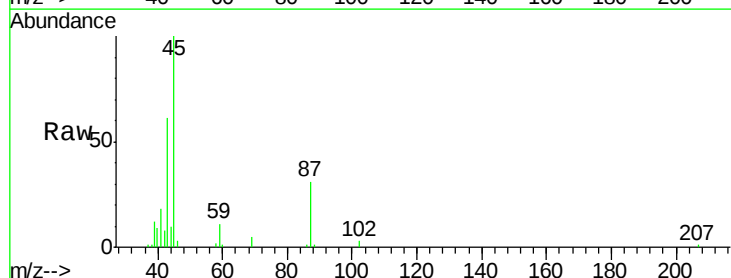
RT: 6.36 min Scan# 755

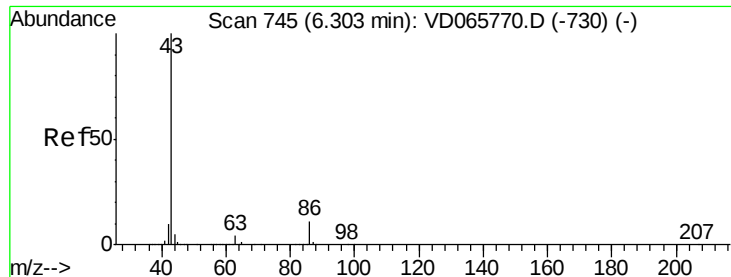
Delta R.T. -0.01 min

Lab File: VD065768.D

Acq: 05 Jun 2020 10:57

Tgt Ion:	45	Resp:	66111
Ion	Ratio	Lower	Upper
45	100		
43	59.1	43.4	65.0
87	31.3	20.2	30.4
59	10.6	9.4	14.0





#23

Vinyl Acetate

Concen: 49.92 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.01 min

Lab File: VD065768.D

Acq: 05 Jun 2020 10:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tgt Ion: 43 Resp: 181845

Ion Ratio Lower Upper

43 100

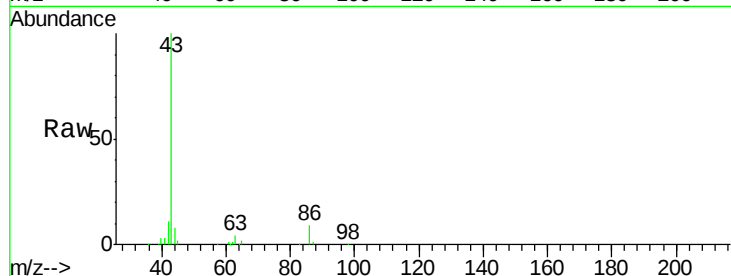
86 9.3 8.5 12.7

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

60000

50000

40000

30000

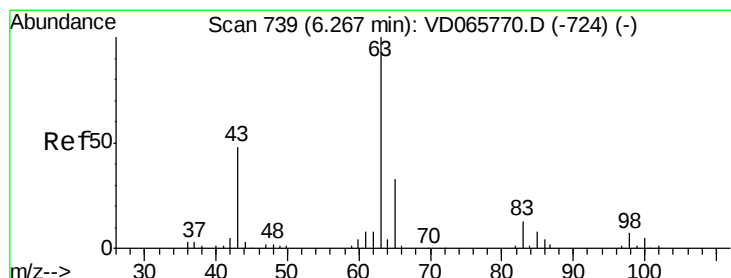
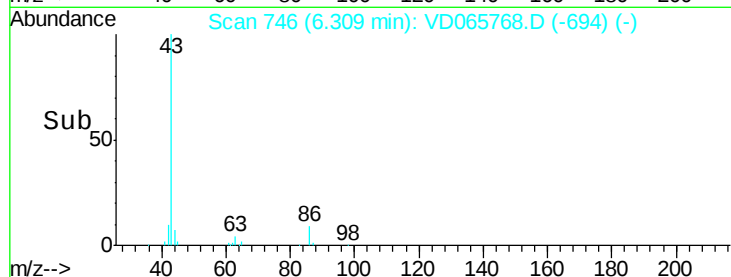
20000

10000

0

6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 10.11 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD065768.D

Acq: 05 Jun 2020 10:57

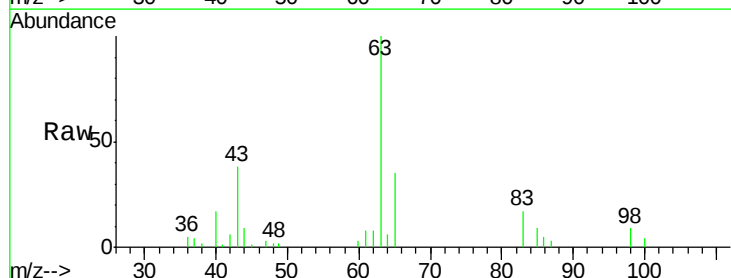
Tgt Ion: 63 Resp: 41631

Ion Ratio Lower Upper

63 100

98 9.1 3.5 10.5

100 4.2 2.3 6.9



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

15000

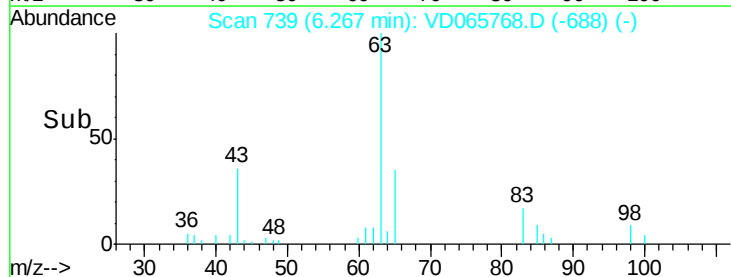
10000

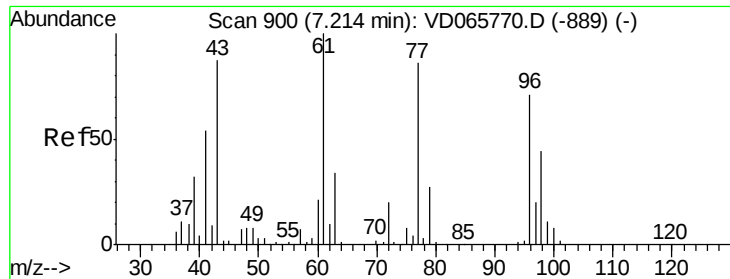
5000

0

6.20 6.30 6.40

Time-->





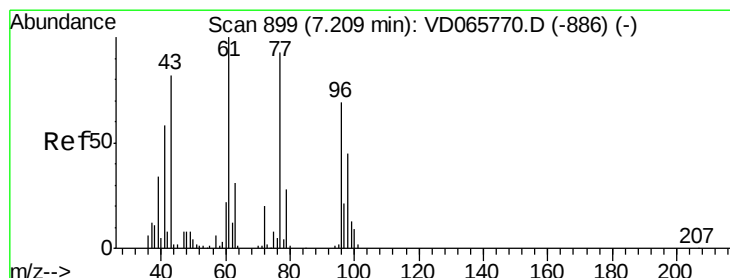
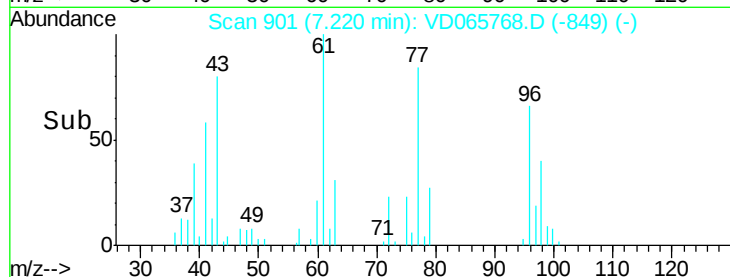
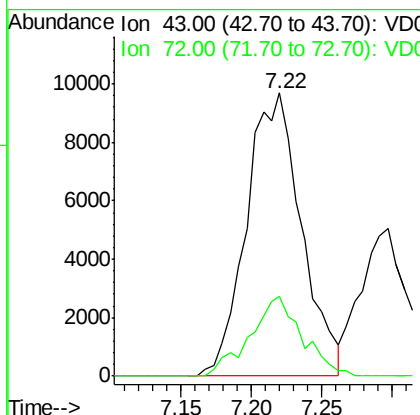
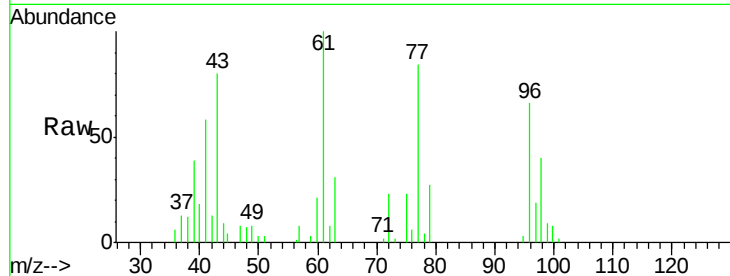
#25
2-Butanone
Concen: 46.98 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.01 min
Lab File: VD065768.D
Acq: 05 Jun 2020 10:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion: 43 Resp: 26405
Ion Ratio Lower Upper
43 100
72 28.4 18.5 27.7#

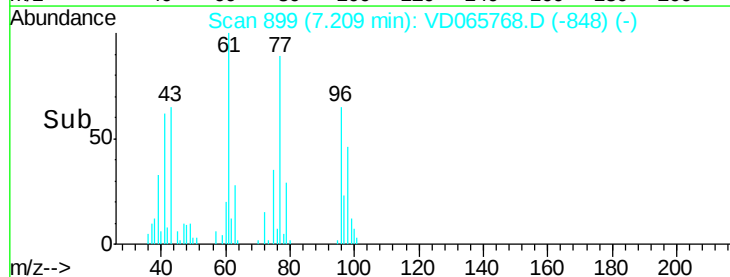
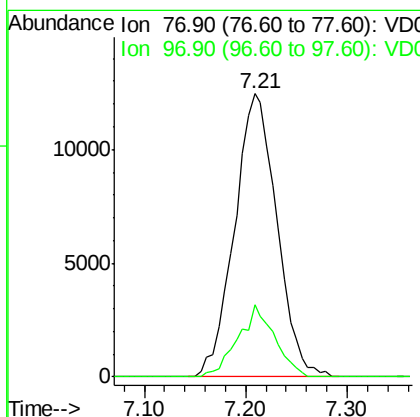
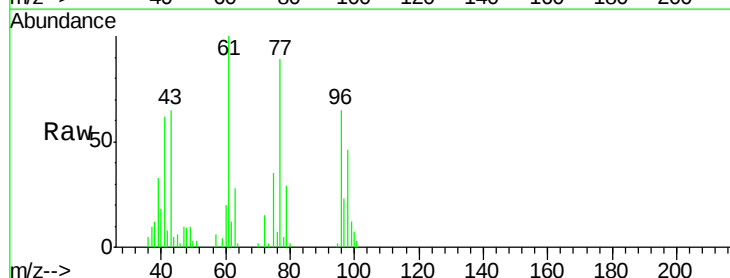
Manual Integrations
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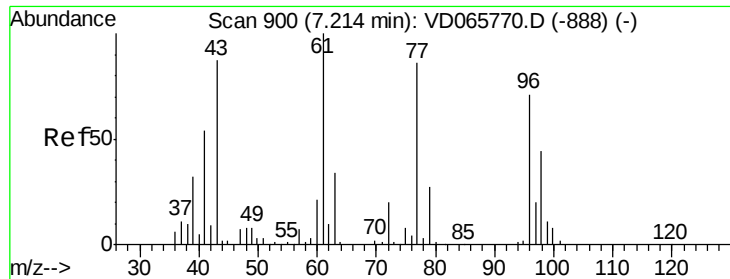
MMDadoda
6/5/2020 4:12:40 PM



#26
2,2-Dichloropropane
Concen: 9.84 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD065768.D
Acq: 05 Jun 2020 10:57

Tgt Ion: 77 Resp: 36007
Ion Ratio Lower Upper
77 100
97 22.0 10.9 32.7





#27

cis-1,2-Dichloroethene

Concen: 9.68 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065768.D

Acq: 05 Jun 2020 10:57

Instrument :

MSVOA_D

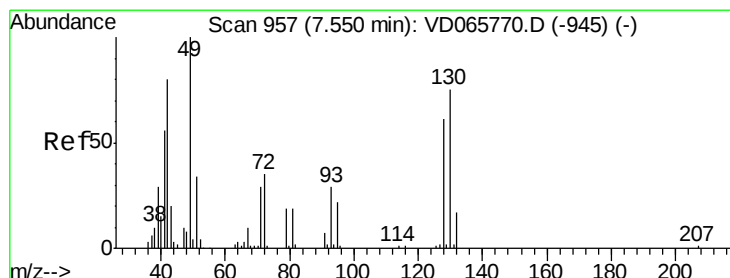
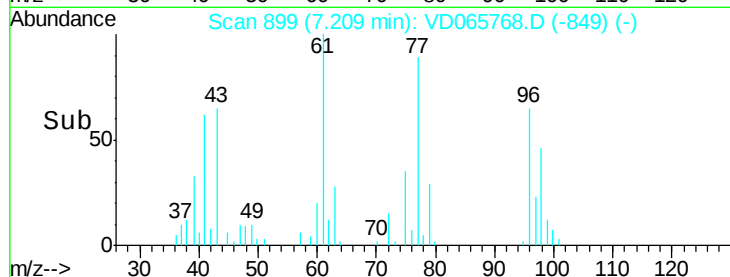
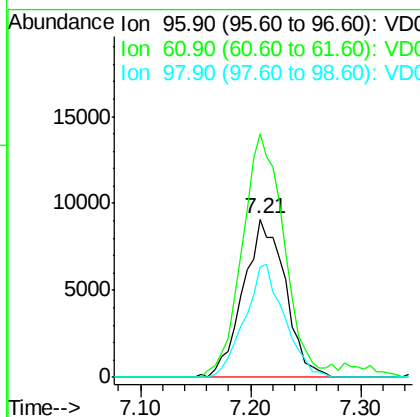
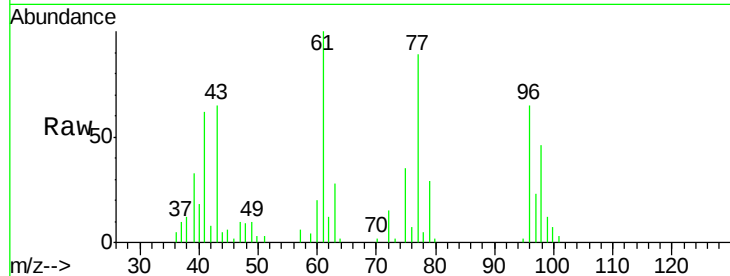
ClientSampleId :

VSTDIC010

Tgt Ion:	96	Resp:	24322
Ion	Ratio	Lower	Upper
96	100		
61	152.8	0.0	291.2
98	67.0	0.0	128.8

Manual Integrations
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6/5/2020 4:12:40 PM



#28

Bromochloromethane

Concen: 9.65 ug/l

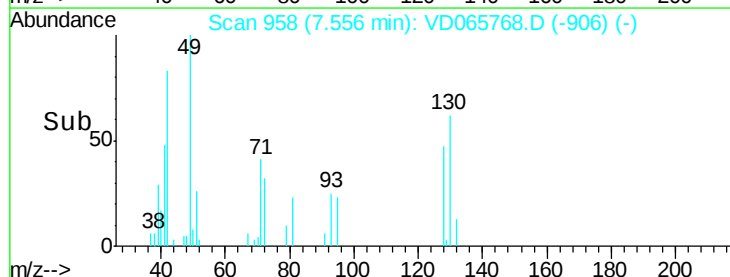
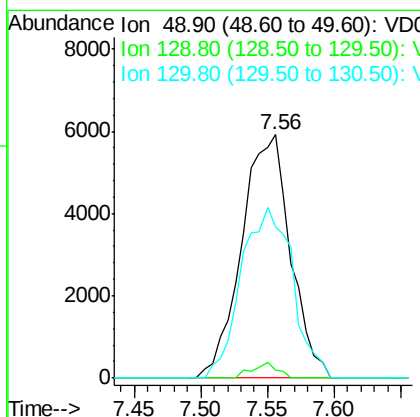
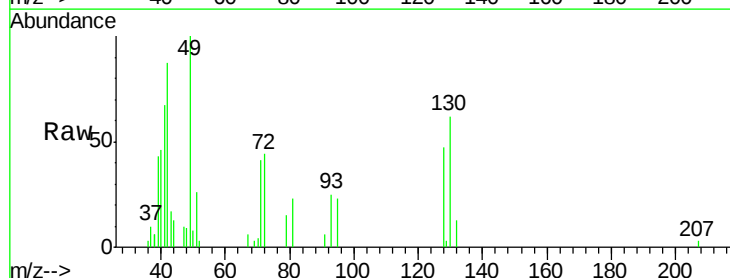
RT: 7.56 min Scan# 958

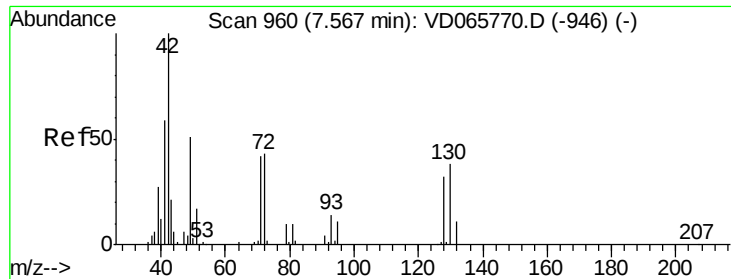
Delta R.T. 0.01 min

Lab File: VD065768.D

Acq: 05 Jun 2020 10:57

Tgt Ion:	49	Resp:	14984
Ion	Ratio	Lower	Upper
49	100		
129	3.3	0.0	4.6
130	73.9	59.5	89.3





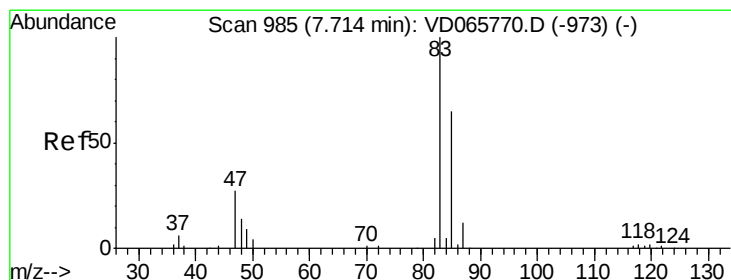
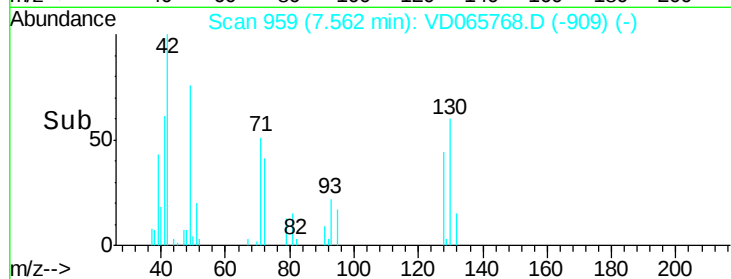
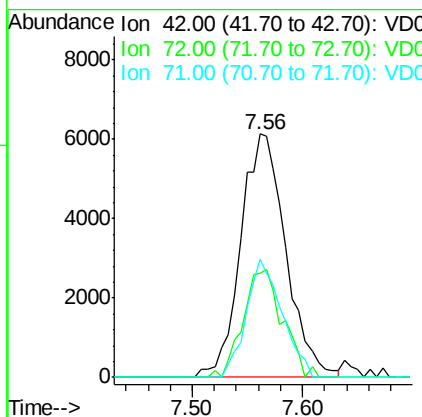
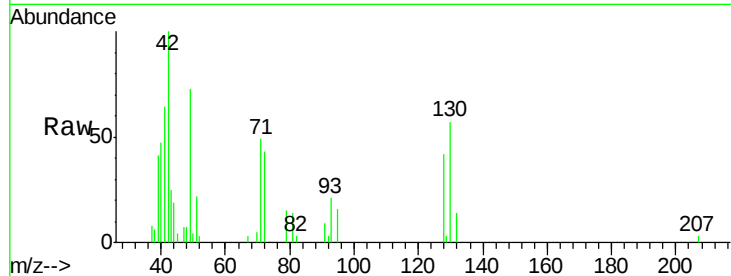
#29
Tetrahydrofuran
Concen: 49.63 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.01 min
Lab File: VD065768.D
Acq: 05 Jun 2020 10:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Lower	Upper
42	100		
72	38.9	34.9	52.3
71	38.6	31.2	46.8

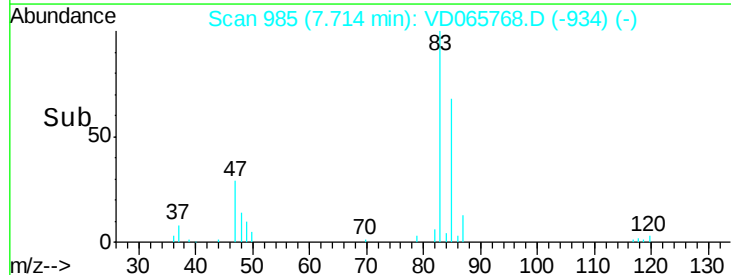
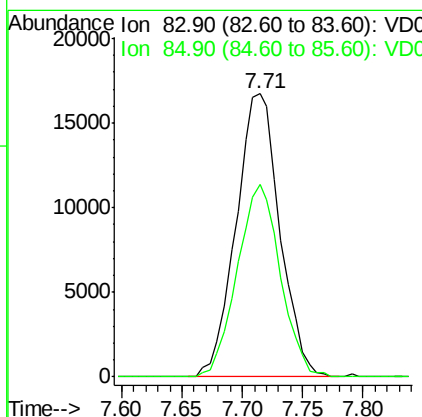
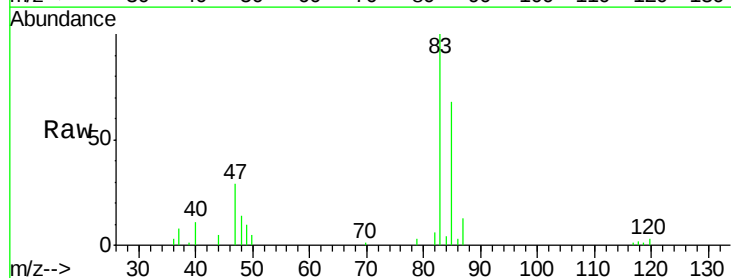
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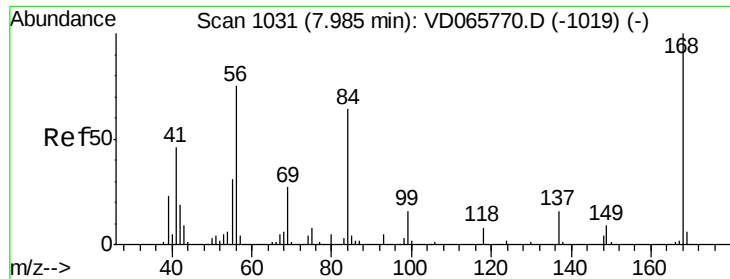
MMDadoda
6/5/2020 4:12:40 PM



#30
Chloroform
Concen: 9.90 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065768.D
Acq: 05 Jun 2020 10:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.8	51.9	77.9





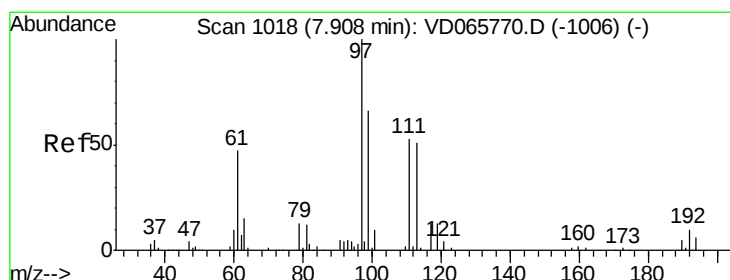
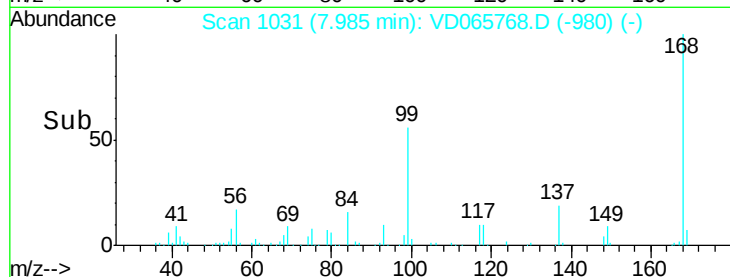
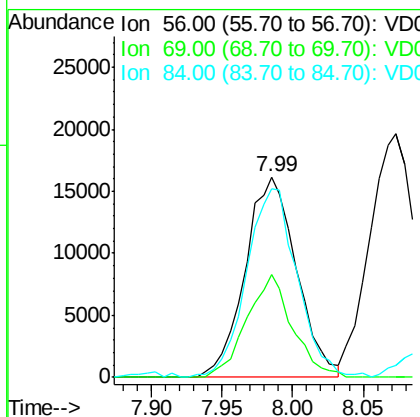
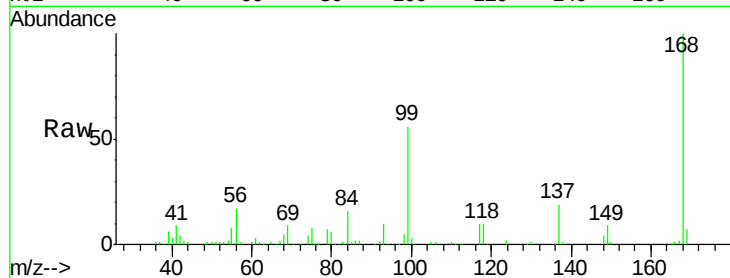
#31
Cyclohexane
Concen: 10.13 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065768.D
Acq: 05 Jun 2020 10:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion: 56 Resp: 41062
Ion Ratio Lower Upper
56 100
69 51.6 28.5 42.7#
84 94.4 68.4 102.6

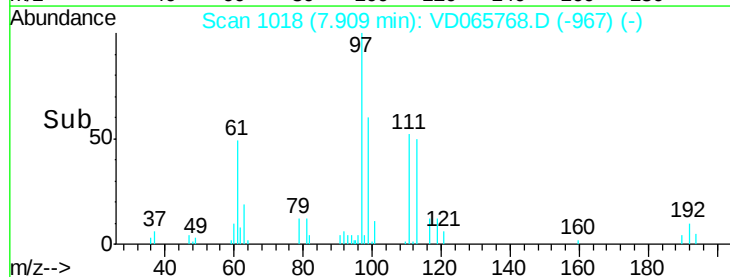
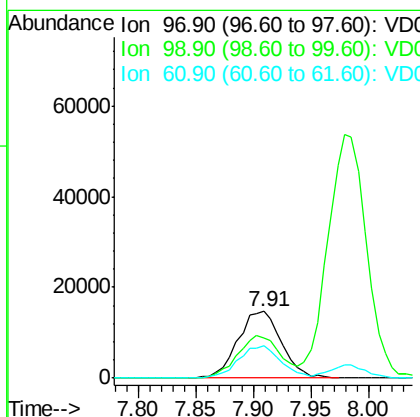
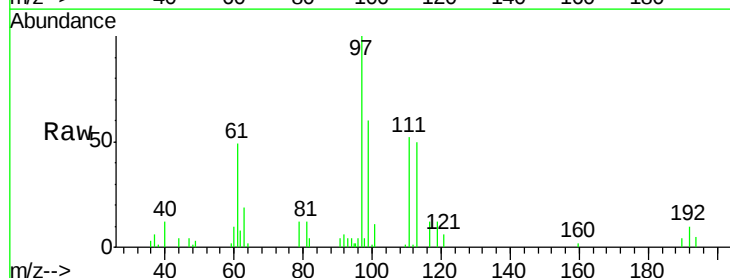
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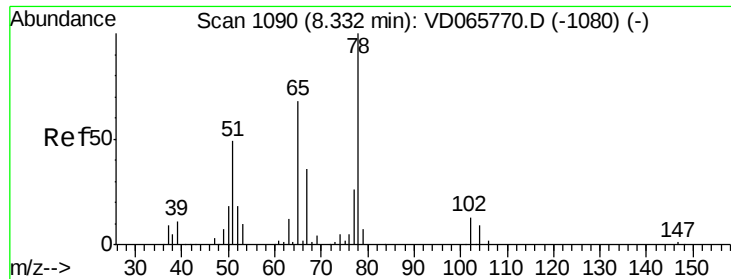
MMDadoda
6/5/2020 4:12:40 PM



#32
1,1,1-Trichloroethane
Concen: 9.83 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD065768.D
Acq: 05 Jun 2020 10:57

Tgt Ion: 97 Resp: 38588
Ion Ratio Lower Upper
97 100
99 63.5 49.2 73.8
61 47.2 36.0 54.0





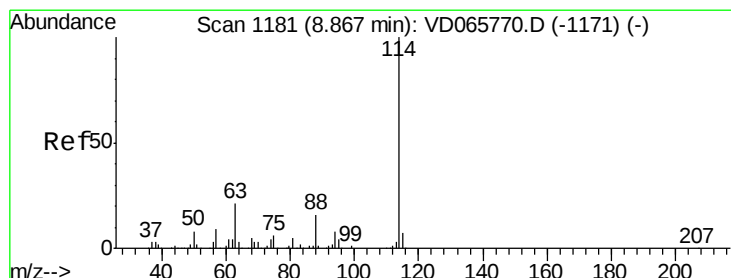
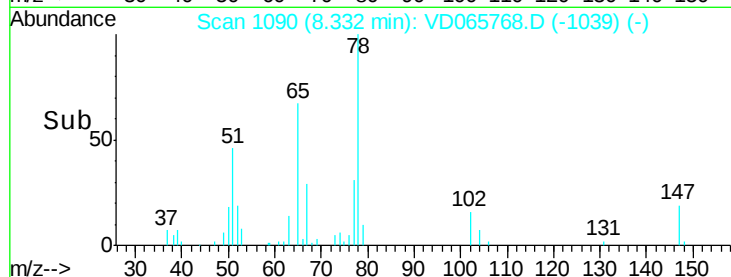
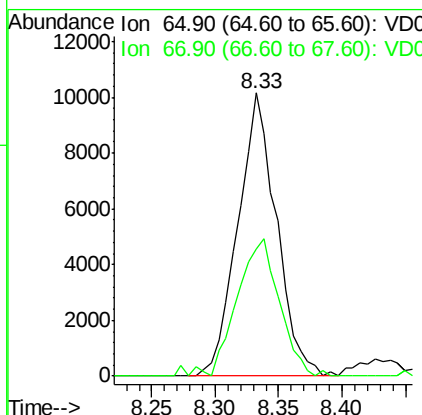
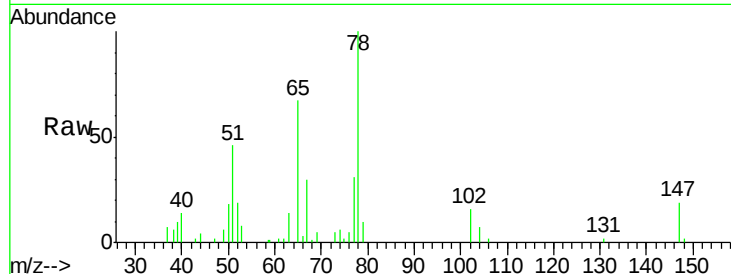
#33
 1,2-Dichloroethane-d4
 Concen: 9.95 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD065768.D
 Acq: 05 Jun 2020 10:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	21458		
67	52.6	0.0	103.6	

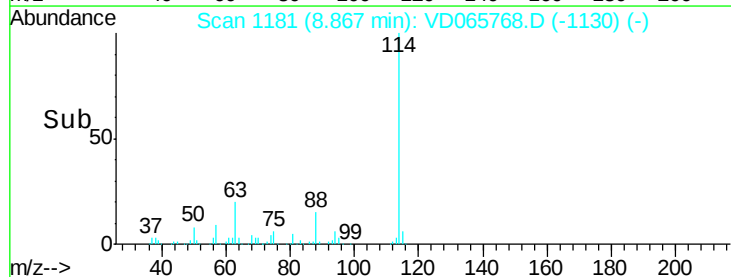
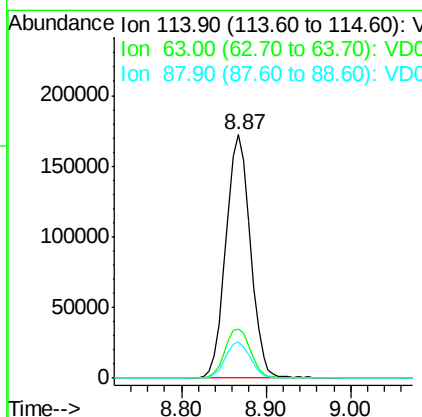
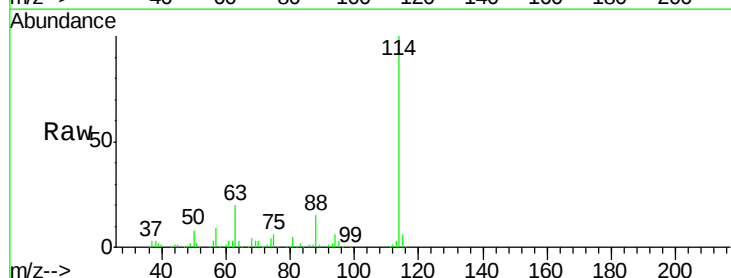
Manual Integrations
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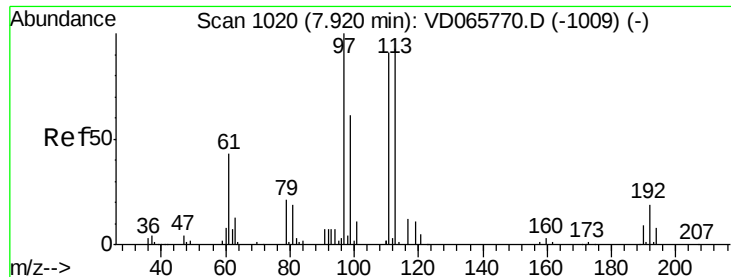
MMDadoda
 6/5/2020 4:12:40 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065768.D
 Acq: 05 Jun 2020 10:57

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	344778		
63	20.3	0.0	41.8	
88	15.0	0.0	32.0	





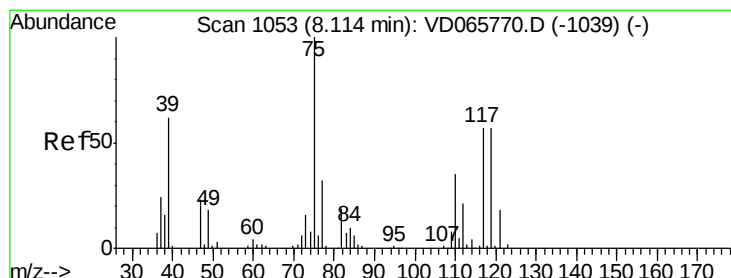
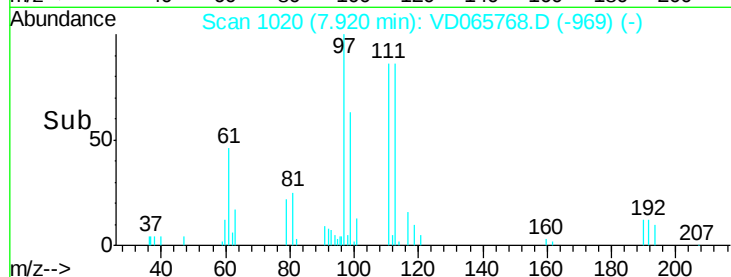
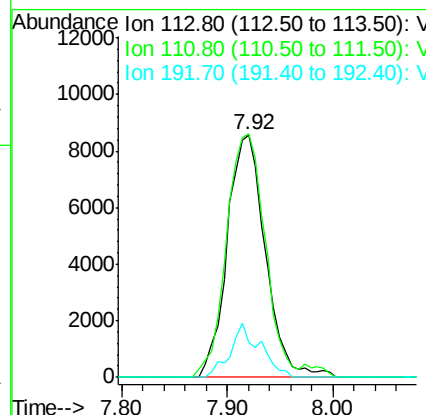
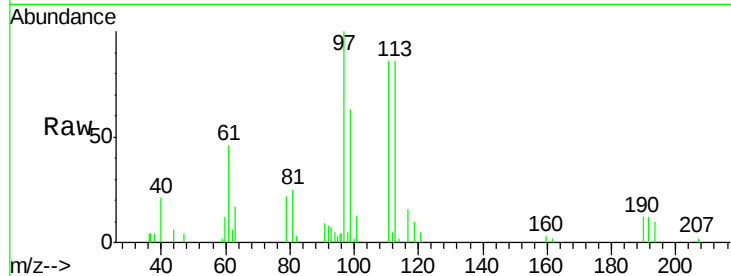
#35
Dibromofluoromethane
Concen: 9.82 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD065768.D
Acq: 05 Jun 2020 10:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.2	83.4	125.0
192	17.4	15.7	23.5

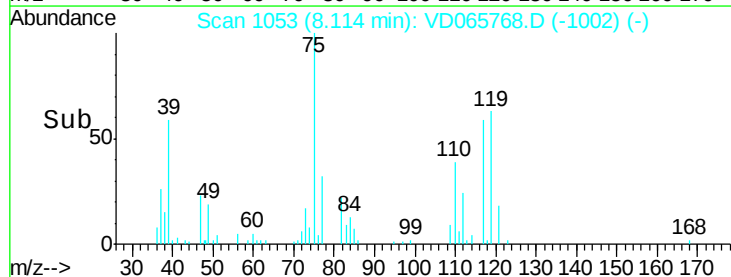
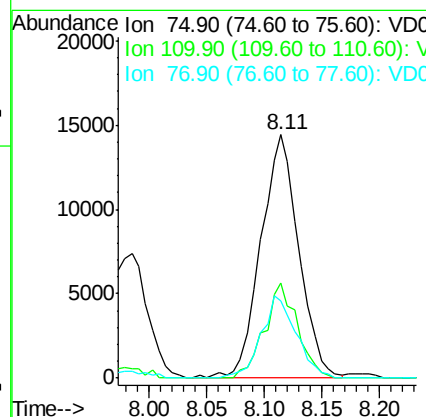
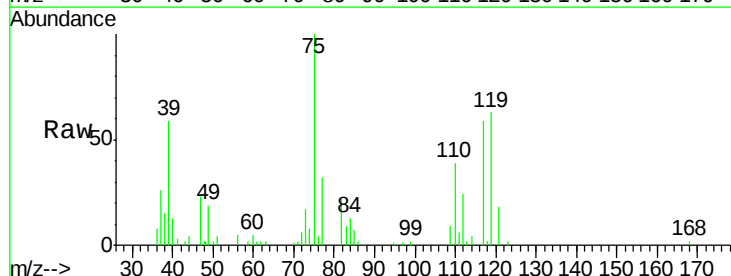
Manual Integrations
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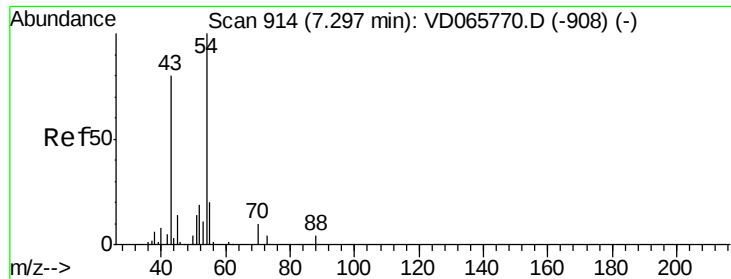
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#36
1,1-Dichloropropene
Concen: 9.77 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VD065768.D
Acq: 05 Jun 2020 10:57

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.1	17.6	52.8
77	31.1	25.1	37.7





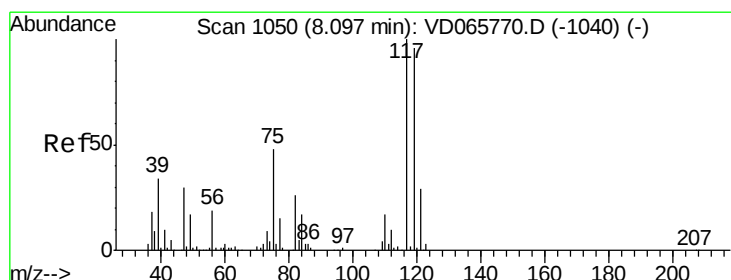
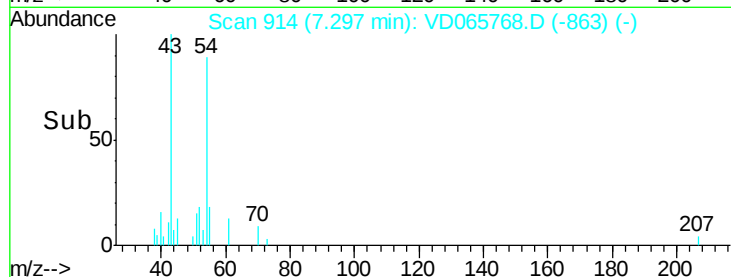
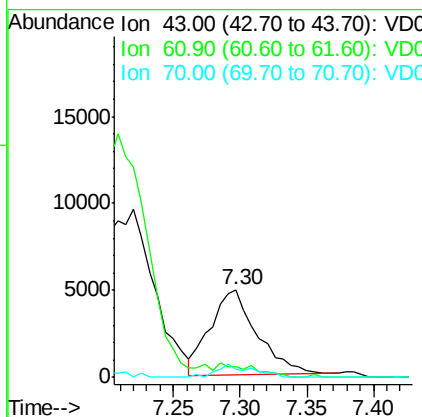
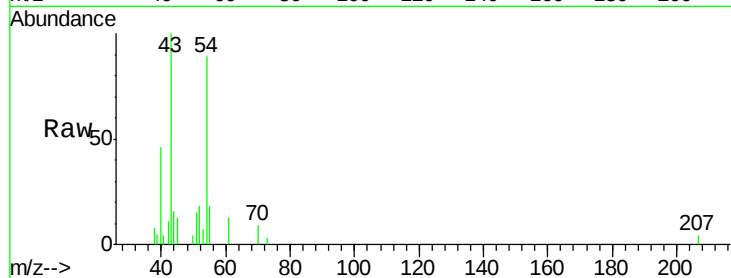
#37
Ethyl Acetate
Concen: 9.09 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD065768.D
Acq: 05 Jun 2020 10:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Lower	Upper
43	100		
61	12.5	10.6	15.8
70	11.5	7.5	11.3

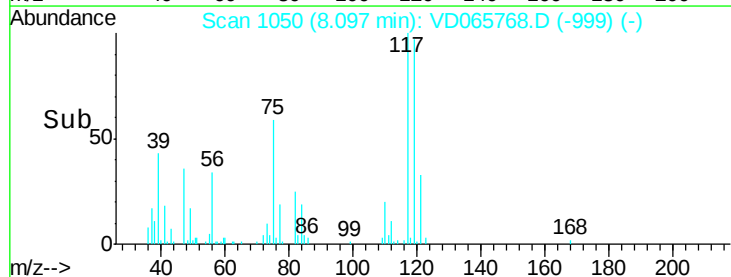
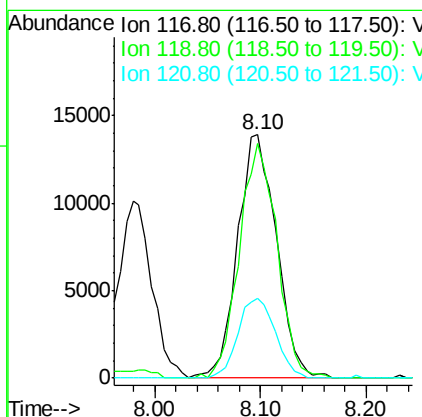
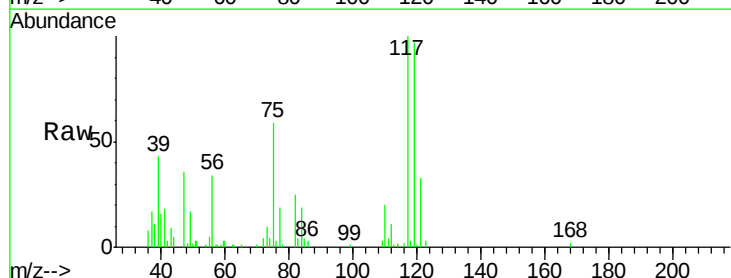
Manual Integrations
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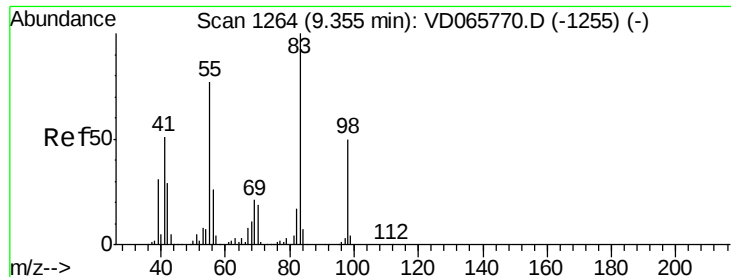
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#38
Carbon Tetrachloride
Concen: 9.97 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD065768.D
Acq: 05 Jun 2020 10:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.6	76.8	115.2
121	32.8	23.4	35.2





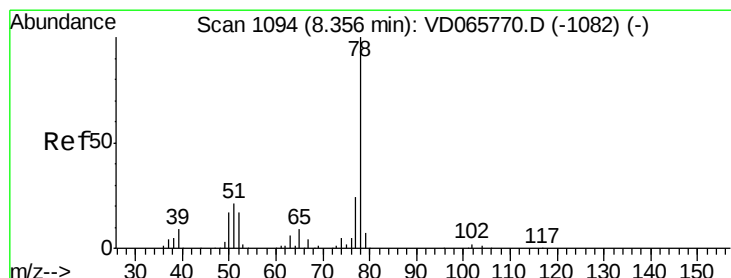
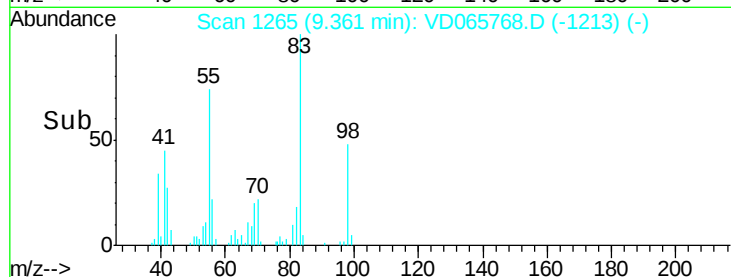
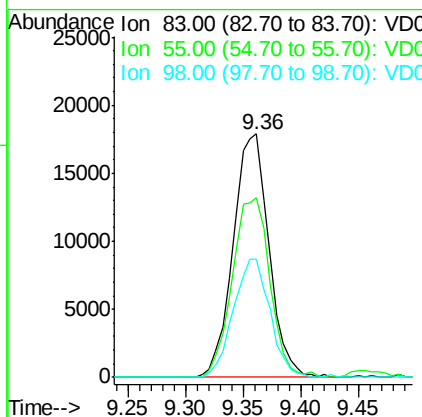
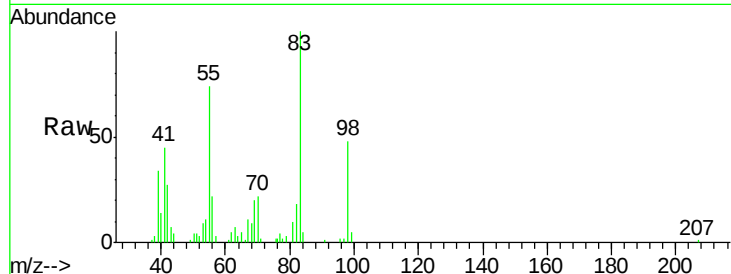
#39
Methylcyclohexane
Concen: 9.77 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD065768.D
Acq: 05 Jun 2020 10:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	38442		
55	73.7	61.6	92.4	
98	48.5	40.2	60.2	

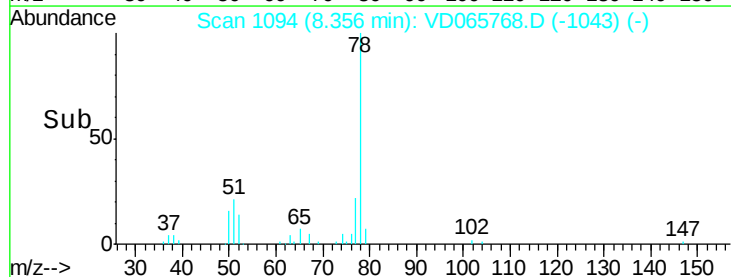
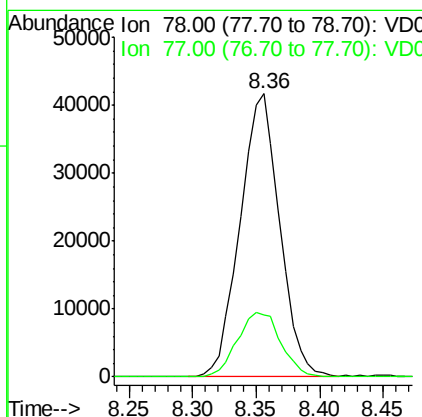
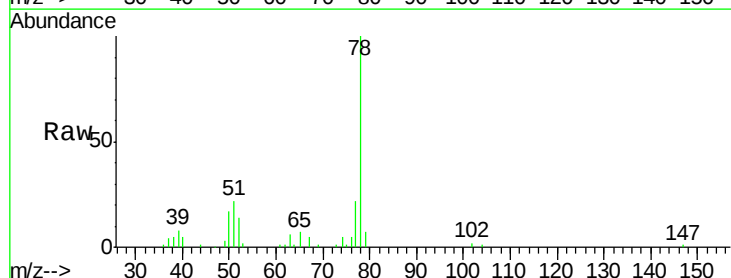
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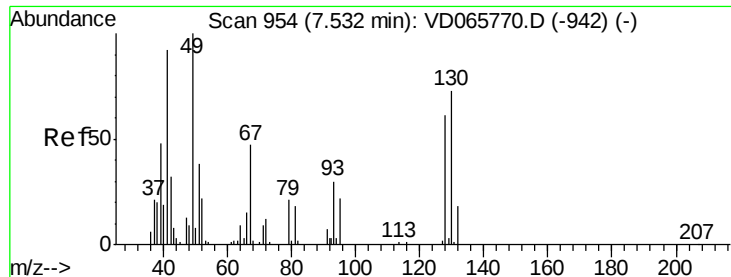
MMDadoda
6/5/2020 4:12:40 PM



#40
Benzene
Concen: 9.91 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065768.D
Acq: 05 Jun 2020 10:57

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	90737		
77	21.8	19.2	28.8	





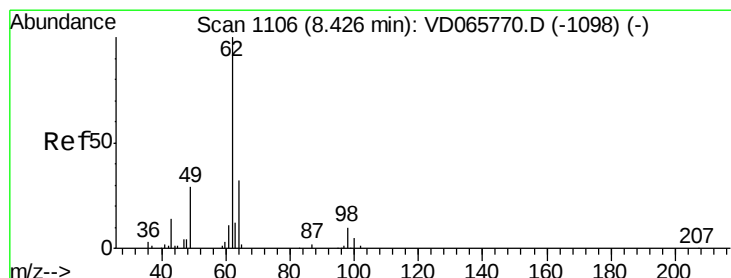
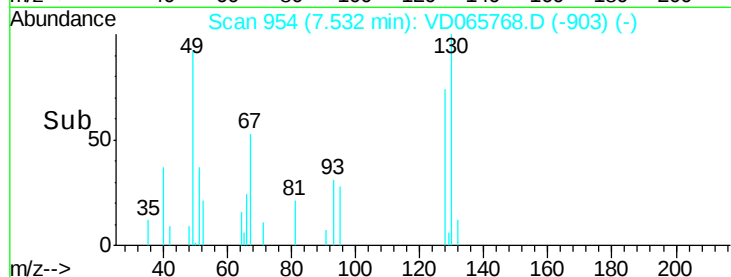
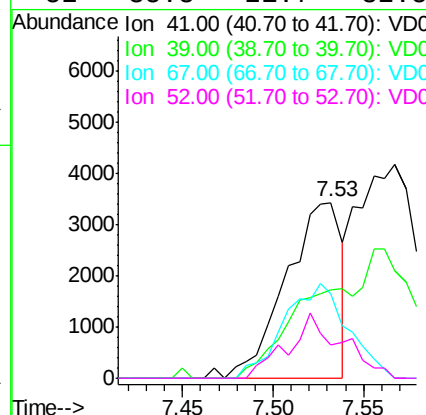
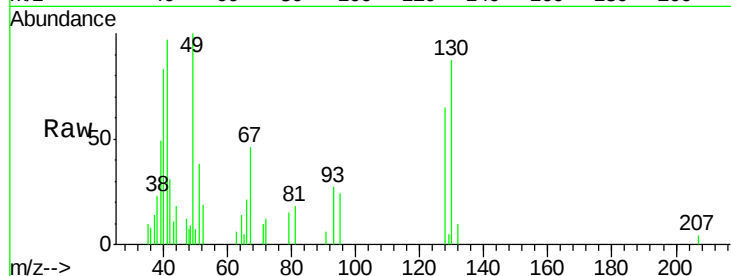
#41
Methacrylonitrile
Concen: 9.02 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.00 min
Lab File: VD065768.D
Acq: 05 Jun 2020 10:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Lower	Upper
41	100		
39	0.0	38.3	57.5#
67	61.3	49.8	74.6
52	35.8	21.7	32.5#

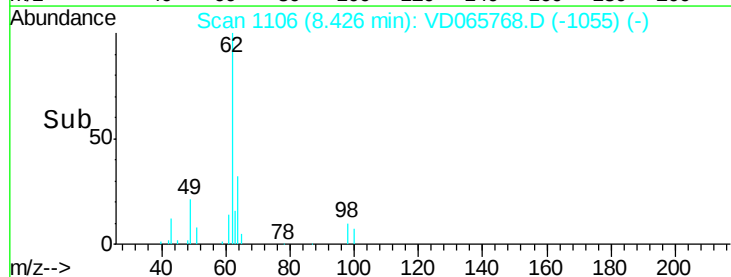
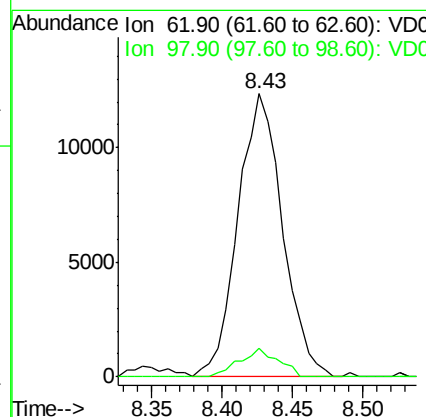
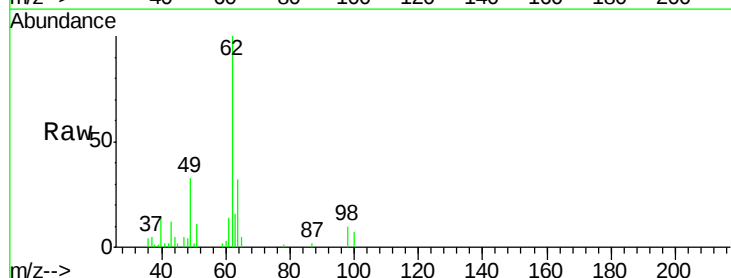
Manual Integrations
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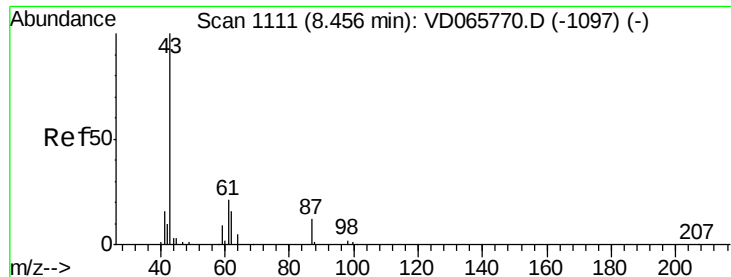
MMDadoda
6/5/2020 4:12:40 PM



#42
1,2-Dichloroethane
Concen: 9.74 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD065768.D
Acq: 05 Jun 2020 10:57

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	18.6





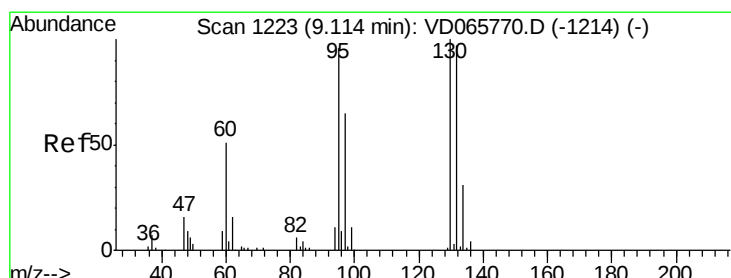
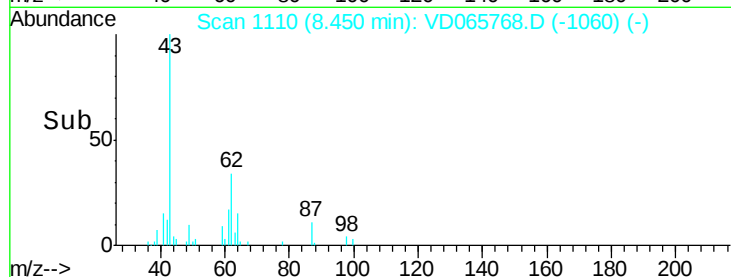
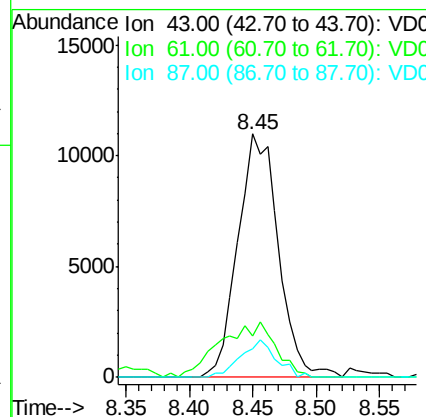
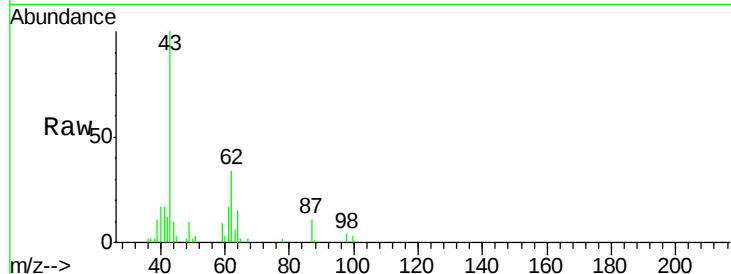
#43
Isopropyl Acetate
Concen: 9.45 ug/l
RT: 8.45 min Scan# 1110
Delta R.T. -0.01 min
Lab File: VD065768.D
Acq: 05 Jun 2020 10:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Lower	Upper
43	100		
61	31.0	24.2	36.4
87	13.3	9.5	14.3

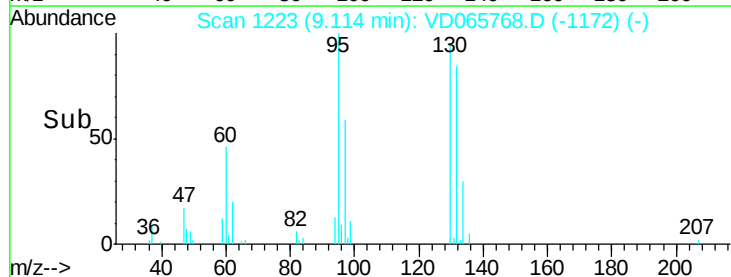
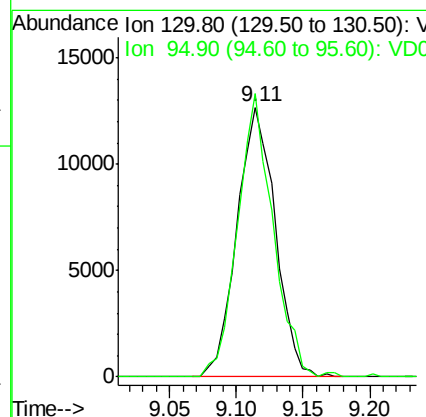
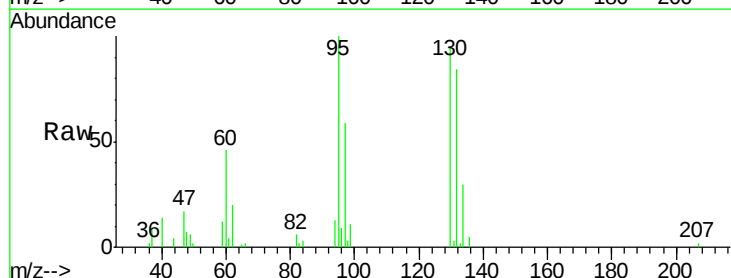
Manual Integrations
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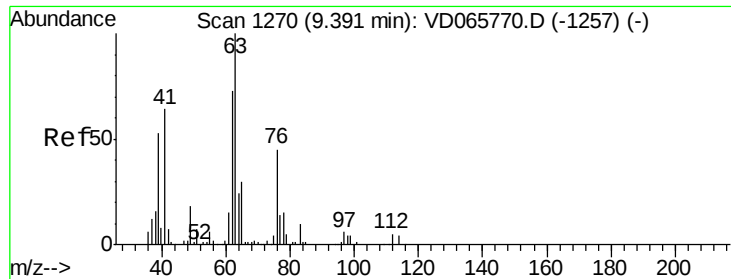
MMDadoda
6/5/2020 4:12:40 PM



#44
Trichloroethene
Concen: 9.92 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD065768.D
Acq: 05 Jun 2020 10:57

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.9	0.0	192.8





#45

1,2-Dichloropropane

Concen: 9.96 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD065768.D

Acq: 05 Jun 2020 10:57

Instrument :

MSVOA_D

ClientSampled :

VSTDIC010

Tgt Ion: 63 Resp: 23054

Ion Ratio Lower Upper

63 100

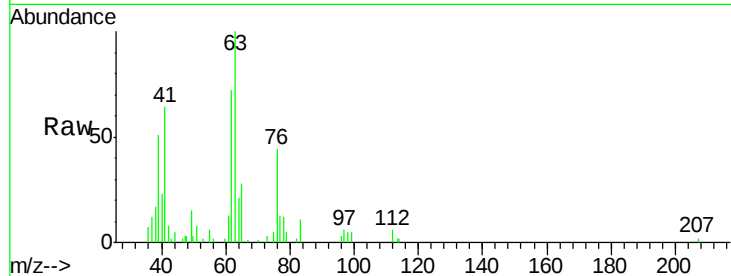
65 27.7 24.2 36.2

Manual Integrations

APPROVED

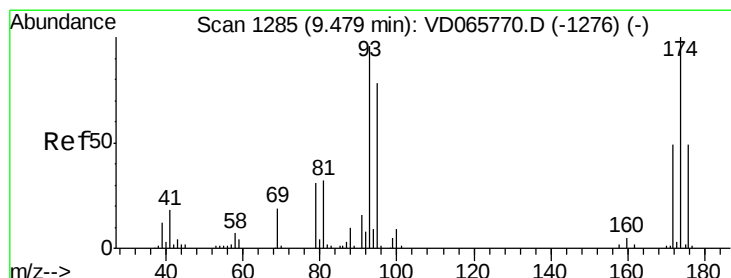
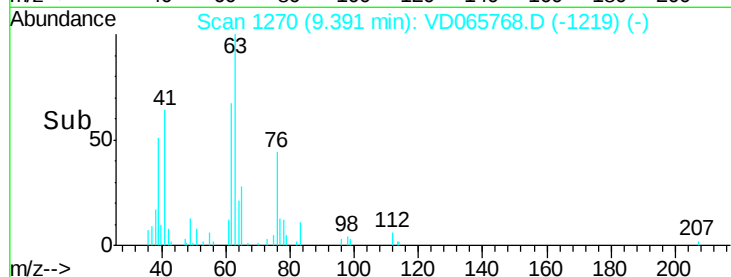
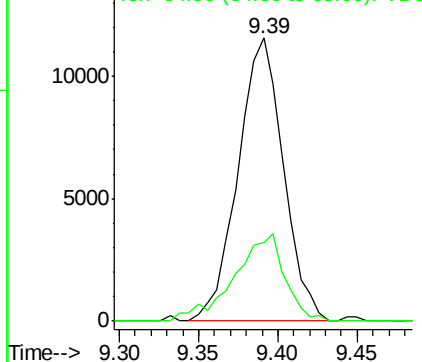
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 9.95 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.01 min

Lab File: VD065768.D

Acq: 05 Jun 2020 10:57

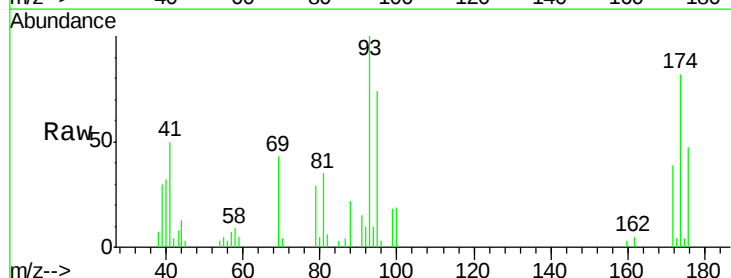
Tgt Ion: 93 Resp: 12420

Ion Ratio Lower Upper

93 100

95 79.8 65.8 98.6

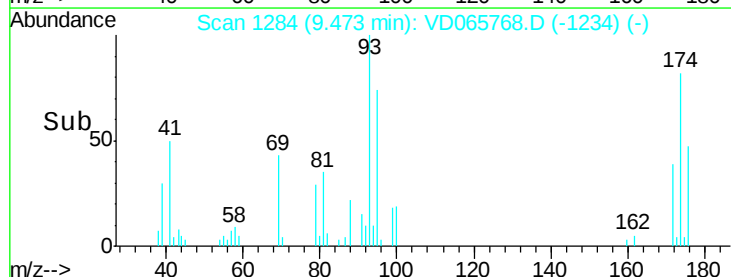
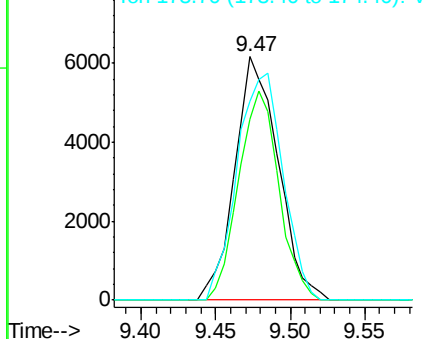
174 99.1 80.9 121.3

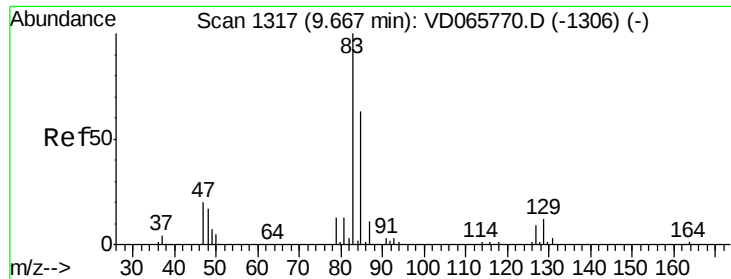


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): VDC





#47

Bromodichloromethane

Concen: 9.76 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD065768.D

Acq: 05 Jun 2020 10:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tgt Ion: 83 Resp: 32827

Ion Ratio Lower Upper

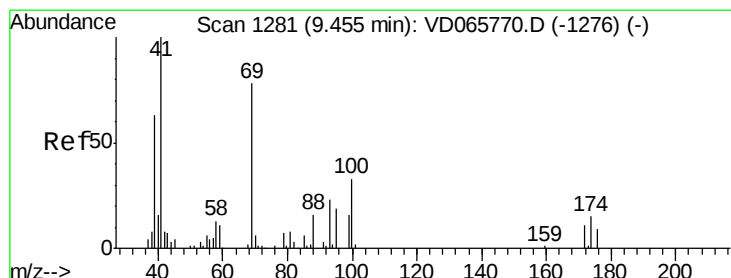
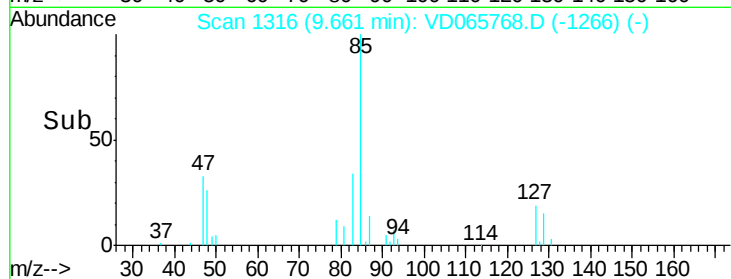
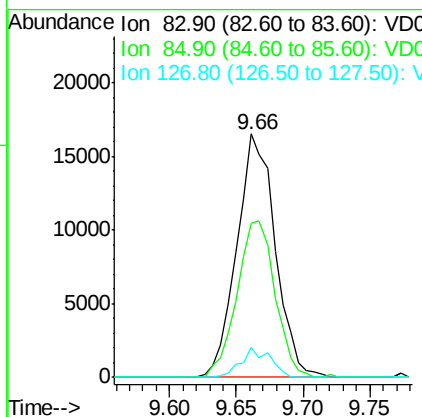
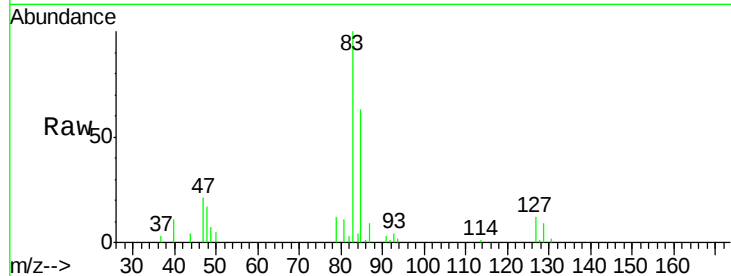
83 100

85 63.3 50.7 76.1

127 12.1 7.1 10.7#

Manual Integrations
APPROVED

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#48

Methyl methacrylate

Concen: 10.03 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.01 min

Lab File: VD065768.D

Acq: 05 Jun 2020 10:57

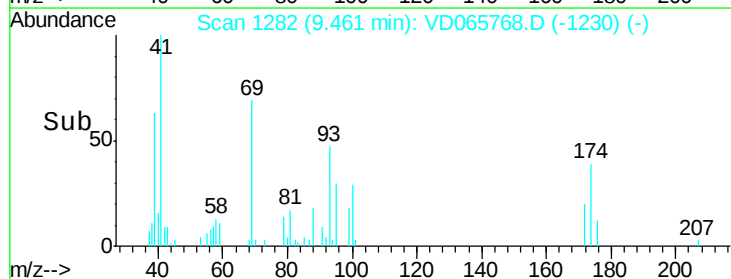
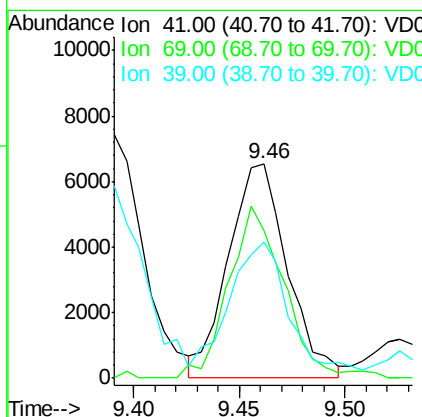
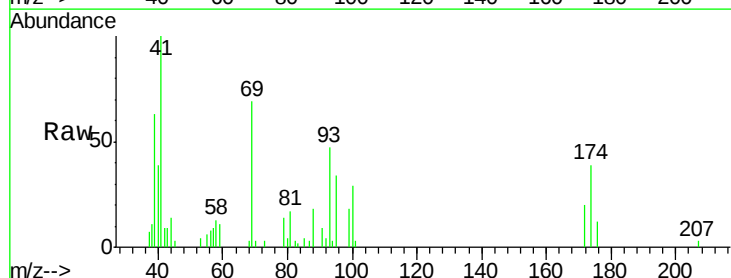
Tgt Ion: 41 Resp: 12692

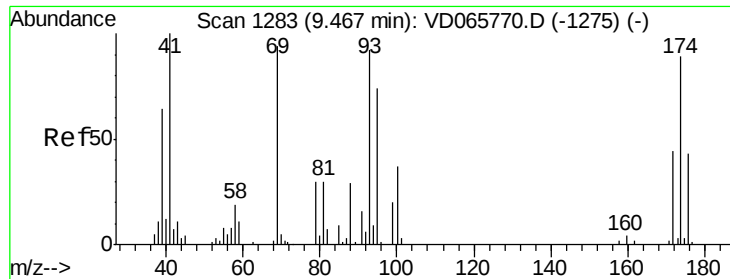
Ion Ratio Lower Upper

41 100

69 75.3 60.9 91.3

39 59.2 48.1 72.1





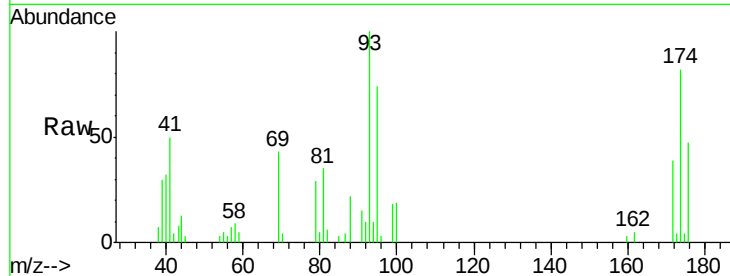
#49
1,4-Dioxane
Concen: 198.26 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD065768.D
Acq: 05 Jun 2020 10:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Lower	Upper
88	100		
43	42.1	32.2	48.4
58	61.6	54.9	82.3

Manual Integrations
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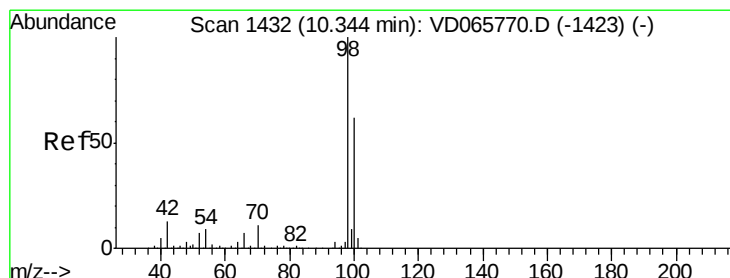
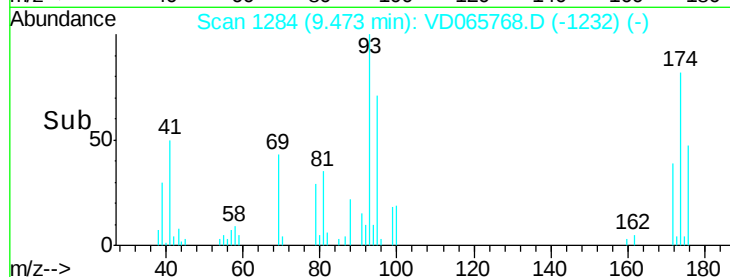
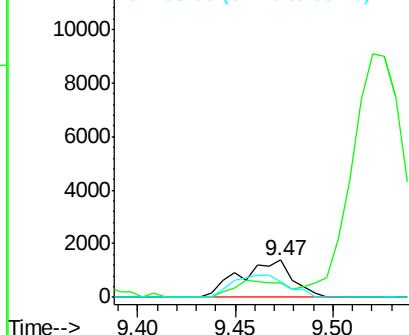


Abundance

Ion 88.00 (87.70 to 88.70): VDC

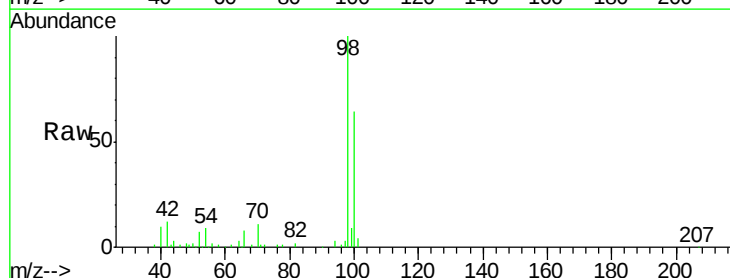
Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50
Toluene-d8
Concen: 9.73 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VD065768.D
Acq: 05 Jun 2020 10:57

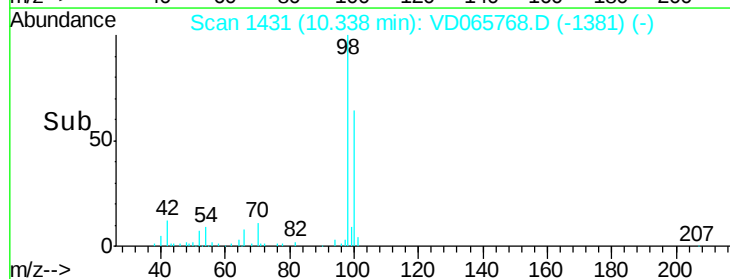
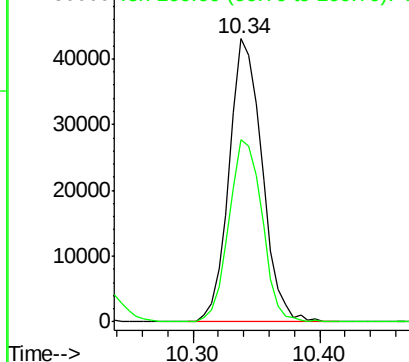
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.4	77.2



Abundance

Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





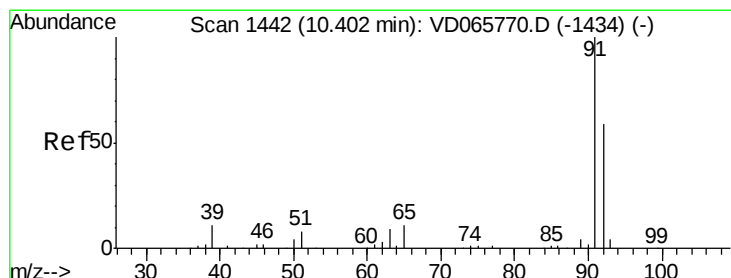
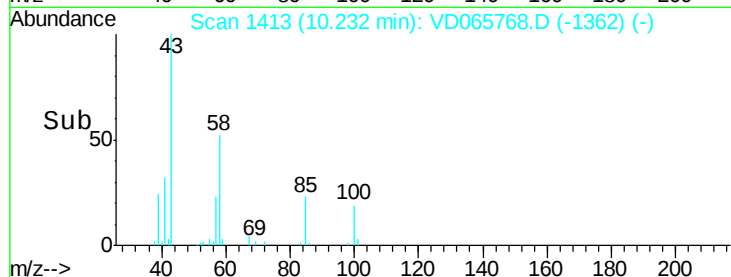
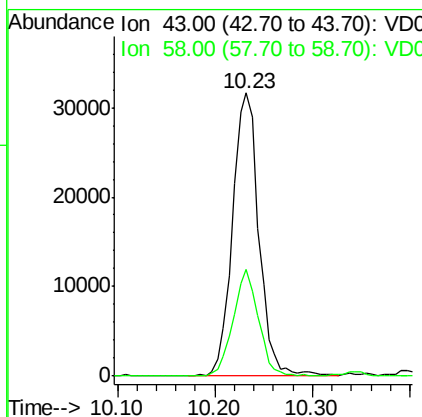
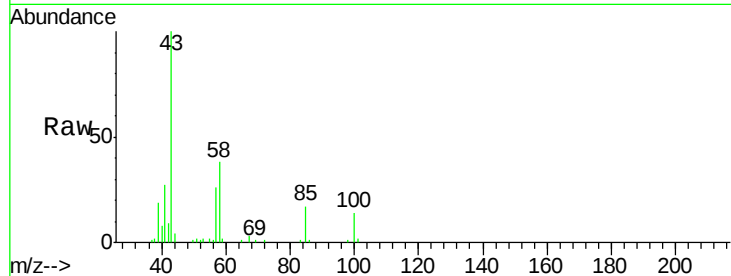
#51
4-Methyl-2-Pentanone
Concen: 47.12 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD065768.D
Acq: 05 Jun 2020 10:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion: 43 Resp: 59410
Ion Ratio Lower Upper
43 100
58 35.9 30.7 46.1

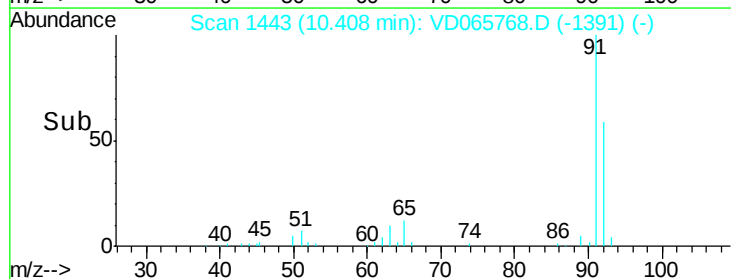
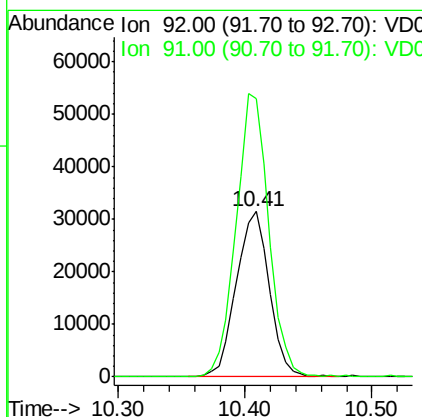
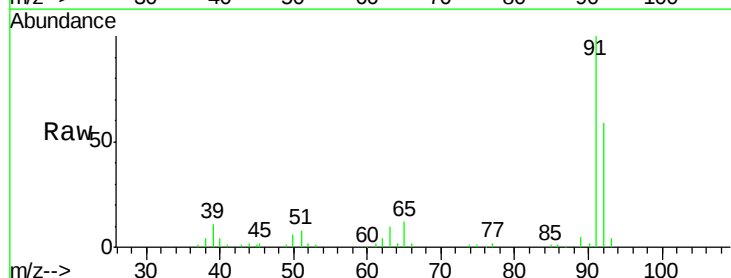
Manual Integrations
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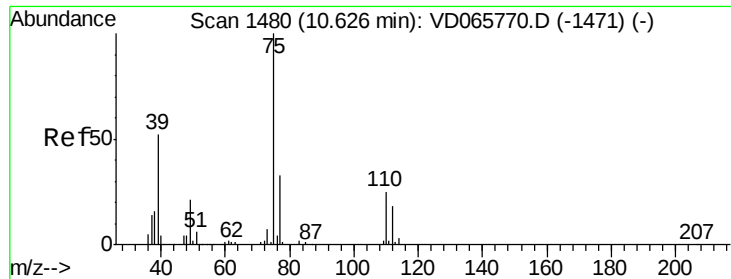
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#52
Toluene
Concen: 9.69 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.01 min
Lab File: VD065768.D
Acq: 05 Jun 2020 10:57

Tgt Ion: 92 Resp: 56844
Ion Ratio Lower Upper
92 100
91 169.3 137.8 206.8





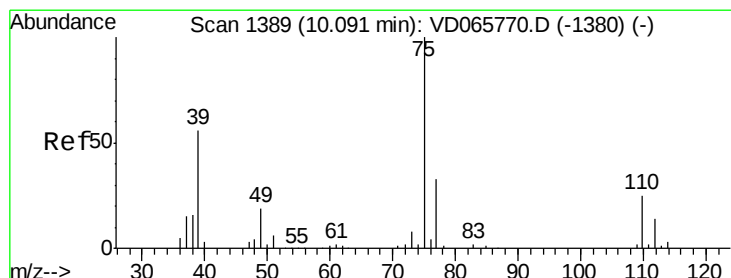
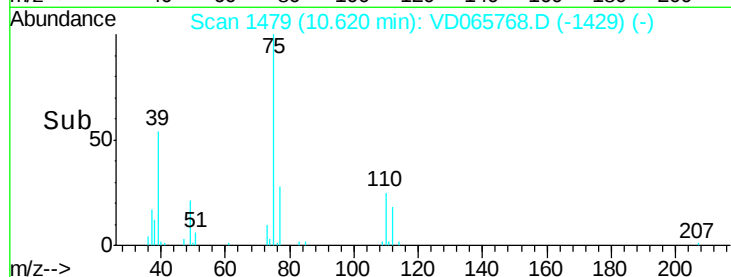
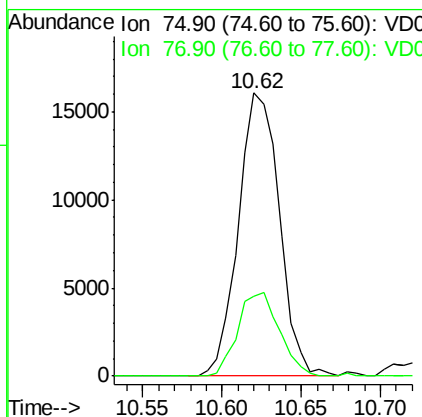
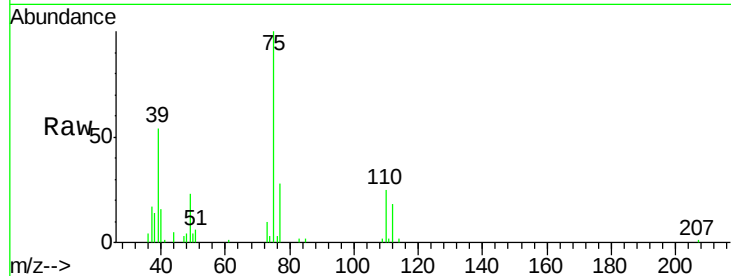
#53
t-1,3-Dichloropropene
Concen: 9.75 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. -0.01 min
Lab File: VD065768.D
Acq: 05 Jun 2020 10:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion: 75 Resp: 28889
Ion Ratio Lower Upper
75 100
77 28.1 26.4 39.6

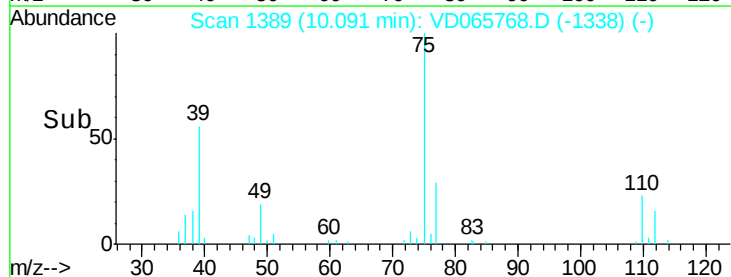
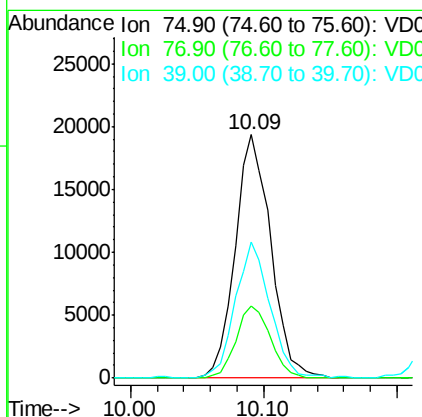
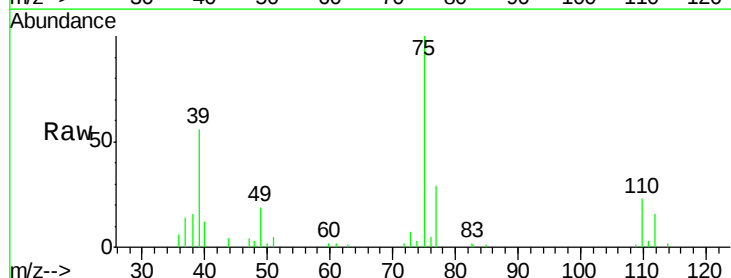
Manual Integrations
APPROVED

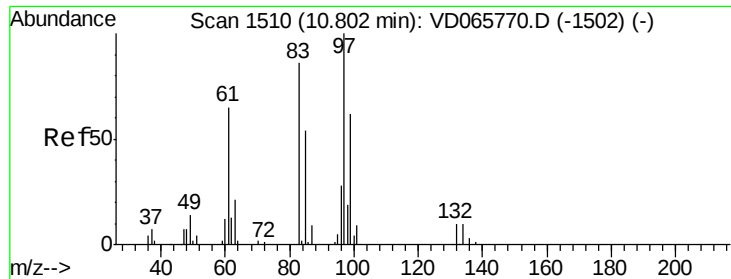
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#54
cis-1,3-Dichloropropene
Concen: 10.18 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD065768.D
Acq: 05 Jun 2020 10:57

Tgt Ion: 75 Resp: 35734
Ion Ratio Lower Upper
75 100
77 29.4 26.0 39.0
39 56.0 45.0 67.6





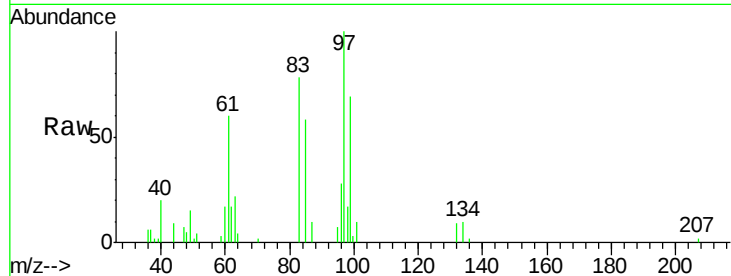
#55
 1,1,2-Trichloroethane
 Concen: 9.82 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD065768.D
 Acq: 05 Jun 2020 10:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tgt Ion	Ratio	Lower	Upper
97	100		
83	78.3	68.7	103.1
85	57.8	43.0	64.6
99	69.5	49.8	74.6

Manual Integrations
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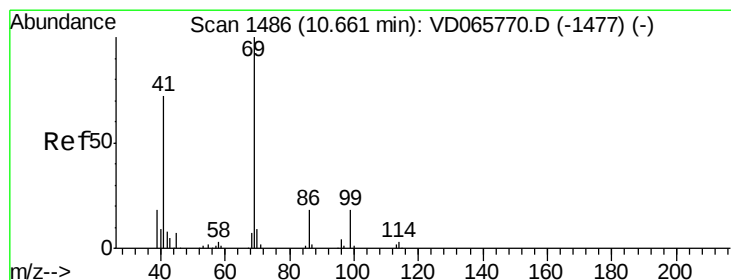
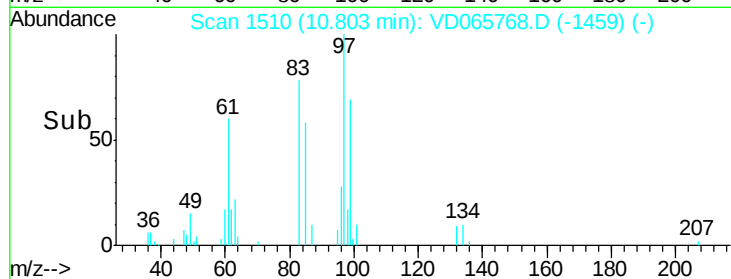
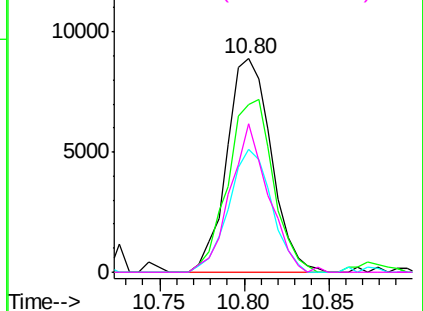


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

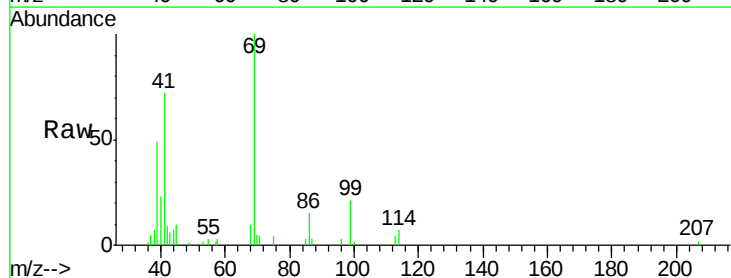
Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56
 Ethyl methacrylate
 Concen: 9.33 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD065768.D
 Acq: 05 Jun 2020 10:57

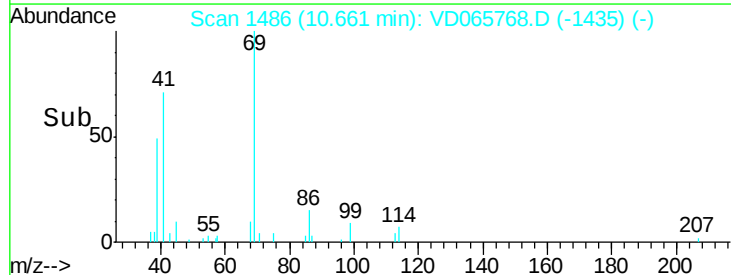
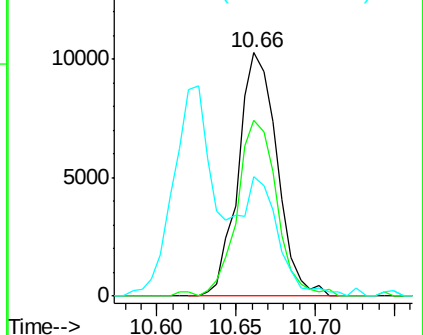
Tgt Ion	Ratio	Lower	Upper
69	100		
41	74.1	56.9	85.3
39	35.5	36.0	54.0#

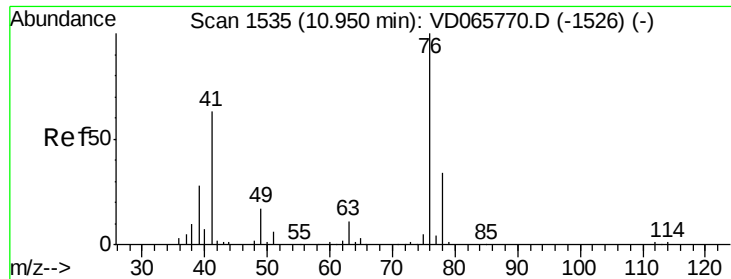


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 9.65 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD065768.D

Acq: 05 Jun 2020 10:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tgt Ion: 76 Resp: 27722

Ion Ratio Lower Upper

76 100

78 32.3

26.3

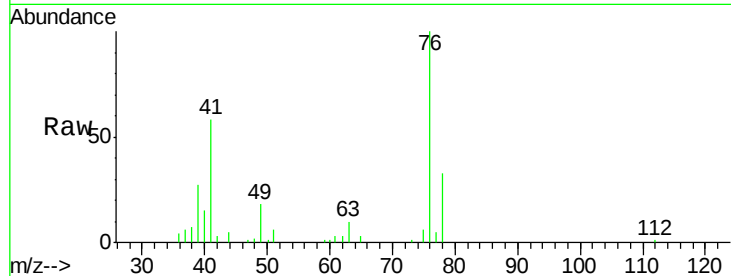
39.5

Manual Integrations

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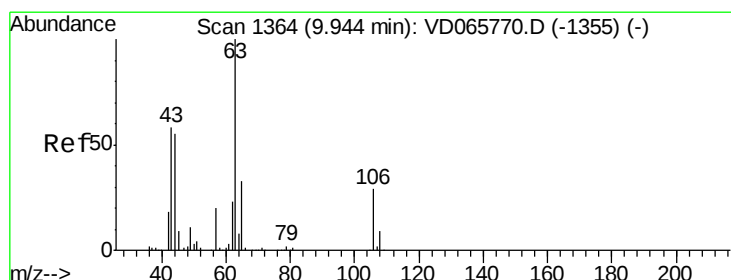
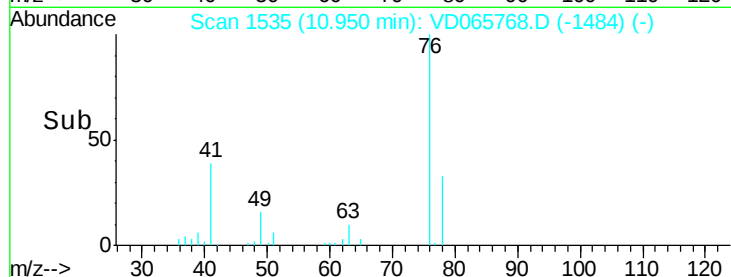
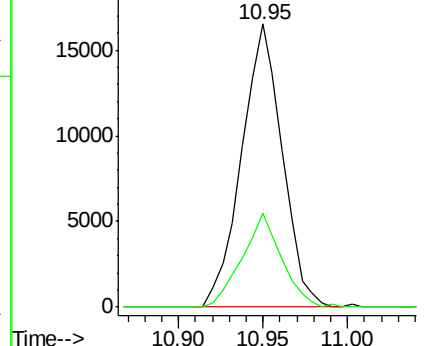
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 47.08 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD065768.D

Acq: 05 Jun 2020 10:57

Tgt Ion: 63 Resp: 41486

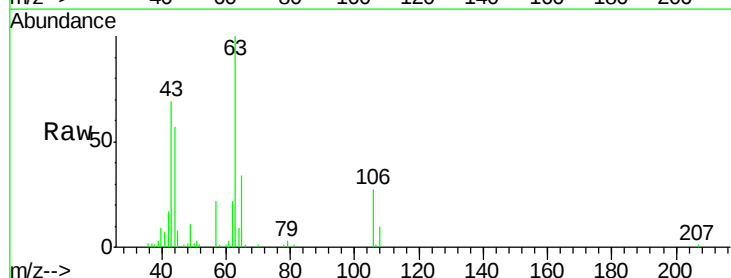
Ion Ratio Lower Upper

63 100

106 28.8

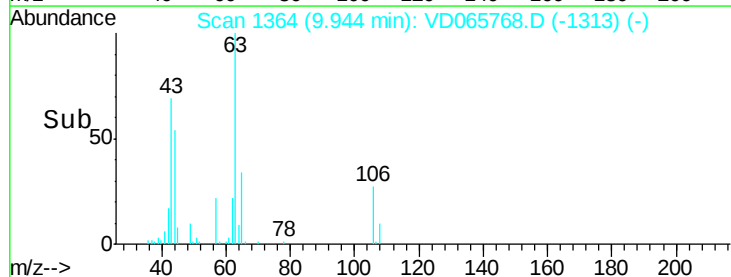
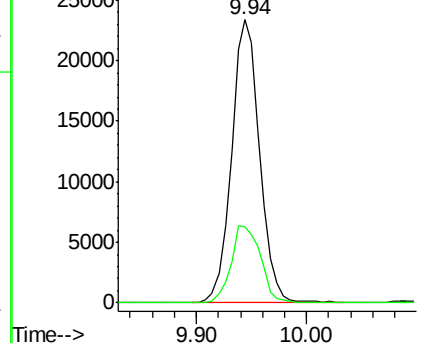
23.2

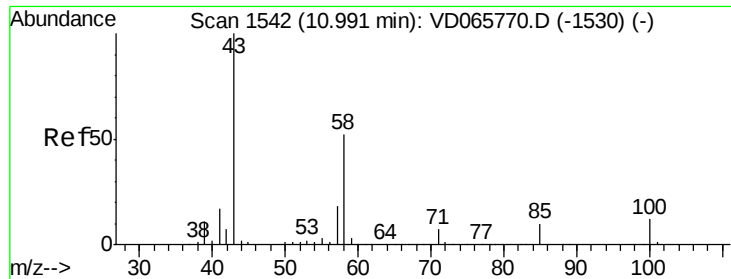
34.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V





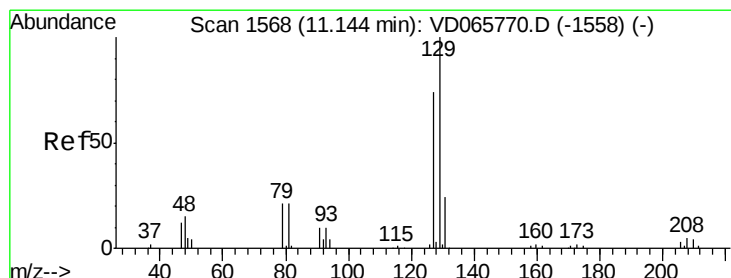
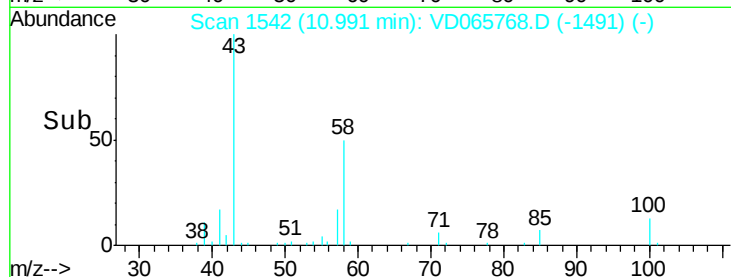
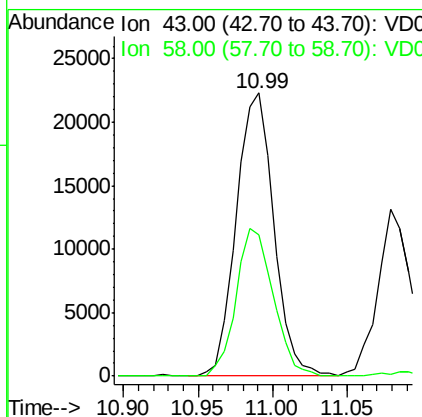
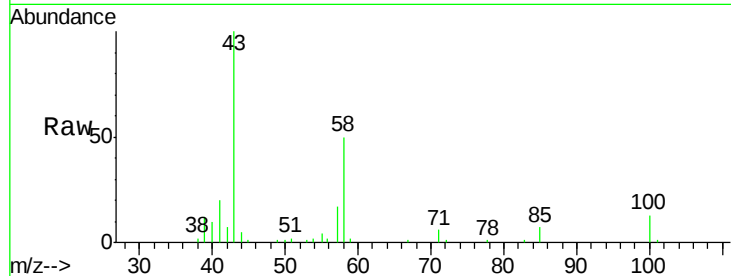
#59
2-Hexanone
Concen: 46.47 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065768.D
Acq: 05 Jun 2020 10:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion: 43 Resp: 39054
Ion Ratio Lower Upper
43 100
58 51.3 25.7 77.0

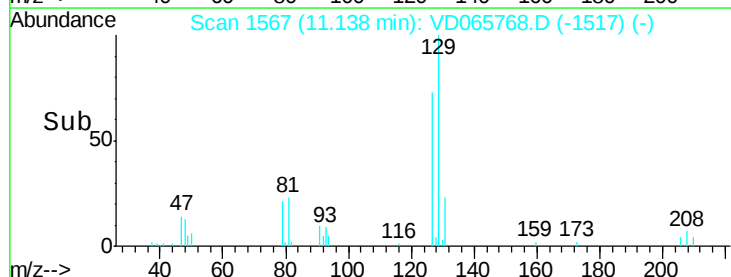
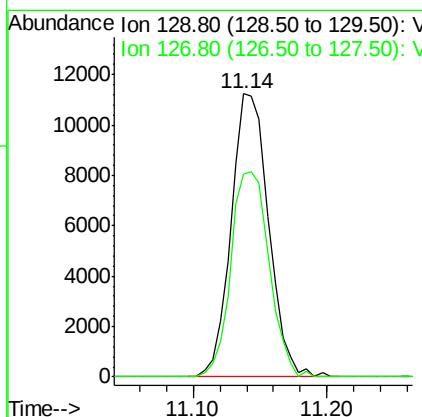
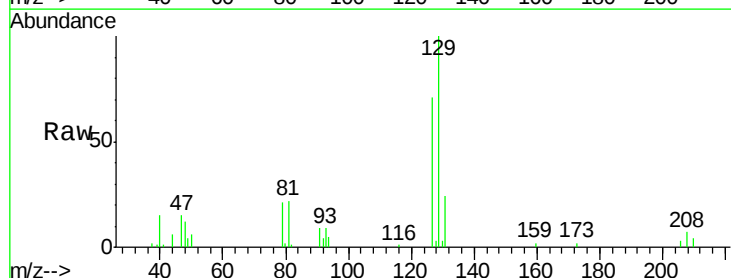
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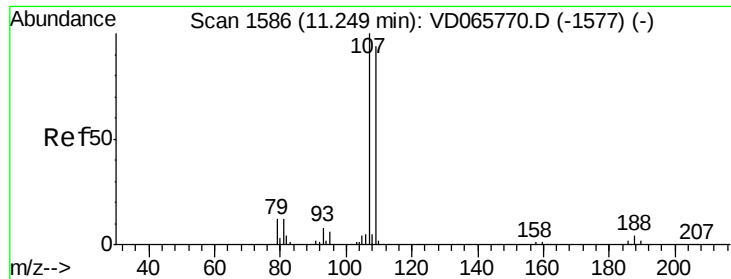
MMDadoda
6/5/2020 4:12:40 PM



#60
Dibromochloromethane
Concen: 9.79 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VD065768.D
Acq: 05 Jun 2020 10:57

Tgt Ion: 129 Resp: 21835
Ion Ratio Lower Upper
129 100
127 73.9 38.0 113.9





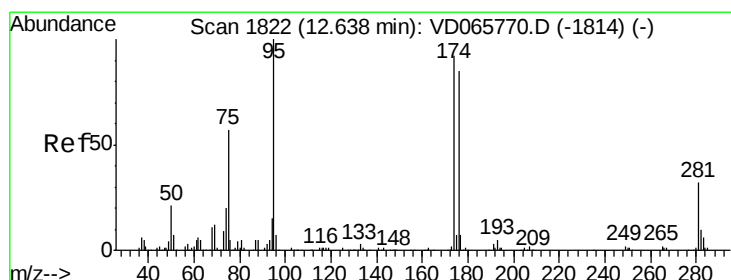
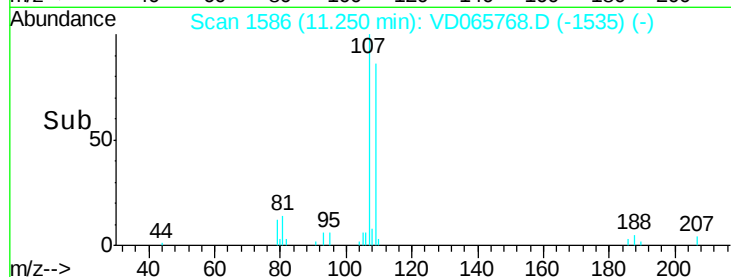
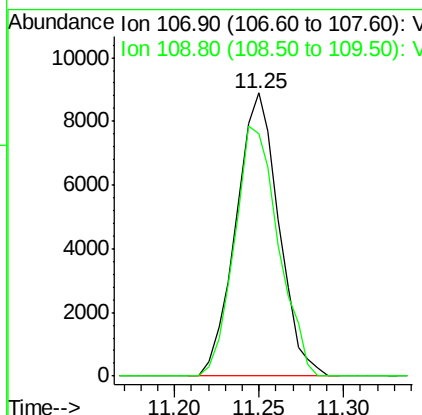
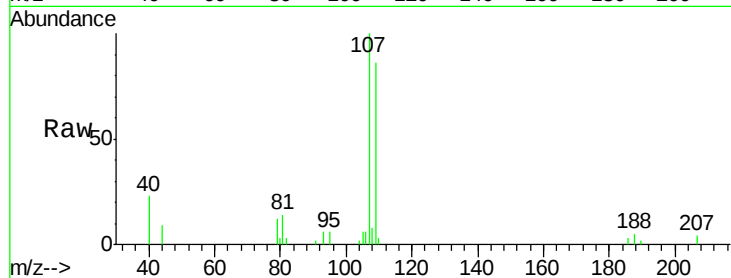
#61
 1,2-Dibromoethane
 Concen: 9.68 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065768.D
 Acq: 05 Jun 2020 10:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tgt Ion: 107 Resp: 15639
 Ion Ratio Lower Upper
 107 100
 109 90.6 74.4 111.6

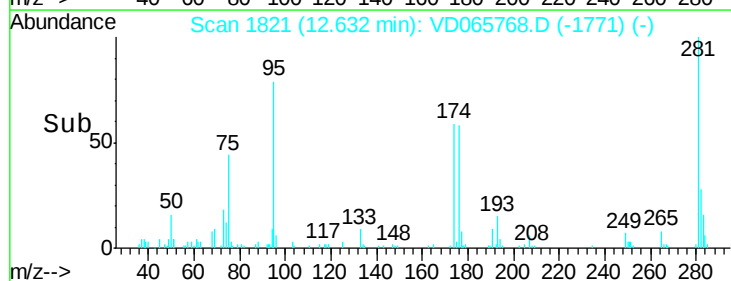
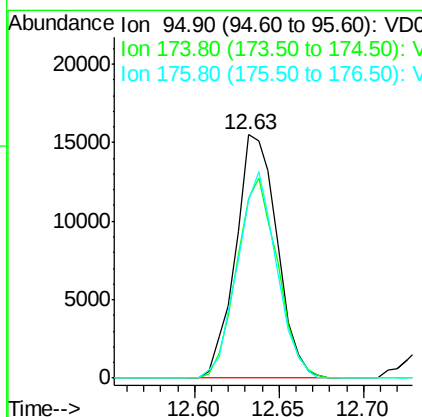
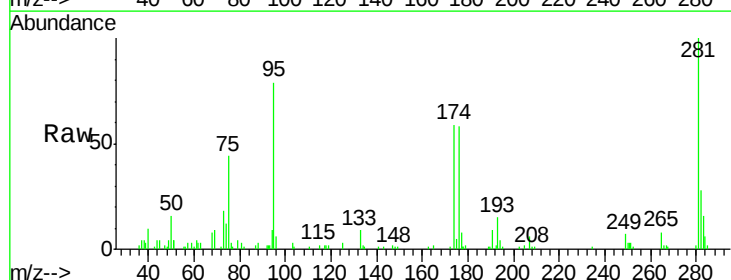
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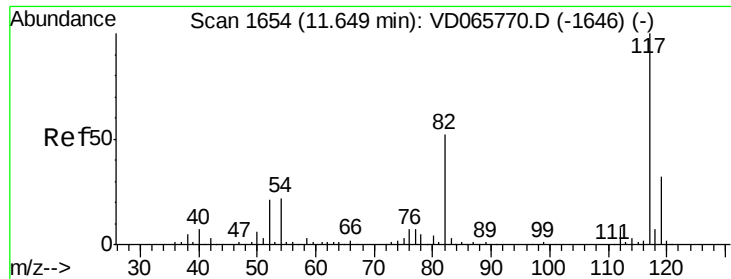
MMDadoda
 6/5/2020 4:12:40 PM



#62
 4-Bromofluorobenzene
 Concen: 9.81 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.01 min
 Lab File: VD065768.D
 Acq: 05 Jun 2020 10:57

Tgt Ion: 95 Resp: 26466
 Ion Ratio Lower Upper
 95 100
 174 81.0 0.0 175.2
 176 80.0 0.0 163.0





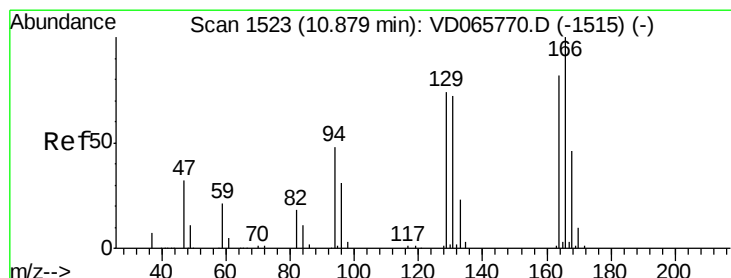
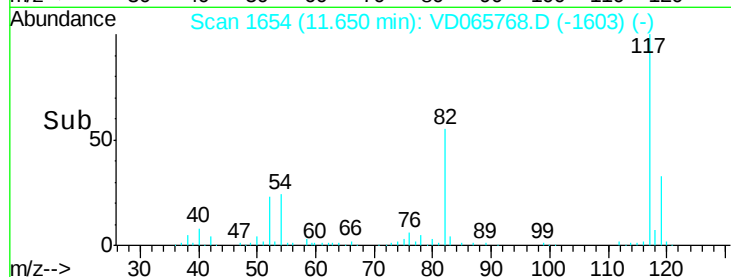
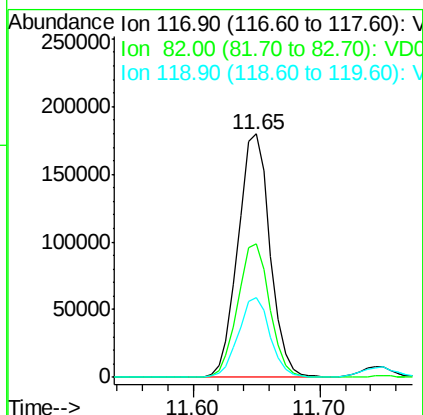
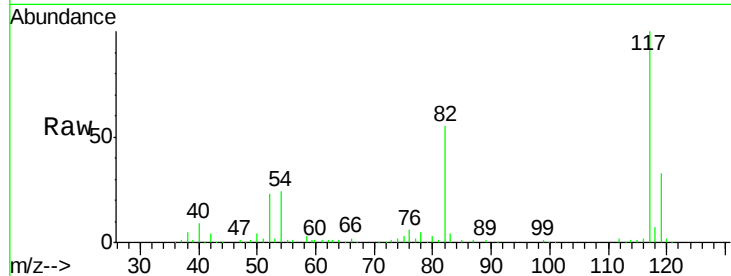
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065768.D
Acq: 05 Jun 2020 10:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	31511		
82	54.8	41.9	62.9	
119	32.8	25.3	37.9	

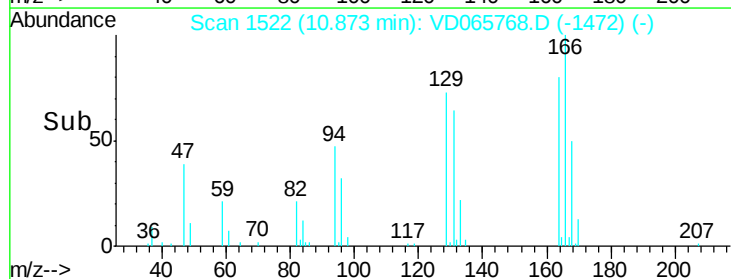
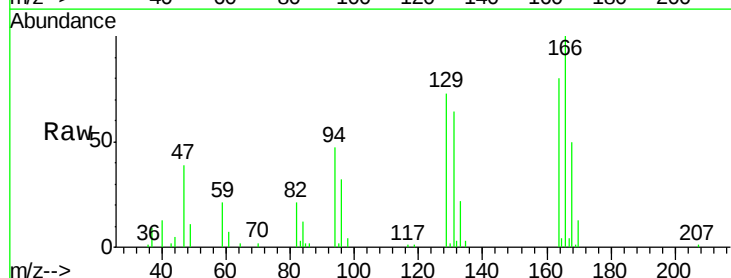
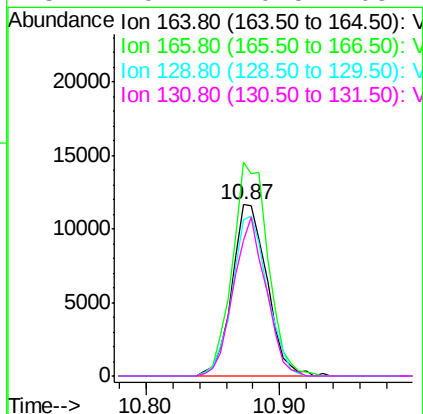
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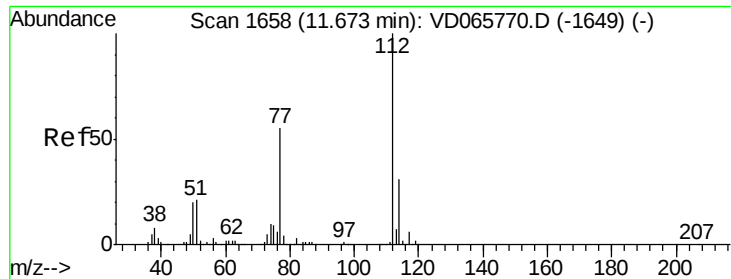
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6/5/2020 4:12:40 PM



#64
Tetrachloroethene
Concen: 9.71 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.01 min
Lab File: VD065768.D
Acq: 05 Jun 2020 10:57

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	21218		
166	124.6	98.2	147.2	
129	90.9	72.3	108.5	
131	79.2	70.5	105.7	





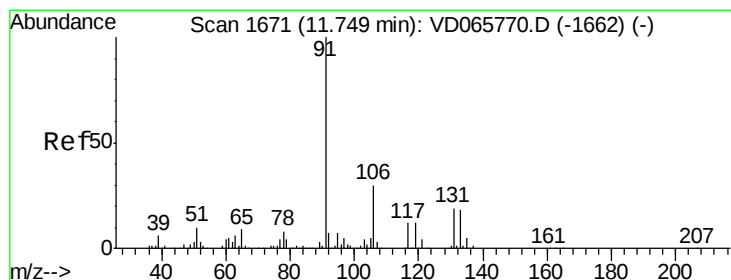
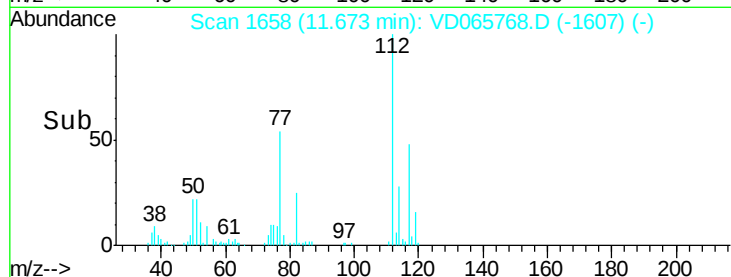
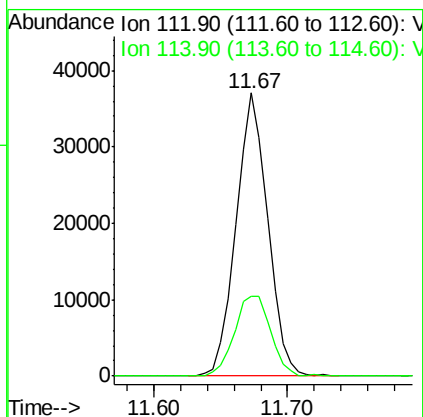
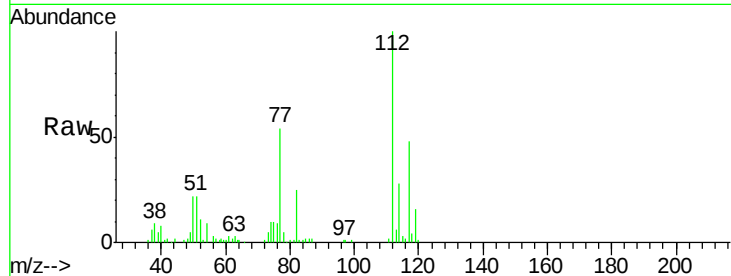
#65
Chlorobenzene
Concen: 9.76 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD065768.D
Acq: 05 Jun 2020 10:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion:112 Resp: 60905
Ion Ratio Lower Upper
112 100
114 28.4 24.7 37.1

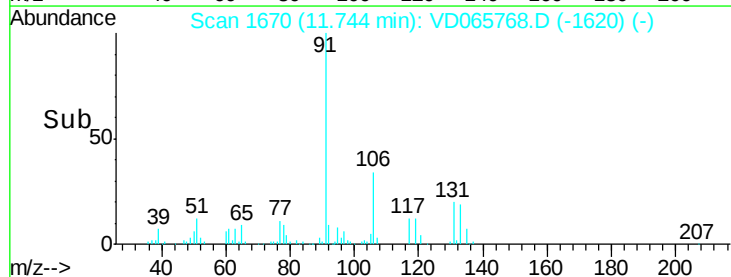
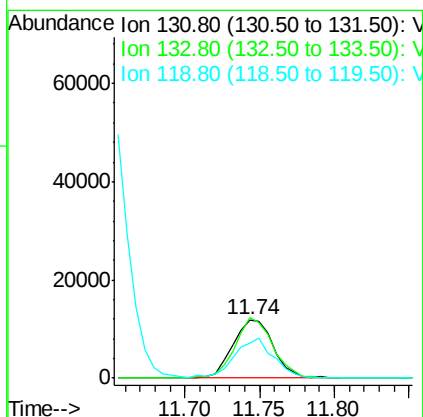
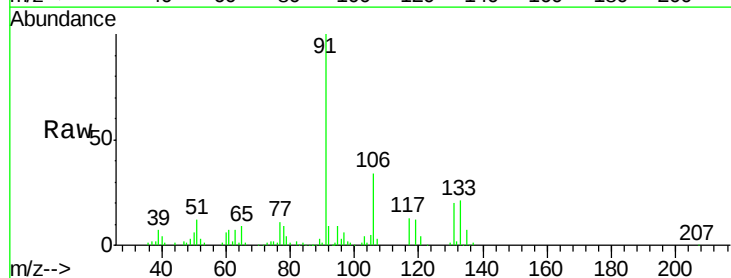
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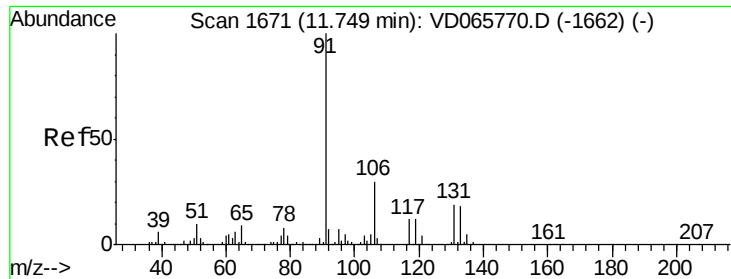
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 9.57 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD065768.D
Acq: 05 Jun 2020 10:57

Tgt Ion:131 Resp: 22129
Ion Ratio Lower Upper
131 100
133 98.2 47.3 141.9
119 66.3 31.6 94.8





#67

Ethyl Benzene

Concen: 9.75 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065768.D

Acq: 05 Jun 2020 10:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tgt Ion: 91 Resp: 107608

Ion Ratio Lower Upper

91 100

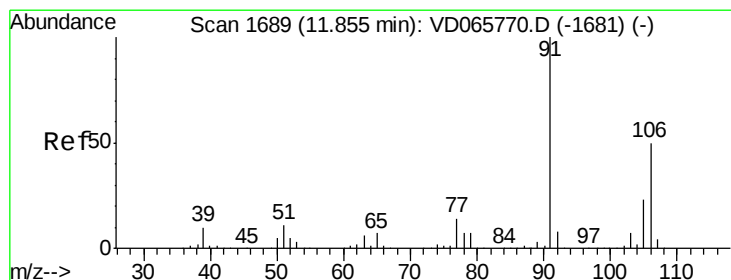
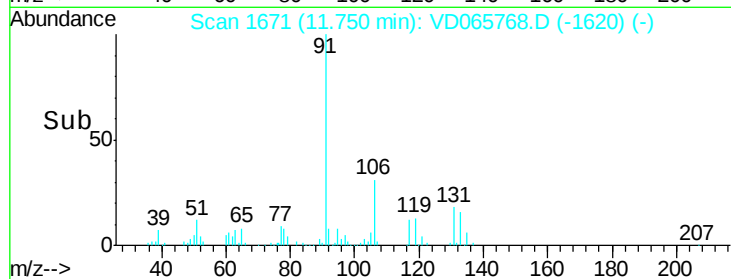
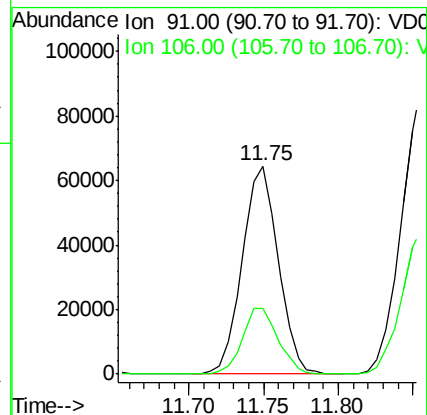
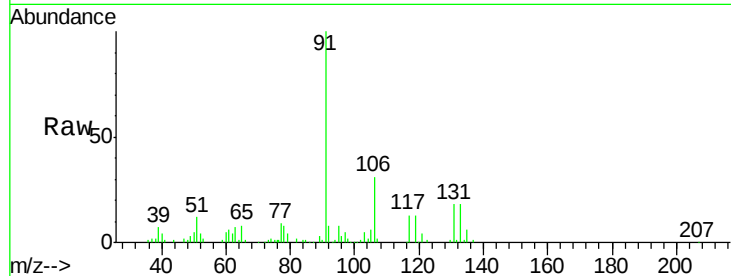
106 31.4 24.1 36.1

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#68

m/p-Xylenes

Concen: 19.80 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD065768.D

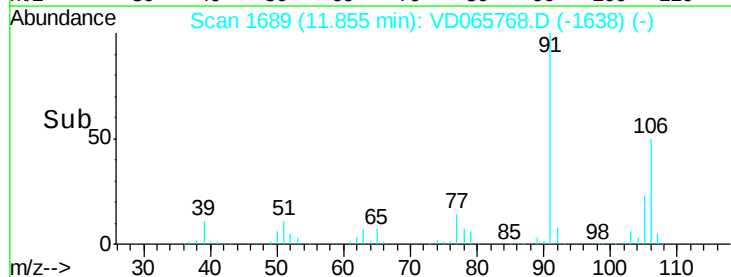
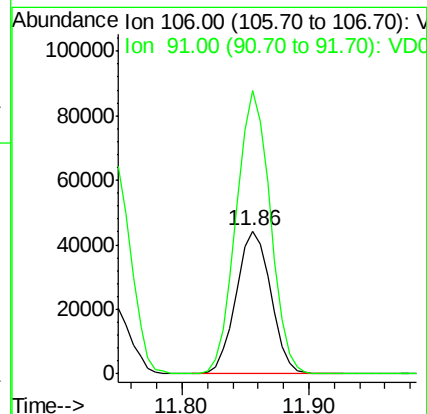
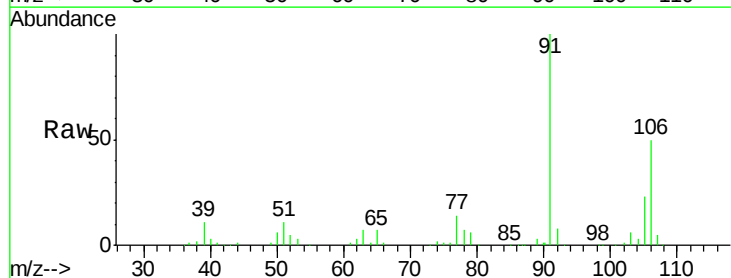
Acq: 05 Jun 2020 10:57

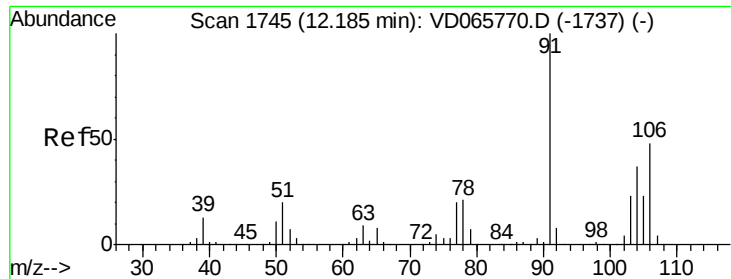
Tgt Ion: 106 Resp: 84133

Ion Ratio Lower Upper

106 100

91 194.6 159.4 239.2





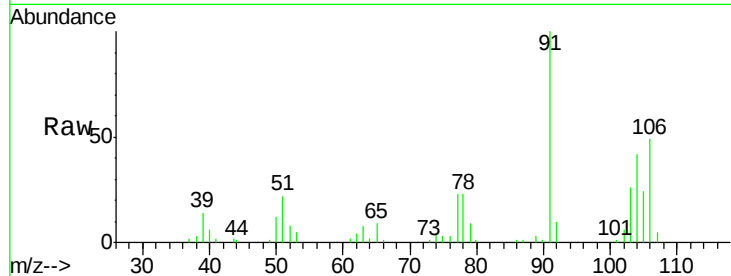
#69
o-Xylene
Concen: 9.58 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065768.D
Acq: 05 Jun 2020 10:57

Instrument :
MSVOA_D
ClientSampled :
VSTDIC010

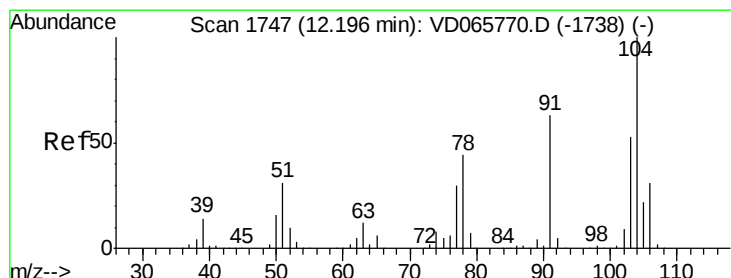
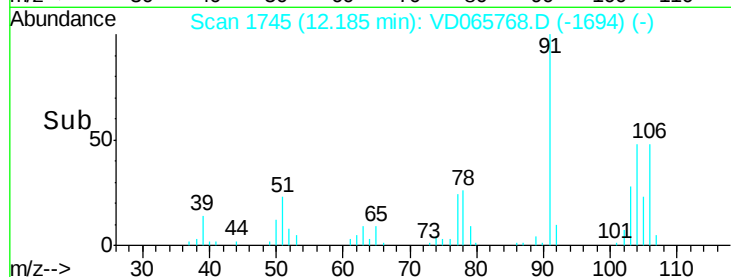
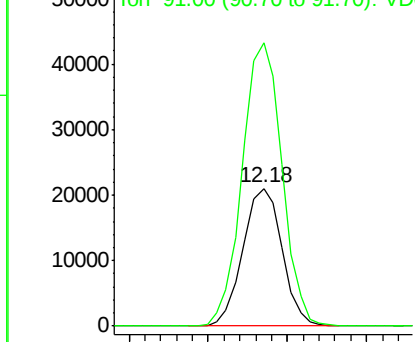
Tgt Ion:106 Resp: 36108
Ion Ratio Lower Upper
106 100
91 209.0 105.3 315.8

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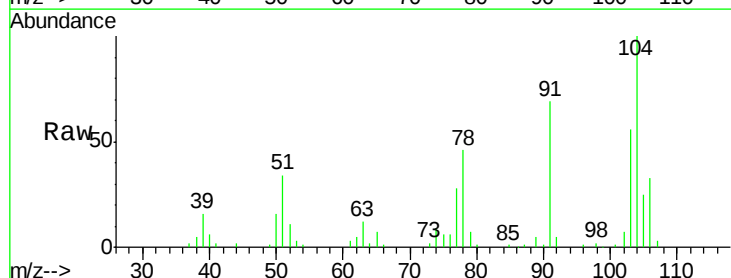


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

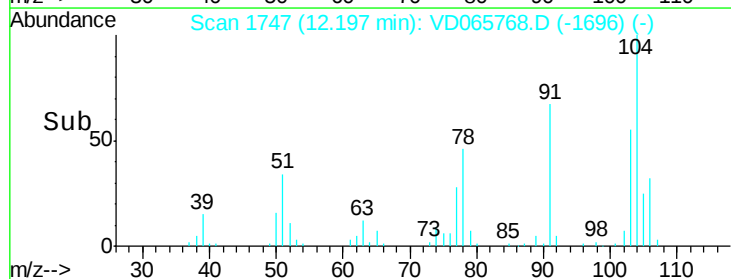
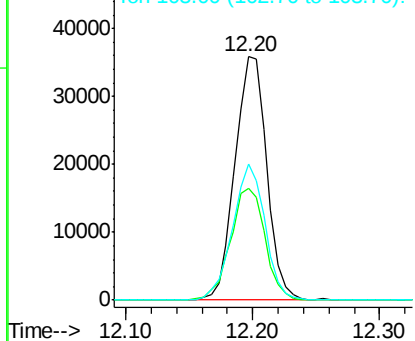


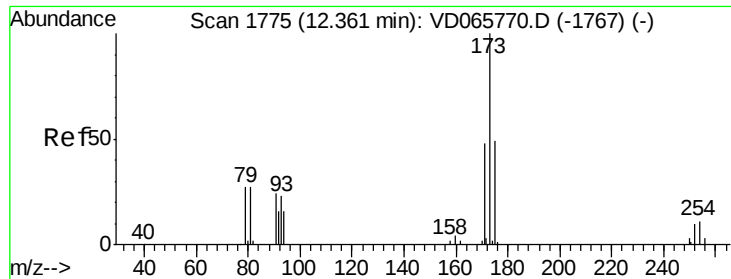
#70
Styrene
Concen: 9.54 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD065768.D
Acq: 05 Jun 2020 10:57

Tgt Ion:104 Resp: 62116
Ion Ratio Lower Upper
104 100
78 49.7 38.6 58.0
103 56.6 43.9 65.9



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V





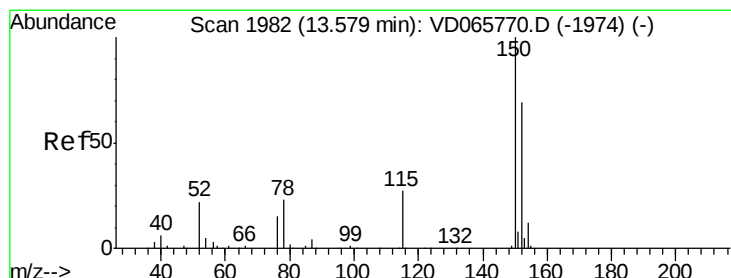
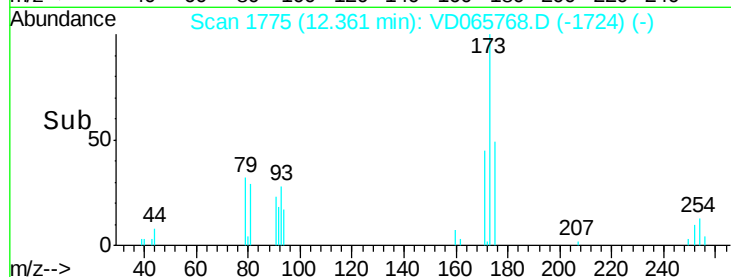
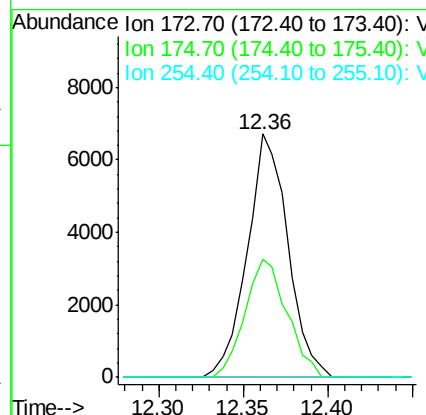
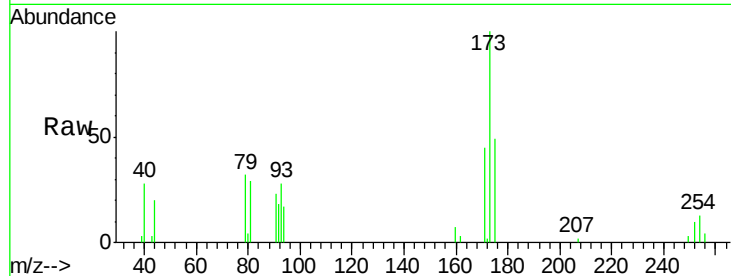
#71
Bromoform
Concen: 8.89 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. 0.00 min
Lab File: VD065768.D
Acq: 05 Jun 2020 10:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Lower	Upper
173	100		
175	50.2	24.8	74.4
254	0.0	0.0	0.0

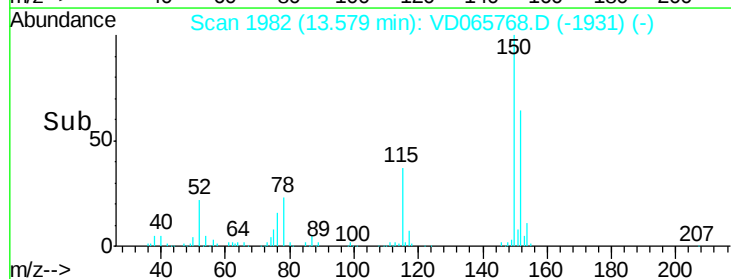
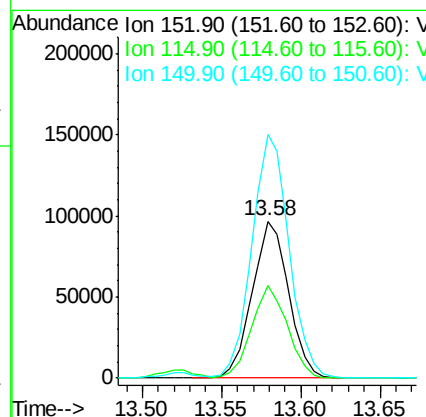
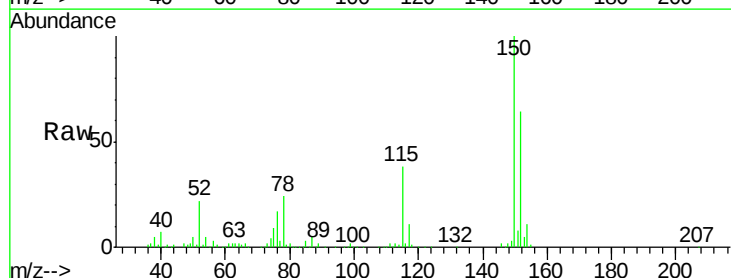
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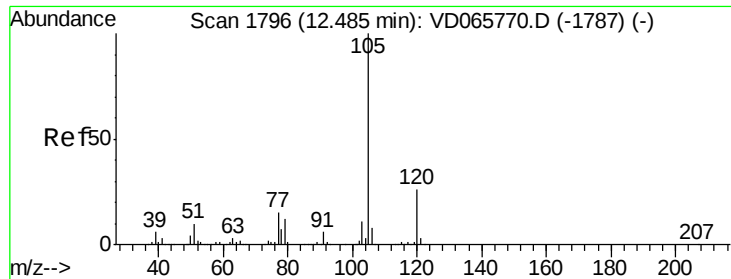
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD065768.D
Acq: 05 Jun 2020 10:57

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.1	28.7	86.1
150	158.9	0.0	348.0





#73

Isopropylbenzene

Concen: 9.57 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065768.D

Acq: 05 Jun 2020 10:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tgt Ion: 105 Resp: 99430

Ion Ratio Lower Upper

105 100

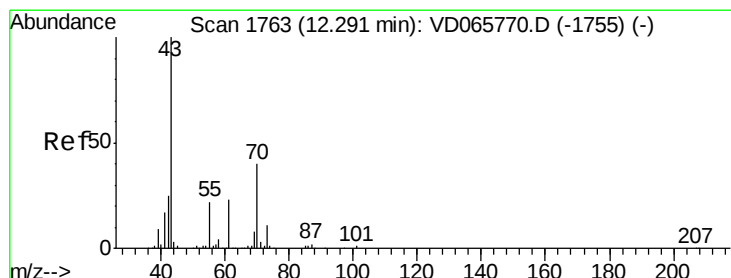
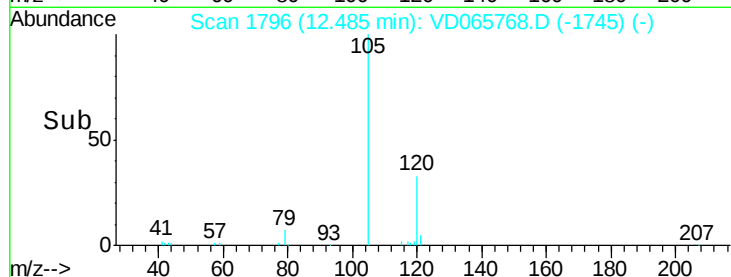
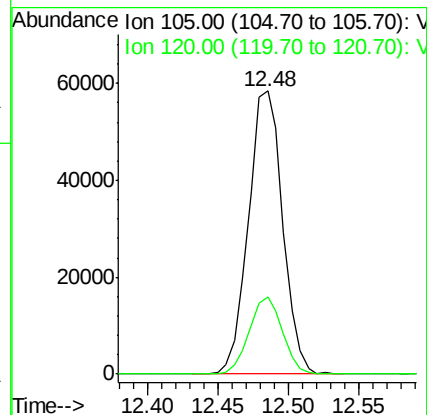
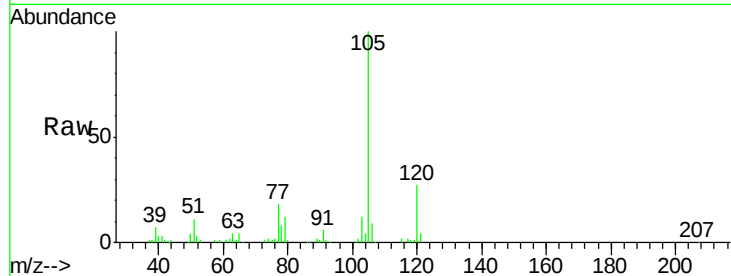
120 26.5 13.5 40.5

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#74

N-ethyl acetate

Concen: 9.36 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD065768.D

Acq: 05 Jun 2020 10:57

Tgt Ion: 43 Resp: 21577

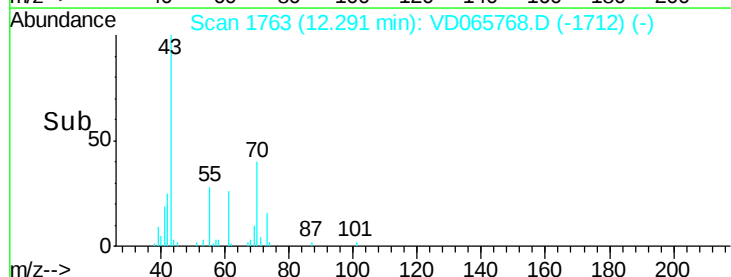
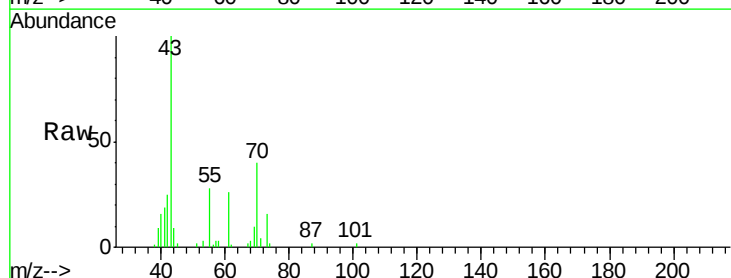
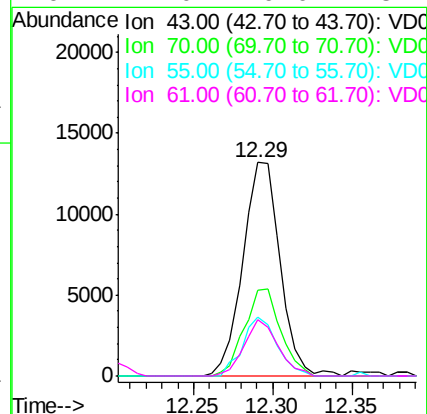
Ion Ratio Lower Upper

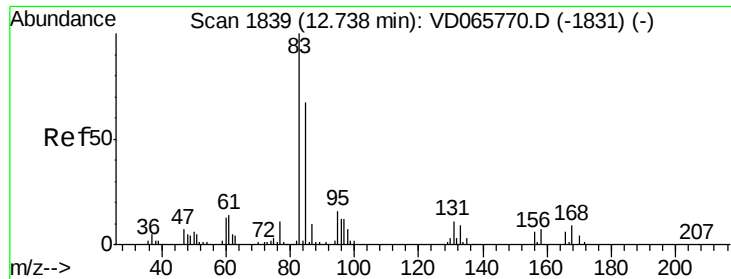
43 100

70 39.6 32.3 48.5

55 25.5 19.0 28.4

61 24.0 19.0 28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 9.80 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065768.D

Acq: 05 Jun 2020 10:57

Instrument :

MSVOA_D

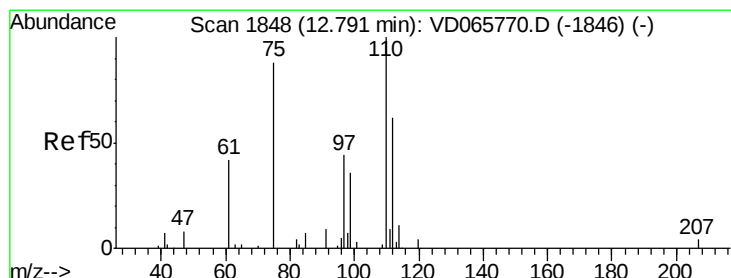
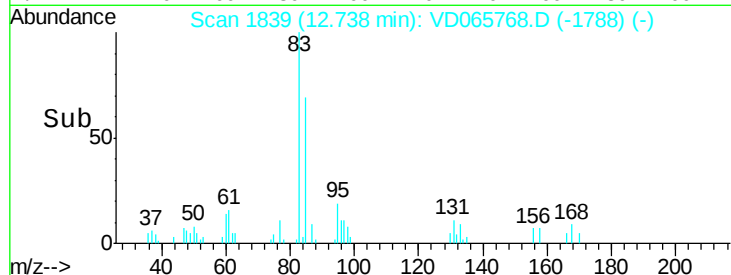
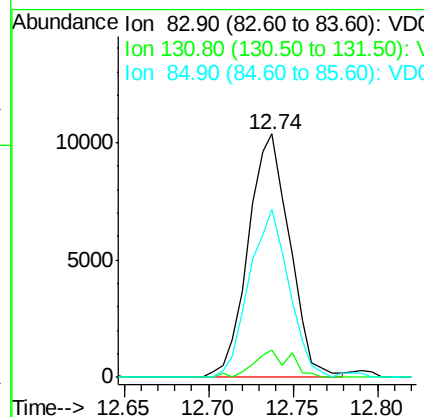
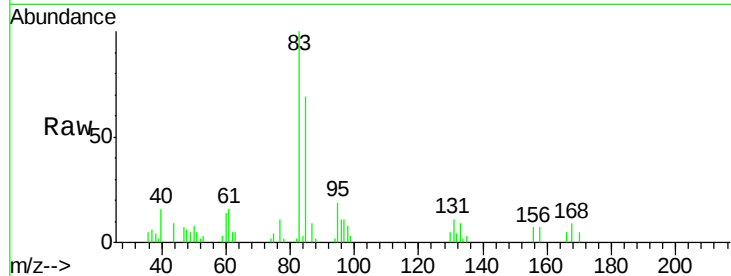
ClientSampleId :

VSTDIC010

Tgt Ion:	83	Resp:	17710
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.5	16.4
85	66.0	32.5	97.5

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#76

1,2,3-Trichloropropane

Concen: 10.94 ug/l m

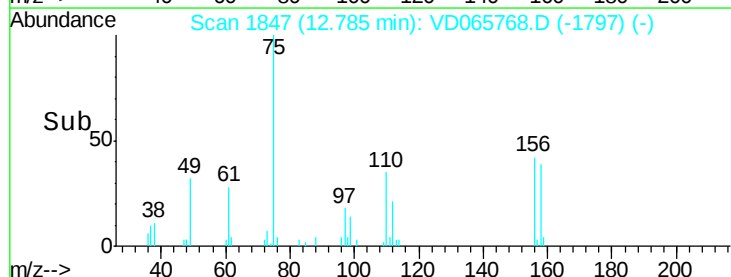
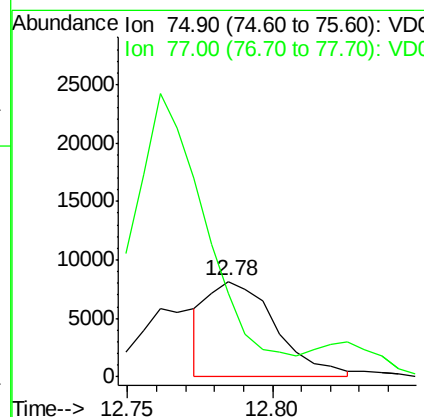
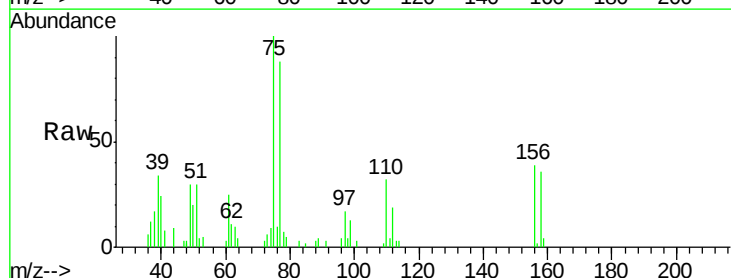
RT: 12.78 min Scan# 1847

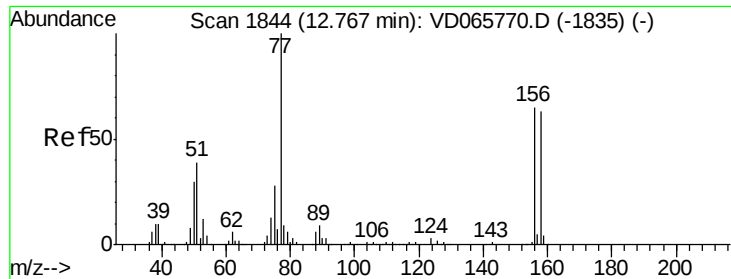
Delta R.T. -0.01 min

Lab File: VD065768.D

Acq: 05 Jun 2020 10:57

Tgt Ion:	75	Resp:	13225
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 9.65 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065768.D

Acq: 05 Jun 2020 10:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tgt Ion: 156 Resp: 23793

Ion Ratio Lower Upper

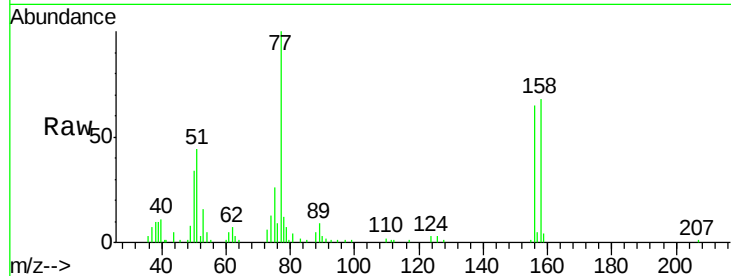
156 100

77 184.4 87.3 261.8

158 96.5 48.0 144.0

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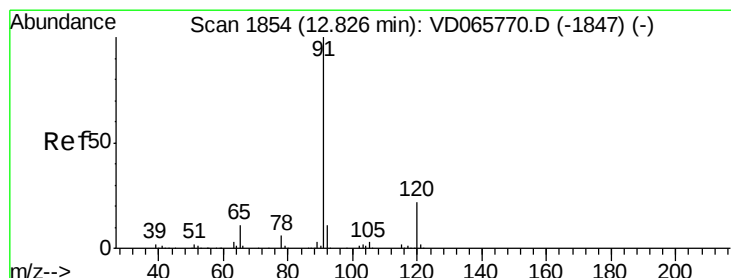
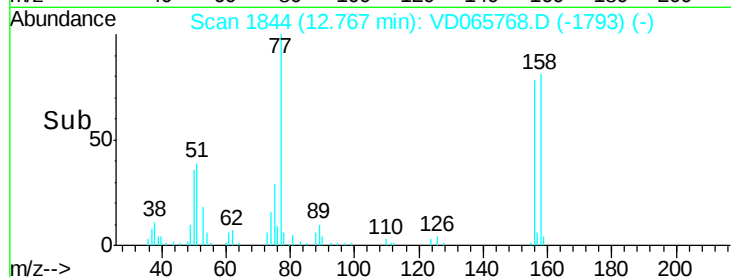
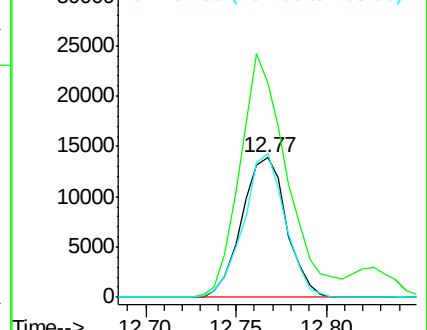
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 9.67 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065768.D

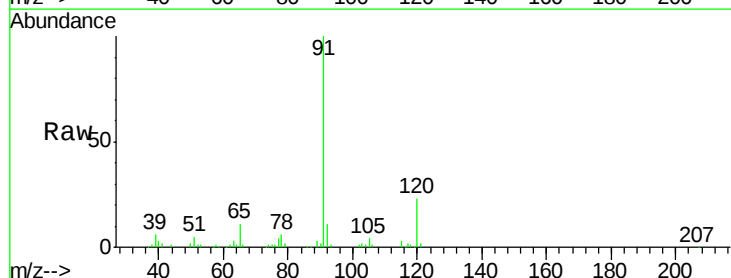
Acq: 05 Jun 2020 10:57

Tgt Ion: 91 Resp: 121995

Ion Ratio Lower Upper

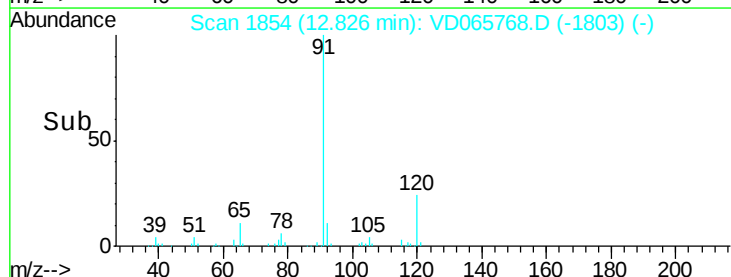
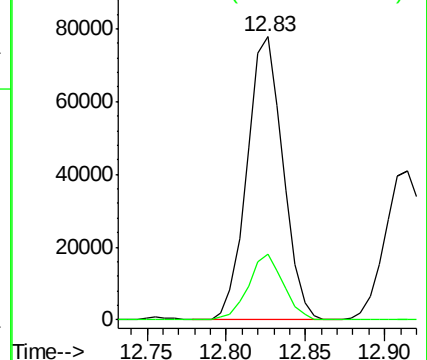
91 100

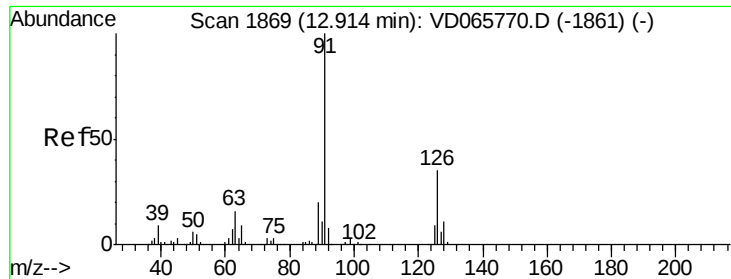
120 22.7 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 9.93 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065768.D

Acq: 05 Jun 2020 10:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tgt Ion: 91 Resp: 68746

Ion Ratio Lower Upper

91 100

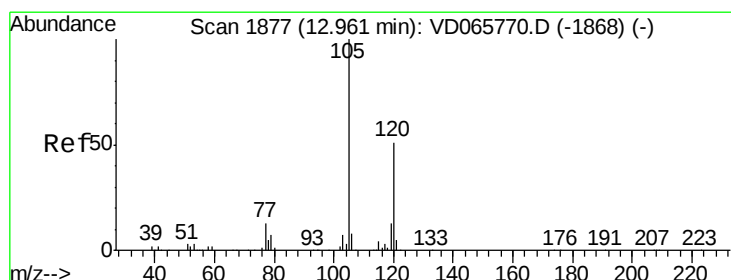
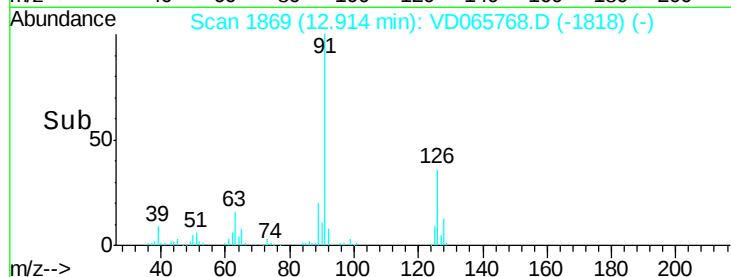
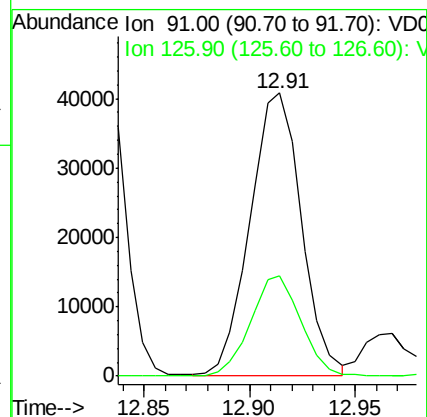
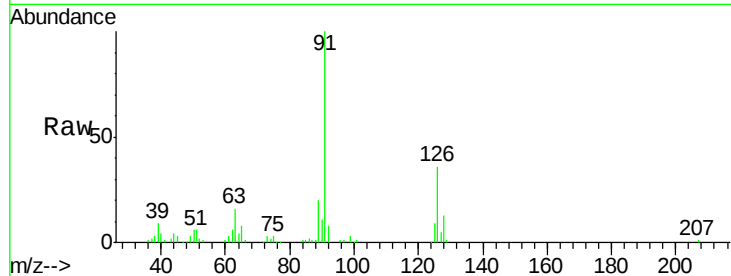
126 34.8 17.5 52.6

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 9.63 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD065768.D

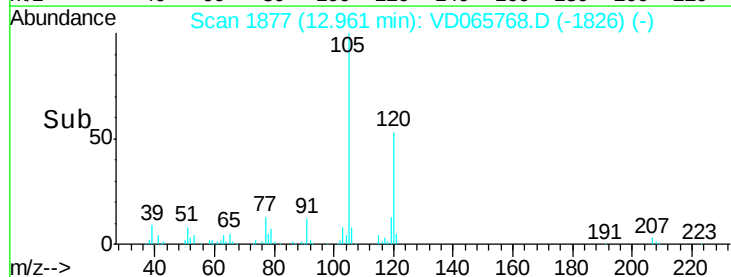
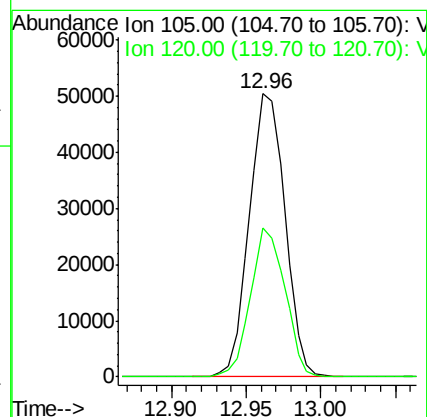
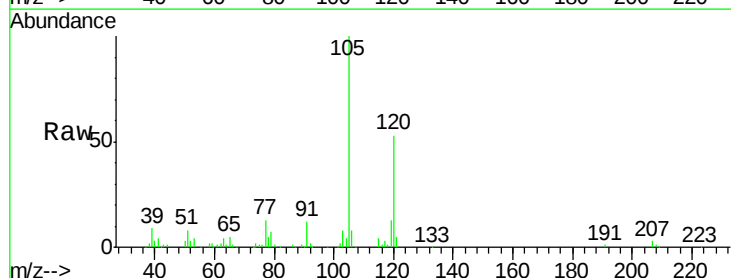
Acq: 05 Jun 2020 10:57

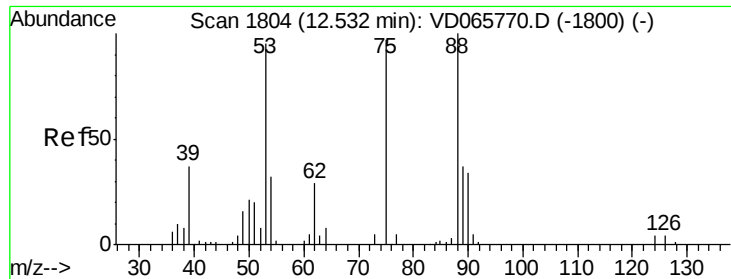
Tgt Ion: 105 Resp: 83255

Ion Ratio Lower Upper

105 100

120 50.7 25.4 76.0





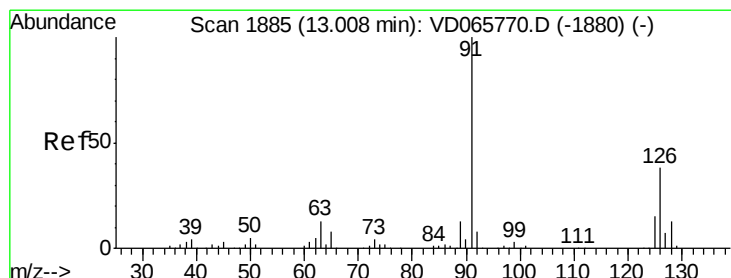
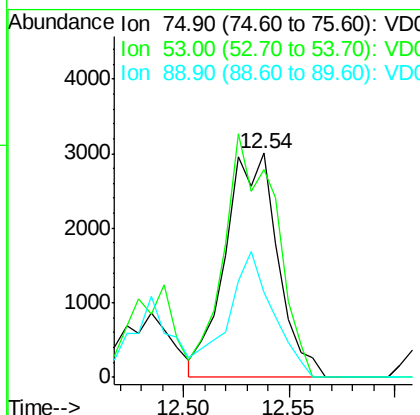
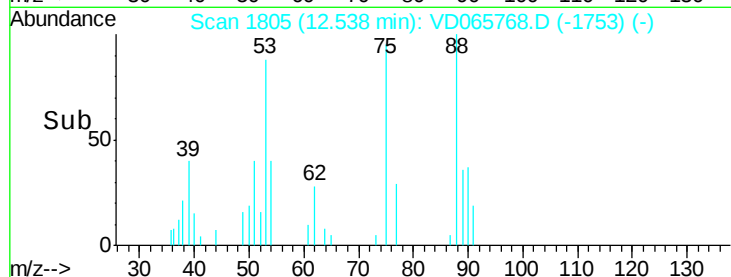
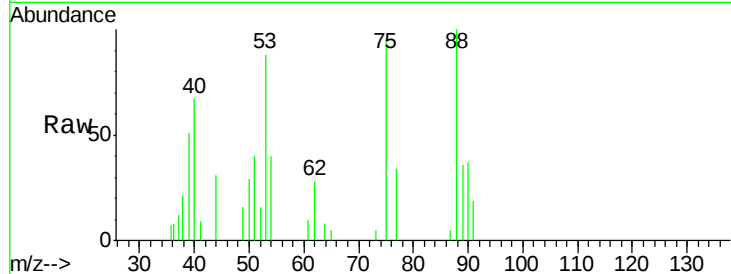
#81
trans-1,4-Dichloro-2-butene
Concen: 9.45 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. 0.01 min
Lab File: VD065768.D
Acq: 05 Jun 2020 10:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Lower	Upper
75	100		
53	106.4	82.6	123.8
89	48.3	35.9	53.9

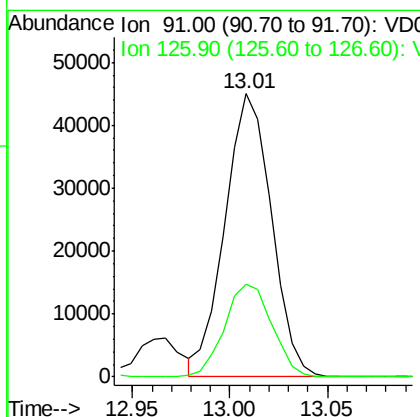
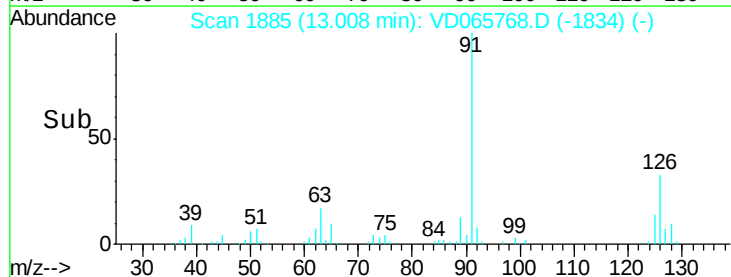
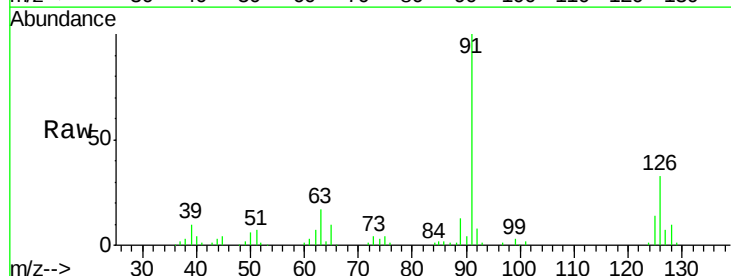
Manual Integrations
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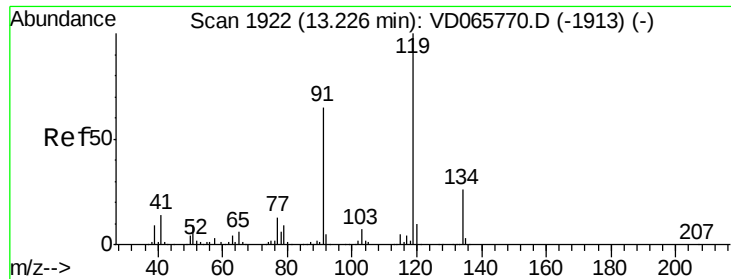
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#82
4-Chlorotoluene
Concen: 9.92 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VD065768.D
Acq: 05 Jun 2020 10:57

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.4	17.6	52.8





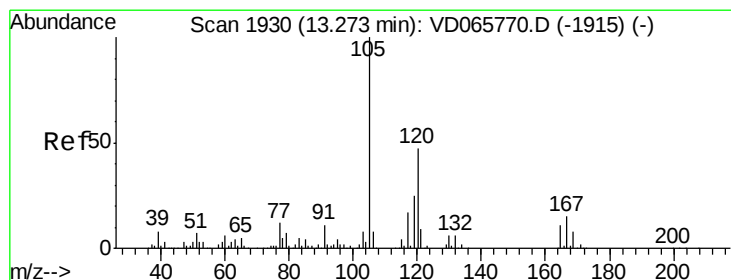
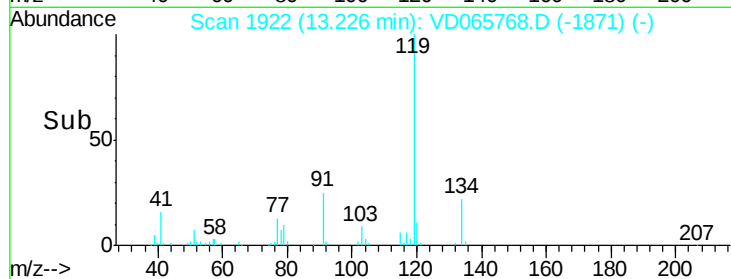
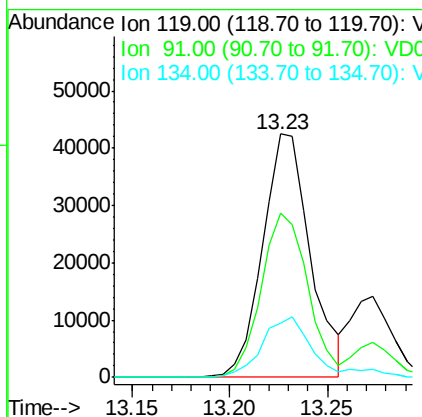
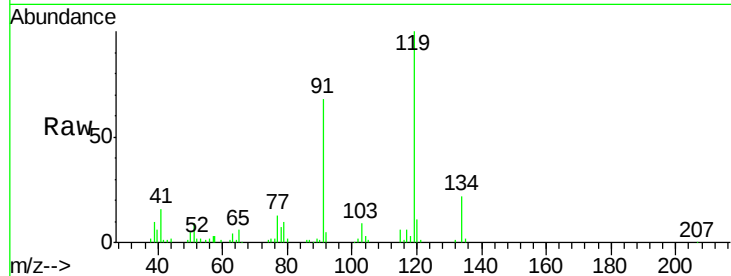
#83
tert-Butylbenzene
Concen: 9.62 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD065768.D
Acq: 05 Jun 2020 10:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Lower	Upper
119	100		
91	65.6	32.0	96.0
134	27.1	13.8	41.4

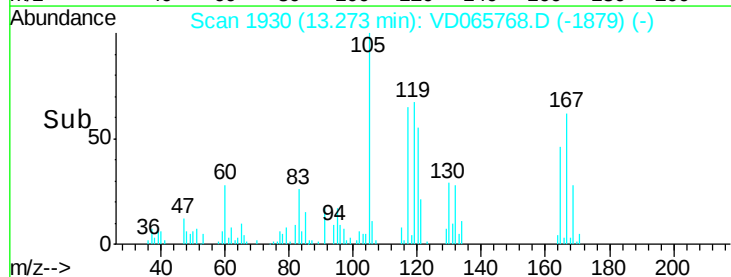
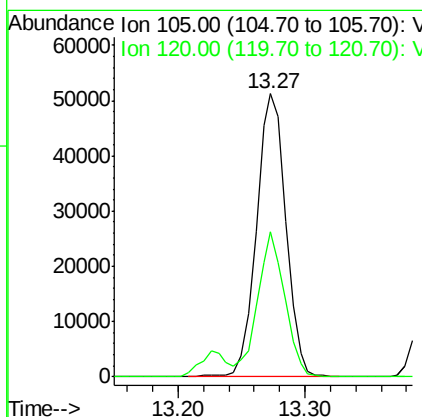
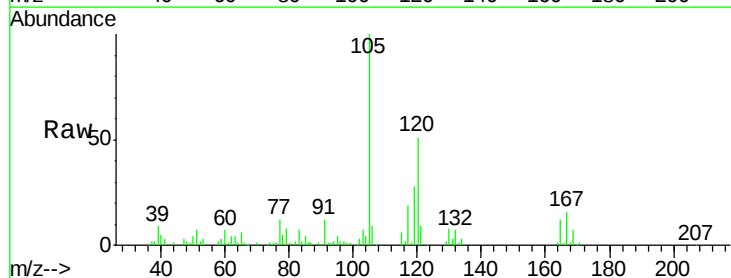
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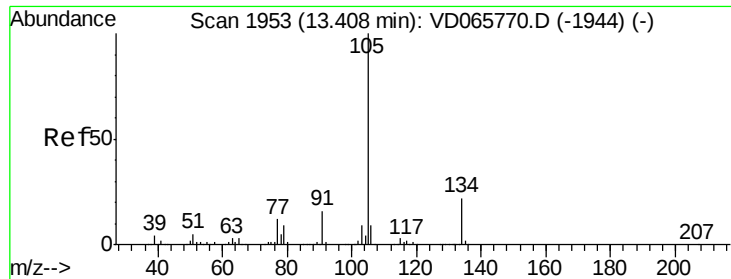
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#84
1,2,4-Trimethylbenzene
Concen: 9.57 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD065768.D
Acq: 05 Jun 2020 10:57

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.6	23.3	69.8





#85

sec-Butylbenzene

Concen: 9.64 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD065768.D

Acq: 05 Jun 2020 10:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tgt Ion:105 Resp: 101042

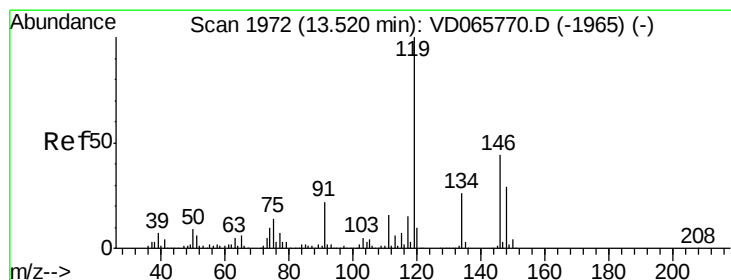
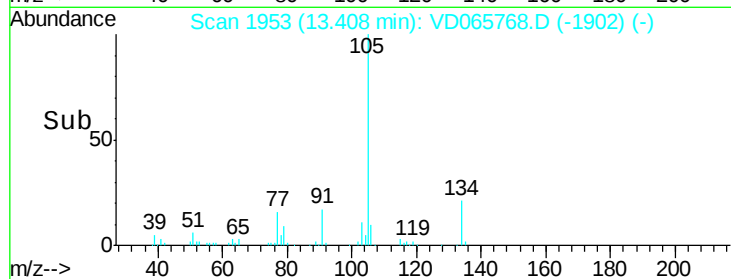
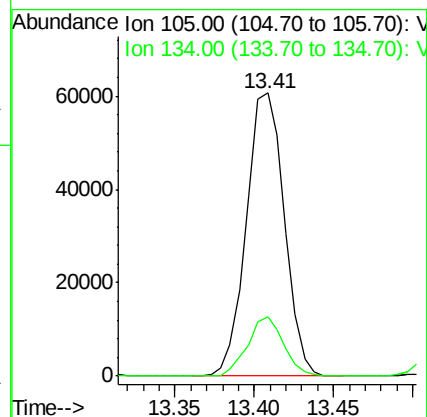
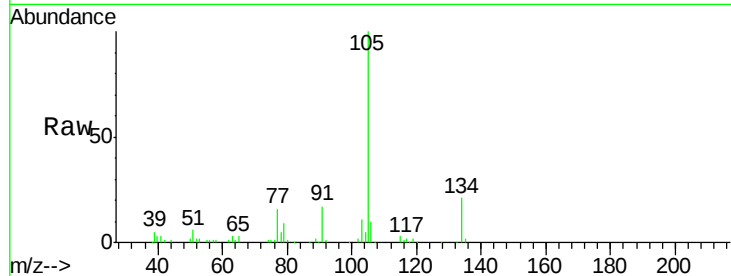
Ion Ratio Lower Upper

105 100

134 19.9 10.4 31.4

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 9.59 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD065768.D

Acq: 05 Jun 2020 10:57

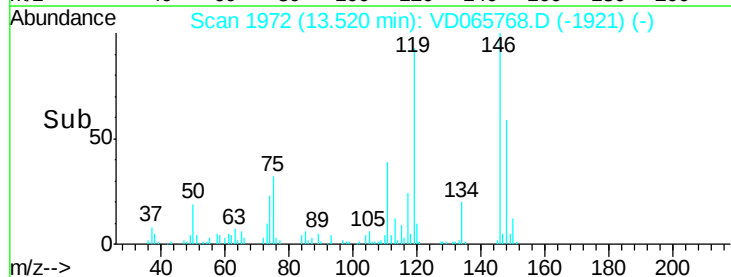
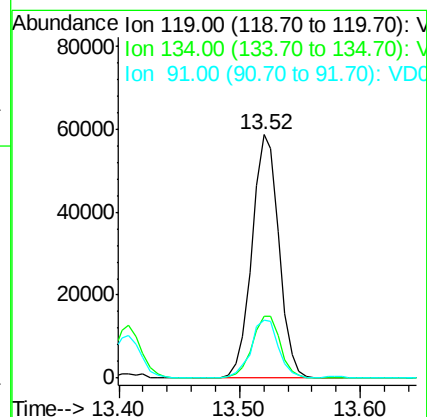
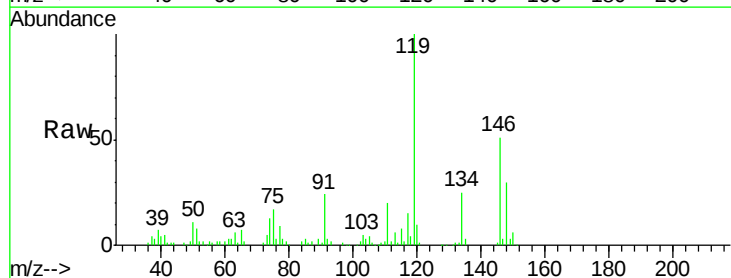
Tgt Ion:119 Resp: 91281

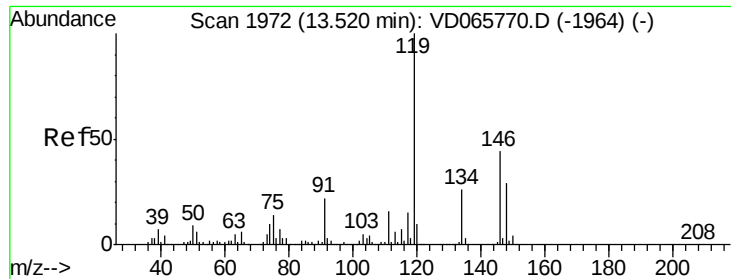
Ion Ratio Lower Upper

119 100

134 26.3 13.3 39.9

91 24.9 11.8 35.4





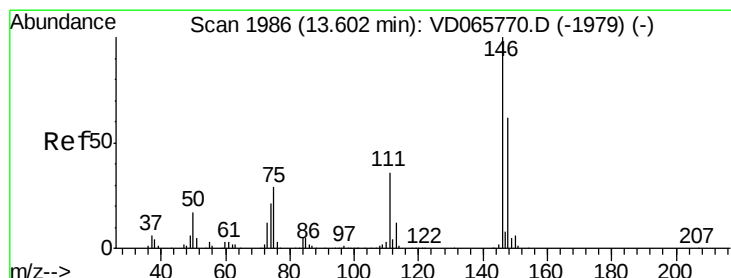
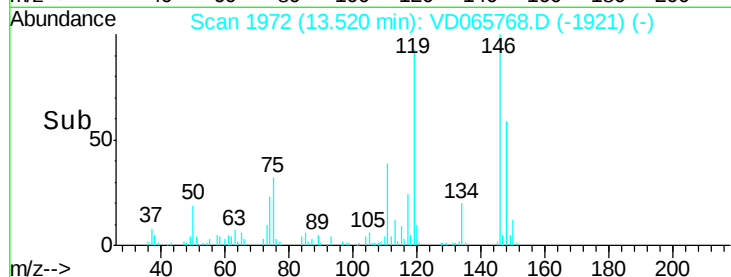
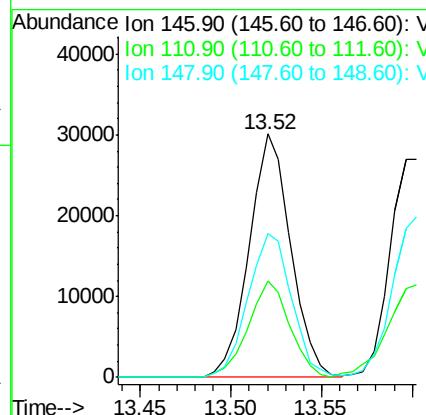
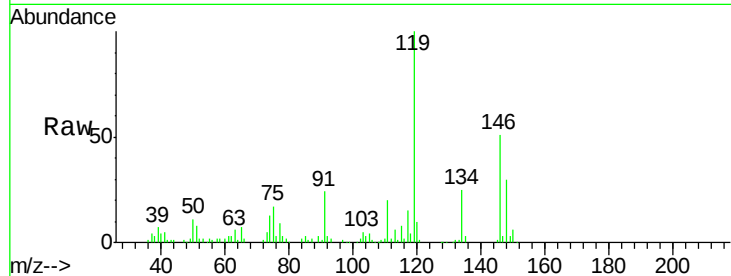
#87
 1,3-Dichlorobenzene
 Concen: 9.73 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD065768.D
 Acq: 05 Jun 2020 10:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.2	57.6
148	62.3	32.1	96.3

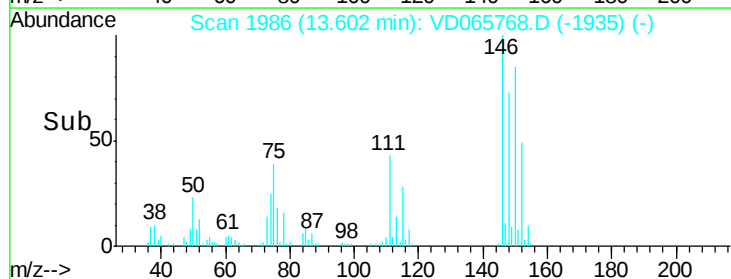
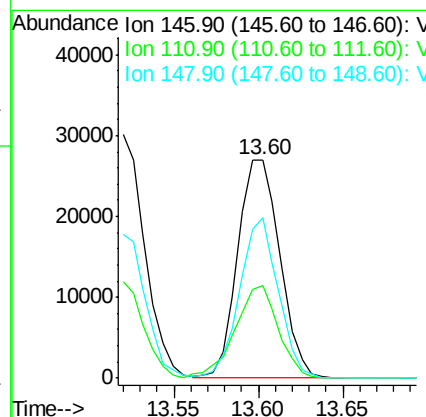
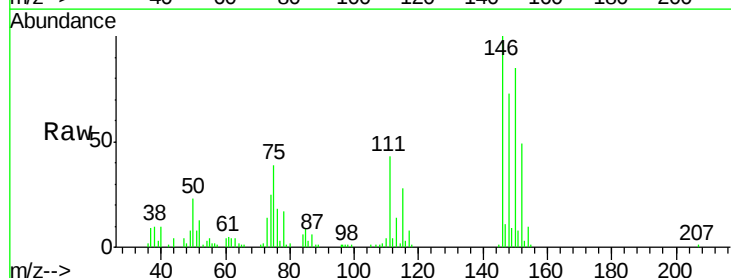
Manual Integrations
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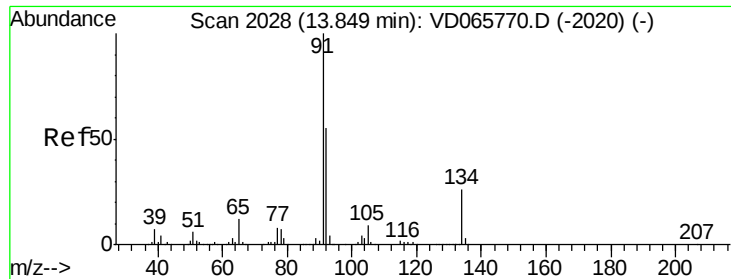
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#88
 1,4-Dichlorobenzene
 Concen: 9.57 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD065768.D
 Acq: 05 Jun 2020 10:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.5	18.9	56.7
148	67.4	31.6	94.7





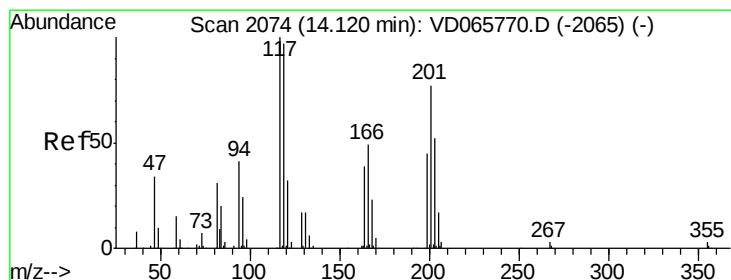
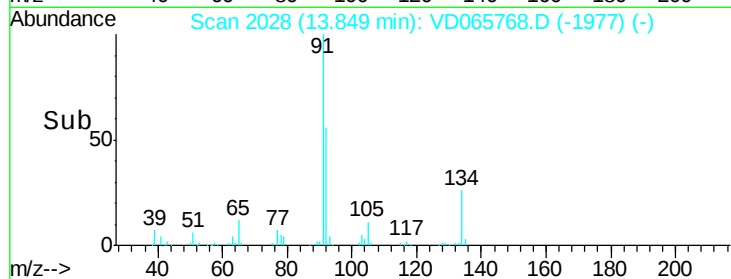
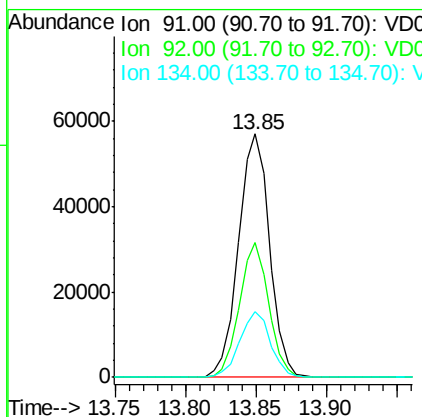
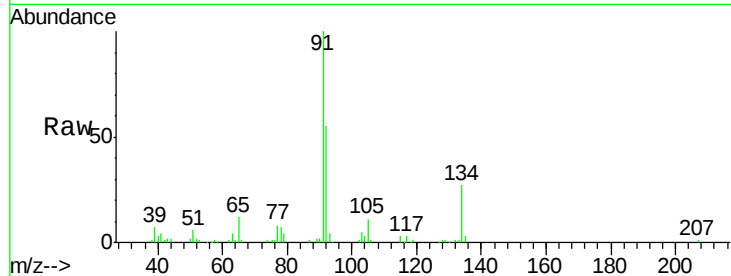
#89
n-Butylbenzene
Concen: 9.57 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD065768.D
Acq: 05 Jun 2020 10:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.3	27.0	81.0
134	26.5	13.0	39.0

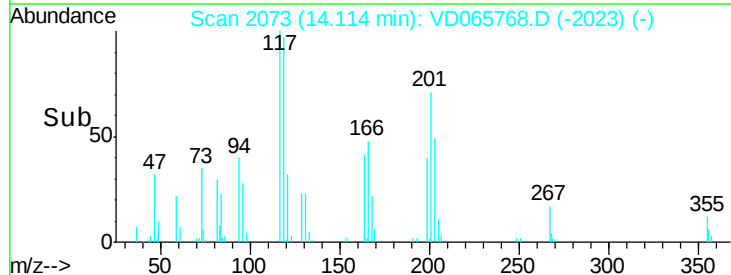
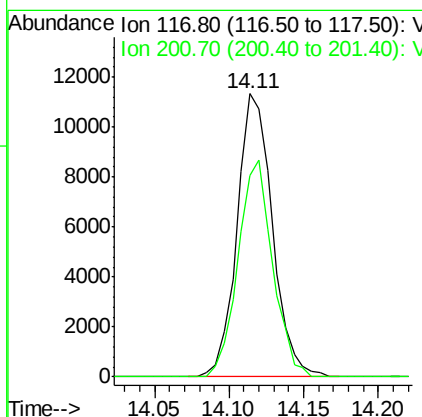
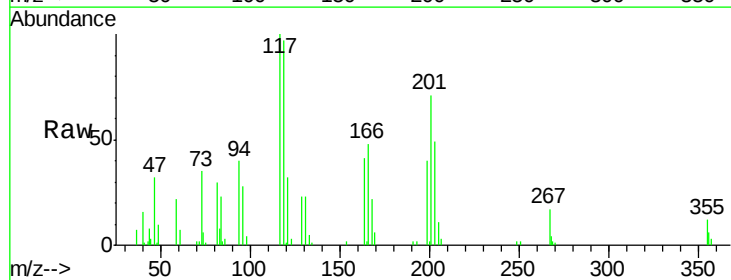
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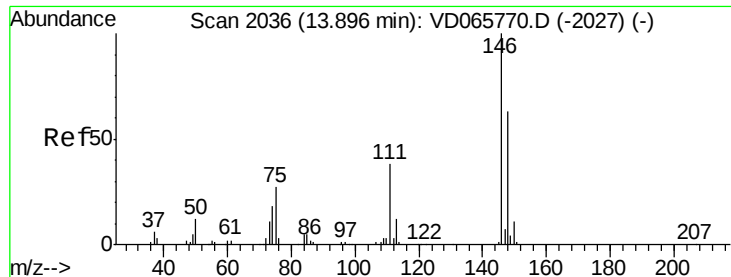
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#90
Hexachloroethane
Concen: 9.64 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.01 min
Lab File: VD065768.D
Acq: 05 Jun 2020 10:57

Tgt Ion	Ratio	Lower	Upper
117	100		
201	74.4	37.1	111.5





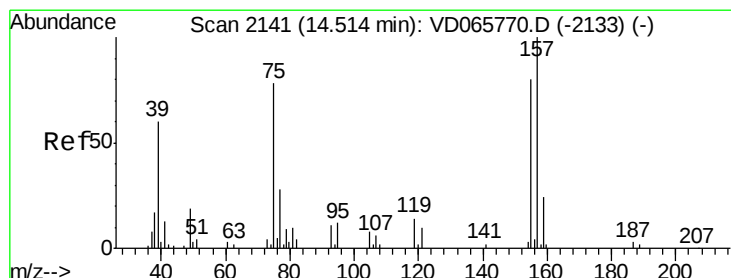
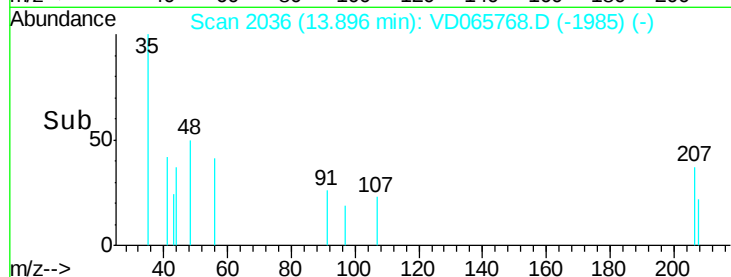
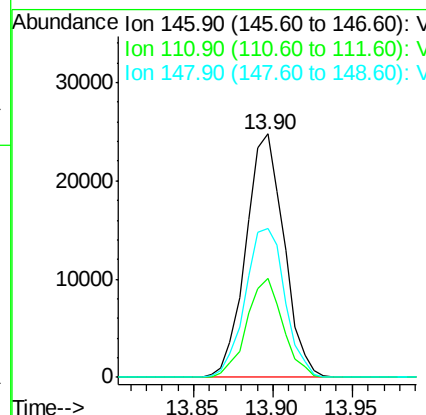
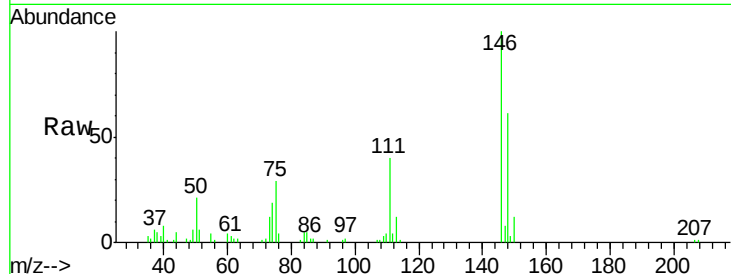
#91
 1,2-Dichlorobenzene
 Concen: 9.81 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD065768.D
 Acq: 05 Jun 2020 10:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.8	59.4
148	63.8	31.9	95.7

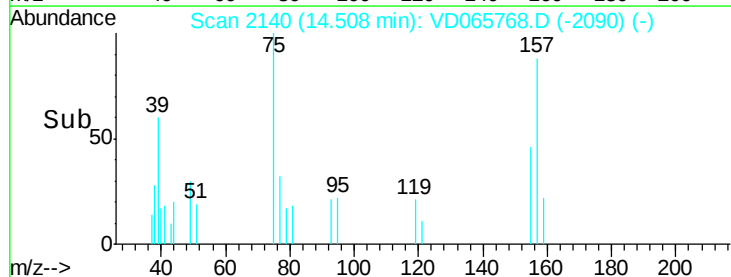
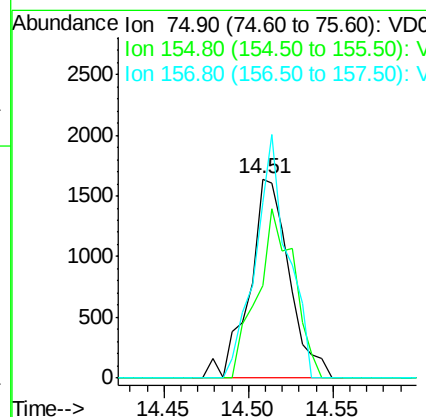
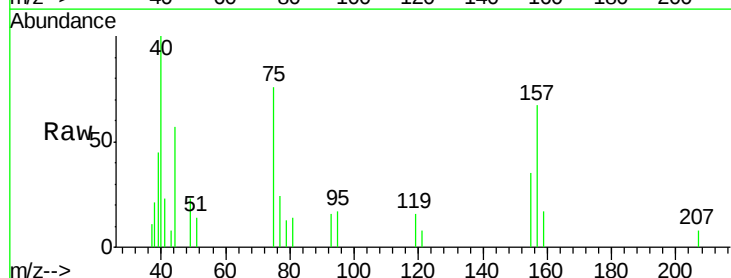
Manual Integrations
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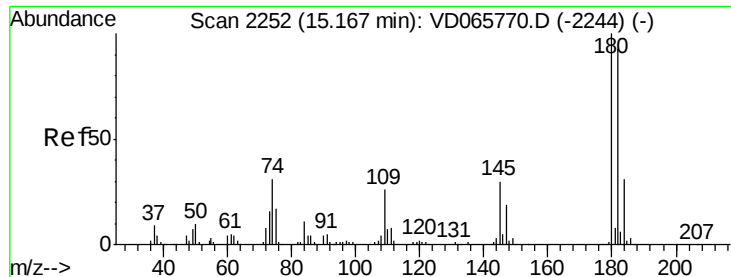
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 8.98 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD065768.D
 Acq: 05 Jun 2020 10:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.5	46.3	138.9
157	99.6	58.1	174.3





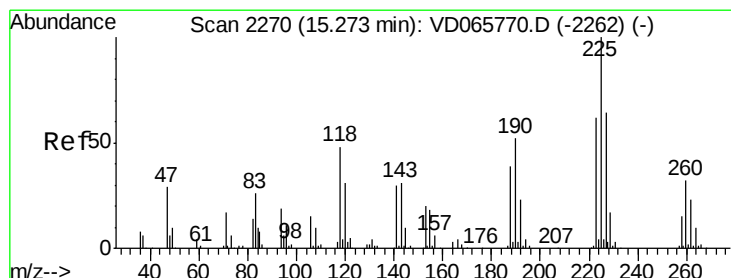
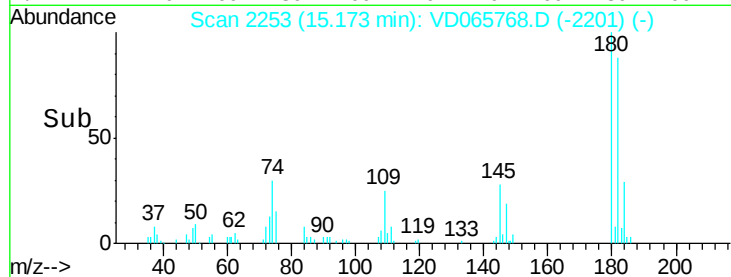
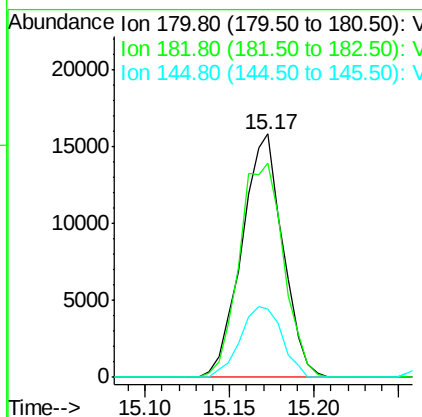
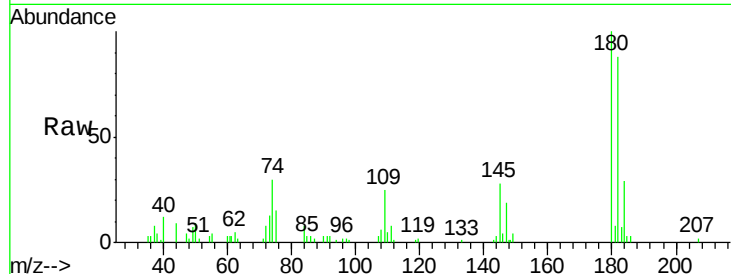
#93
1,2,4-Trichlorobenzene
Concen: 9.56 ug/l
RT: 15.17 min Scan# 2253
Delta R.T. 0.01 min
Lab File: VD065768.D
Acq: 05 Jun 2020 10:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	26706		
182	95.2	48.0	144.2	
145	29.6	14.9	44.9	

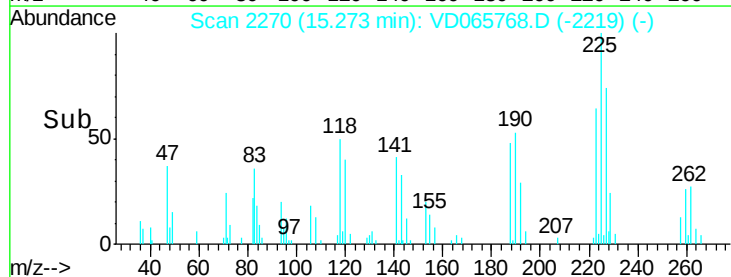
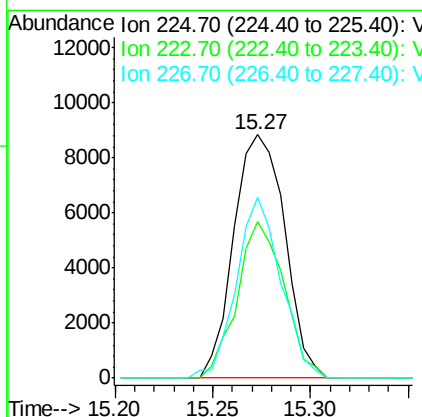
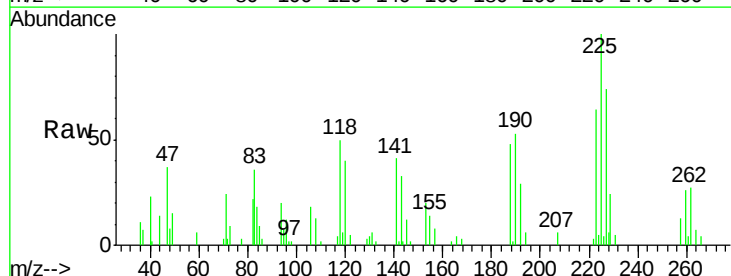
Manual Integrations
APPROVED

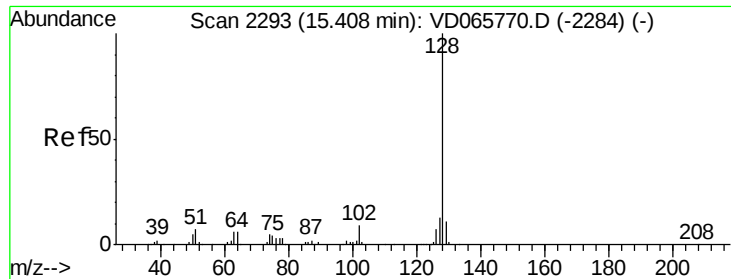
MMDadoda
6/5/2020 4:12:40 PM



#94
Hexachlorobutadiene
Concen: 9.30 ug/l
RT: 15.27 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VD065768.D
Acq: 05 Jun 2020 10:57

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	16005		
223	59.1	30.9	92.7	
227	64.9	31.9	95.7	





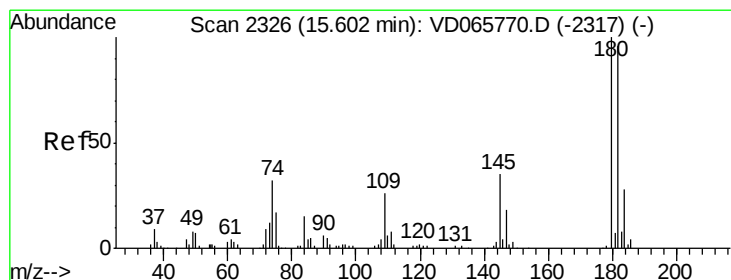
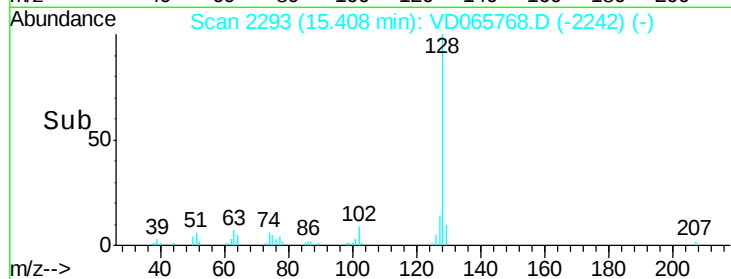
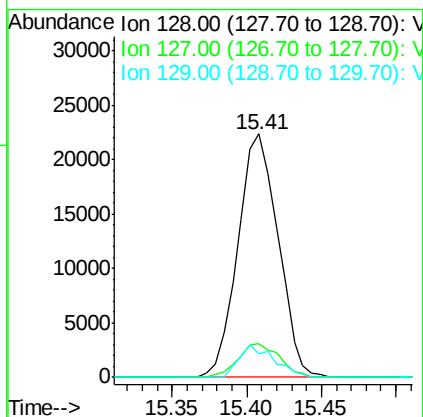
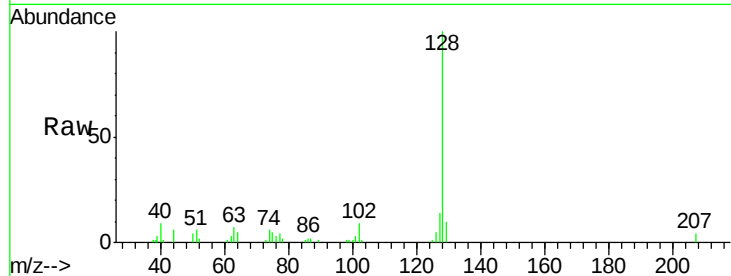
#95
Naphthalene
Concen: 8.96 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD065768.D
Acq: 05 Jun 2020 10:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Lower	Upper
128	100		
127	14.2	10.7	16.1
129	11.5	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
6/5/2020 4:12:40 PM



#96
1,2,3-Trichlorobenzene
Concen: 9.37 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD065768.D
Acq: 05 Jun 2020 10:57

Tgt Ion	Ratio	Lower	Upper
180	100		
182	100.8	47.0	141.2
145	32.9	16.2	48.6

