

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021120\
 Data File : VD065141.D
 Acq On : 11 Feb 2020 10:32
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 2/12/2020 3:12:41 PM

Quant Time: Feb 12 07:07:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:53:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	469234	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	672477	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	607017	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	300839	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	222597	55.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.64%	
35) Dibromofluoromethane	7.92	113	226115	60.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.54%	
50) Toluene-d8	10.34	98	897646	60.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.22%	
62) 4-Bromofluorobenzene	12.64	95	276555	58.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	206065	52.772	ug/l	99
3) Chloromethane	2.21	50	253249	55.095	ug/l	96
4) Vinyl Chloride	2.35	62	263571	54.219	ug/l	100
5) Bromomethane	2.77	94	158860	50.400	ug/l	98
6) Chloroethane	2.93	64	163691	54.284	ug/l	98
7) Trichlorofluoromethane	3.27	101	383034	54.143	ug/l	95
8) Diethyl Ether	3.71	74	101743	50.097	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.08	101	223963	51.785	ug/l	98
10) Methyl Iodide	4.29	142	243255	49.279	ug/l	97
11) Tert butyl alcohol	5.25	59	57462	235.822	ug/l	99
12) 1,1-Dichloroethene	4.07	96	212982	51.420	ug/l	96
13) Acrolein	3.93	56	61168	204.095	ug/l	96
14) Allyl chloride	4.71	41	354484	51.494	ug/l	98
15) Acrylonitrile	5.43	53	224399	252.730	ug/l	99
16) Acetone	4.16	43	283948	284.776	ug/l	98
17) Carbon Disulfide	4.40	76	697634	52.457	ug/l	99
18) Methyl Acetate	4.73	43	105465	50.626	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	454528	49.624	ug/l	97
20) Methylene Chloride	4.96	84	233916	53.560	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	246321	52.563	ug/l	96
22) Diisopropyl ether	6.37	45	695752	53.582	ug/l	96
23) Vinyl Acetate	6.31	43	1933434	267.143	ug/l	99
24) 1,1-Dichloroethane	6.27	63	421637	53.647	ug/l	99
25) 2-Butanone	7.23	43	323304	271.825	ug/l	100
26) 2,2-Dichloropropane	7.21	77	381348	54.133	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	260124	52.250	ug/l	99
28) Bromochloromethane	7.55	49	165301	55.483	ug/l	99
29) Tetrahydrofuran	7.57	42	187200	260.267	ug/l	98
30) Chloroform	7.71	83	422910	54.041	ug/l	99
31) Cyclohexane	7.98	56	399227	50.321	ug/l	98
32) 1,1,1-Trichloroethane	7.91	97	393006	53.912	ug/l	99
36) 1,1-Dichloropropene	8.11	75	343610	54.951	ug/l	99
37) Ethyl Acetate	7.30	43	132732	51.958	ug/l	99
38) Carbon Tetrachloride	8.10	117	352718	55.229	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	413937	53.631	ug/l	97
40) Benzene	8.36	78	971395	56.255	ug/l	99
41) Methacrylonitrile	7.53	41	74027m	52.599	ug/l	
42) 1,2-Dichloroethane	8.43	62	263985	53.654	ug/l	98
43) Isopropyl Acetate	8.46	43	250271	51.214	ug/l	99
44) Trichloroethene	9.11	130	263109	53.085	ug/l	100
45) 1,2-Dichloropropane	9.39	63	234887	56.735	ug/l	98
46) Dibromomethane	9.48	93	120679	55.471	ug/l	98
47) Bromodichloromethane	9.67	83	321390	56.067	ug/l	97
48) Methyl methacrylate	9.46	41	119334	50.748	ug/l	98
49) 1,4-Dioxane	9.47	88	27831	1080.085	ug/l	98
51) 4-Methyl-2-Pentanone	10.24	43	656646	272.996	ug/l	100
52) Toluene	10.41	92	616560	55.945	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	303282	54.341	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	364625	54.625	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	165565	55.484	ug/l	96
56) Ethyl methacrylate	10.67	69	205512	54.431	ug/l	98
57) 1,3-Dichloropropane	10.96	76	286855	54.668	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	314288	258.263	ug/l	100
59) 2-Hexanone	10.99	43	515482	302.557	ug/l	100
60) Dibromochloromethane	11.14	129	218564	56.548	ug/l	99
61) 1,2-Dibromoethane	11.25	107	158912	54.501	ug/l	99
64) Tetrachloroethene	10.88	164	230771	52.908	ug/l	96
65) Chlorobenzene	11.68	112	633756	53.980	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	237949	54.913	ug/l	99
67) Ethyl Benzene	11.75	91	1164936	54.614	ug/l	98
68) m/p-Xylenes	11.86	106	895385	109.981	ug/l	100
69) o-Xylene	12.19	106	400734	54.660	ug/l	99
70) Styrene	12.20	104	709064	55.648	ug/l	100
71) Bromoform	12.37	173	124932	53.565	ug/l #	99
73) Isopropylbenzene	12.48	105	1089166	52.748	ug/l	100
74) N-amyl acetate	12.30	43	224130	49.939	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	169810	52.253	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	120542m	52.923	ug/l	
77) Bromobenzene	12.77	156	254704	51.198	ug/l	99
78) n-propylbenzene	12.83	91	1299599	53.744	ug/l	99
79) 2-Chlorotoluene	12.91	91	710928	52.744	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	890062	52.689	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	60066	52.741	ug/l	97
82) 4-Chlorotoluene	13.01	91	747244	52.786	ug/l	99
83) tert-Butylbenzene	13.23	119	747860	51.316	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	887520	52.921	ug/l	100
85) sec-Butylbenzene	13.41	105	1065333	53.521	ug/l	99
86) p-Isopropyltoluene	13.53	119	990648	53.566	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	490442	52.653	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	481833	51.974	ug/l	99
89) n-Butylbenzene	13.85	91	916087	53.667	ug/l	100
90) Hexachloroethane	14.12	117	191057	54.556	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	413123	51.781	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	26159	49.310	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	280273	49.151	ug/l	99
94) Hexachlorobutadiene	15.28	225	174757	49.842	ug/l	100
95) Naphthalene	15.41	128	453083	47.805	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	239271	49.055	ug/l	100

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

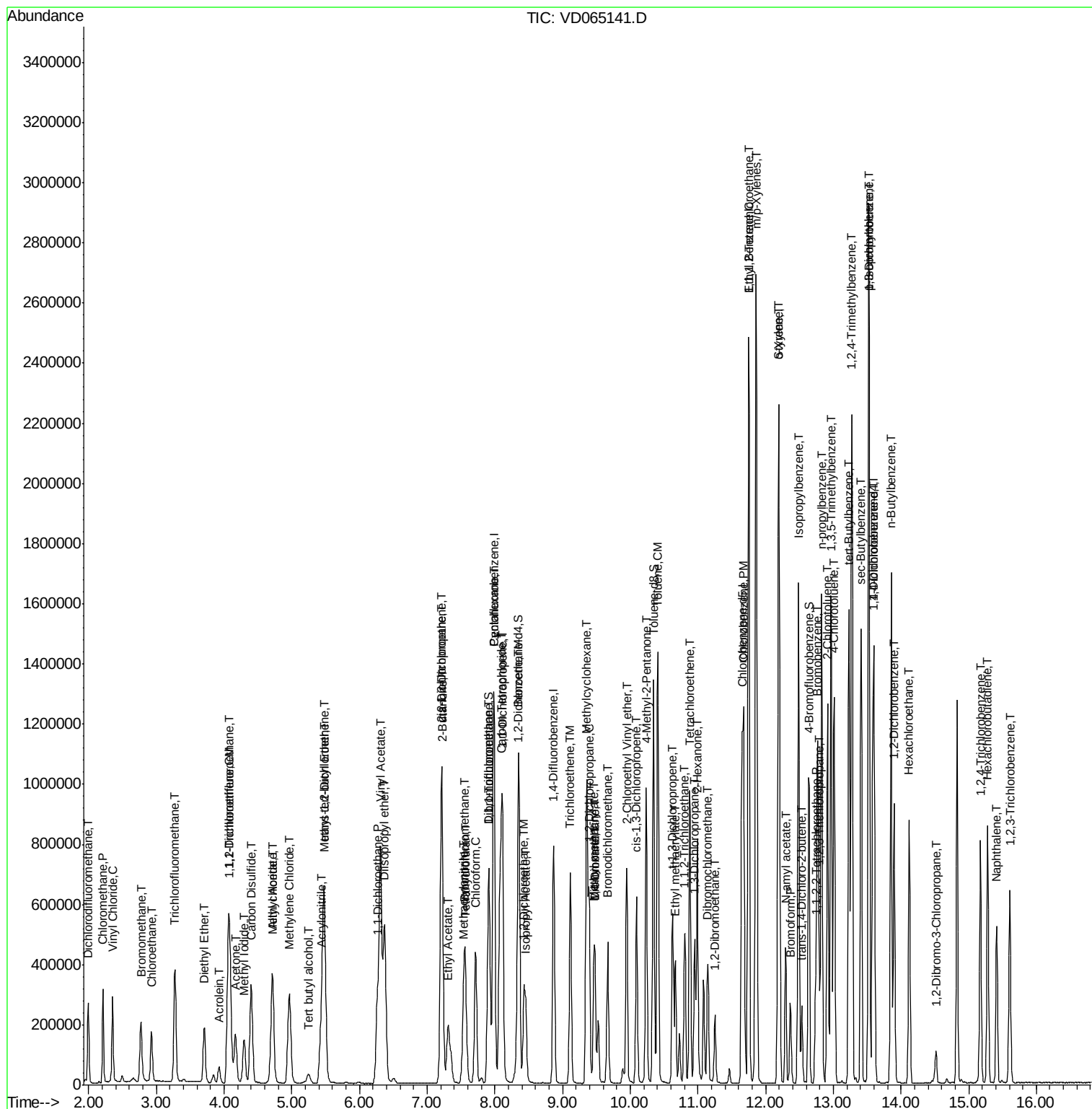
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD021120\
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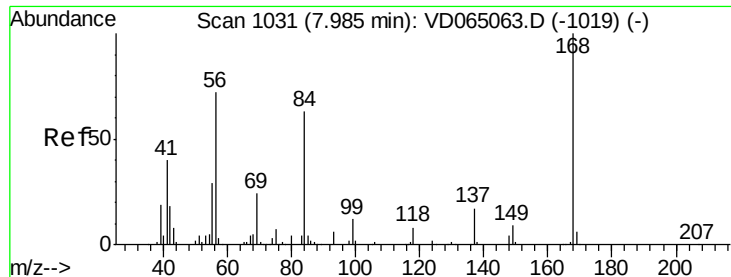
Instrument :
 MSVOA_D
 ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065141.D

Acq: 11 Feb 2020 10:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 469234

Ion Ratio Lower Upper

168 100

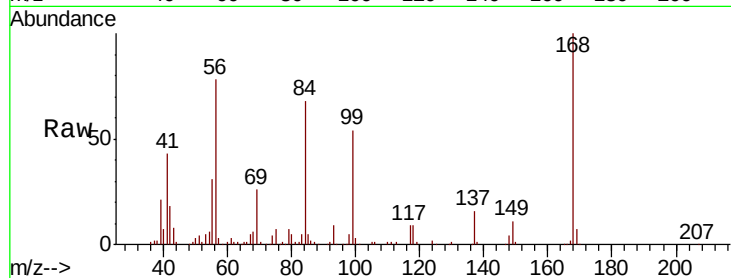
99 53.4 41.0 61.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

250000

200000

150000

100000

50000

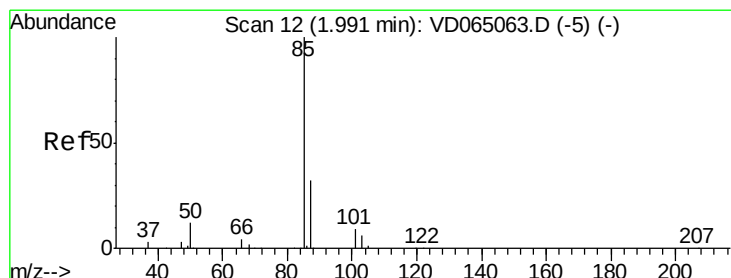
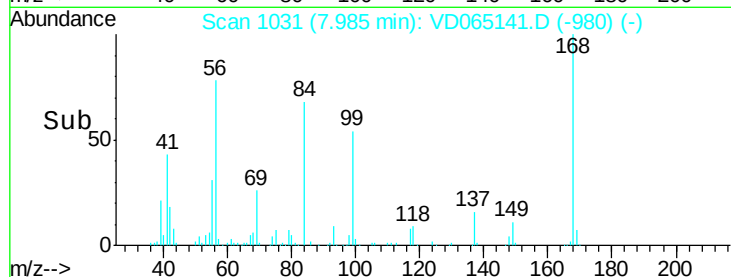
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 52.772 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065141.D

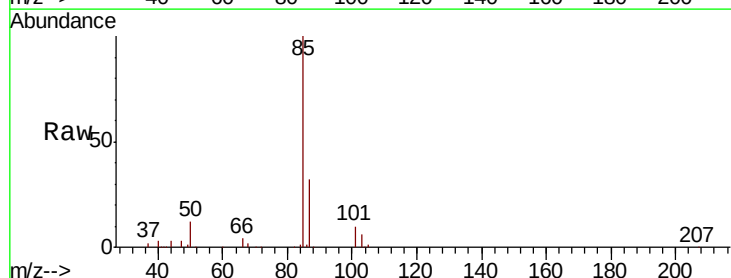
Acq: 11 Feb 2020 10:32

Tgt Ion: 85 Resp: 206065

Ion Ratio Lower Upper

85 100

87 32.2 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

150000

100000

50000

0

1.90

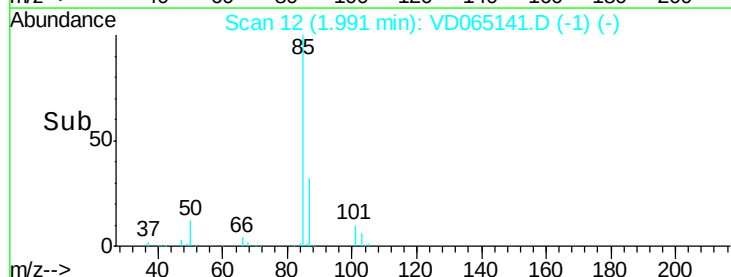
1.95

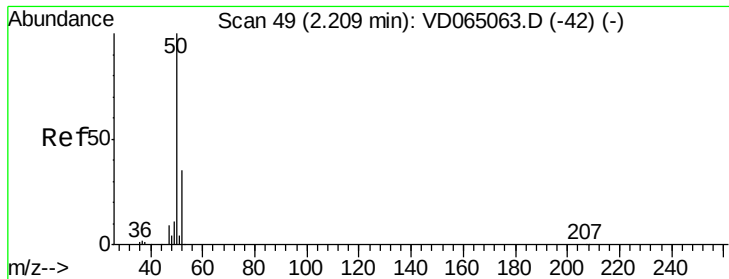
2.00

2.05

2.10

Time-->





#3

Chloromethane

Concen: 55.095 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065141.D

Acq: 11 Feb 2020 10:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 253249

Ion Ratio Lower Upper

50 100

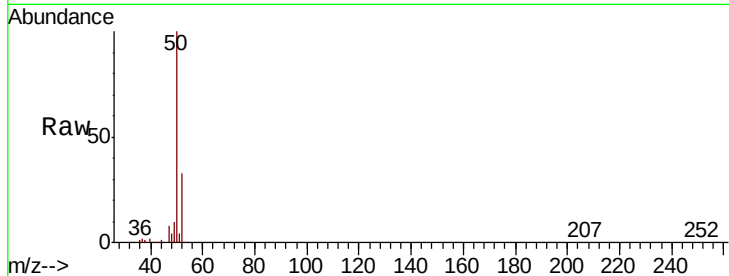
52 32.6 27.8 41.6

Manual Integrations

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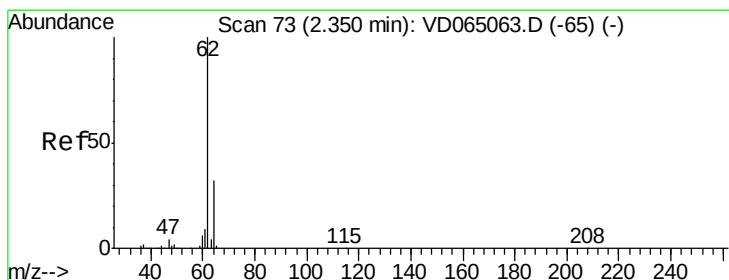
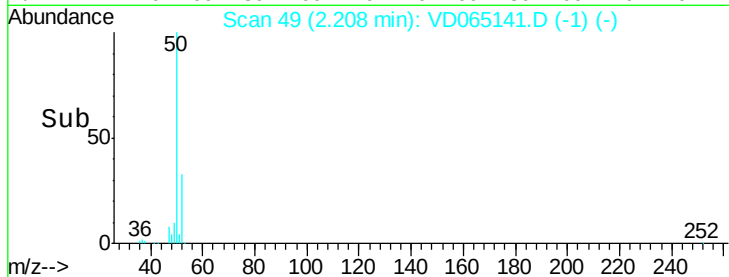
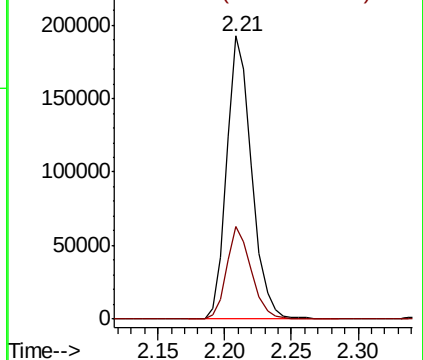
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 54.219 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065141.D

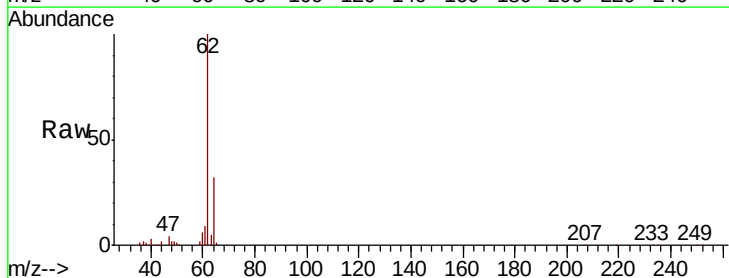
Acq: 11 Feb 2020 10:32

Tgt Ion: 62 Resp: 263571

Ion Ratio Lower Upper

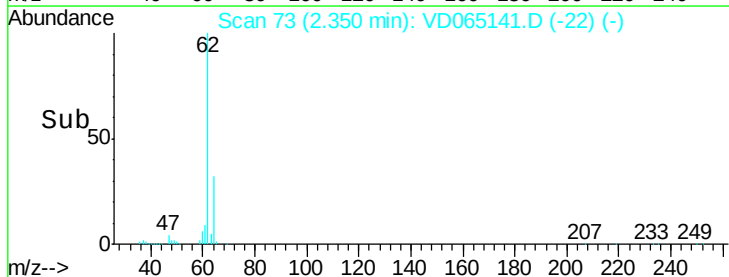
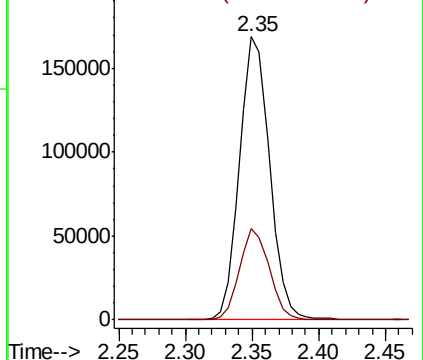
62 100

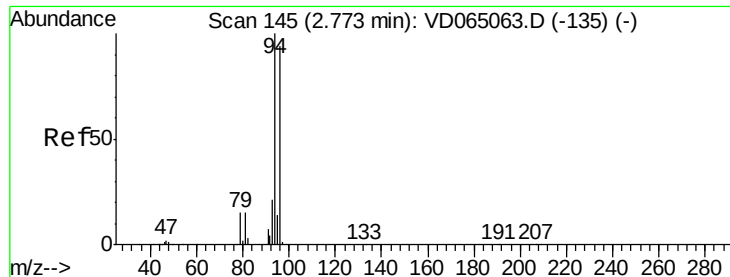
64 32.3 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 50.400 ug/l

RT: 2.77 min Scan# 145

Delta R.T. -0.00 min

Lab File: VD065141.D

Acq: 11 Feb 2020 10:32

Instrument :

MSVOA_D

ClientSampleId :

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Tot Ion: 94 Resp: 158860

Ion Ratio Lower Upper

94 100

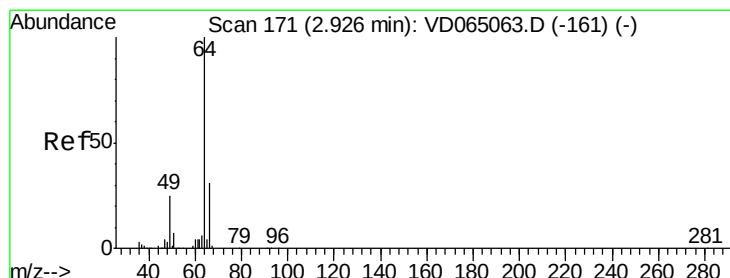
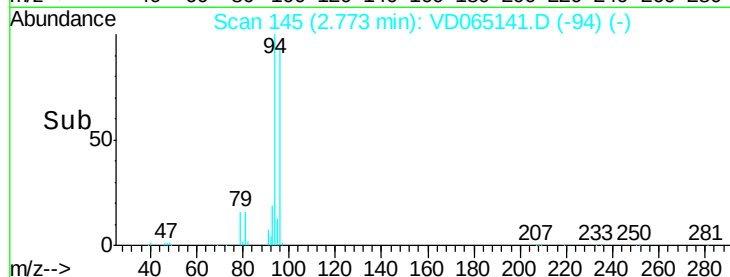
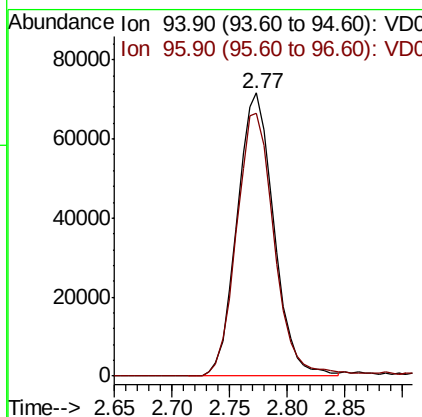
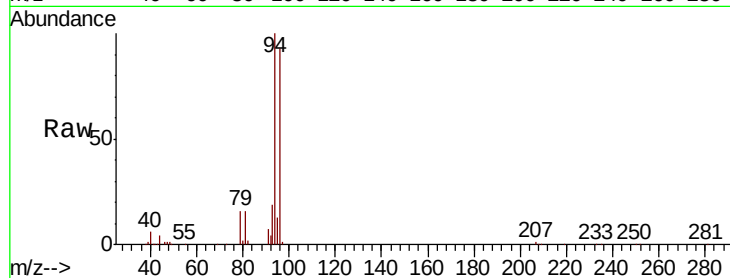
96 92.7 75.4 113.0

Manual Integrations

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#6

Chloroethane

Concen: 54.284 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD065141.D

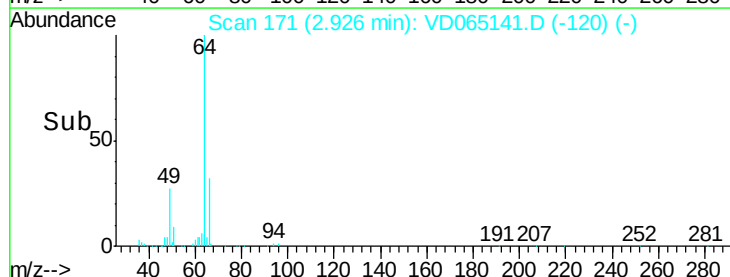
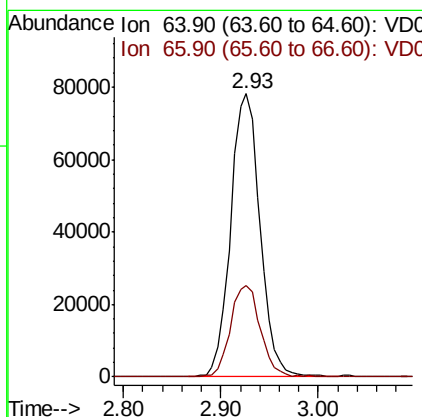
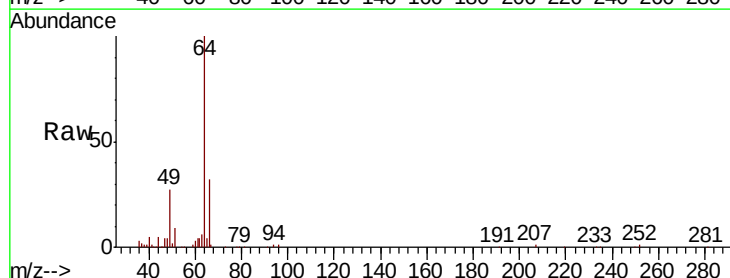
Acq: 11 Feb 2020 10:32

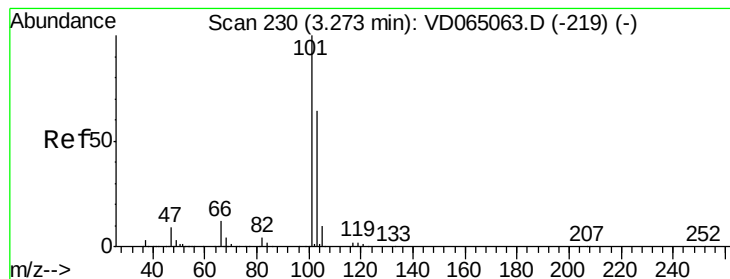
Tgt Ion: 64 Resp: 163691

Ion Ratio Lower Upper

64 100

66 32.2 24.8 37.2





#7

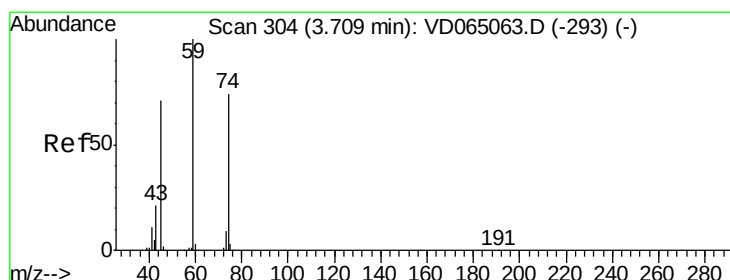
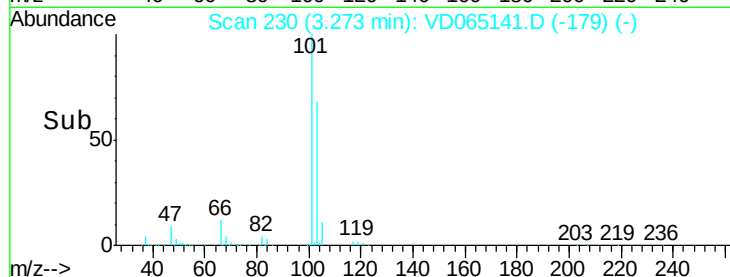
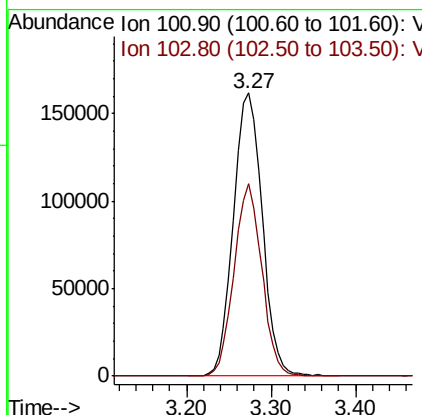
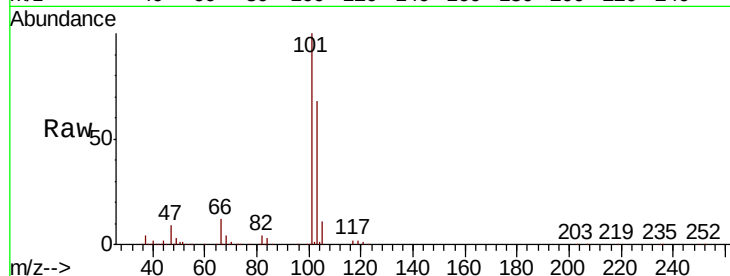
Trichlorofluoromethane
Concen: 54.143 ug/l
RT: 3.27 min Scan# 230
Delta R.T. -0.00 min
Lab File: VD065141.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	67.9	51.0	76.6

Manual Integrations
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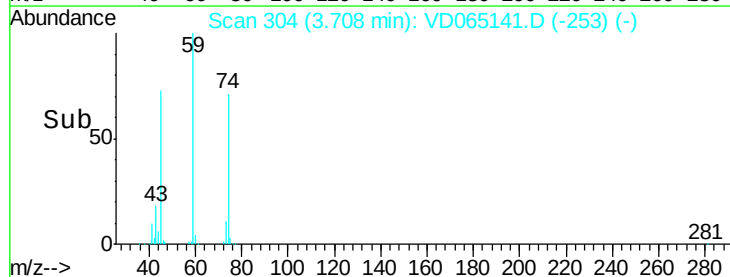
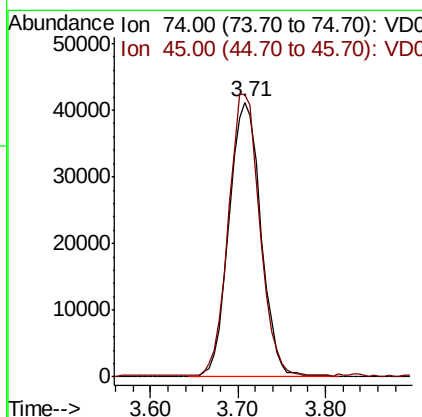
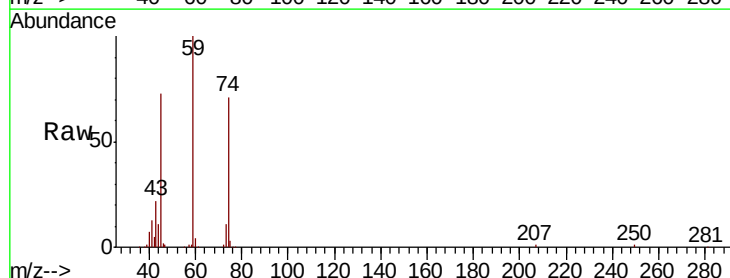
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2/12/2020 3:12:41 PM

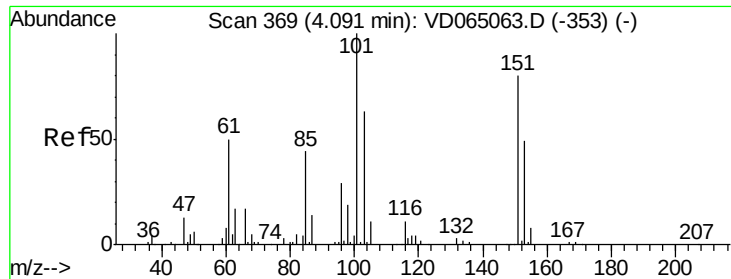


#8

Diethyl Ether
Concen: 50.097 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD065141.D
Acq: 11 Feb 2020 10:32

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.0	49.0	147.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.785 ug/l

RT: 4.08 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065141.D

Acq: 11 Feb 2020 10:32

Instrument :

MSVOA_D

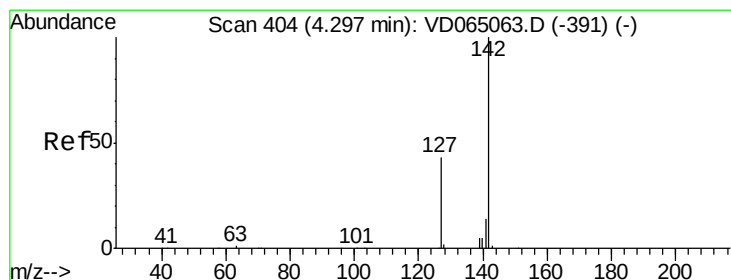
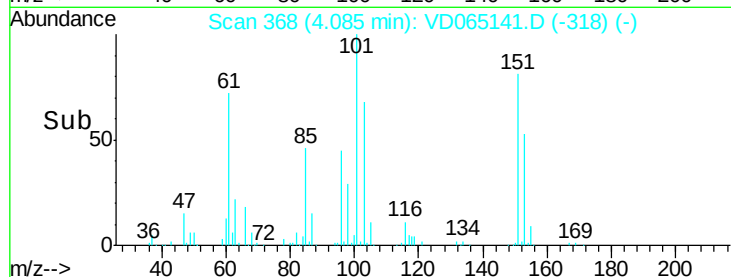
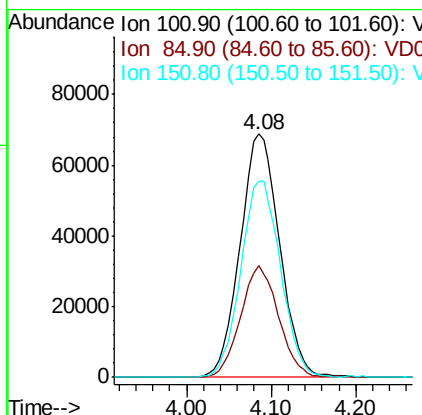
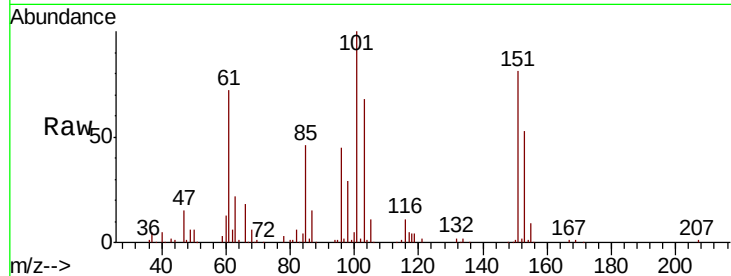
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	223963
Ion Ratio	Lower	Upper	
101	100		
85	44.1	34.0	51.0
151	81.4	64.0	96.0

Manual Integrations
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#10

Methyl Iodide

Concen: 49.279 ug/l

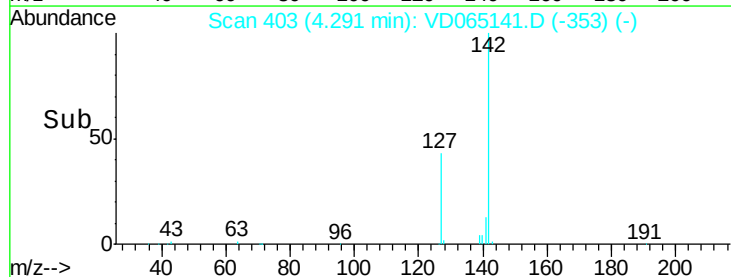
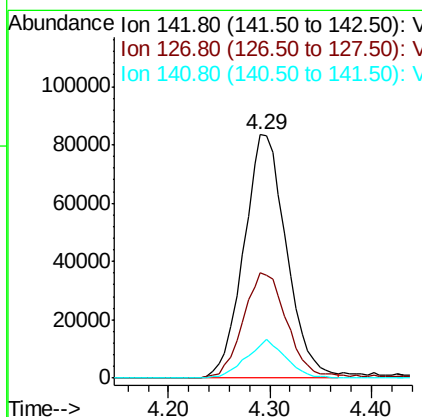
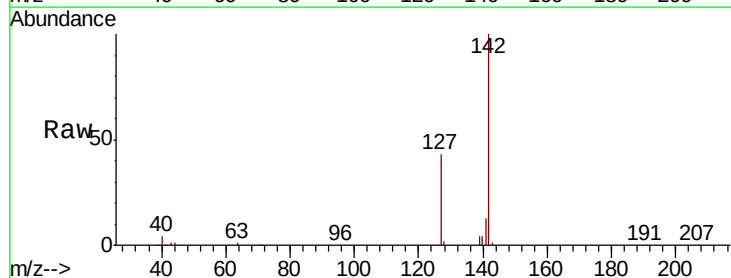
RT: 4.29 min Scan# 403

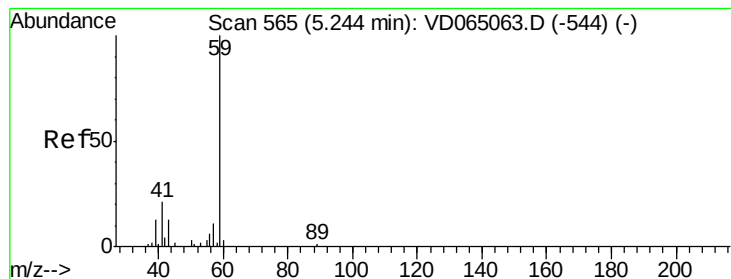
Delta R.T. -0.01 min

Lab File: VD065141.D

Acq: 11 Feb 2020 10:32

Tgt Ion:	142	Resp:	243255
Ion Ratio	Lower	Upper	
142	100		
127	44.7	34.0	51.0
141	14.6	11.6	17.4





#11

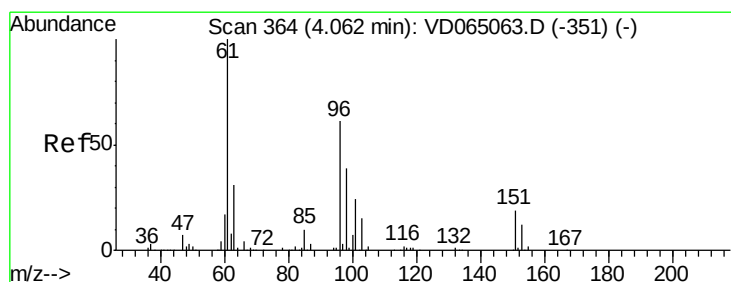
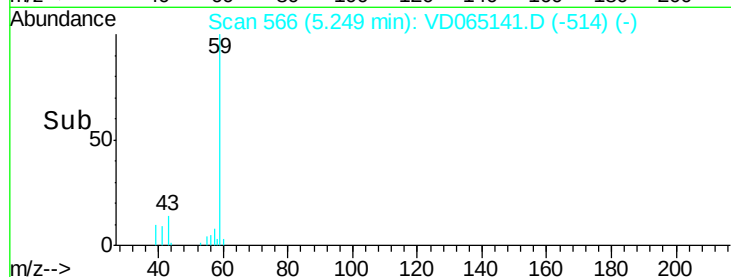
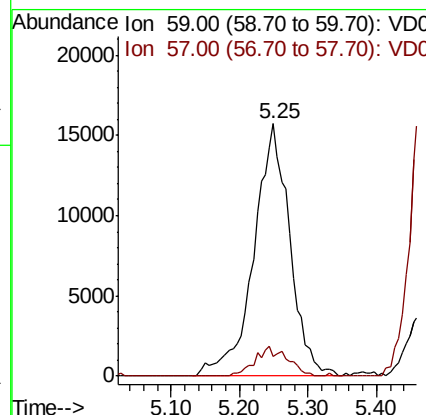
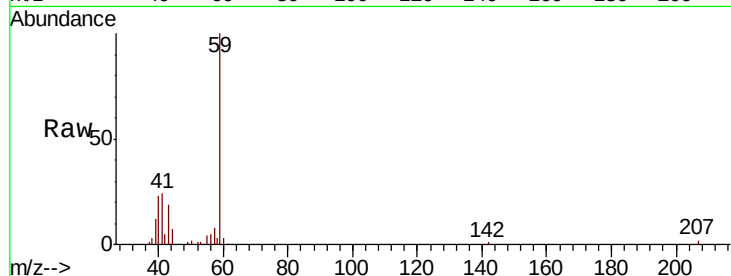
Tert butyl alcohol
Concen: 235.822 ug/l
RT: 5.25 min Scan# 566
Delta R.T. 0.01 min
Lab File: VD065141.D
Acq: 11 Feb 2020 10:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	59.00	Resp	57462
Ion Ratio	100	Lower	Upper
59	100		
57	10.5	8.8	13.2

Manual Integrations
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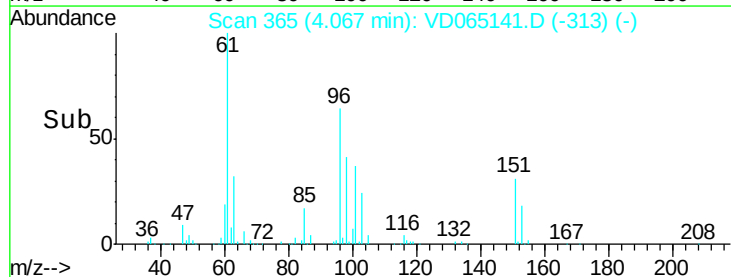
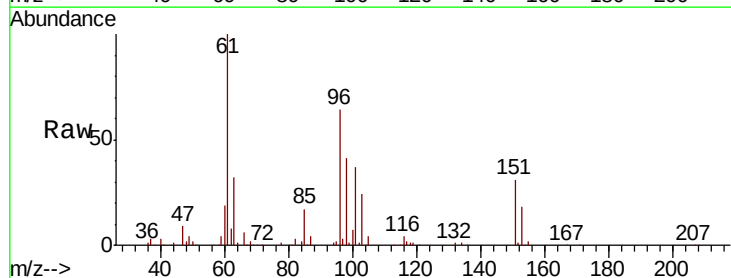
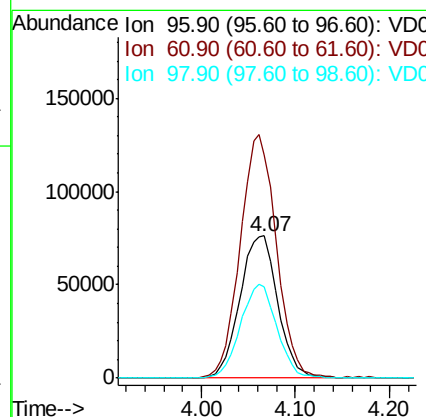
MMDadoda
2/12/2020 3:12:41 PM

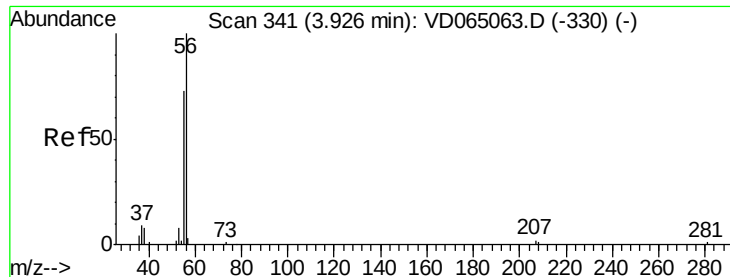


#12

1,1-Dichloroethene
Concen: 51.420 ug/l
RT: 4.07 min Scan# 365
Delta R.T. 0.01 min
Lab File: VD065141.D
Acq: 11 Feb 2020 10:32

Tgt Ion	96	Resp	212982
Ion Ratio	100	Lower	Upper
96	100		
61	156.6	131.4	197.2
98	63.9	51.1	76.7





#13

Acrolein

Concen: 204.095 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD065141.D

Acq: 11 Feb 2020 10:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 61168

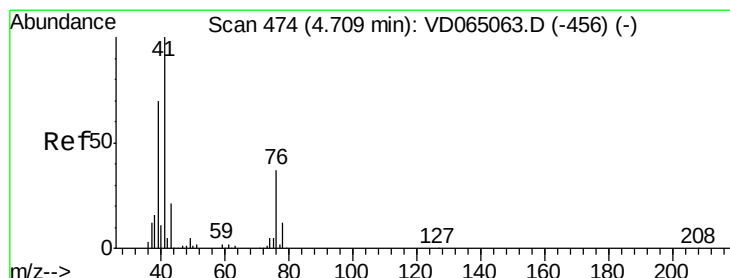
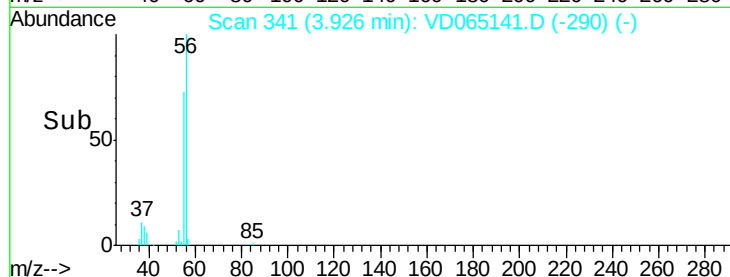
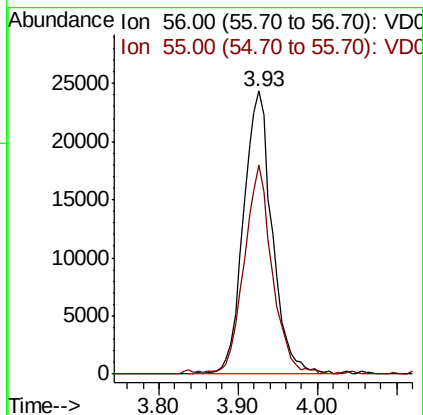
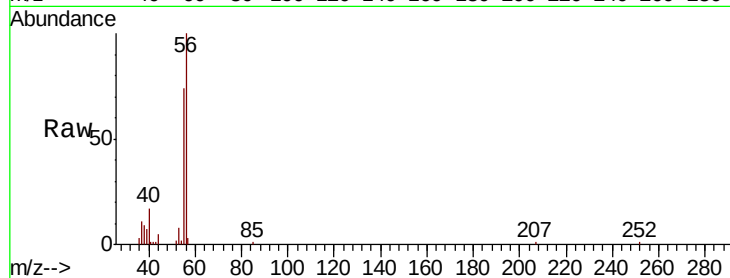
Ion Ratio Lower Upper

56 100

55 69.7 58.2 87.2

Manual Integrations
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#14

Allyl chloride

Concen: 51.494 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD065141.D

Acq: 11 Feb 2020 10:32

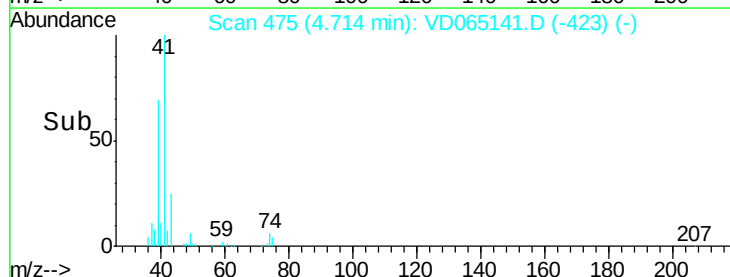
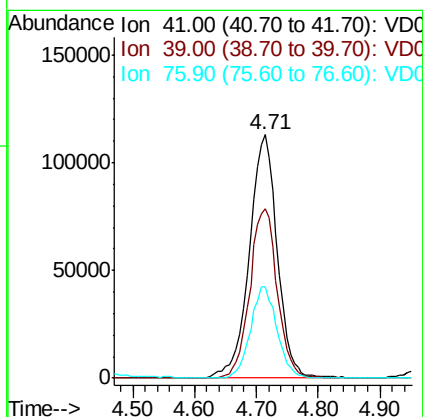
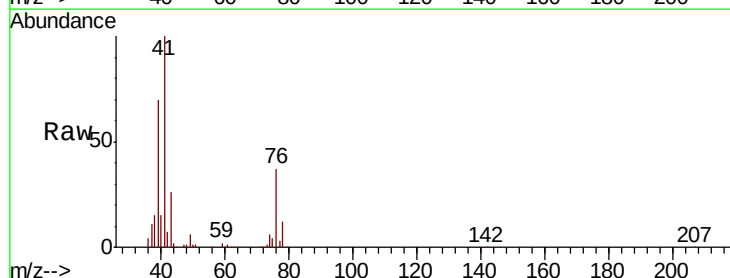
Tgt Ion: 41 Resp: 354484

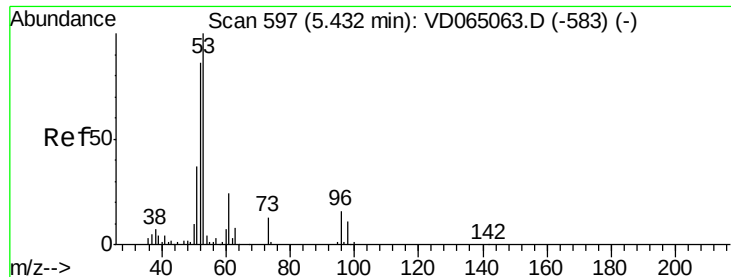
Ion Ratio Lower Upper

41 100

39 68.6 57.1 85.7

76 34.8 28.0 42.0





#15

Acrylonitrile

Concen: 252.730 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD065141.D

Acq: 11 Feb 2020 10:32

Instrument :

MSVOA_D

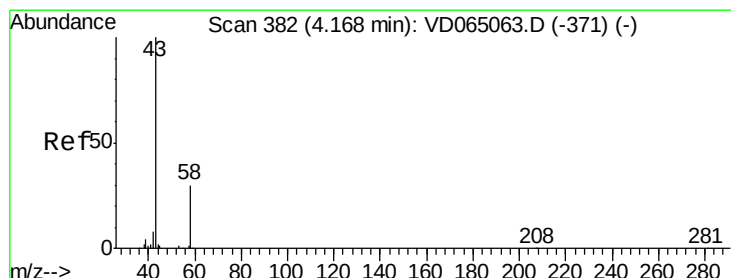
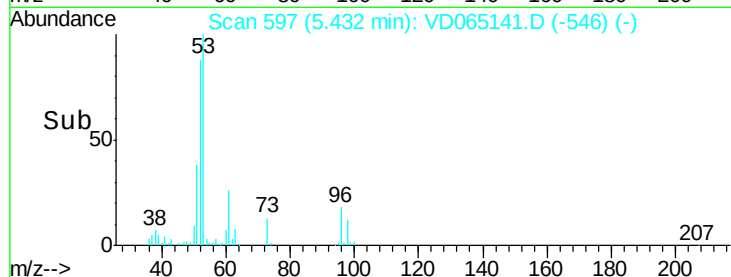
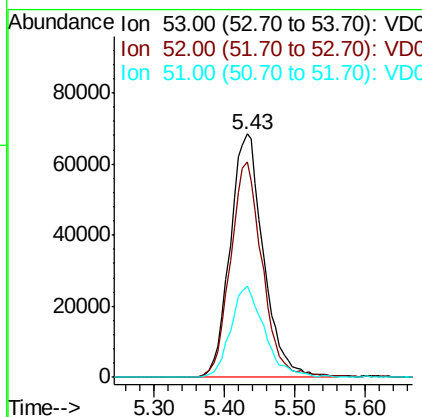
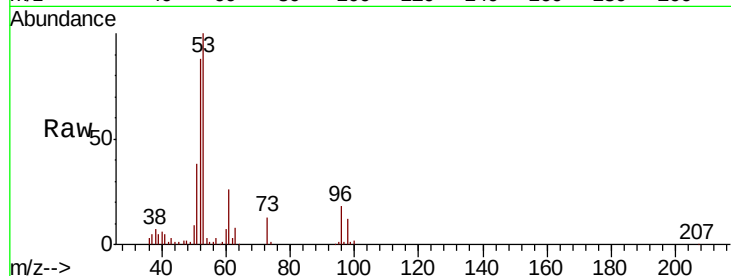
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
53	53	100	224399		
52	52	84.2		66.2	99.2
51	51	38.0		30.4	45.6

Manual Integrations
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#16

Acetone

Concen: 284.776 ug/l

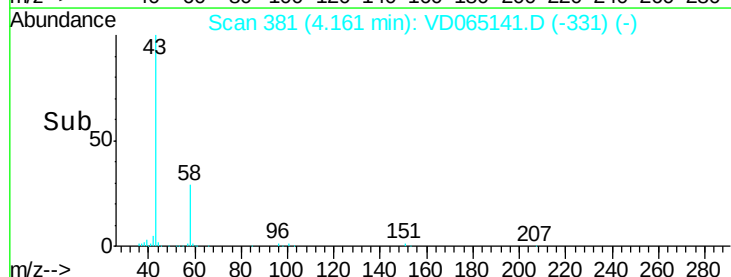
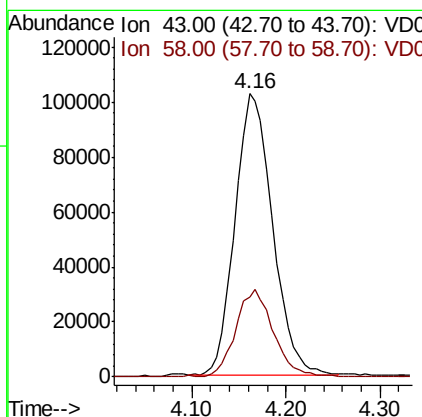
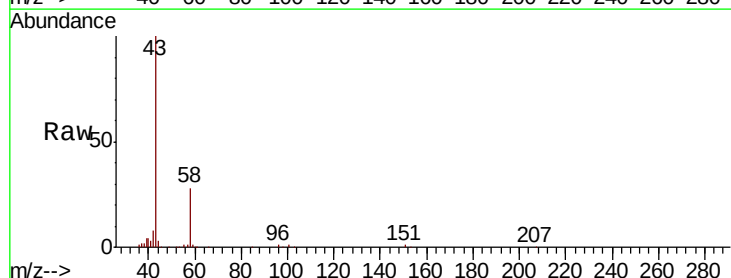
RT: 4.16 min Scan# 381

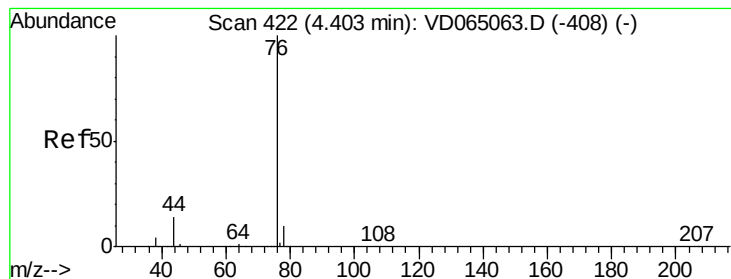
Delta R.T. -0.01 min

Lab File: VD065141.D

Acq: 11 Feb 2020 10:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
43	43	100	283948		
58	58	28.2		23.5	35.3





#17

Carbon Disulfide

Concen: 52.457 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.00 min

Lab File: VD065141.D

Acq: 11 Feb 2020 10:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 697634

Ion Ratio Lower Upper

76 100

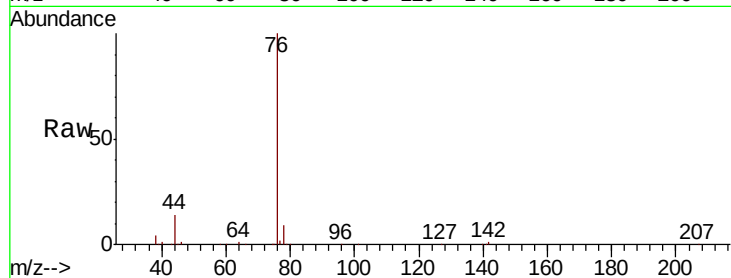
78 9.2 7.6 11.4

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

250000

200000

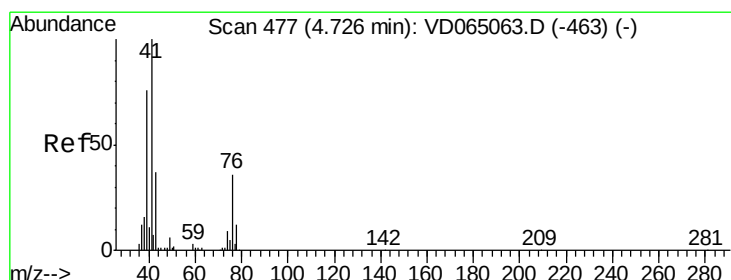
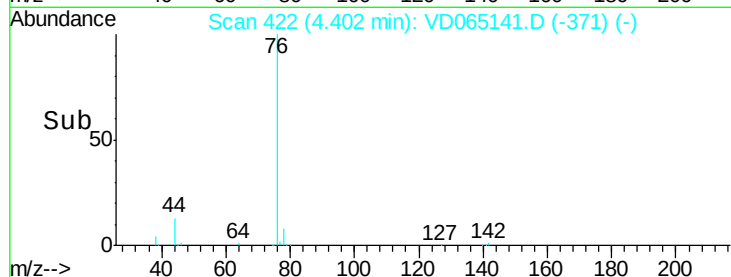
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 50.626 ug/l

RT: 4.73 min Scan# 477

Delta R.T. -0.00 min

Lab File: VD065141.D

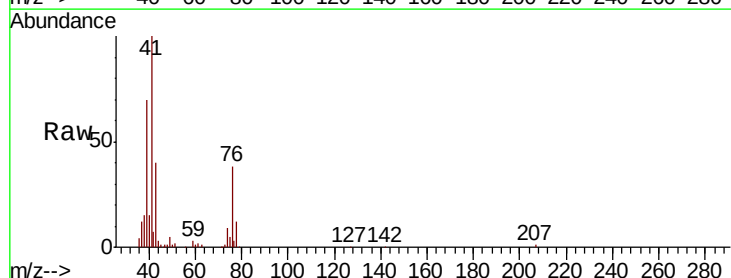
Acq: 11 Feb 2020 10:32

Tgt Ion: 43 Resp: 105465

Ion Ratio Lower Upper

43 100

74 22.9 18.7 28.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.73

40000

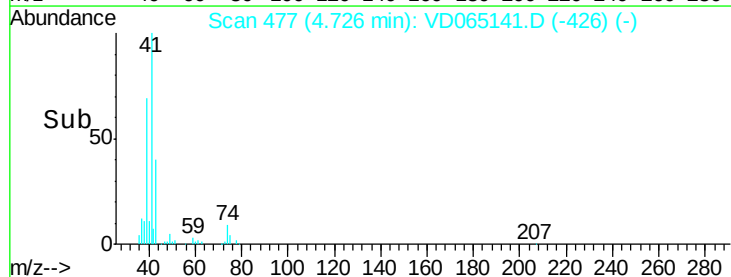
30000

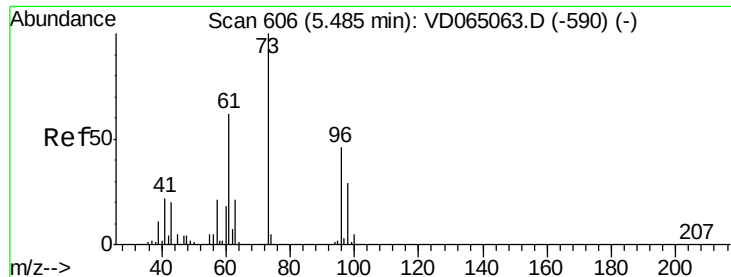
20000

10000

0

Time-->





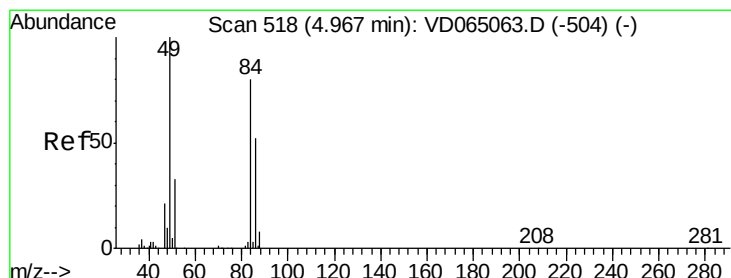
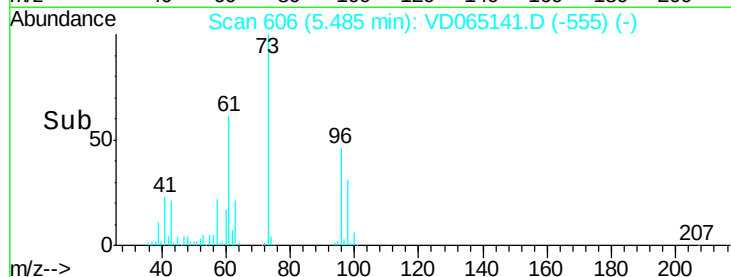
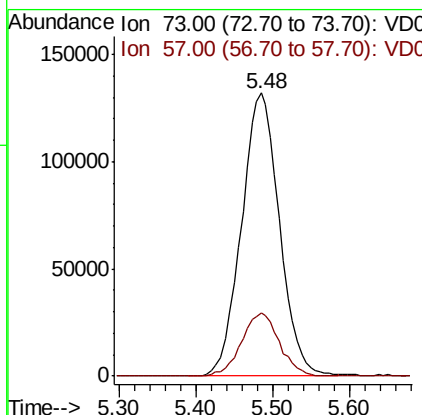
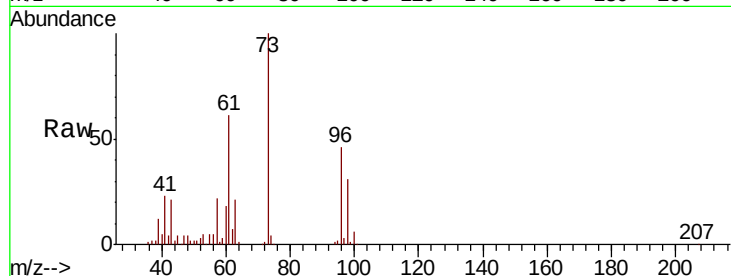
#19
Methyl tert-butyl Ether
Concen: 49.624 ug/l
RT: 5.48 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD065141.D
Acq: 11 Feb 2020 10:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 454528
Ion Ratio Lower Upper
73 100
57 22.3 16.8 25.2

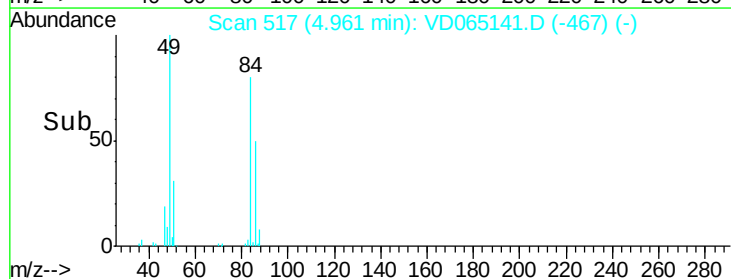
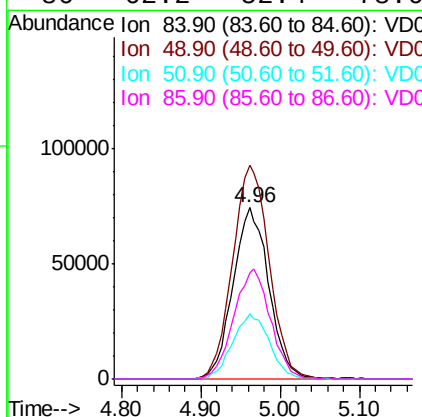
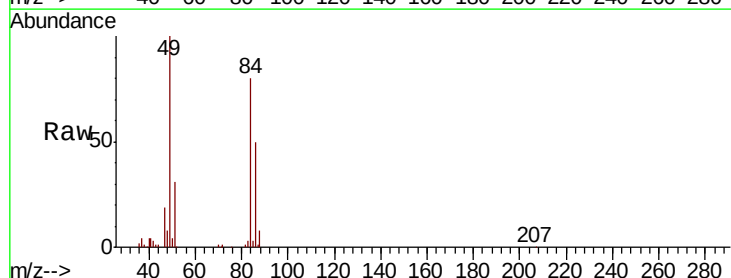
Manual Integrations
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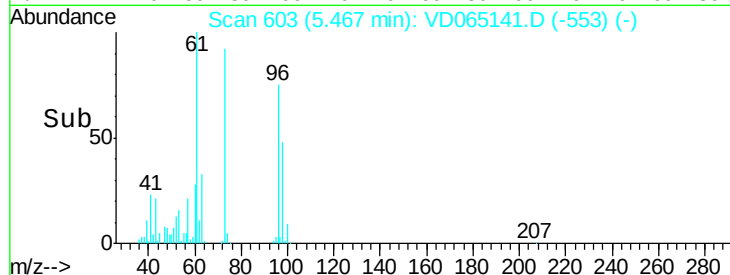
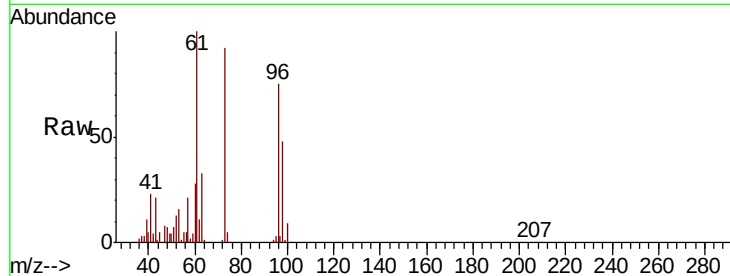
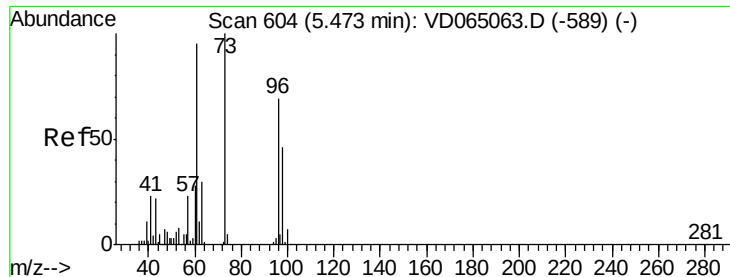
MMDadoda
2/12/2020 3:12:41 PM



#20
Methylene Chloride
Concen: 53.560 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065141.D
Acq: 11 Feb 2020 10:32

Tgt Ion: 84 Resp: 233916
Ion Ratio Lower Upper
84 100
49 124.9 100.4 150.6
51 38.3 32.7 49.1
86 62.2 52.4 78.6





#21

trans-1,2-Dichloroethene

Concen: 52.563 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065141.D

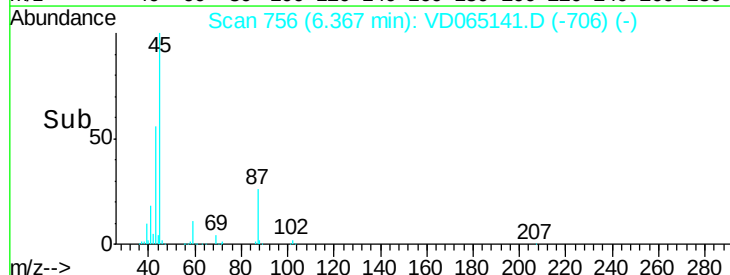
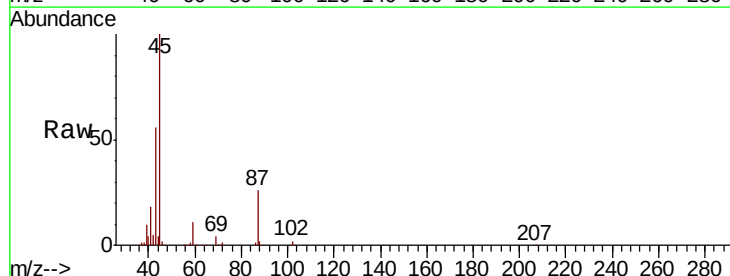
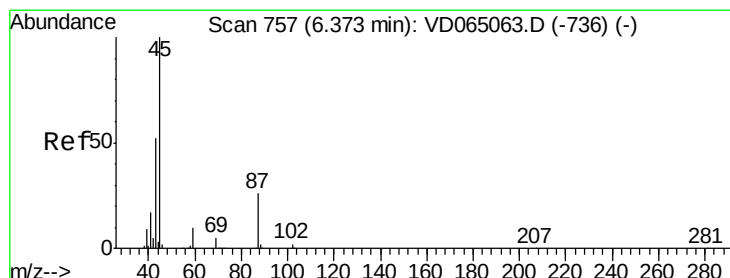
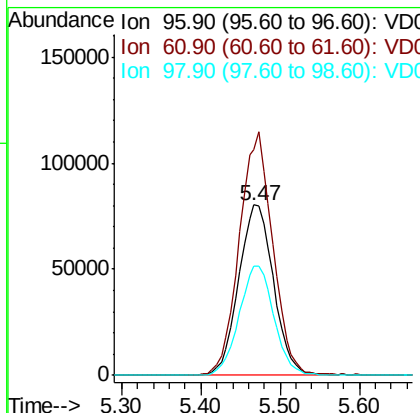
Acq: 11 Feb 2020 10:32

Tot Ion:	96	Resp:	246321
Ion	Ratio	Lower	Upper
96	100		
61	132.6	109.5	164.3
98	64.1	53.7	80.5

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Manual Integrations
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#22

Diisopropyl ether

Concen: 53.582 ug/l

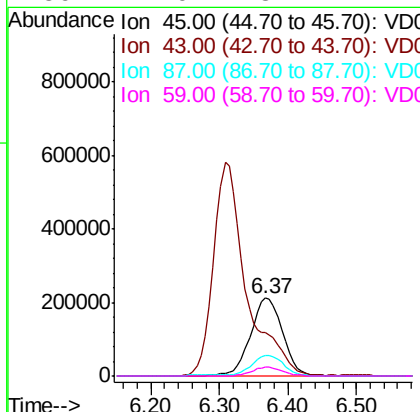
RT: 6.37 min Scan# 756

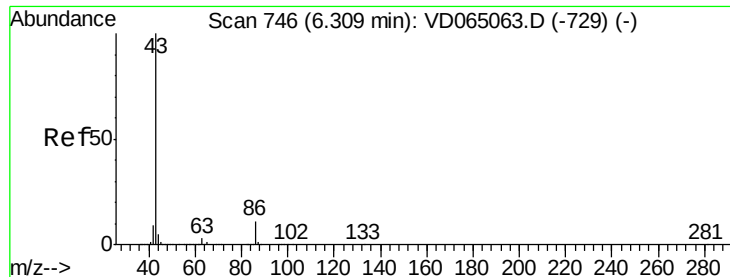
Delta R.T. -0.01 min

Lab File: VD065141.D

Acq: 11 Feb 2020 10:32

Tgt Ion:	45	Resp:	695752
Ion	Ratio	Lower	Upper
45	100		
43	55.4	41.3	61.9
87	26.1	21.0	31.6
59	11.0	8.2	12.4





#23

Vinyl Acetate

Concen: 267.143 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD065141.D

Acq: 11 Feb 2020 10:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1933434

Ion Ratio Lower Upper

43 100

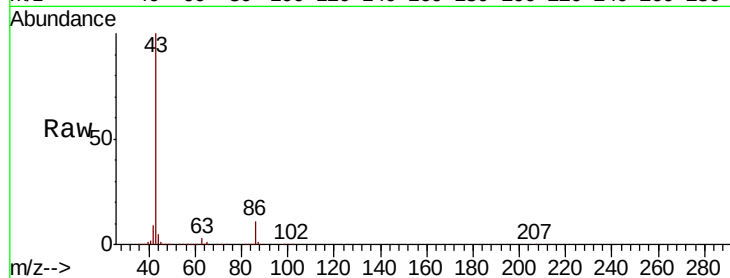
86 10.8 8.5 12.7

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

600000

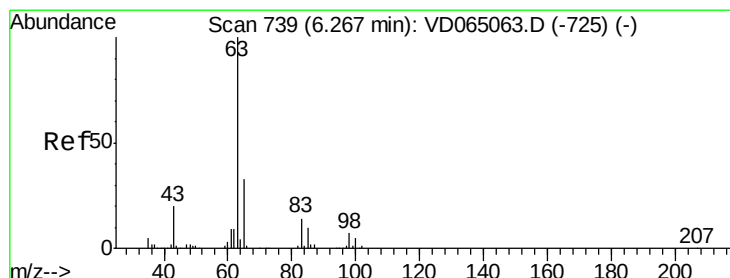
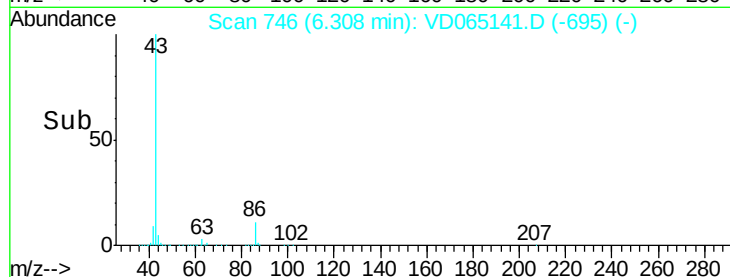
400000

200000

0

6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 53.647 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD065141.D

Acq: 11 Feb 2020 10:32

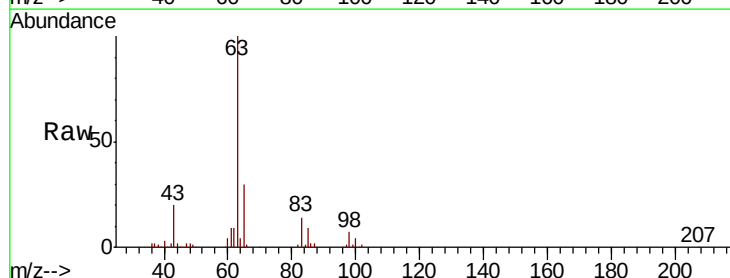
Tgt Ion: 63 Resp: 421637

Ion Ratio Lower Upper

63 100

98 7.2 3.5 10.4

100 4.3 2.5 7.6



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

150000

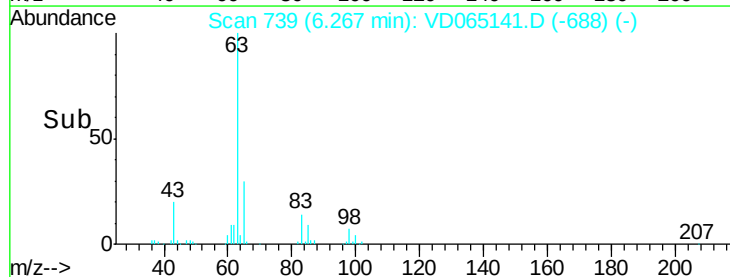
100000

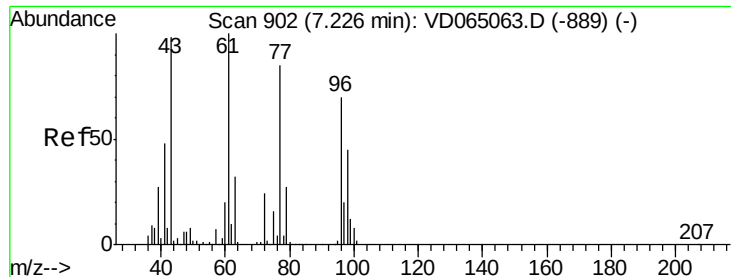
50000

0

6.10 6.20 6.30 6.40

Time-->





#25

2-Butanone

Concen: 271.825 ug/l

RT: 7.23 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD065141.D

Acq: 11 Feb 2020 10:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 323304

Ion Ratio Lower Upper

43 100

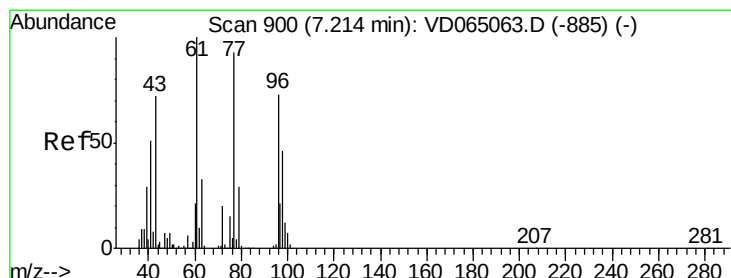
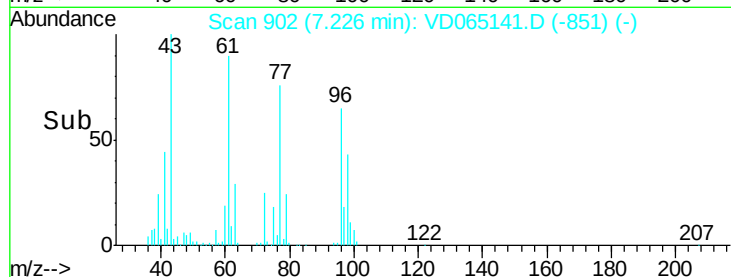
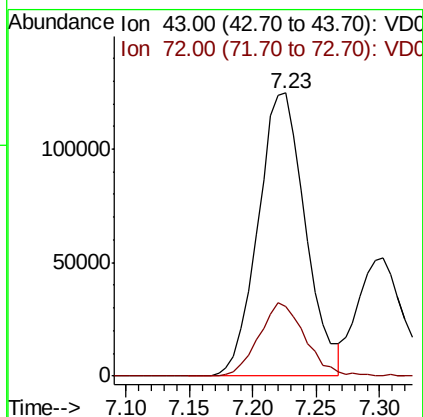
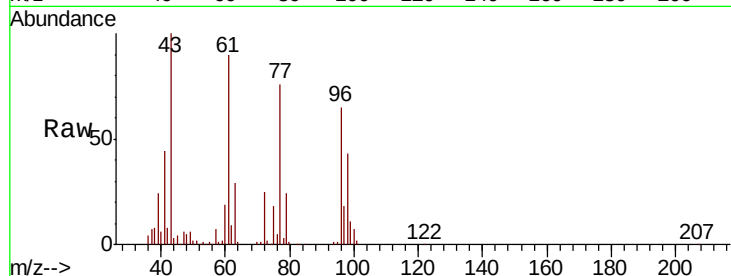
72 24.8 19.9 29.9

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 54.133 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065141.D

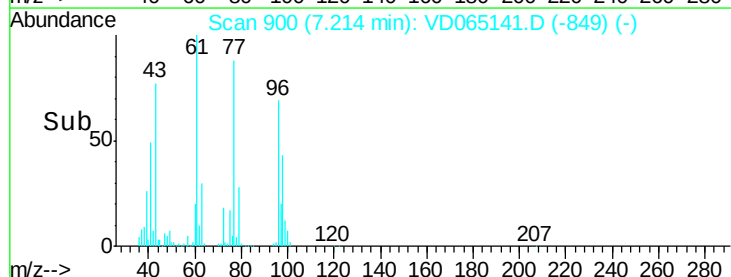
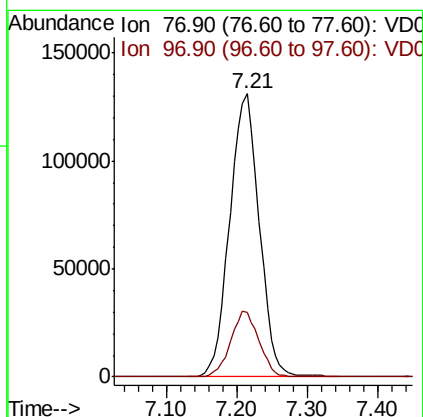
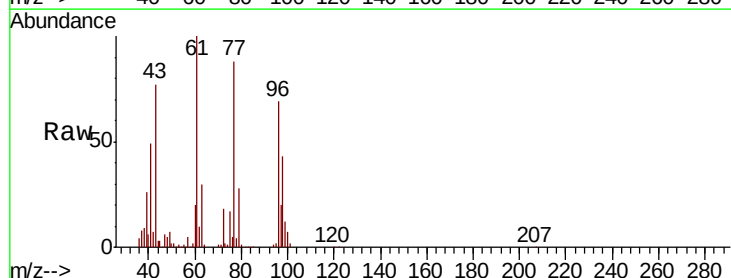
Acq: 11 Feb 2020 10:32

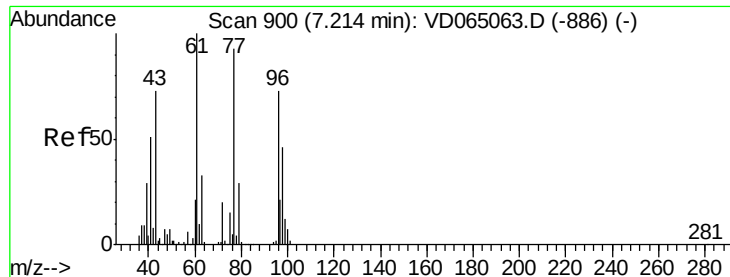
Tgt Ion: 77 Resp: 381348

Ion Ratio Lower Upper

77 100

97 22.3 10.9 32.6





#27

cis-1,2-Dichloroethene

Concen: 52.250 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065141.D

Acq: 11 Feb 2020 10:32

Instrument :

MSVOA_D

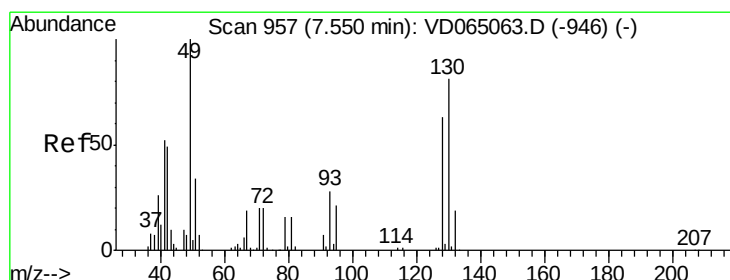
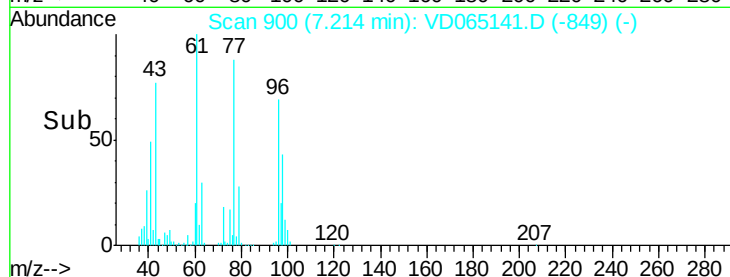
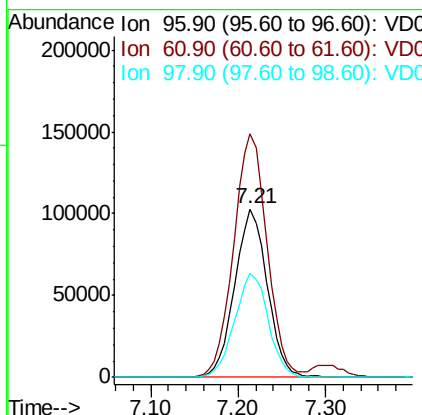
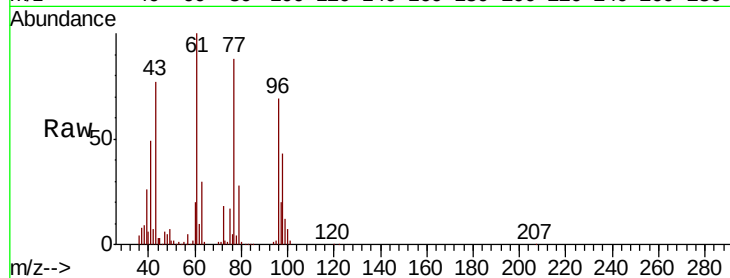
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	260124
Ion	Ratio	Lower	Upper
96	100		
61	148.0	0.0	292.8
98	63.9	0.0	128.8

Manual Integrations
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#28

Bromochloromethane

Concen: 55.483 ug/l

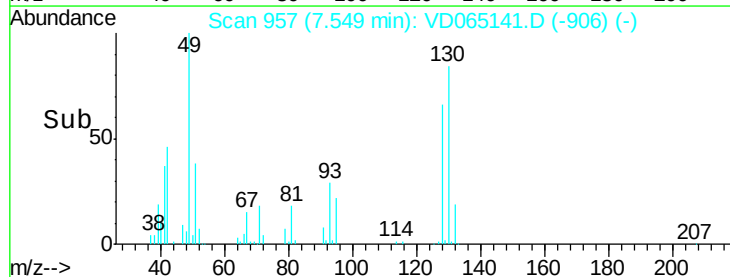
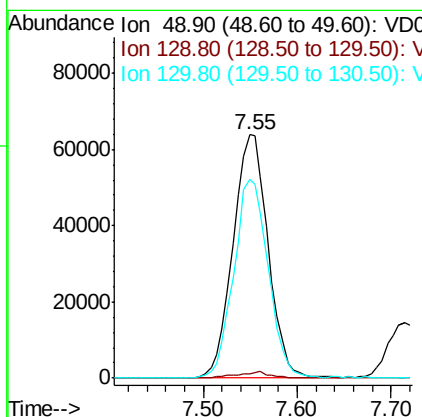
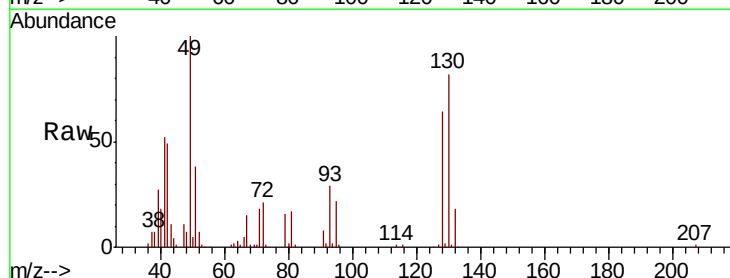
RT: 7.55 min Scan# 957

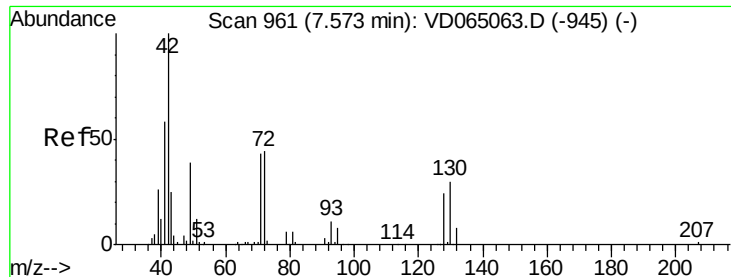
Delta R.T. -0.00 min

Lab File: VD065141.D

Acq: 11 Feb 2020 10:32

Tgt Ion:	49	Resp:	165301
Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.4
130	80.3	63.8	95.8





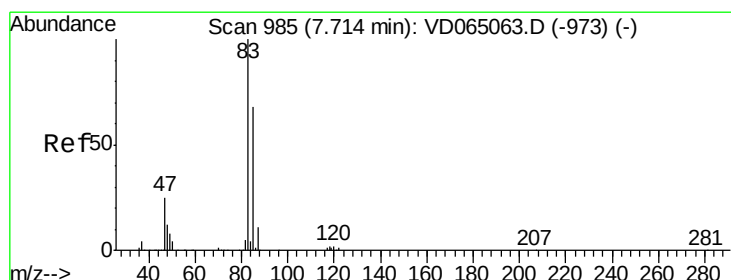
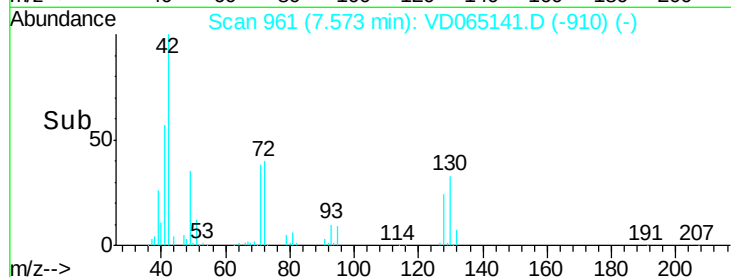
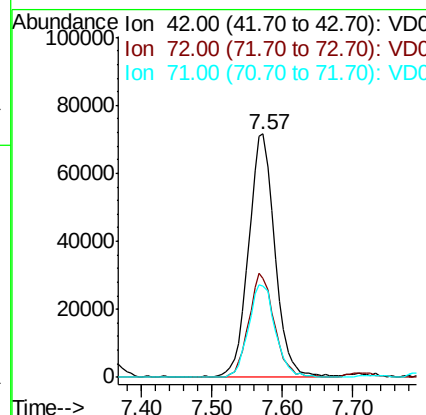
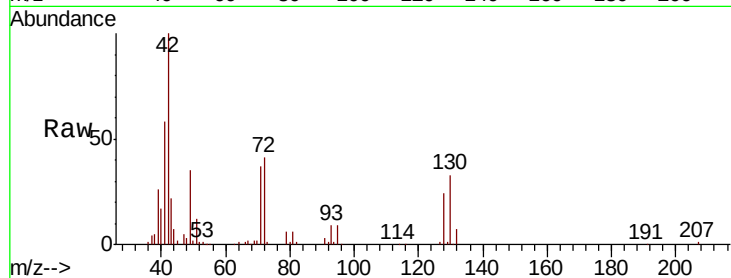
#29
Tetrahydrofuran
Concen: 260.267 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD065141.D
Acq: 11 Feb 2020 10:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.2	34.2	51.4
71	38.5	31.8	47.6

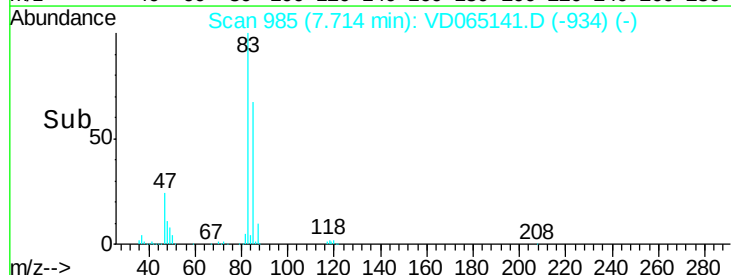
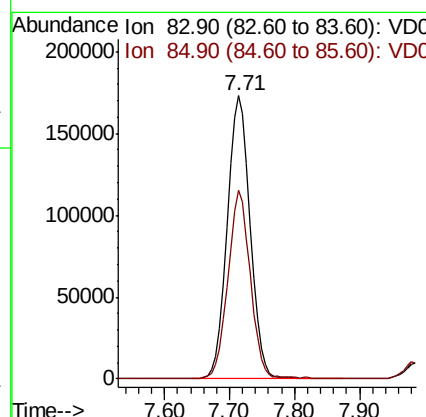
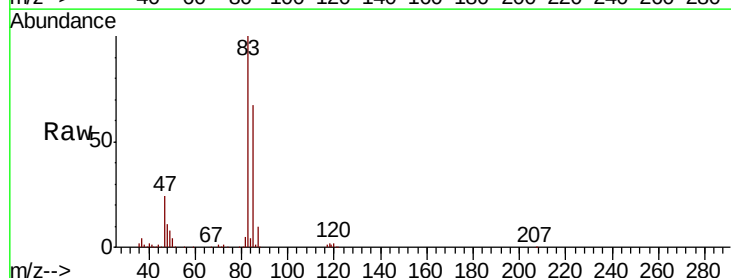
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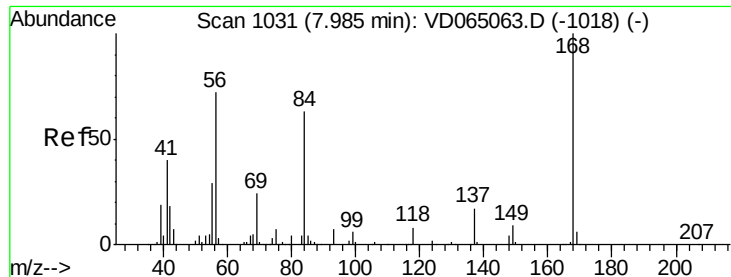
MMDadoda
2/12/2020 3:12:41 PM



#30
Chloroform
Concen: 54.041 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD065141.D
Acq: 11 Feb 2020 10:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.8	54.2	81.4





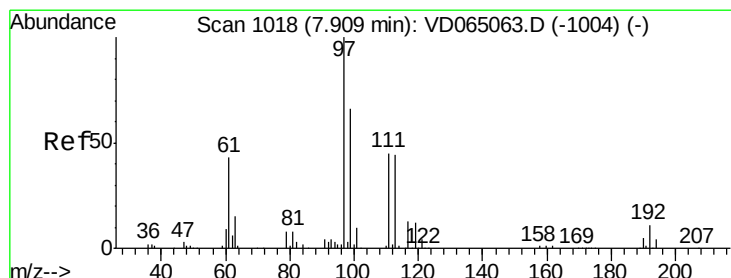
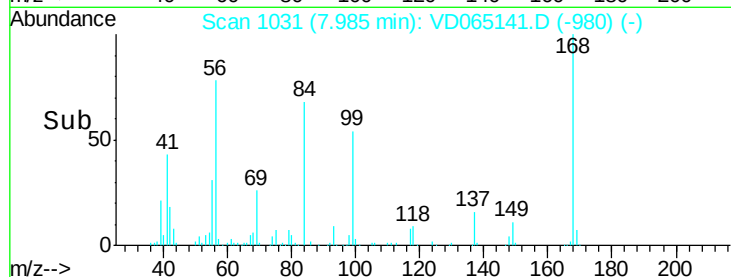
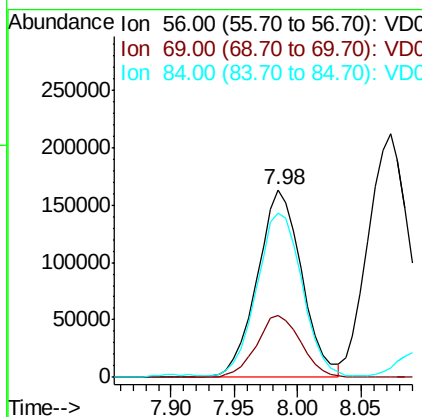
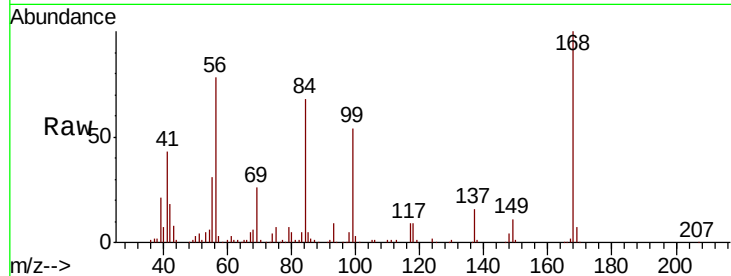
#31
Cyclohexane
Concen: 50.321 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065141.D
Acq: 11 Feb 2020 10:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.1	26.6	40.0
84	85.6	70.6	106.0

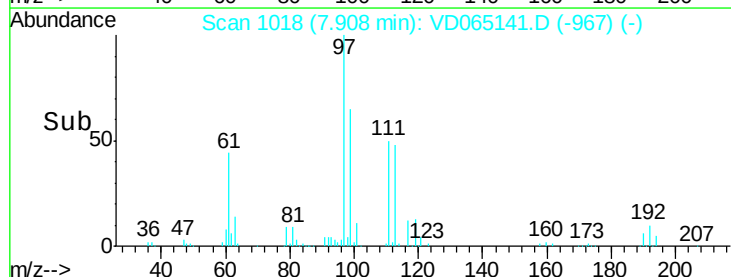
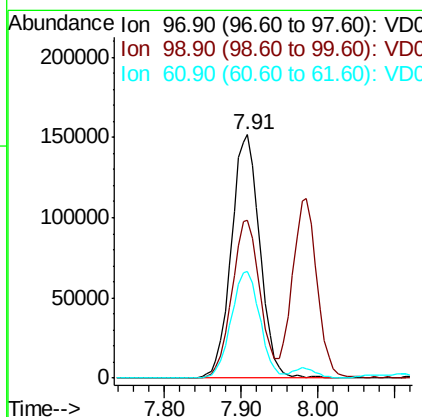
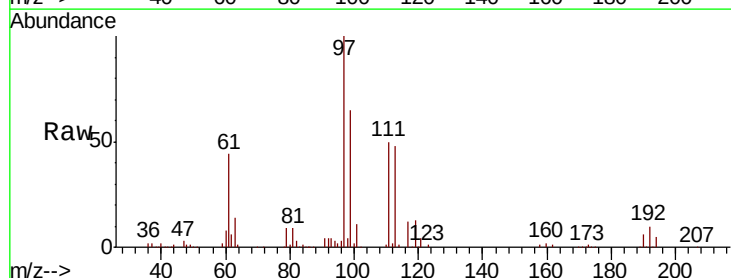
Manual Integrations
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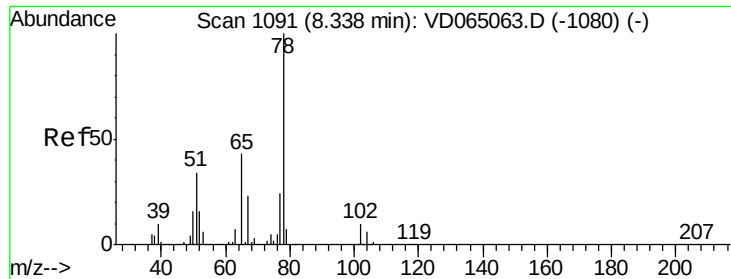
MMDadoda
2/12/2020 3:12:41 PM



#32
1,1,1-Trichloroethane
Concen: 53.912 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VD065141.D
Acq: 11 Feb 2020 10:32

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.5	77.3
61	44.4	34.8	52.2





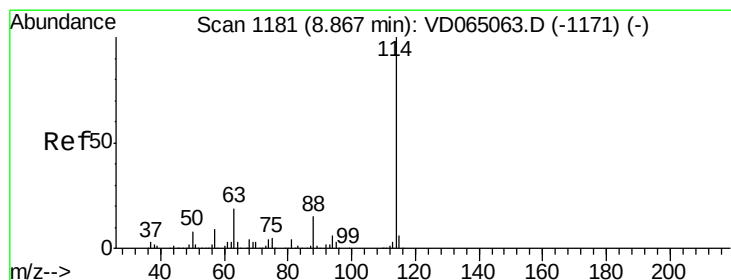
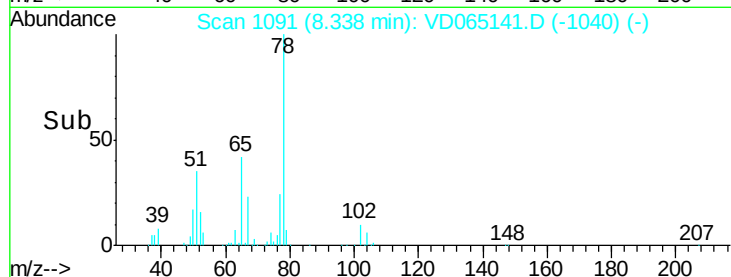
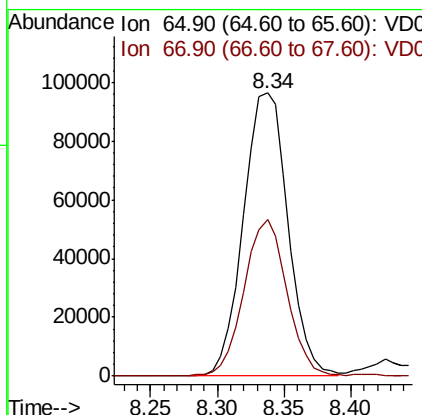
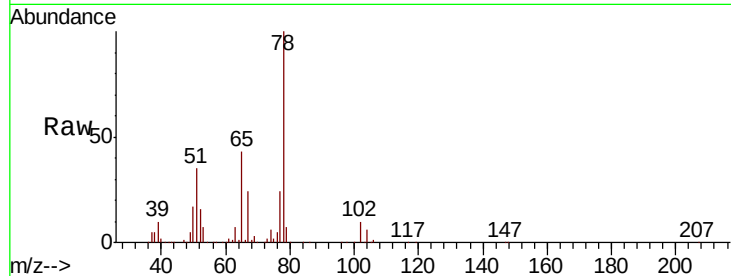
#33
 1,2-Dichloroethane-d4
 Concen: 55.815 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD065141.D
 Acq: 11 Feb 2020 10:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	222597		
67	53.4	0.0	105.8	

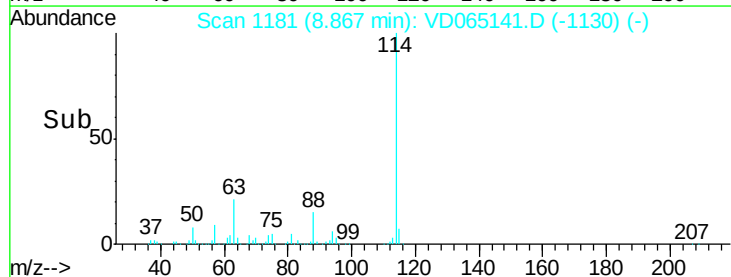
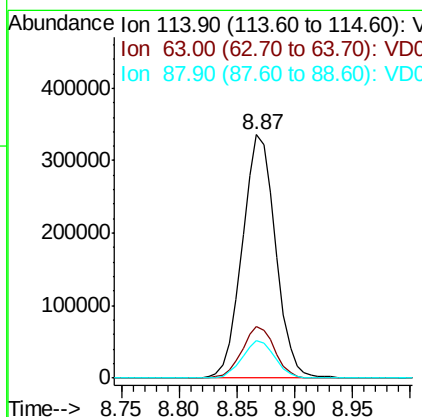
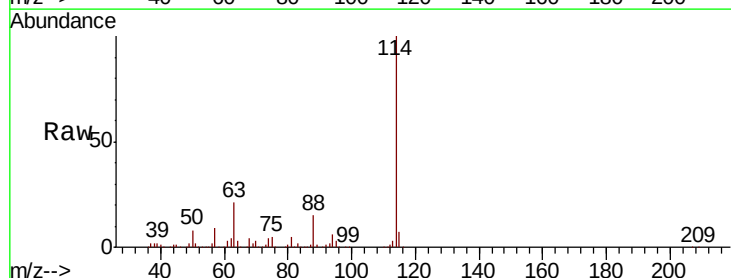
Manual Integrations
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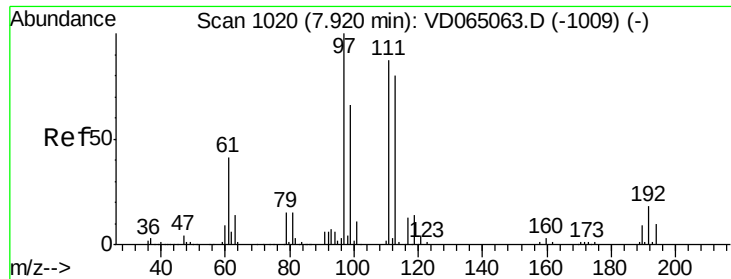
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065141.D
 Acq: 11 Feb 2020 10:32

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	672477		
63	21.1	0.0	38.8	
88	15.4	0.0	29.6	





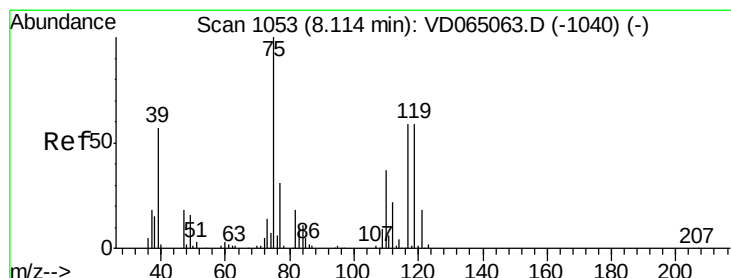
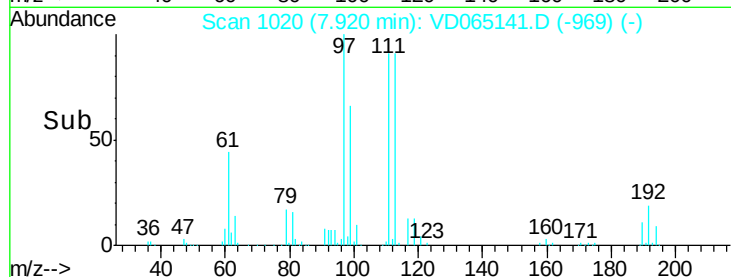
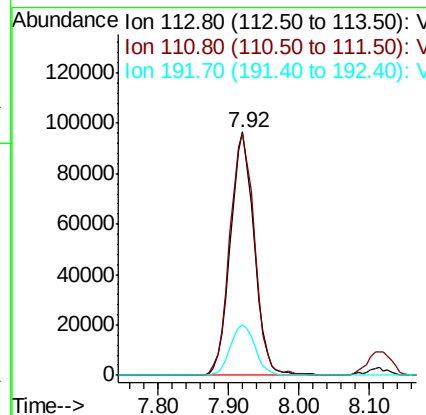
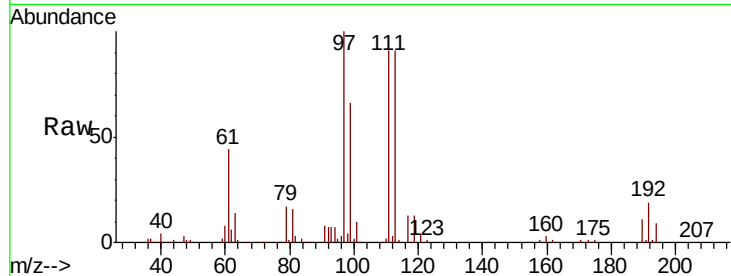
#35
 Dibromofluoromethane
 Concen: 60.265 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065141.D
 Acq: 11 Feb 2020 10:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	226115		
111	102.4	83.1	124.7	
192	21.5	18.1	27.1	

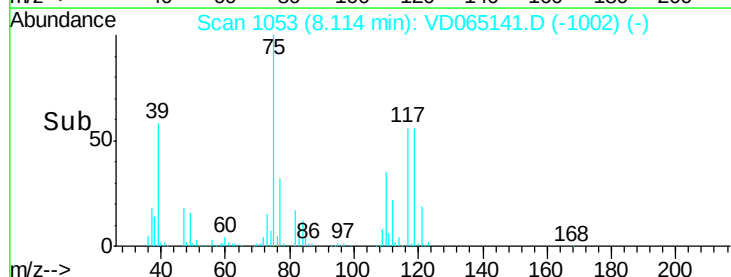
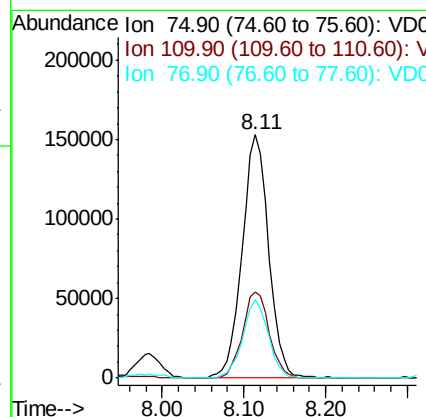
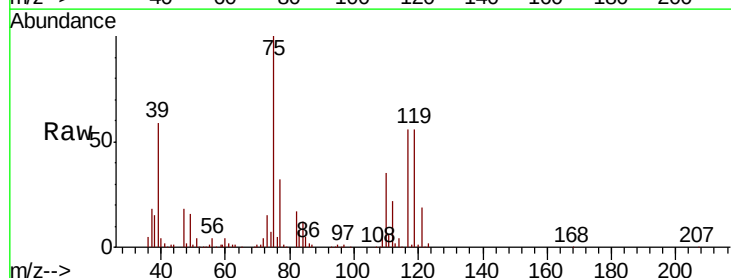
Manual Integrations
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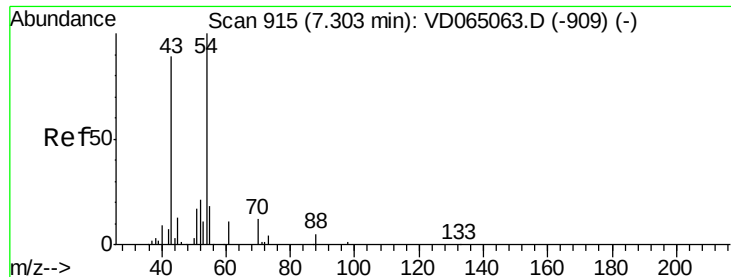
MMDadoda
 2/12/2020 3:12:41 PM



#36
 1,1-Dichloropropene
 Concen: 54.951 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065141.D
 Acq: 11 Feb 2020 10:32

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	343610		
110	35.9	18.1	54.3	
77	31.5	24.7	37.1	





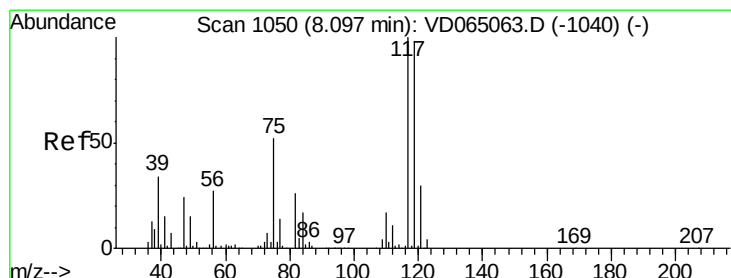
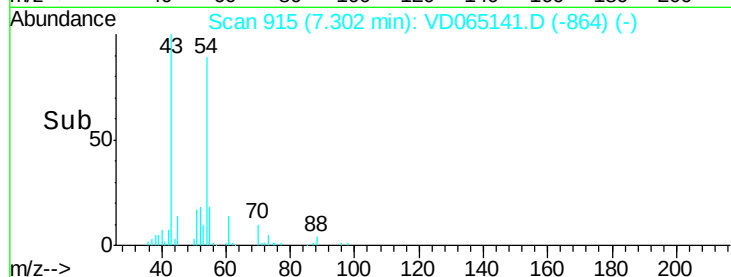
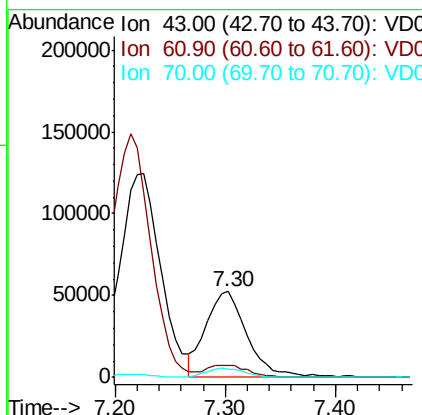
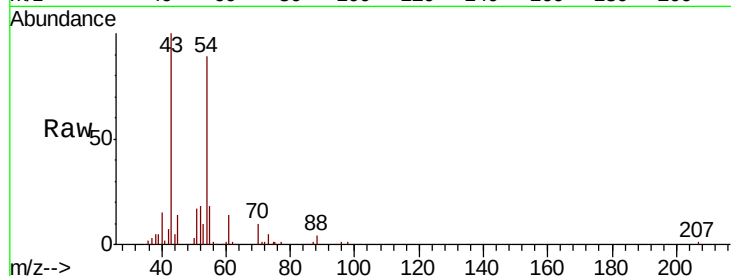
#37
Ethyl Acetate
Concen: 51.958 ug/l
RT: 7.30 min Scan# 915
Delta R.T. -0.00 min
Lab File: VD065141.D
Acq: 11 Feb 2020 10:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.0	16.4
70	10.8	8.2	12.2

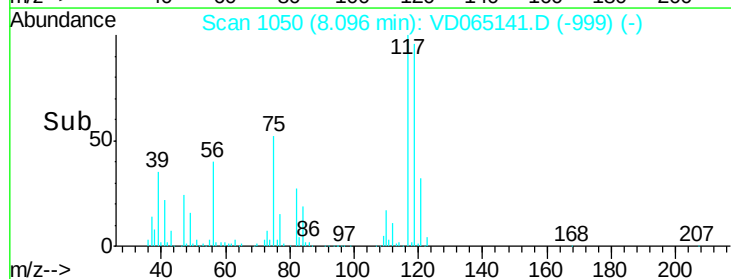
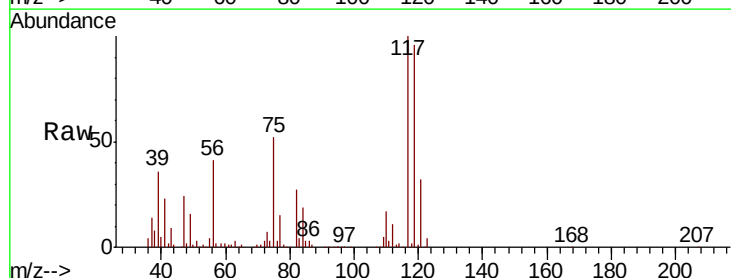
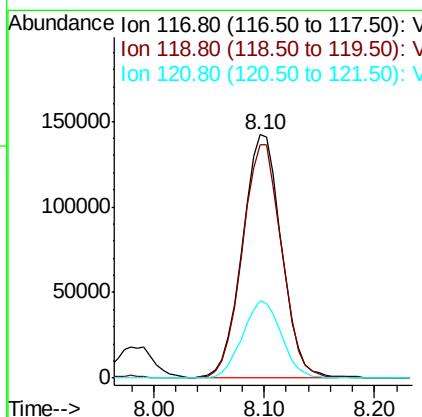
Manual Integrations
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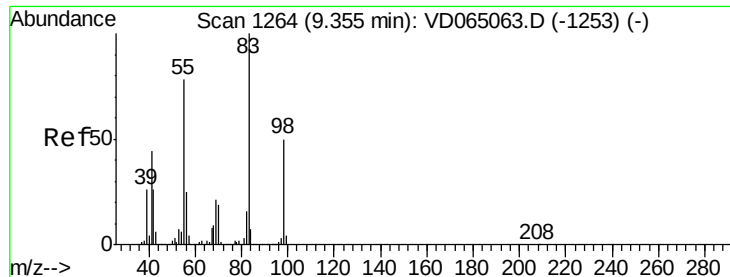
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#38
Carbon Tetrachloride
Concen: 55.229 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065141.D
Acq: 11 Feb 2020 10:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.0	78.5	117.7
121	32.0	23.8	35.6





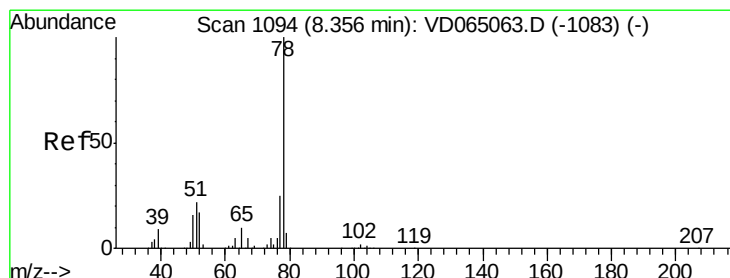
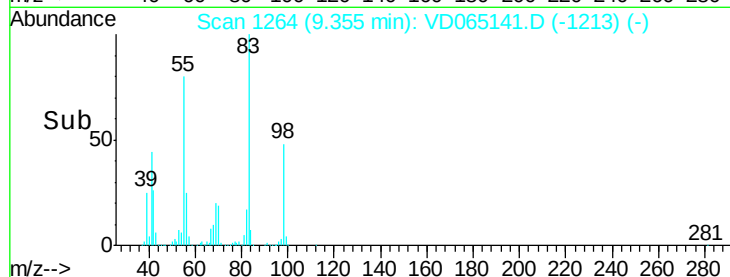
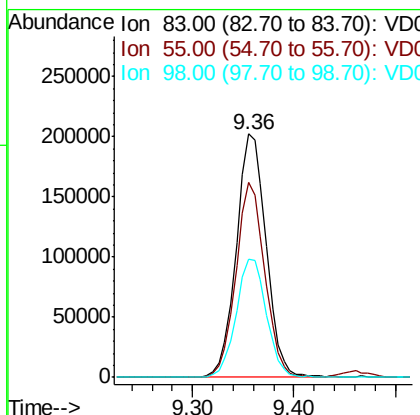
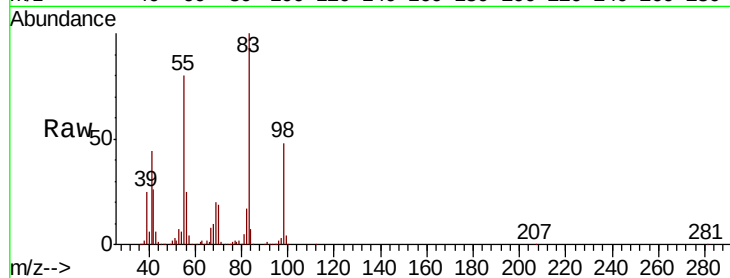
#39
Methylvlcyclohexane
Concen: 53.631 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065141.D
Acq: 11 Feb 2020 10:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	83.00	Resp	413937
Ion	Ratio	Lower	Upper
83	100		
55	80.2	62.0	93.0
98	48.5	39.9	59.9

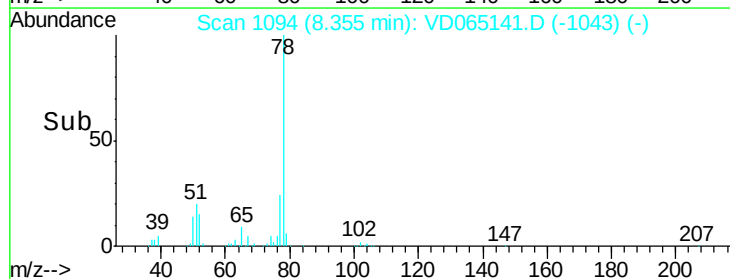
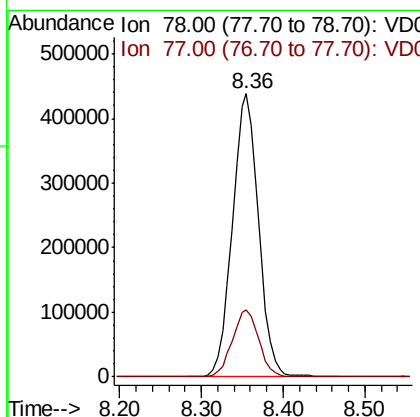
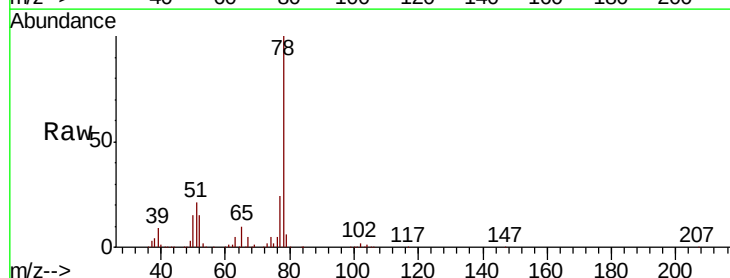
Manual Integrations
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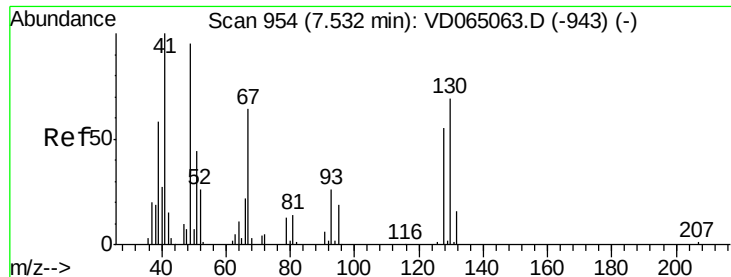
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#40
Benzene
Concen: 56.255 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065141.D
Acq: 11 Feb 2020 10:32

Tgt Ion	78.00	Resp	971395
Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.6	29.4





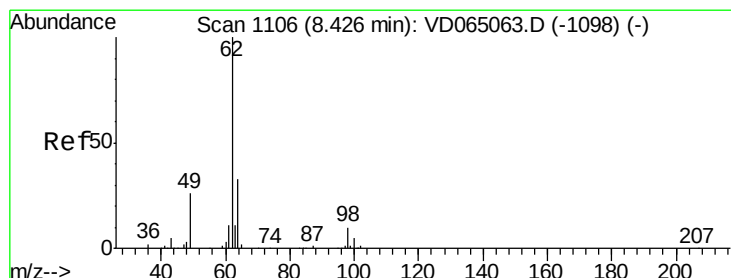
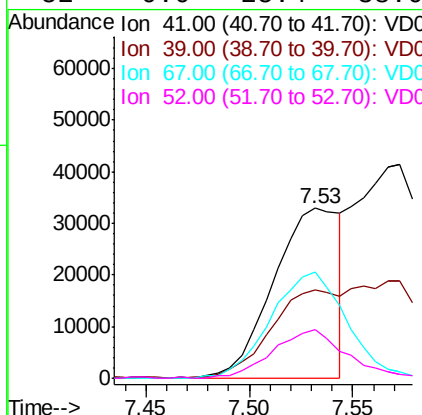
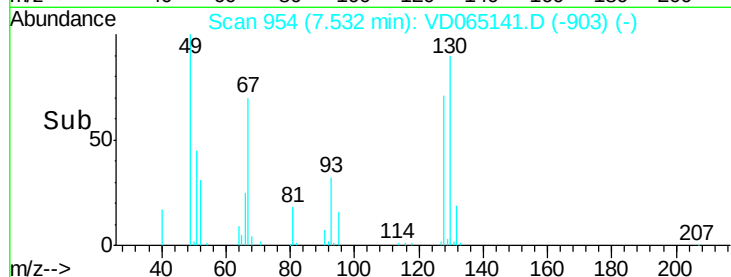
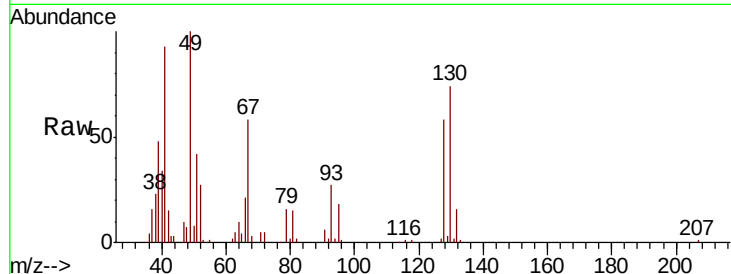
#41
Methacrylonitrile
Concen: 52.599 ug/l m
RT: 7.53 min Scan# 954
Delta R.T. -0.00 min
Lab File: VD065141.D
Acq: 11 Feb 2020 10:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	55.4	83.0#
67	0.0	59.0	88.6#
52	0.0	25.4	38.0#

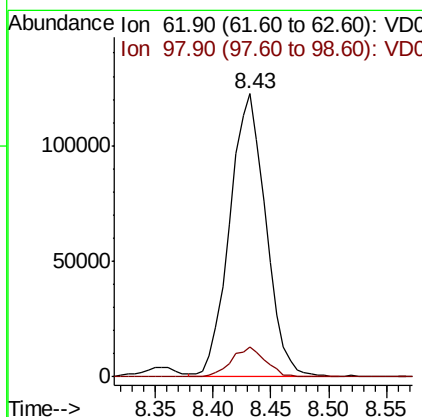
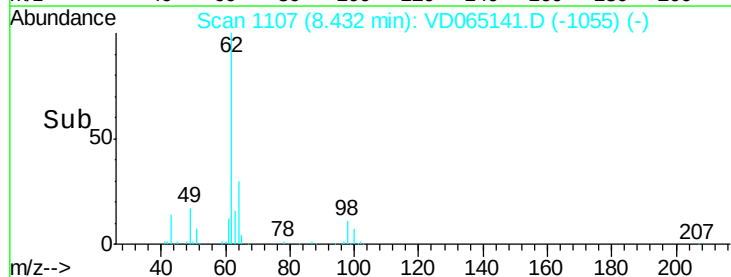
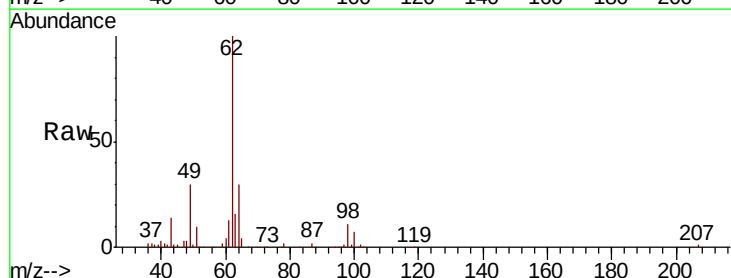
Manual Integrations
APPROVED

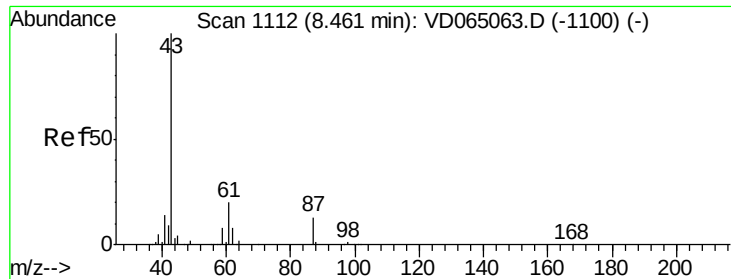
MMDadoda
2/12/2020 3:12:41 PM



#42
1,2-Dichloroethane
Concen: 53.654 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD065141.D
Acq: 11 Feb 2020 10:32

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	18.6





#43

Isopropyl Acetate

Concen: 51.214 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VD065141.D

Acq: 11 Feb 2020 10:32

Instrument :

MSVOA_D

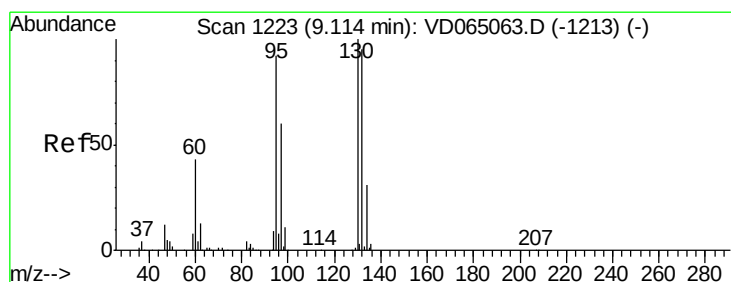
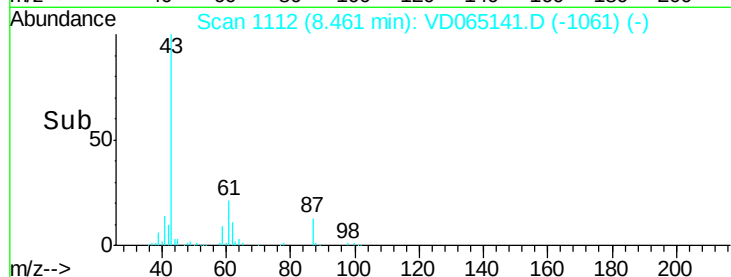
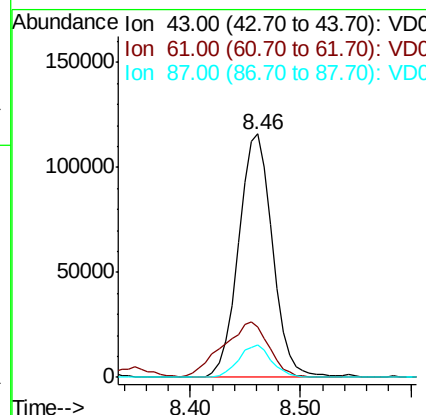
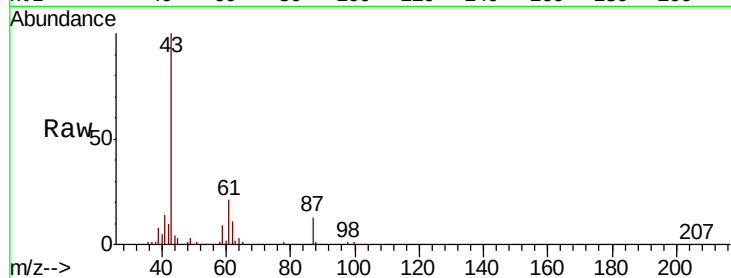
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	250271
Ion	Ratio	Lower	Upper
43	100		
61	30.9	24.0	36.0
87	13.0	10.2	15.4

Manual Integrations
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#44

Trichloroethene

Concen: 53.085 ug/l

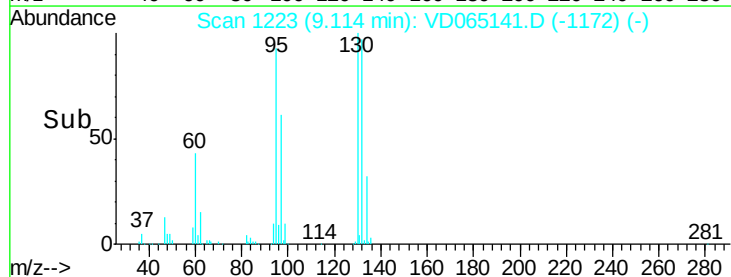
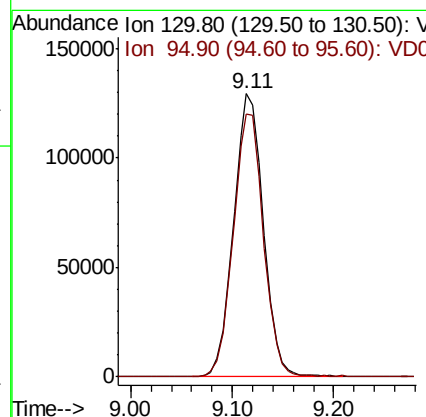
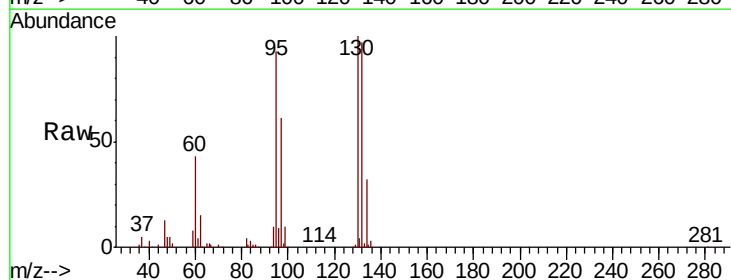
RT: 9.11 min Scan# 1223

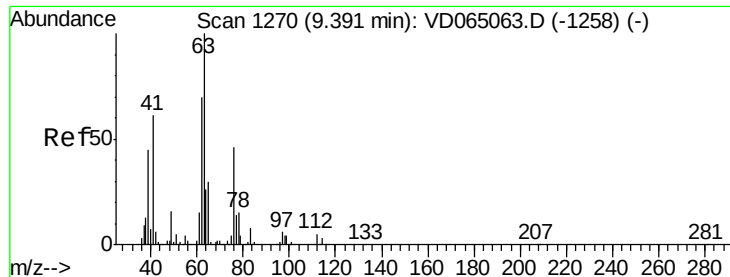
Delta R.T. -0.00 min

Lab File: VD065141.D

Acq: 11 Feb 2020 10:32

Tgt Ion:	130	Resp:	263109
Ion	Ratio	Lower	Upper
130	100		
95	92.7	0.0	185.0





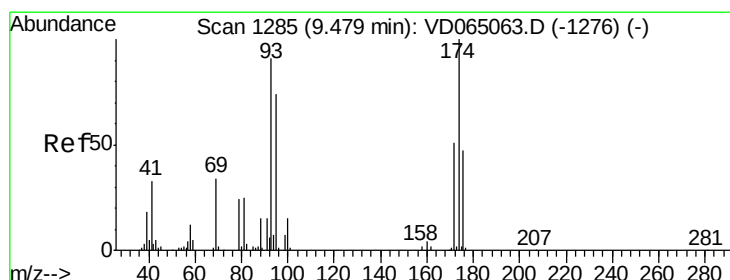
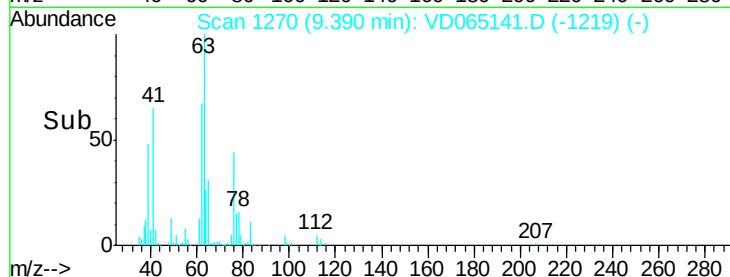
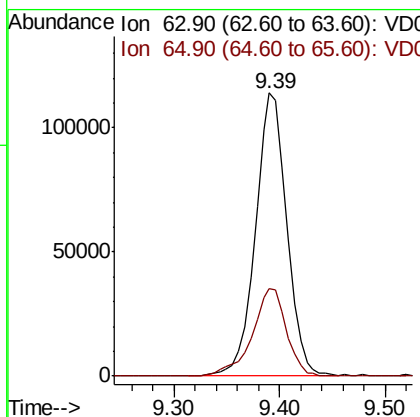
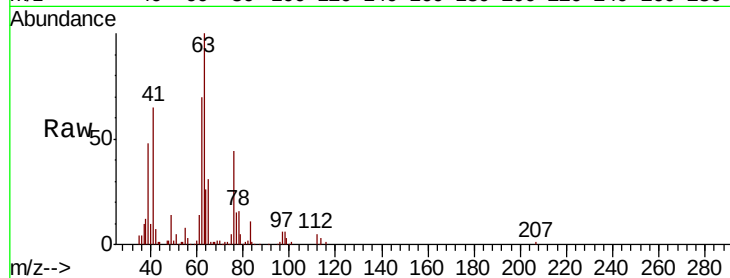
#45
 1,2-Dichloropropane
 Concen: 56.735 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD065141.D
 Acq: 11 Feb 2020 10:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.0	23.9	35.9

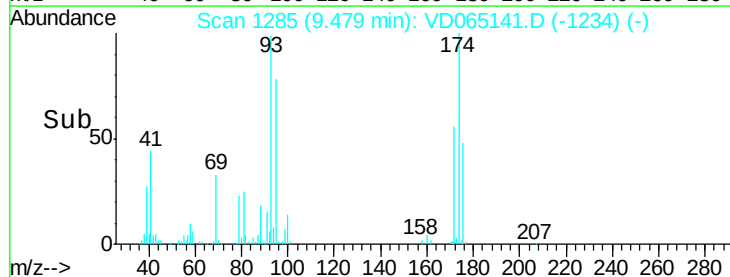
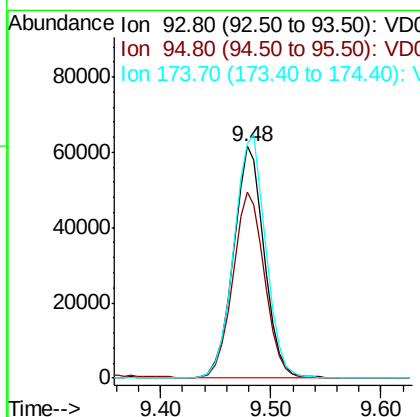
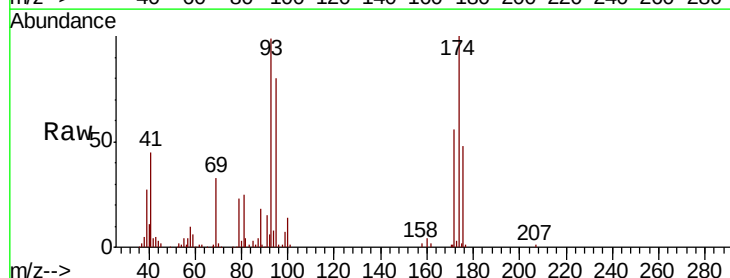
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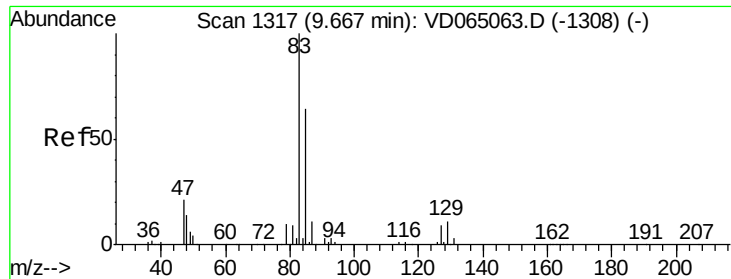
MMDadoda
 2/12/2020 3:12:41 PM



#46
 Dibromomethane
 Concen: 55.471 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD065141.D
 Acq: 11 Feb 2020 10:32

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.6	66.5	99.7
174	108.1	89.8	134.8





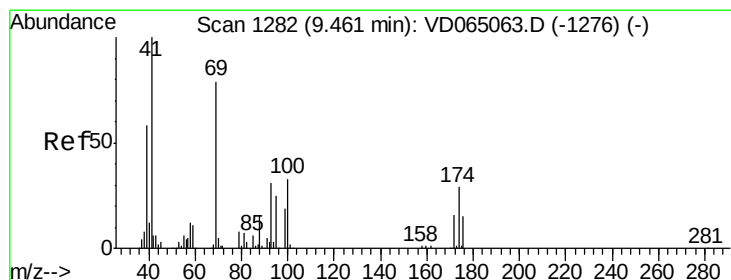
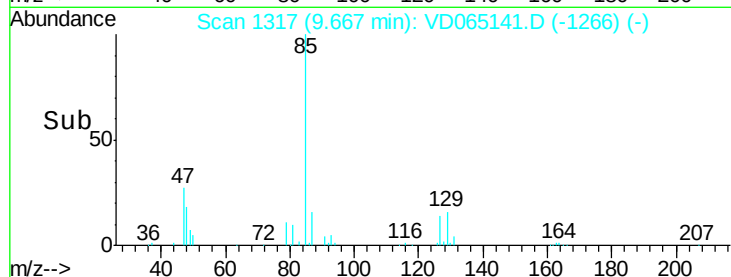
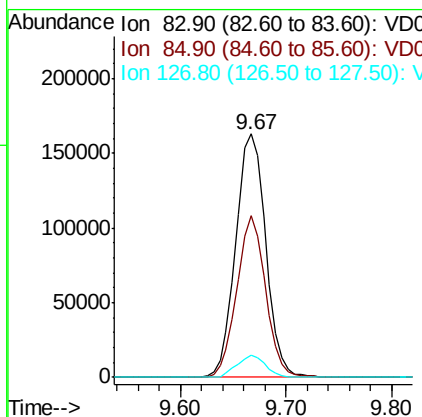
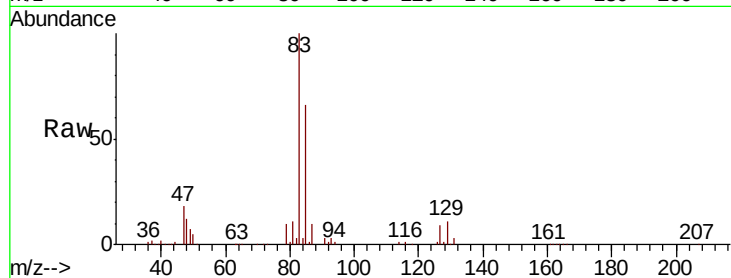
#47
Bromodichloromethane
Concen: 56.067 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VD065141.D
Acq: 11 Feb 2020 10:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	321390		
85	66.2	51.0	76.6	
127	9.0	7.3	10.9	

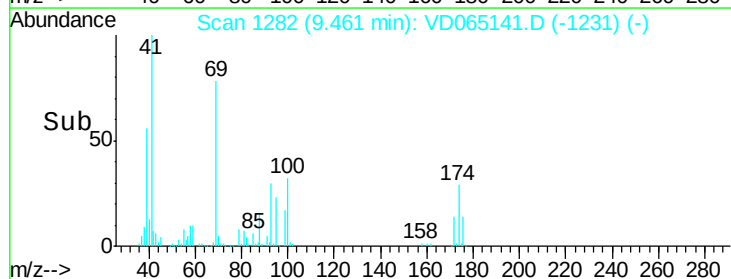
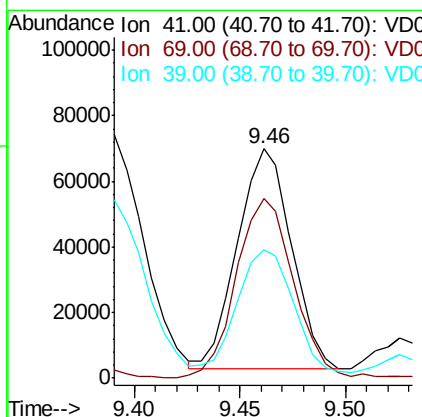
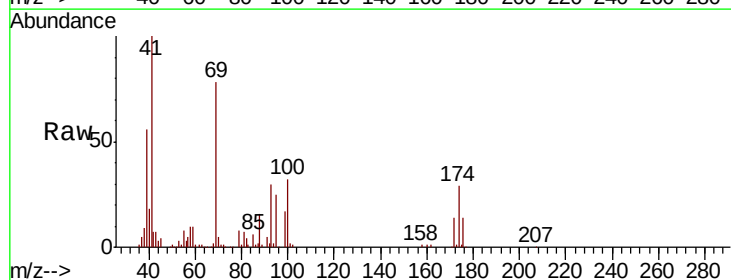
Manual Integrations
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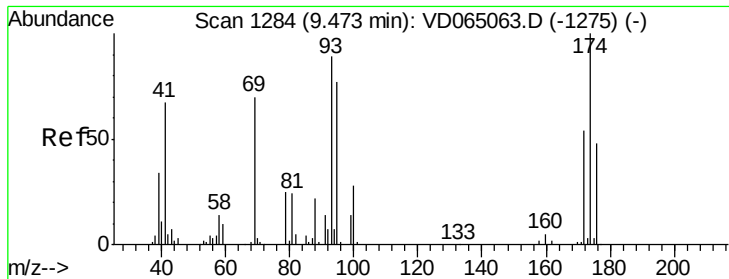
MMDadoda
2/12/2020 3:12:41 PM



#48
Methyl methacrylate
Concen: 50.748 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VD065141.D
Acq: 11 Feb 2020 10:32

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	119334		
69	85.7	67.5	101.3	
39	57.5	47.0	70.4	





#49

1,4-Dioxane

Concen: 1080.085 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. -0.01 min

Lab File: VD065141.D

Acq: 11 Feb 2020 10:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 88 Resp: 27831

Ion Ratio Lower Upper

88 100

43 33.1 27.7 41.5

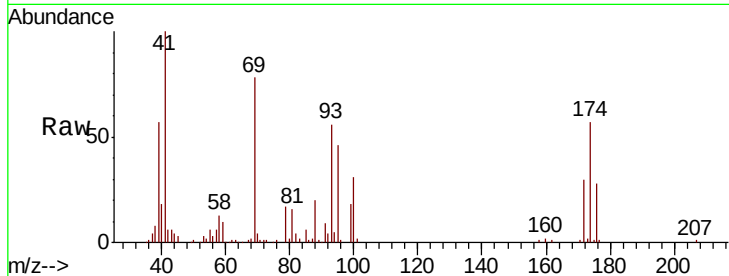
58 68.4 55.5 83.3

Manual Integrations

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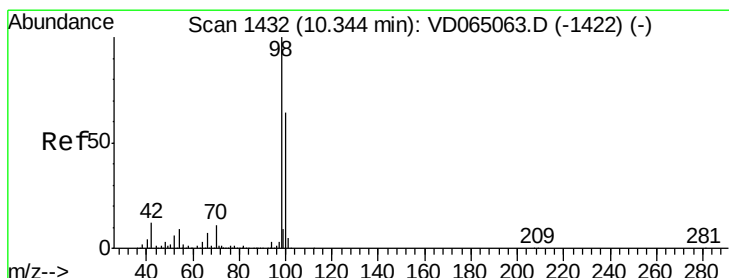
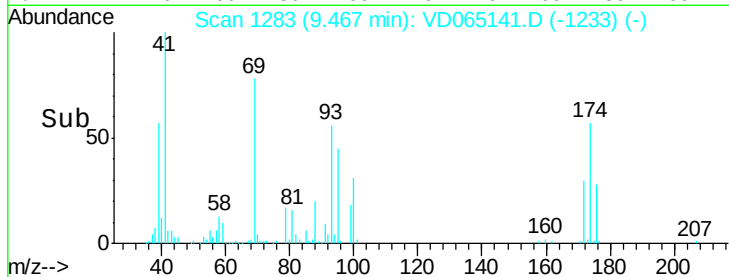
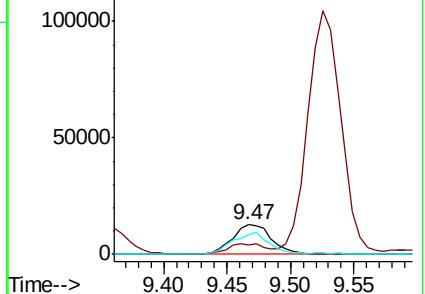
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Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50

Toluene-d8

Concen: 60.107 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065141.D

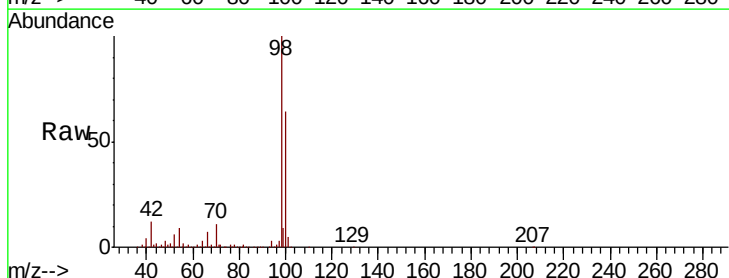
Acq: 11 Feb 2020 10:32

Tgt Ion: 98 Resp: 897646

Ion Ratio Lower Upper

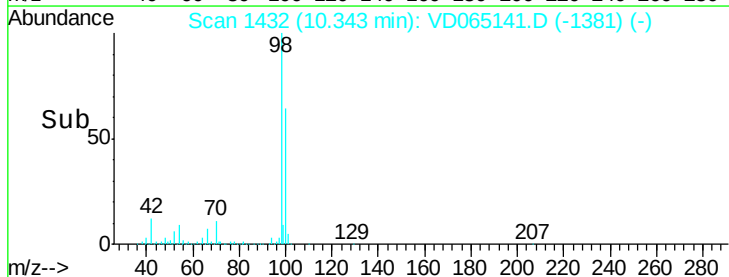
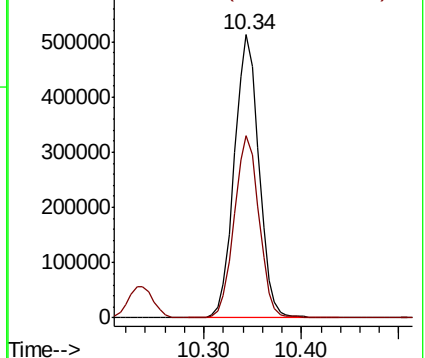
98 100

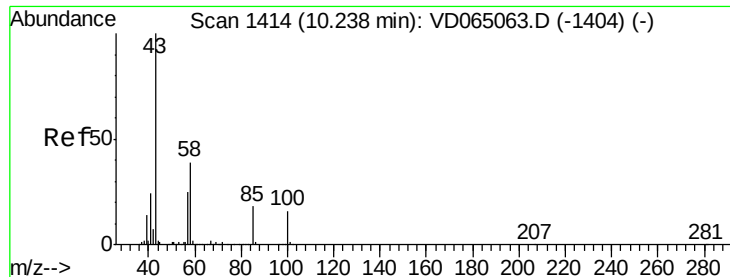
100 64.7 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





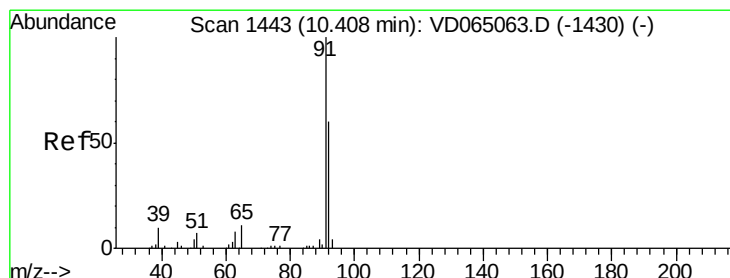
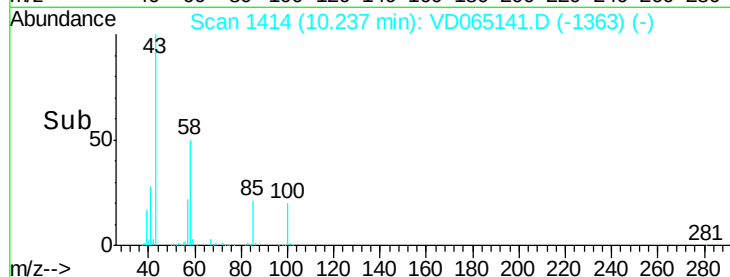
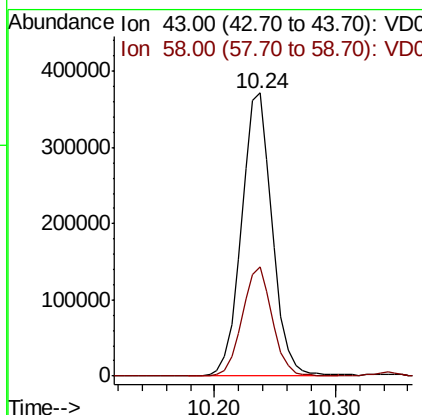
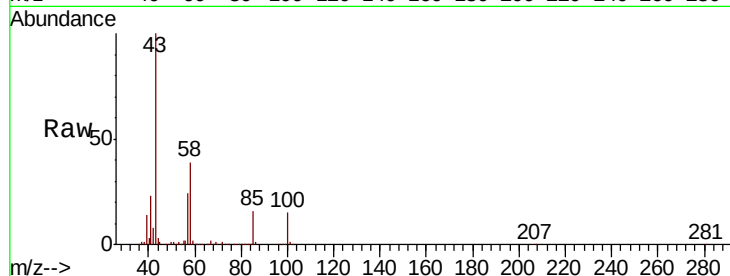
#51
 4-Methyl-2-Pentanone
 Concen: 272.996 ug/l
 RT: 10.24 min Scan# 1414
 Delta R.T. -0.00 min
 Lab File: VD065141.D
 Acq: 11 Feb 2020 10:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	37.8	30.2	45.2

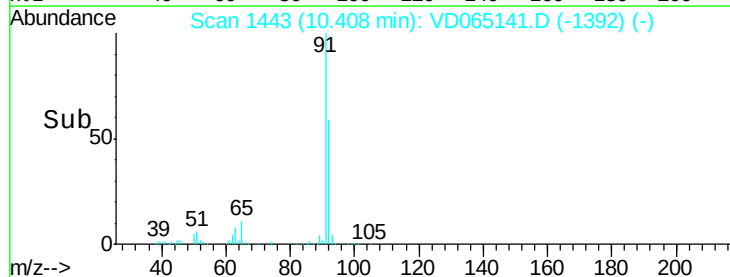
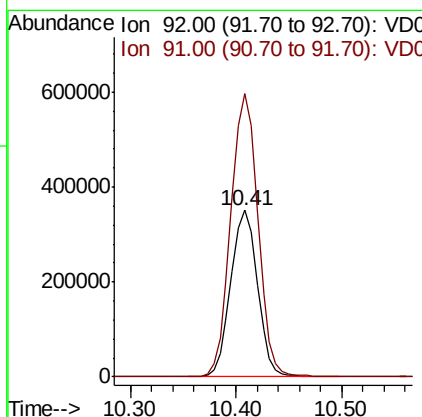
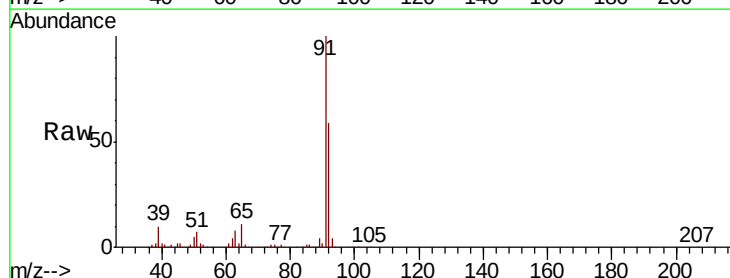
Manual Integrations
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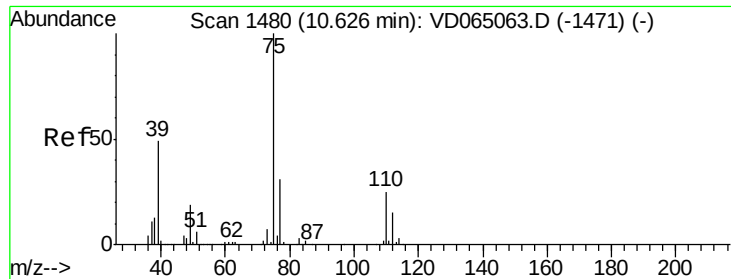
MMDadoda
 2/12/2020 3:12:41 PM



#52
 Toluene
 Concen: 55.945 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. -0.00 min
 Lab File: VD065141.D
 Acq: 11 Feb 2020 10:32

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.4	135.3	202.9





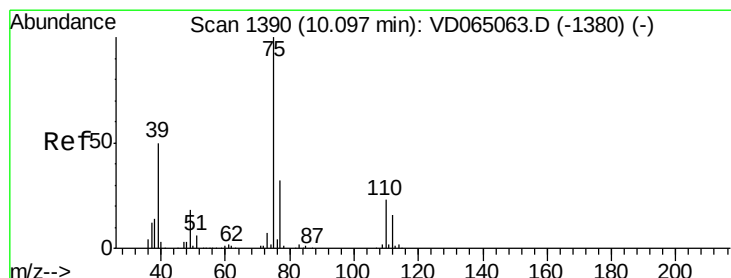
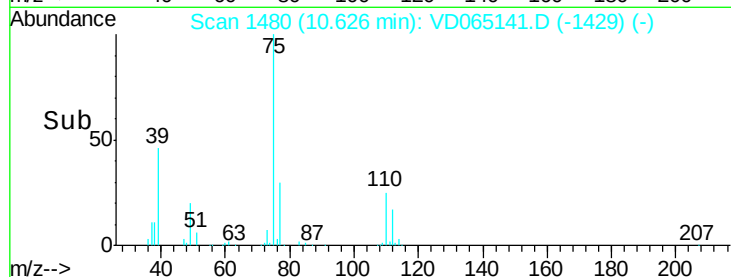
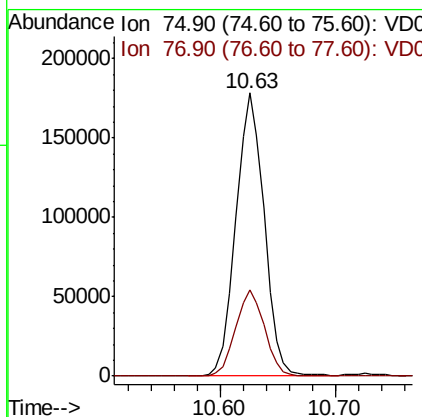
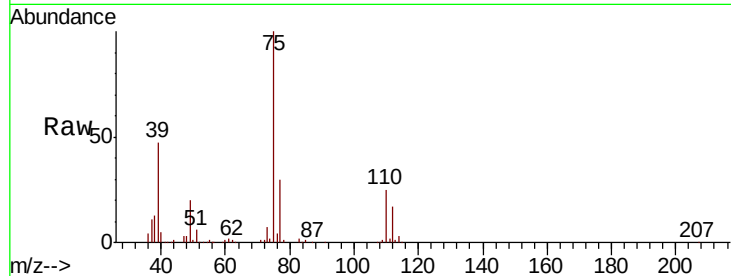
#53
t-1,3-Dichloropropene
Concen: 54.341 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD065141.D
Acq: 11 Feb 2020 10:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 303282
Ion Ratio Lower Upper
75 100
77 30.3 24.9 37.3

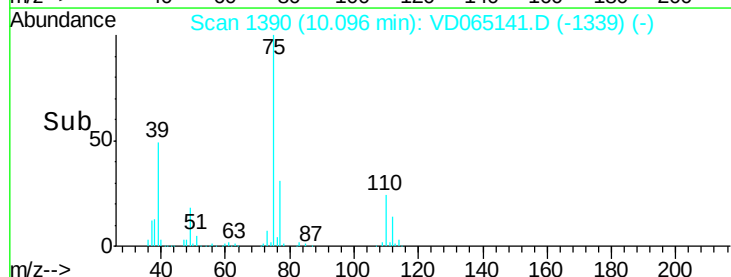
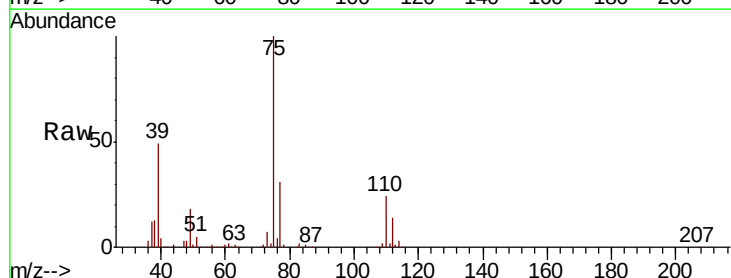
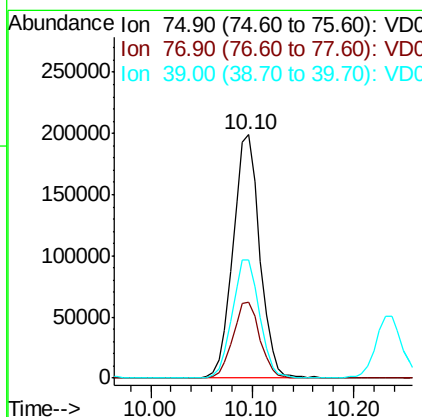
Manual Integrations
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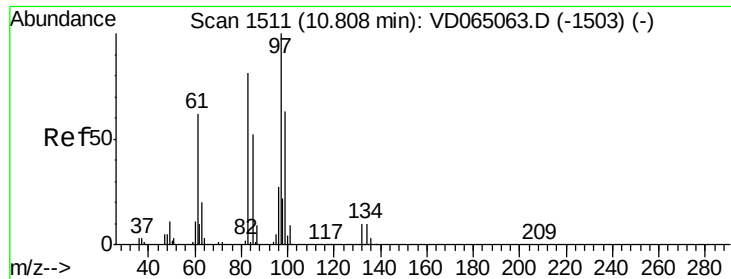
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#54
cis-1,3-Dichloropropene
Concen: 54.625 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VD065141.D
Acq: 11 Feb 2020 10:32

Tgt Ion: 75 Resp: 364625
Ion Ratio Lower Upper
75 100
77 31.3 25.3 37.9
39 48.4 40.3 60.5





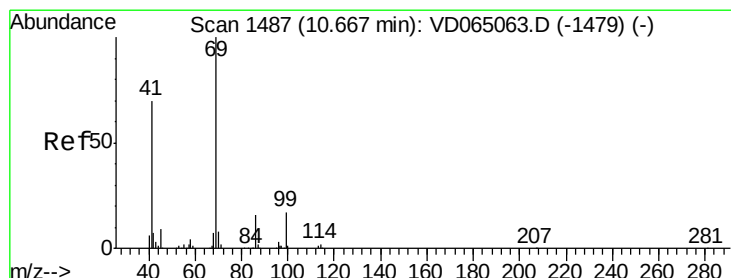
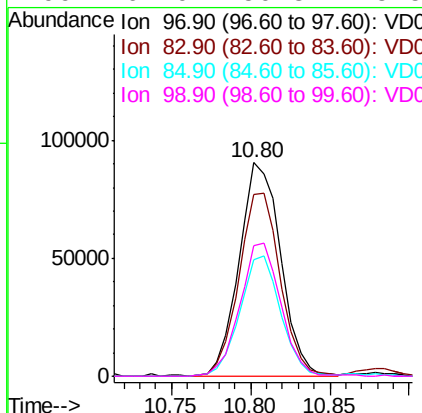
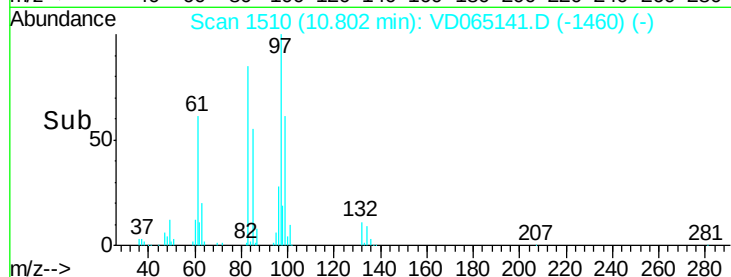
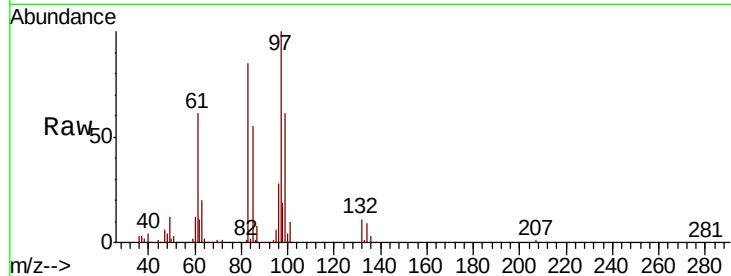
#55
 1,1,2-Trichloroethane
 Concen: 55.484 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD065141.D
 Acq: 11 Feb 2020 10:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		165565		
83	85.1	64.8	97.2		
85	54.7	41.2	61.8		
99	61.0	50.3	75.5		

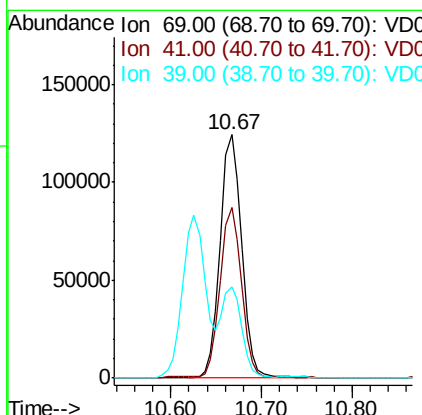
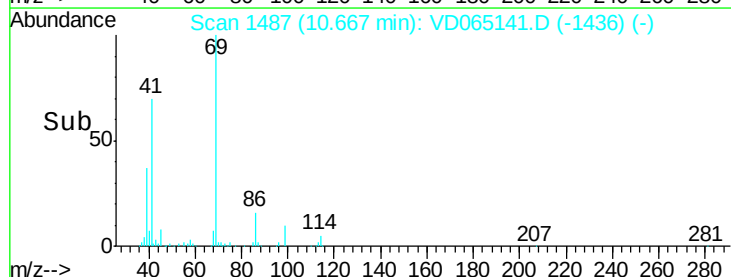
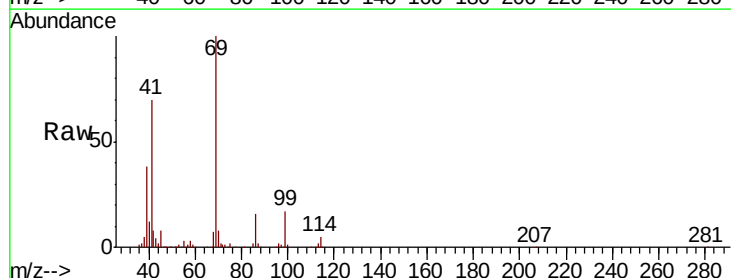
Manual Integrations
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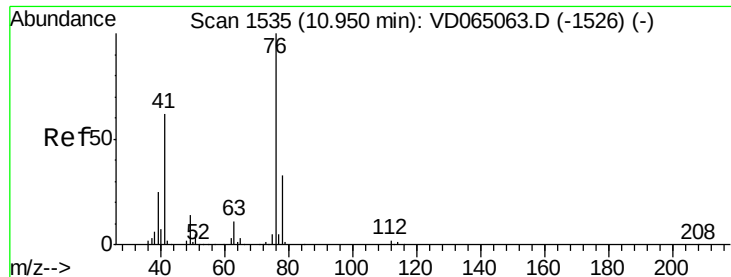
MMDadoda
 2/12/2020 3:12:41 PM



#56
 Ethyl methacrylate
 Concen: 54.431 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065141.D
 Acq: 11 Feb 2020 10:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		205512		
41	68.3	55.9	83.9		
39	34.8	29.4	44.0		





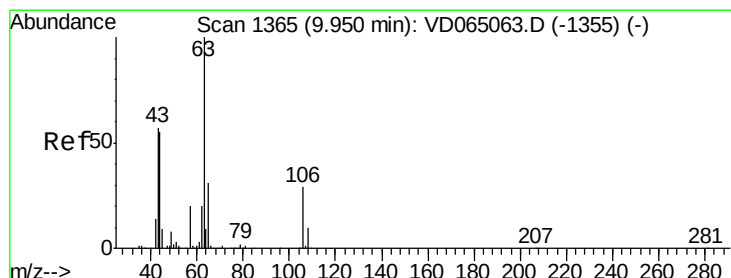
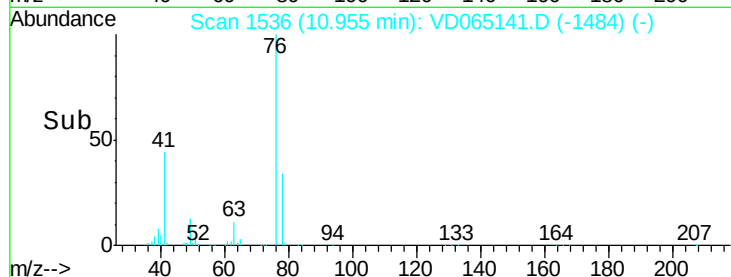
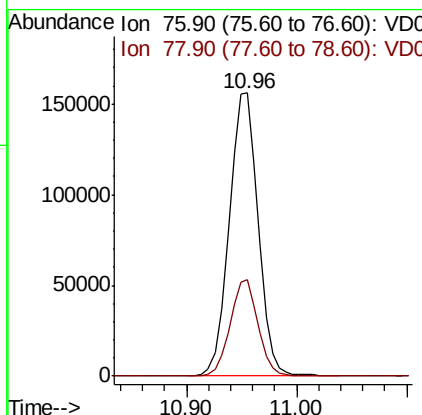
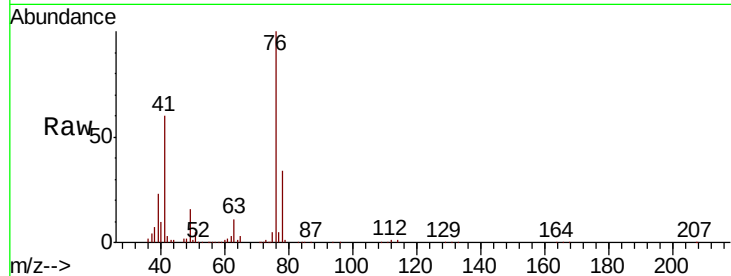
#57
 1,3-Dichloropropane
 Concen: 54.668 ug/l
 RT: 10.96 min Scan# 1536
 Delta R.T. 0.01 min
 Lab File: VD065141.D
 Acq: 11 Feb 2020 10:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 286855
 Ion Ratio Lower Upper
 76 100
 78 32.9 25.8 38.6

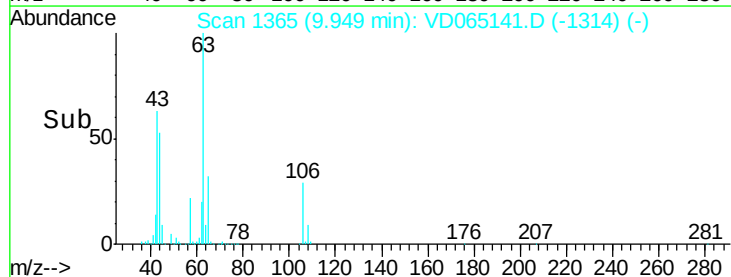
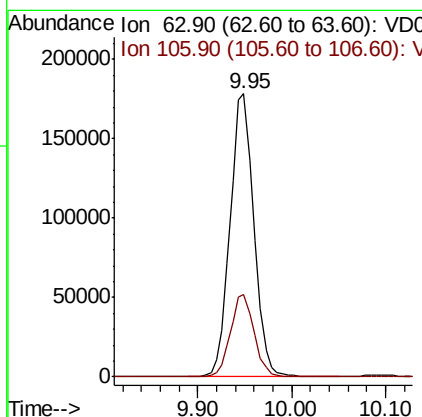
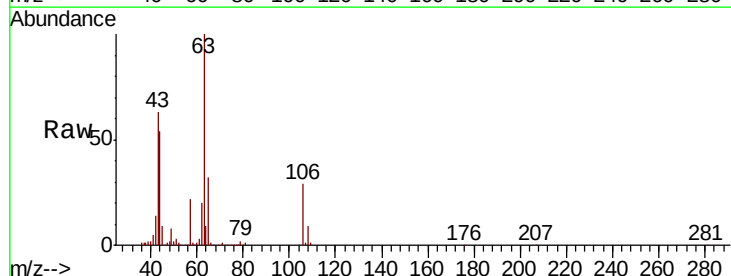
Manual Integrations
 APPROVED

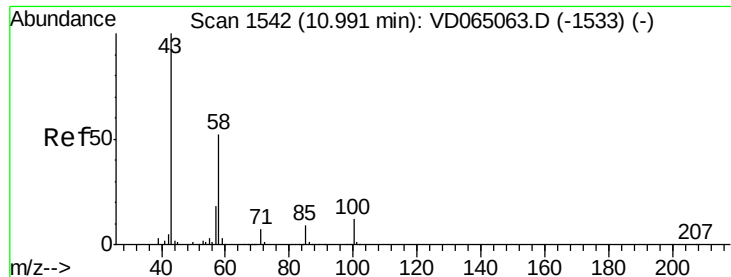
MMDadoda
 2/12/2020 3:12:41 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 258.263 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VD065141.D
 Acq: 11 Feb 2020 10:32

Tgt Ion: 63 Resp: 314288
 Ion Ratio Lower Upper
 63 100
 106 28.9 23.3 34.9





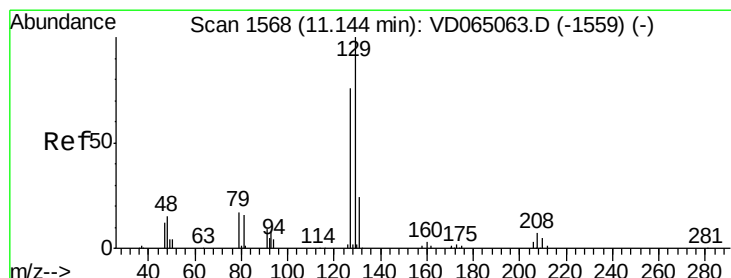
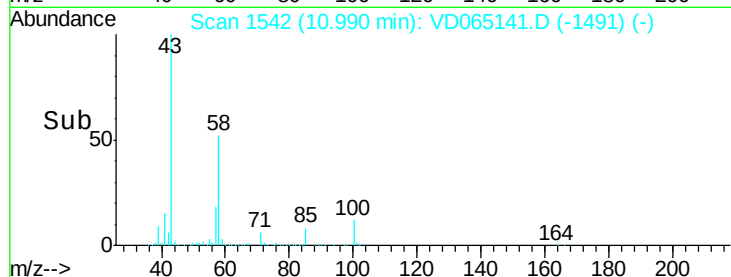
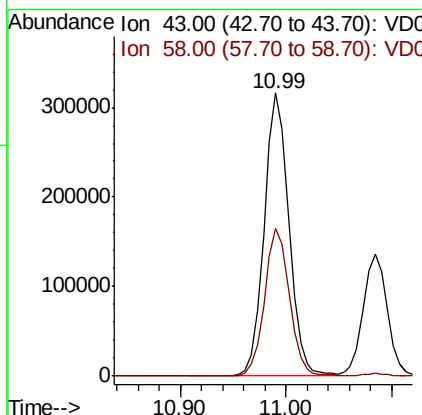
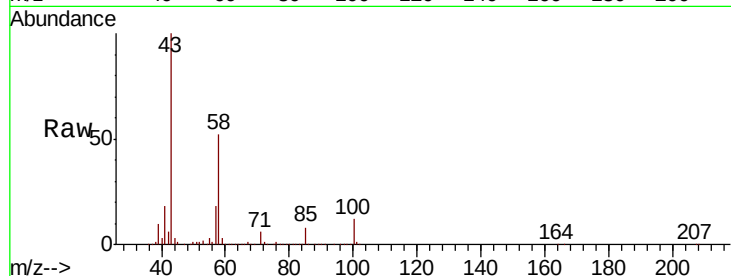
#59
2-Hexanone
Concen: 302.557 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065141.D
Acq: 11 Feb 2020 10:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 515482
Ion Ratio Lower Upper
43 100
58 52.1 26.2 78.6

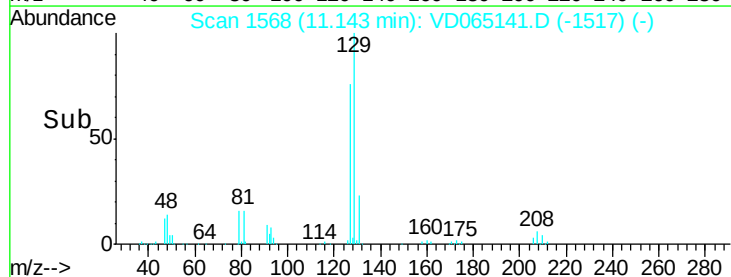
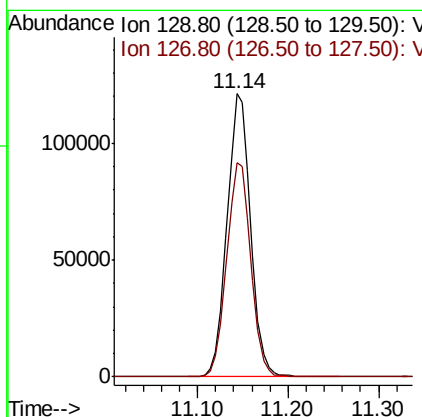
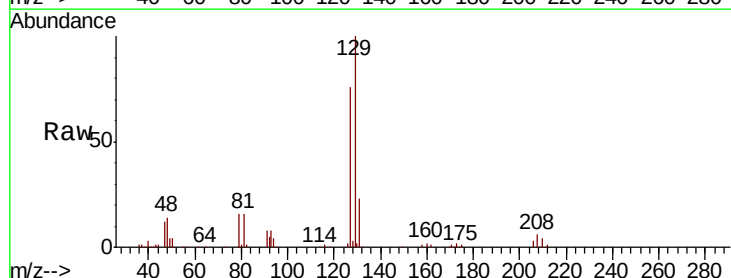
Manual Integrations
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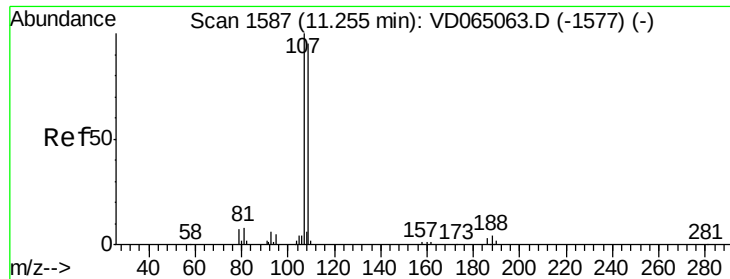
MMDadoda
2/12/2020 3:12:41 PM



#60
Dibromochloromethane
Concen: 56.548 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065141.D
Acq: 11 Feb 2020 10:32

Tgt Ion: 129 Resp: 218564
Ion Ratio Lower Upper
129 100
127 77.5 38.3 114.9





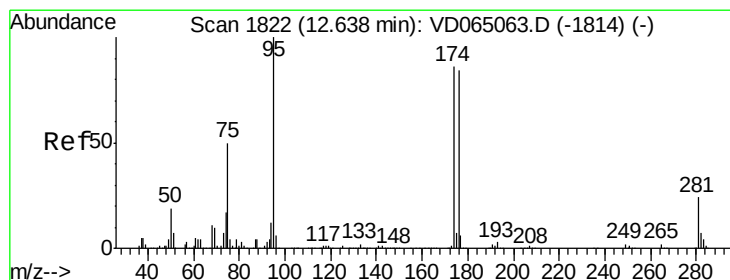
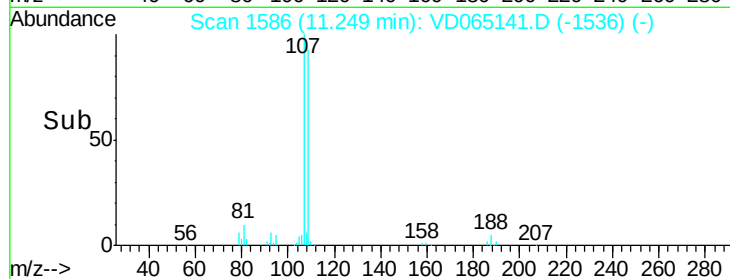
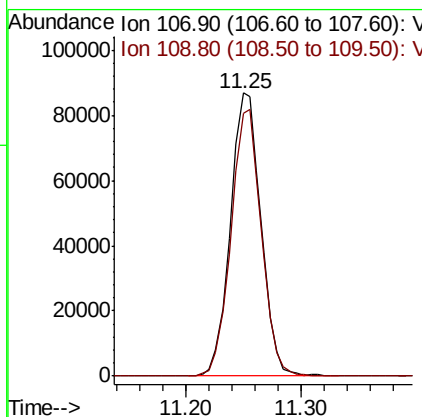
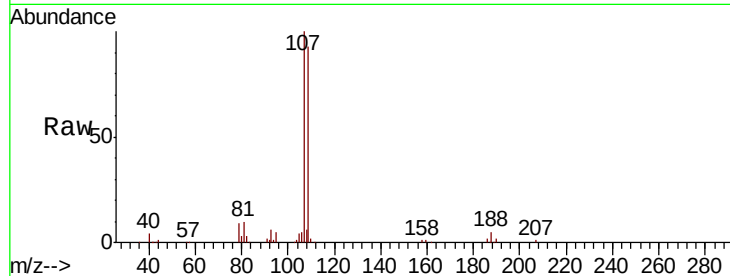
#61
 1,2-Dibromoethane
 Concen: 54.501 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.01 min
 Lab File: VD065141.D
 Acq: 11 Feb 2020 10:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	158912		
109	93.7	75.5	113.3	

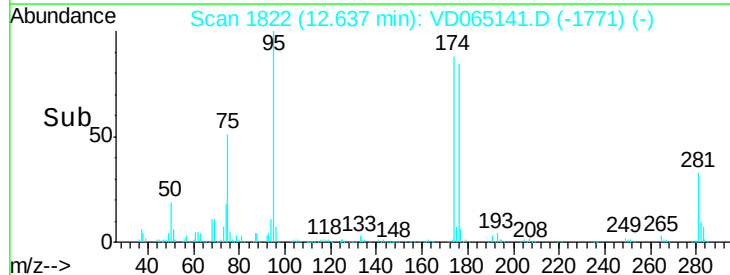
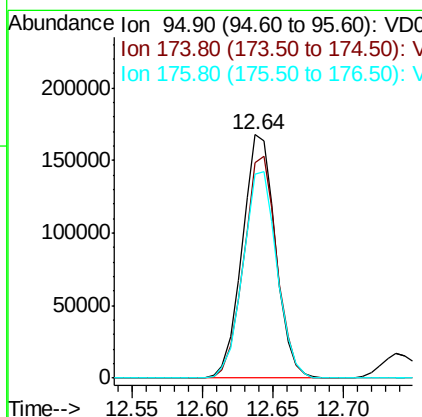
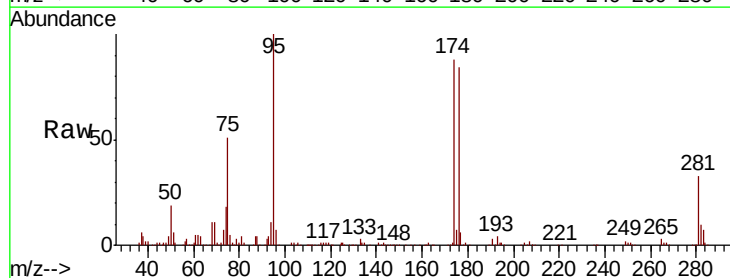
Manual Integrations
 APPROVED

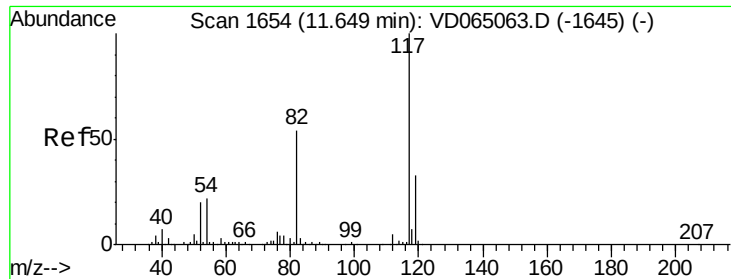
MMDadoda
 2/12/2020 3:12:41 PM



#62
 4-Bromofluorobenzene
 Concen: 58.443 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD065141.D
 Acq: 11 Feb 2020 10:32

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	276555		
174	90.8	0.0	180.0	
176	86.9	0.0	173.2	





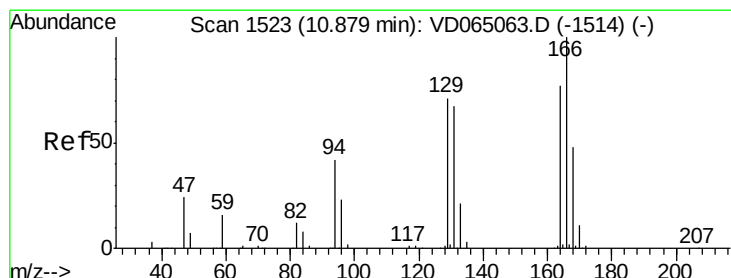
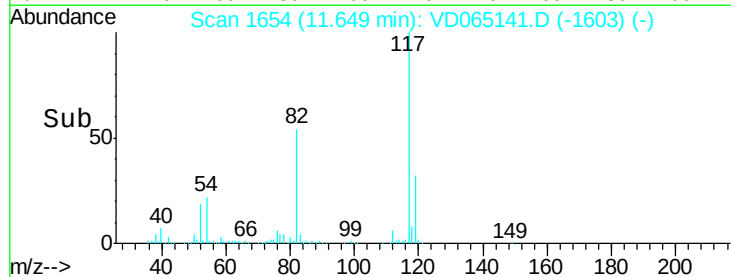
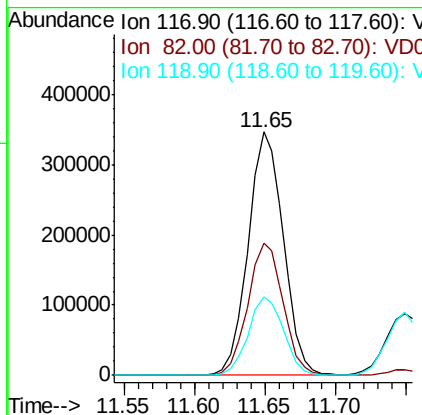
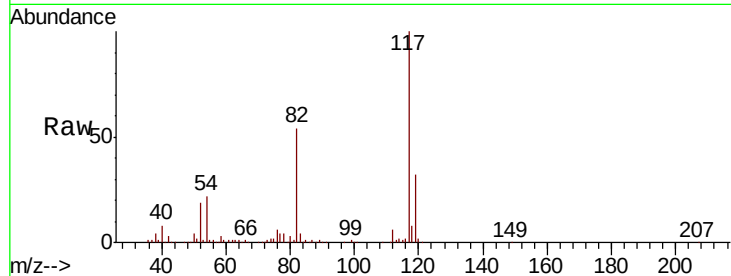
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065141.D
Acq: 11 Feb 2020 10:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	607017		
82	54.1	43.1	64.7	
119	32.5	26.0	39.0	

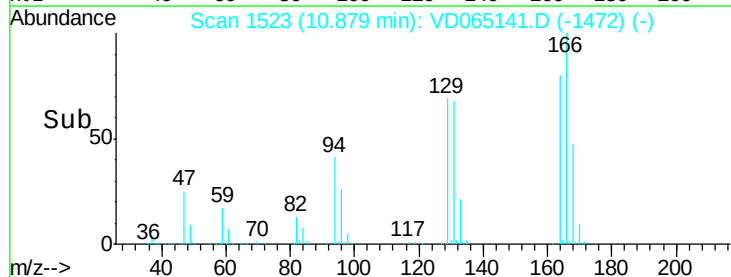
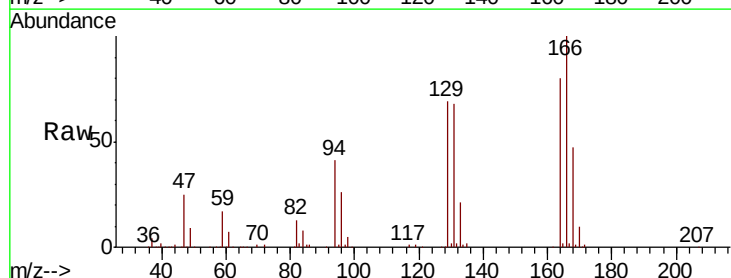
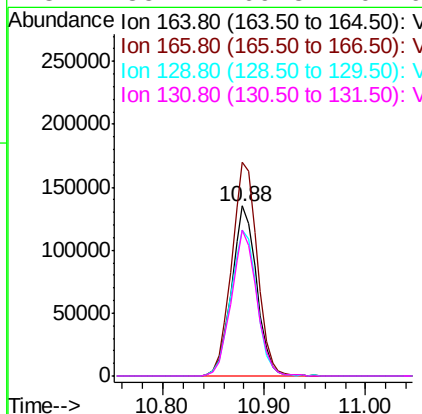
Manual Integrations
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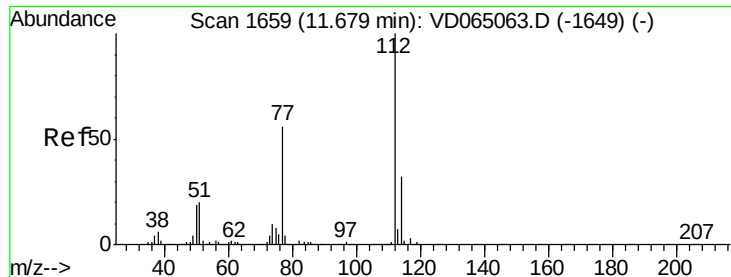
MMDadoda
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#64
Tetrachloroethene
Concen: 52.908 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065141.D
Acq: 11 Feb 2020 10:32

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	230771		
166	125.6	103.5	155.3	
129	86.2	73.3	109.9	
131	85.7	69.8	104.6	





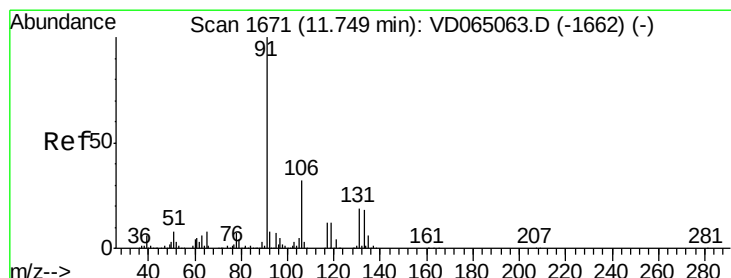
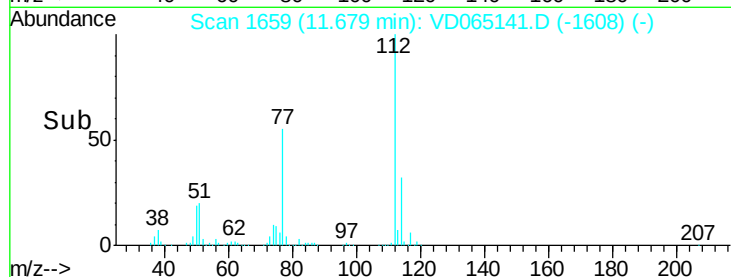
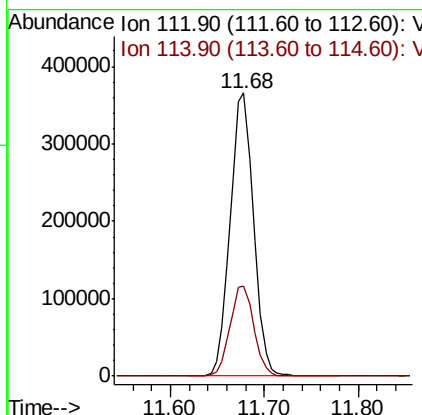
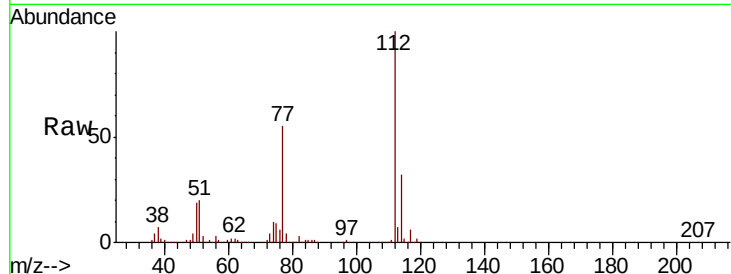
#65
Chlorobenzene
Concen: 53.980 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VD065141.D
Acq: 11 Feb 2020 10:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.7	25.4	38.0

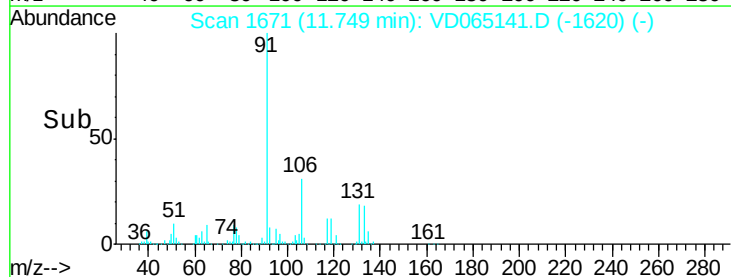
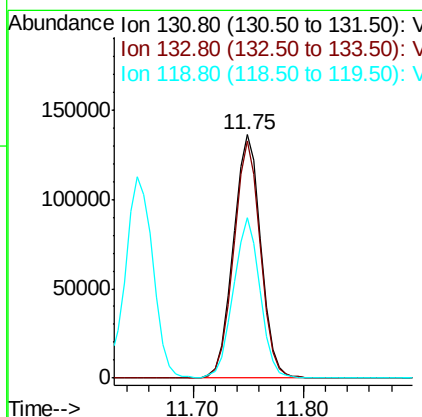
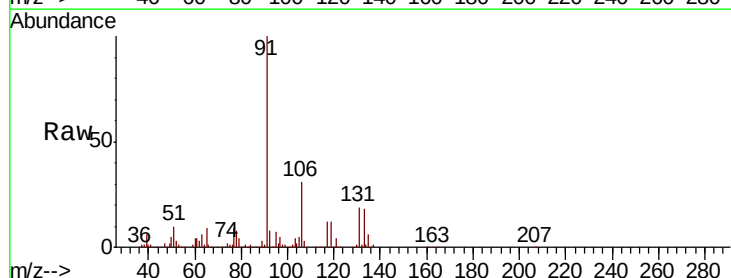
Manual Integrations
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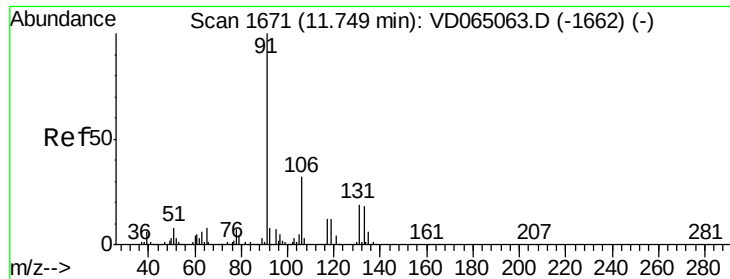
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 54.913 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065141.D
Acq: 11 Feb 2020 10:32

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.7	47.7	143.1
119	64.1	31.3	93.8





#67

Ethyl Benzene

Concen: 54.614 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065141.D

Acq: 11 Feb 2020 10:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1164936

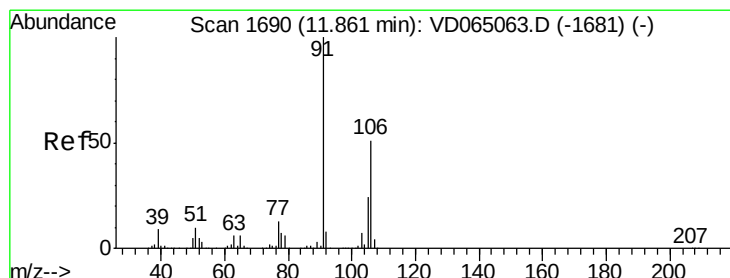
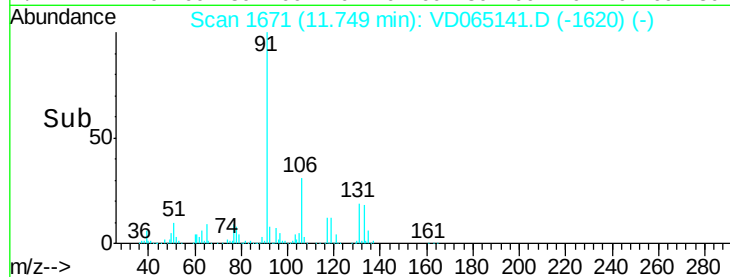
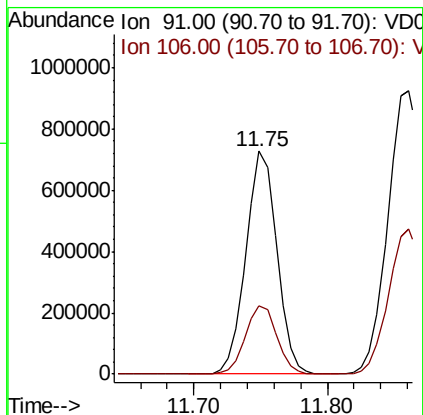
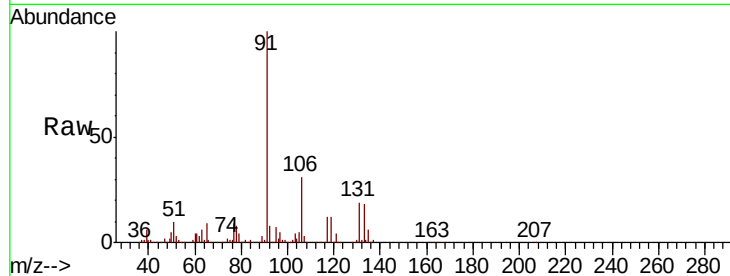
Ion Ratio Lower Upper

91 100

106 30.6 25.4 38.2

Manual Integrations
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#68

m/p-Xylenes

Concen: 109.981 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VD065141.D

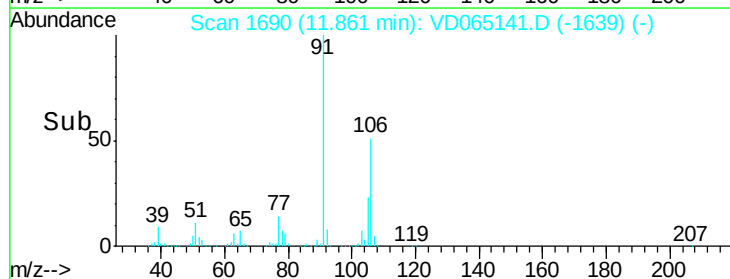
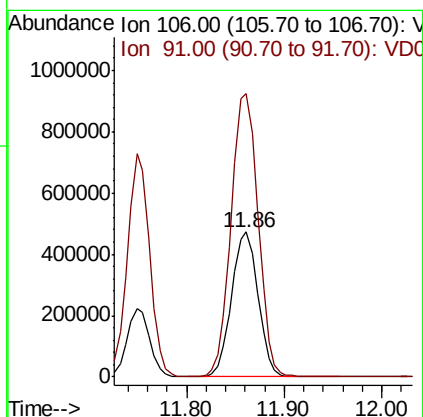
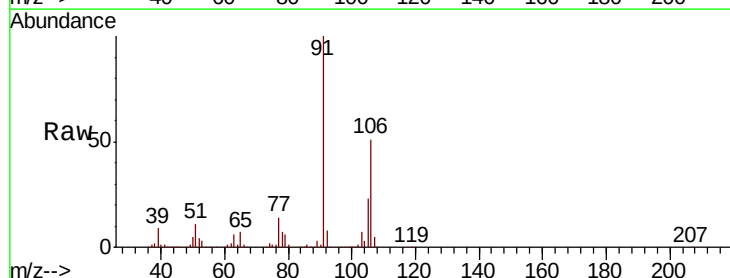
Acq: 11 Feb 2020 10:32

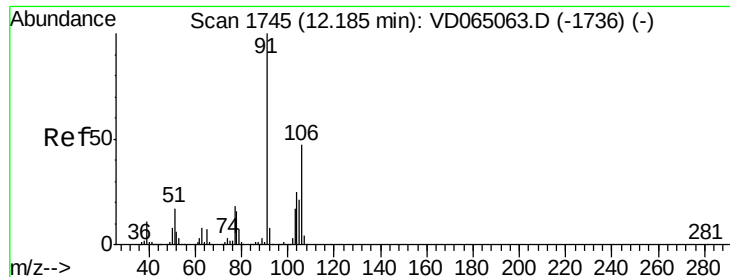
Tgt Ion: 106 Resp: 895385

Ion Ratio Lower Upper

106 100

91 199.2 158.9 238.3





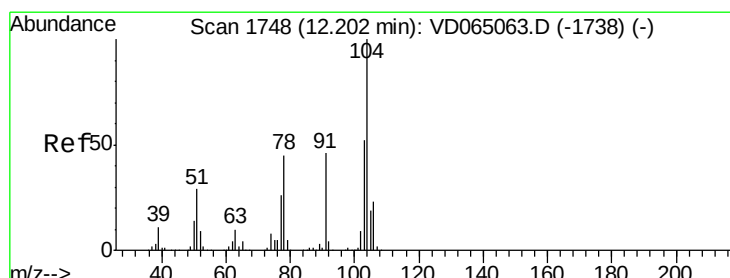
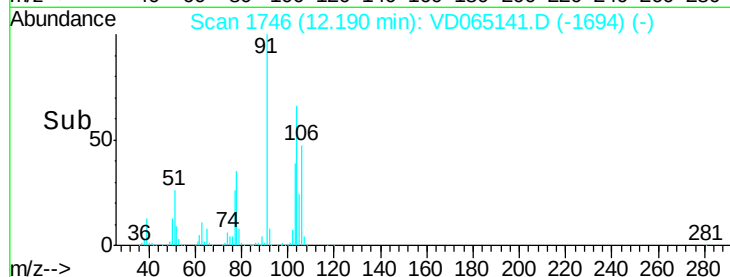
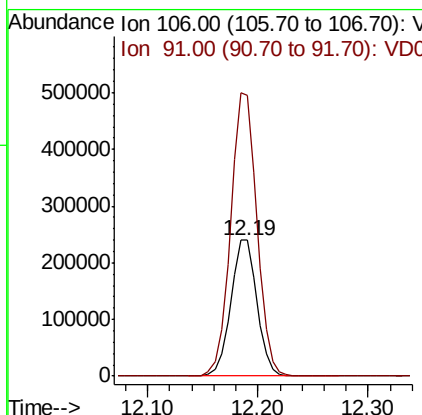
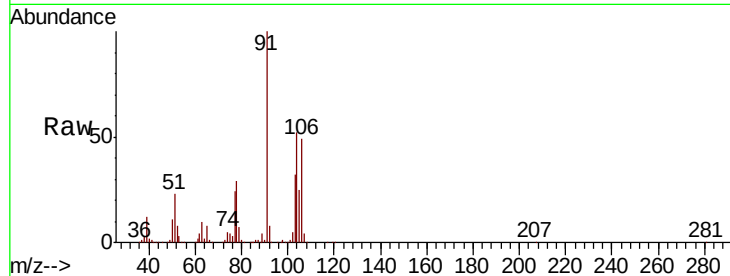
#69
o-Xylene
Concen: 54.660 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. 0.01 min
Lab File: VD065141.D
Acq: 11 Feb 2020 10:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	208.4	104.7	313.9

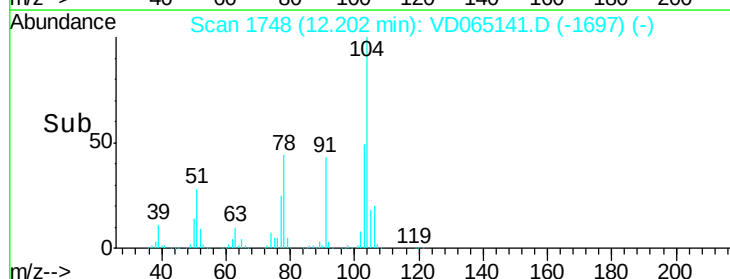
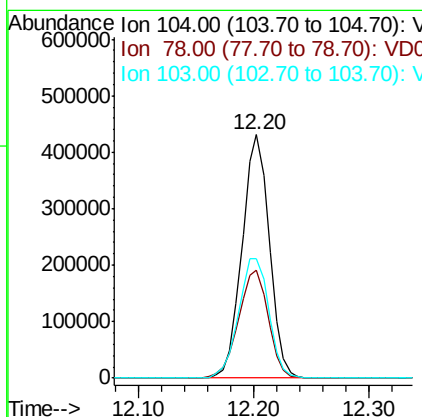
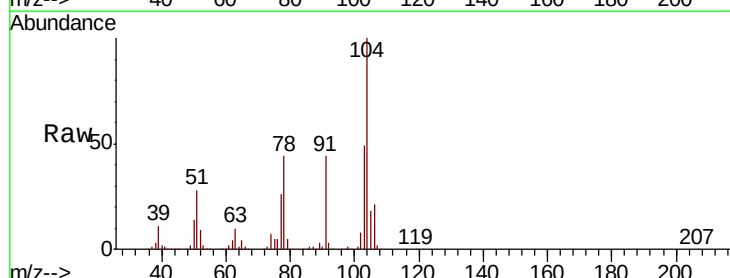
Manual Integrations
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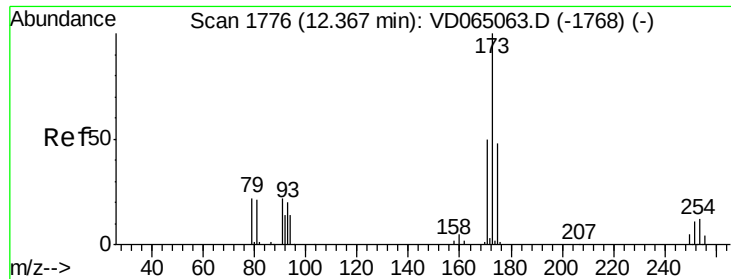
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#70
Styrene
Concen: 55.648 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065141.D
Acq: 11 Feb 2020 10:32

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.3	38.5	57.7
103	54.8	43.8	65.8





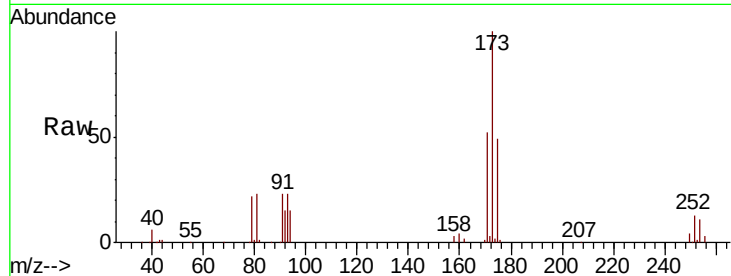
#71
Bromoform
Concen: 53.565 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD065141.D
Acq: 11 Feb 2020 10:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

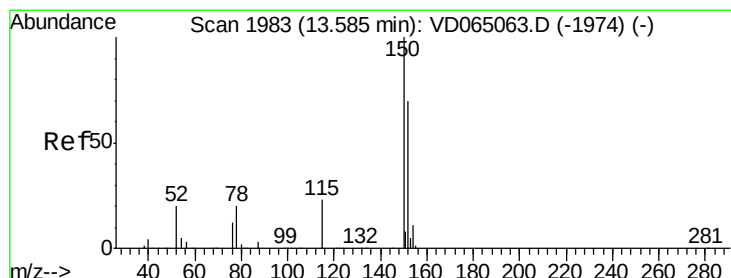
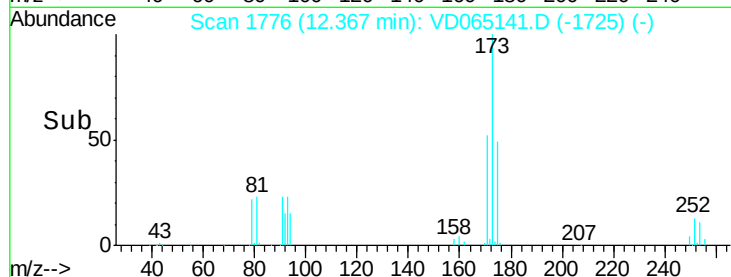
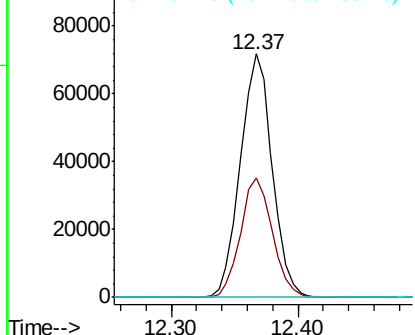
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.3	72.8
254	0.0	0.1	0.1

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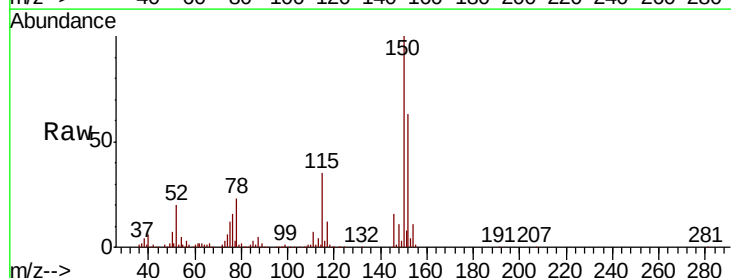


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

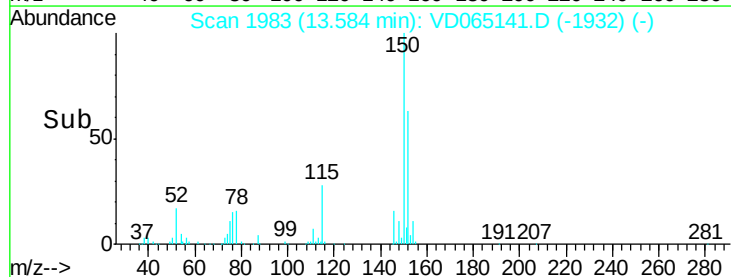
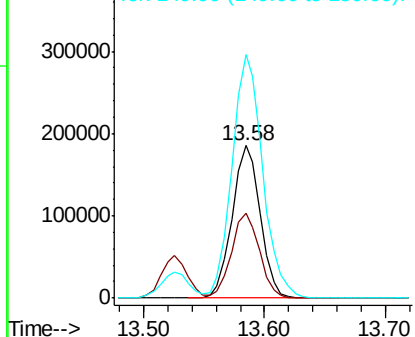


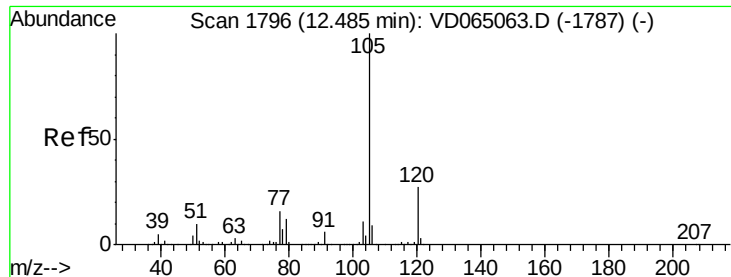
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065141.D
Acq: 11 Feb 2020 10:32

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.4	27.5	82.4
150	173.7	0.0	343.2



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





#73

Isopropylbenzene

Concen: 52.748 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065141.D

Acq: 11 Feb 2020 10:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1089166

Ion Ratio Lower Upper

105 100

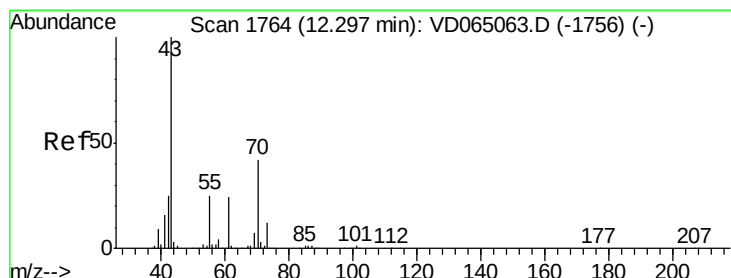
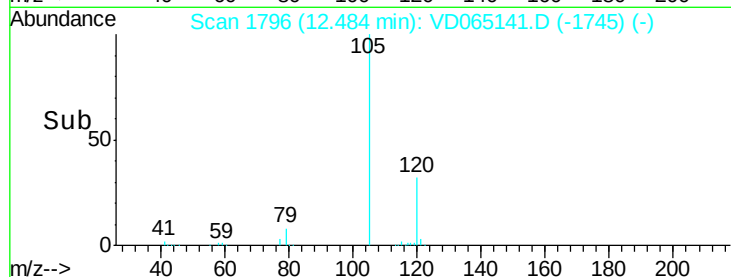
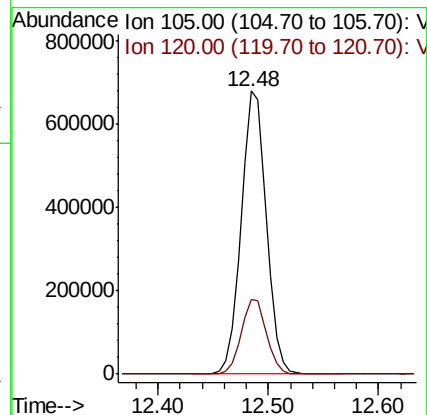
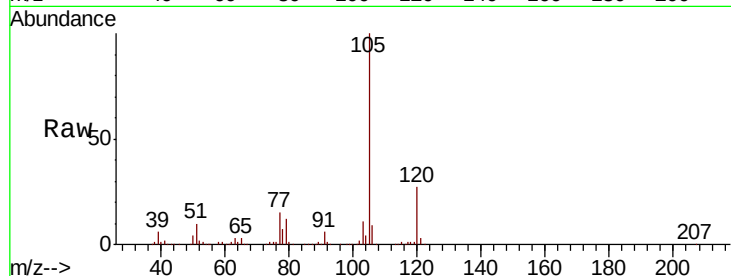
120 26.5 13.3 39.9

Manual Integrations

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#74

N-ethyl acetate

Concen: 49.939 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065141.D

Acq: 11 Feb 2020 10:32

Tgt Ion: 43 Resp: 224130

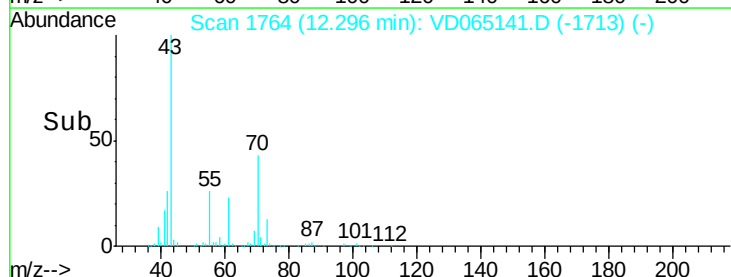
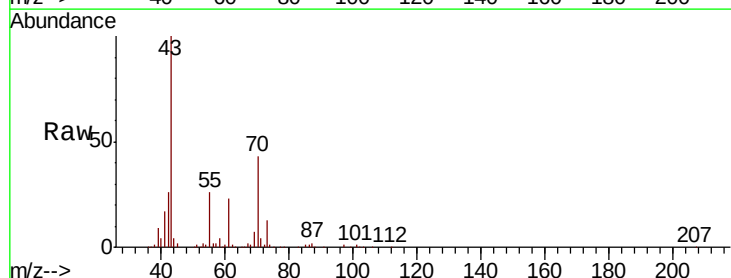
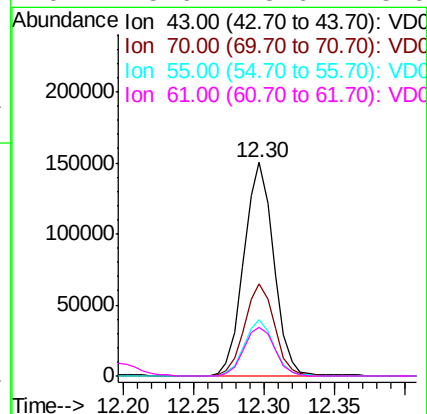
Ion Ratio Lower Upper

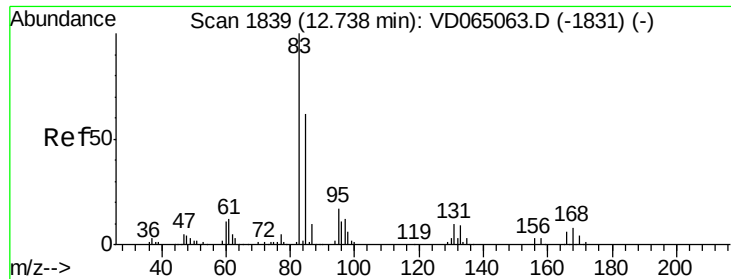
43 100

70 43.4 33.5 50.3

55 26.3 19.4 29.2

61 23.6 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 52.253 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065141.D

Acq: 11 Feb 2020 10:32

Instrument :

MSVOA_D

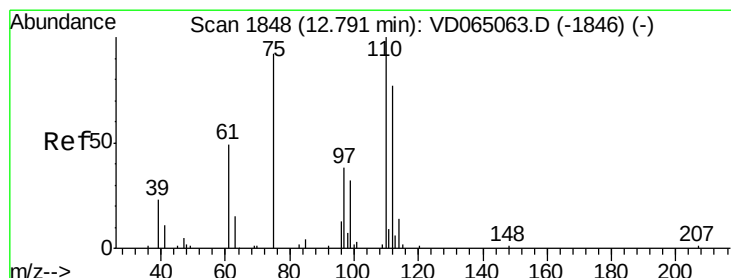
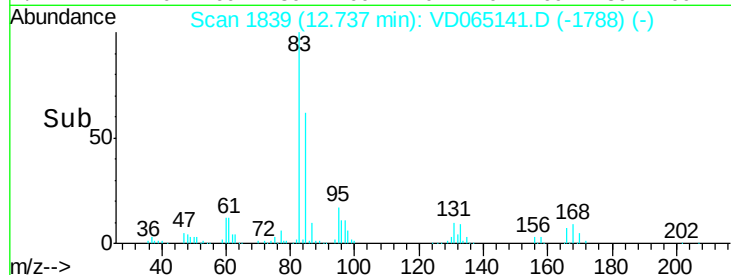
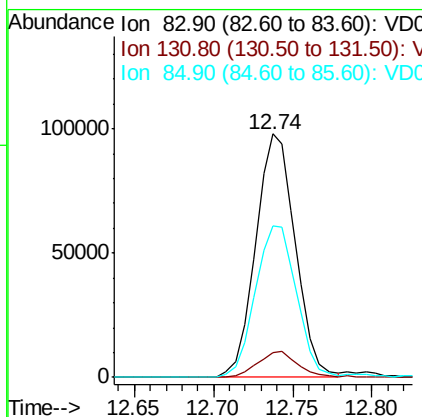
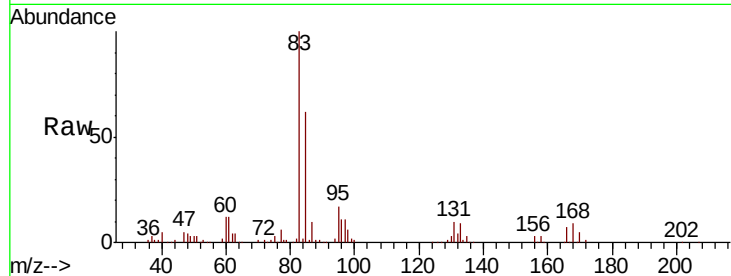
ClientSampleId :

VSTDCCC050

Tot Ion	83	Resp	169810
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.5	16.4
85	64.6	31.8	95.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 52.923 ug/l m

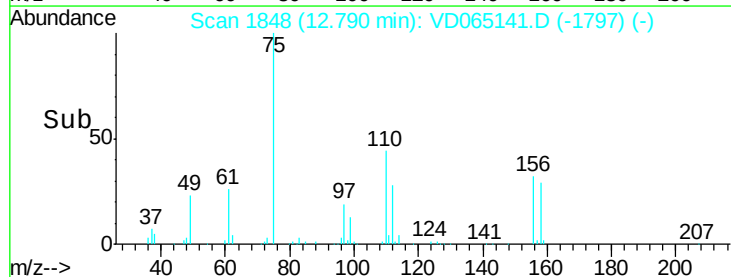
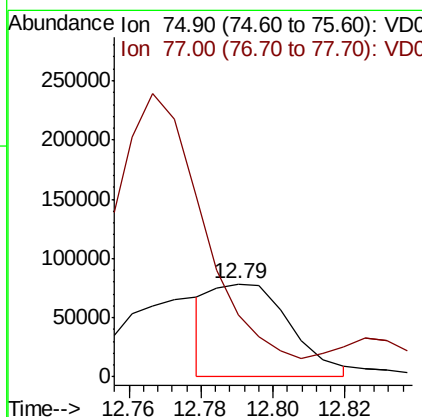
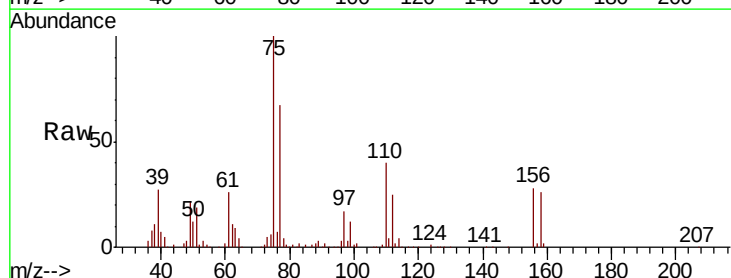
RT: 12.79 min Scan# 1848

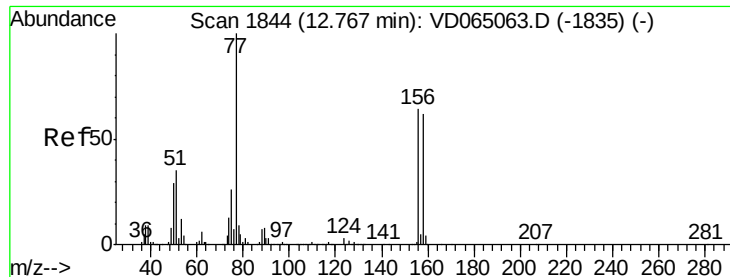
Delta R.T. -0.00 min

Lab File: VD065141.D

Acq: 11 Feb 2020 10:32

Tgt Ion	75	Resp	120542
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 51.198 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065141.D

Acq: 11 Feb 2020 10:32

Instrument :

MSVOA_D

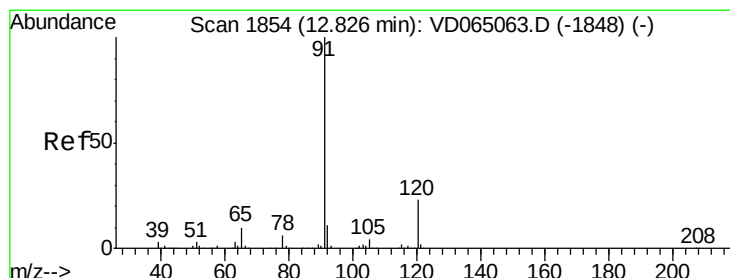
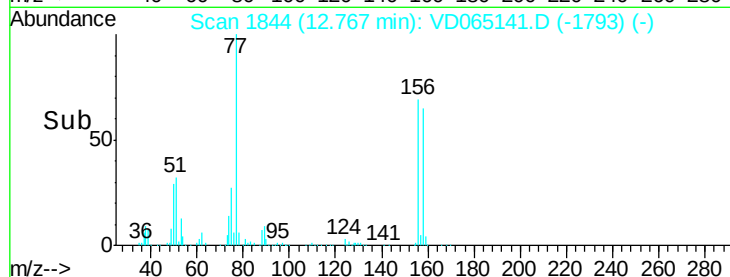
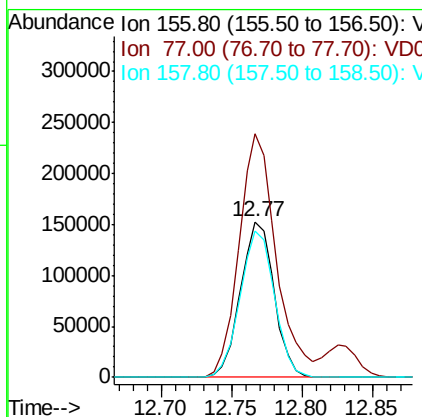
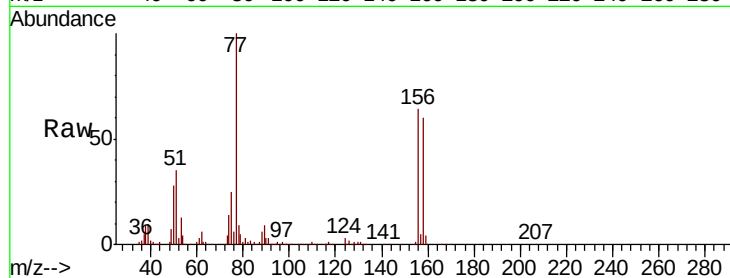
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	254704
Ion	Ratio	Lower	Upper
156	100		
77	171.9	85.6	256.8
158	96.3	47.4	142.2

Manual Integrations
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#78

n-propylbenzene

Concen: 53.744 ug/l

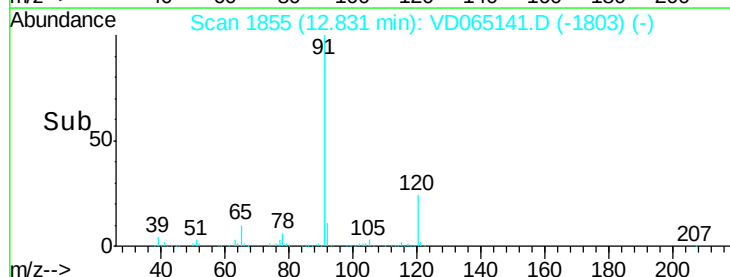
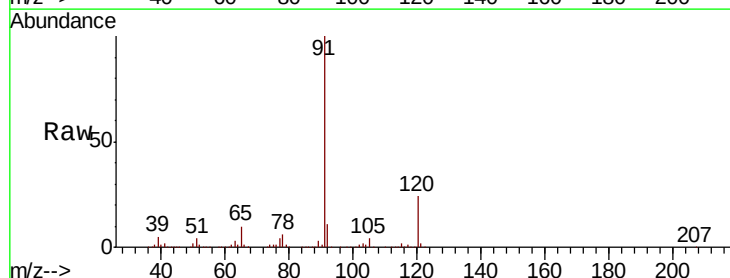
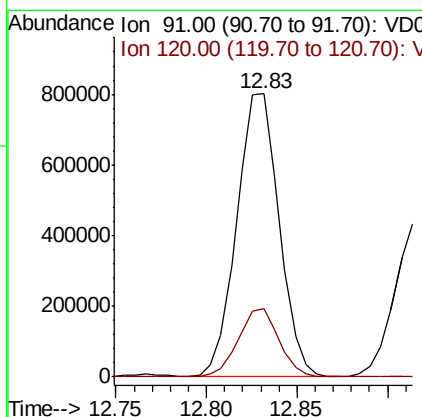
RT: 12.83 min Scan# 1855

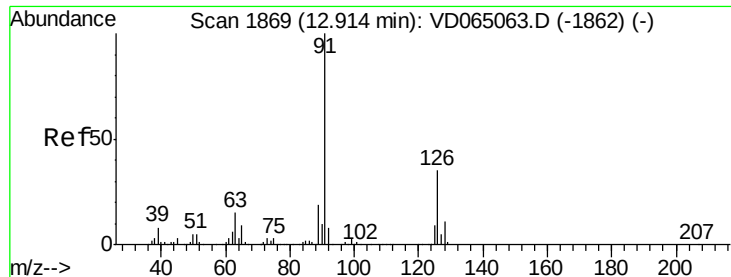
Delta R.T. 0.01 min

Lab File: VD065141.D

Acq: 11 Feb 2020 10:32

Tgt Ion:	91	Resp:	1299599
Ion	Ratio	Lower	Upper
91	100		
120	23.2	11.8	35.3





#79

2-Chlorotoluene

Concen: 52.744 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD065141.D

Acq: 11 Feb 2020 10:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 710928

Ion Ratio Lower Upper

91 100

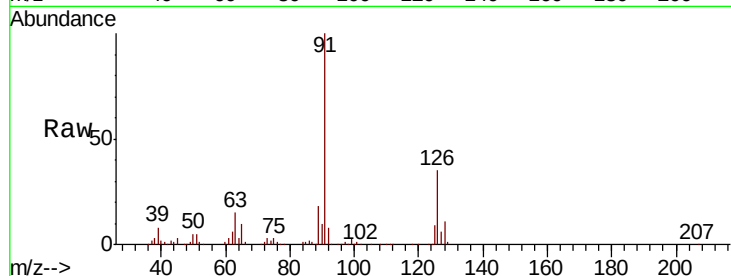
126 35.1 17.4 52.3

Manual Integrations

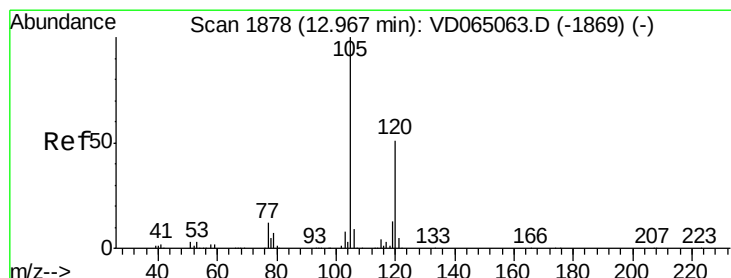
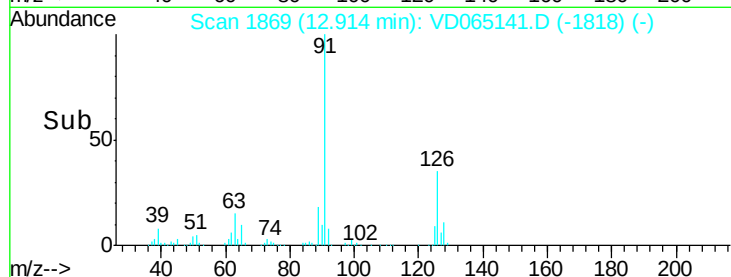
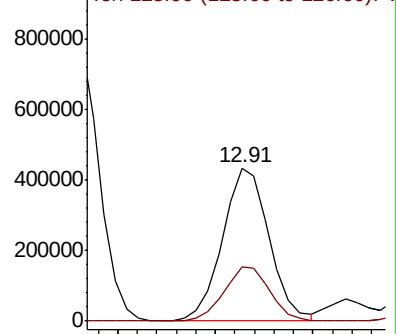
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Abundance Ion 91.00 (90.70 to 91.70): VD065141.D (-1818) (-)



#80

1,3,5-Trimethylbenzene

Concen: 52.689 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD065141.D

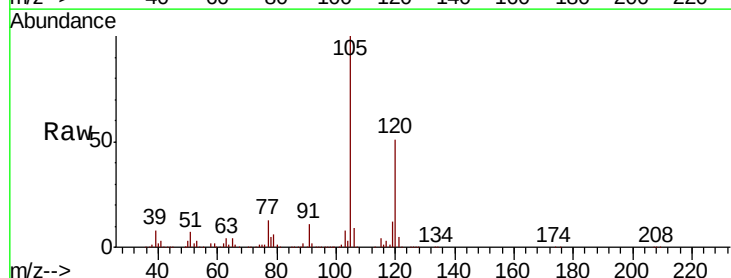
Acq: 11 Feb 2020 10:32

Tgt Ion:105 Resp: 890062

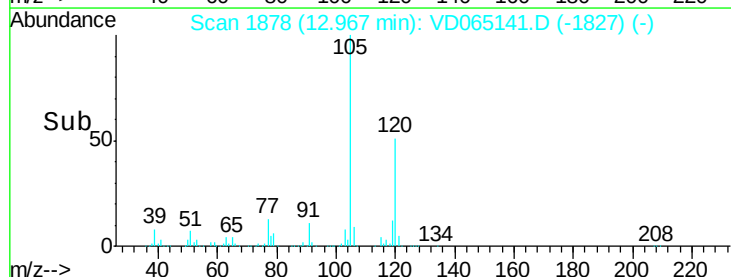
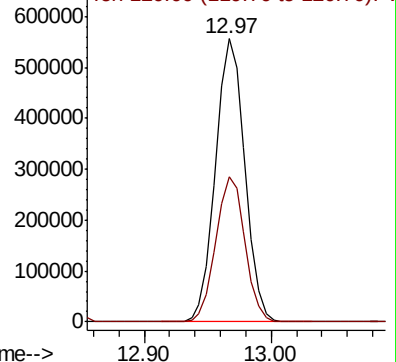
Ion Ratio Lower Upper

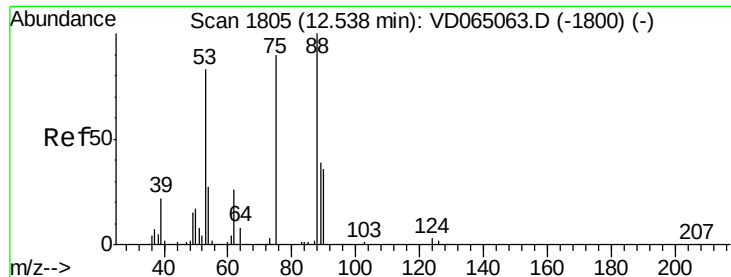
105 100

120 51.2 25.1 75.4



Abundance Ion 105.00 (104.70 to 105.70): VD065141.D (-1827) (-)





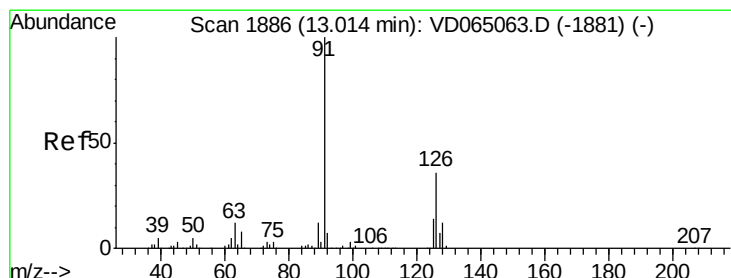
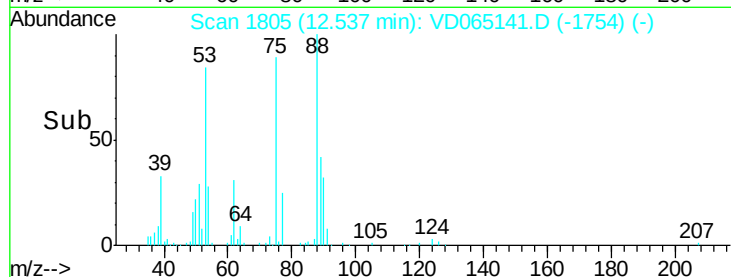
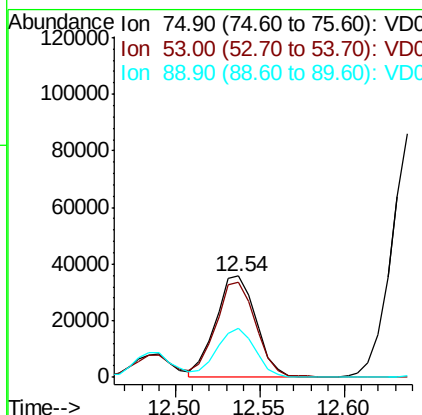
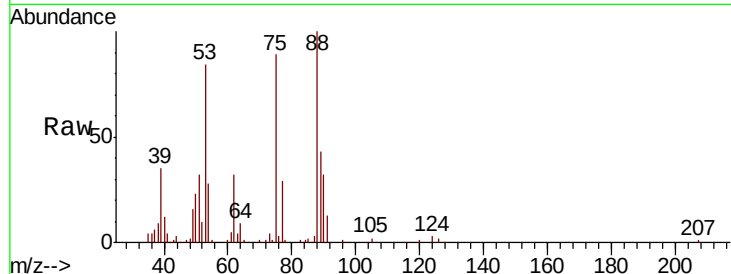
#81
trans-1,4-Dichloro-2-butene
Concen: 52.741 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. -0.00 min
Lab File: VD065141.D
Acq: 11 Feb 2020 10:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	93.1	78.5	117.7
89	46.3	37.0	55.4

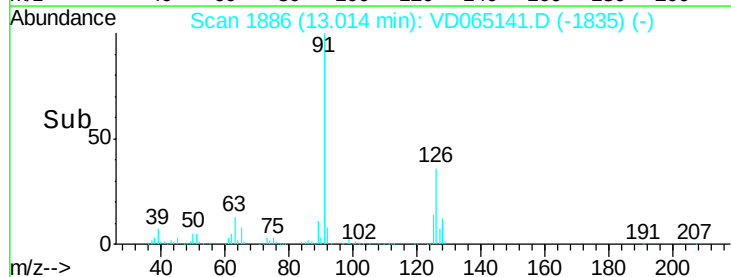
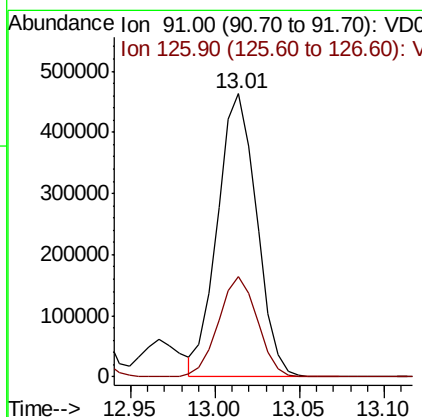
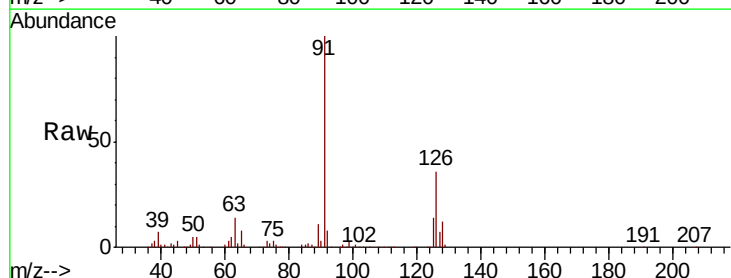
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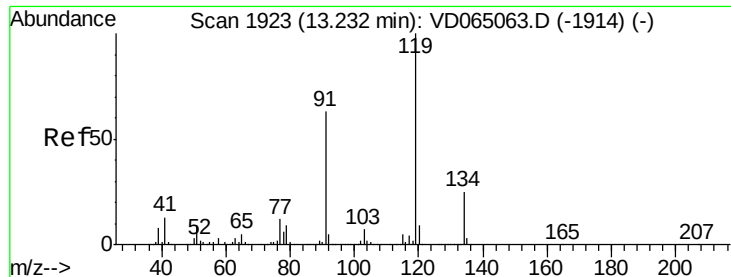
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#82
4-Chlorotoluene
Concen: 52.786 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VD065141.D
Acq: 11 Feb 2020 10:32

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.3	17.5	52.5





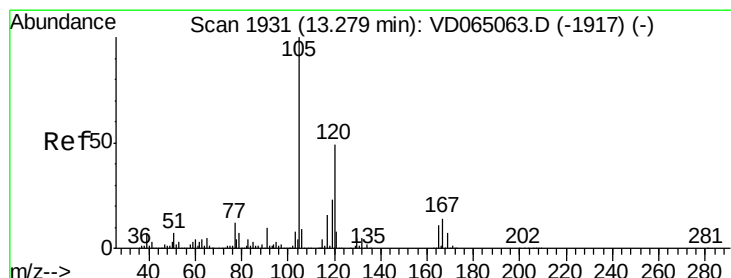
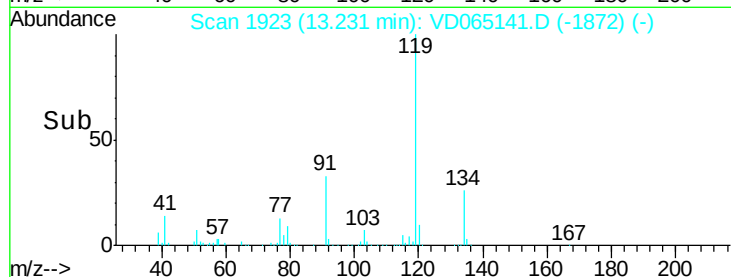
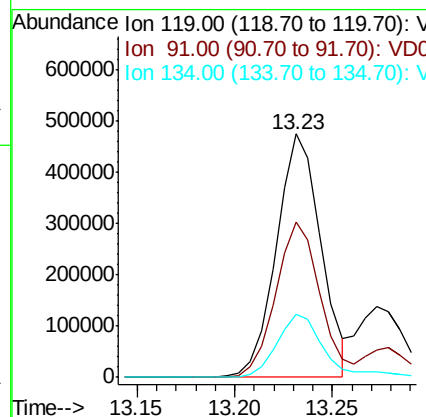
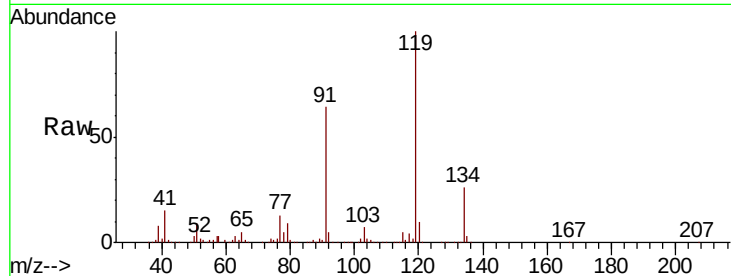
#83
 tert-Butylbenzene
 Concen: 51.316 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VD065141.D
 Acq: 11 Feb 2020 10:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.8	32.3	96.9
134	27.7	13.8	41.3

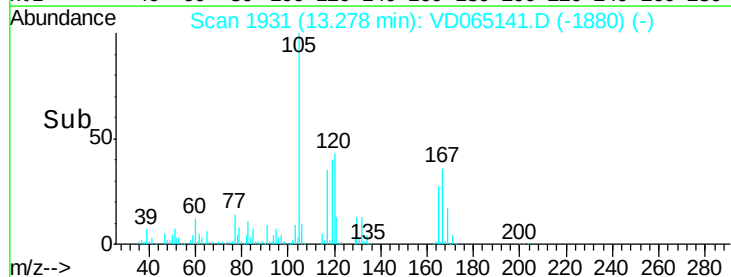
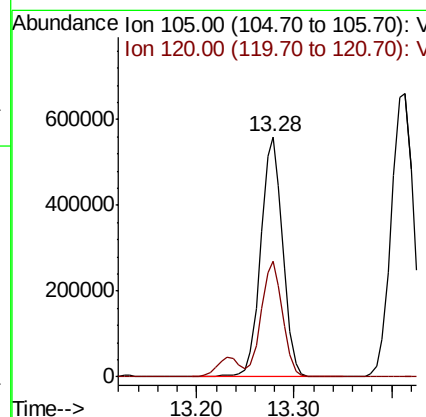
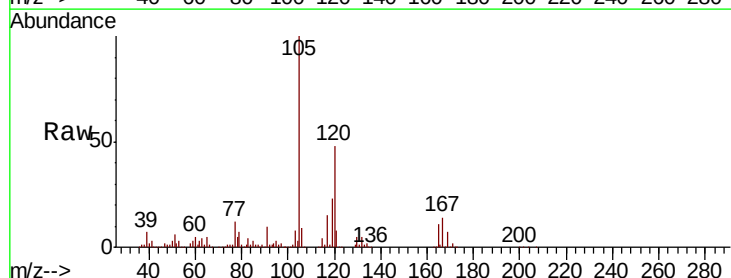
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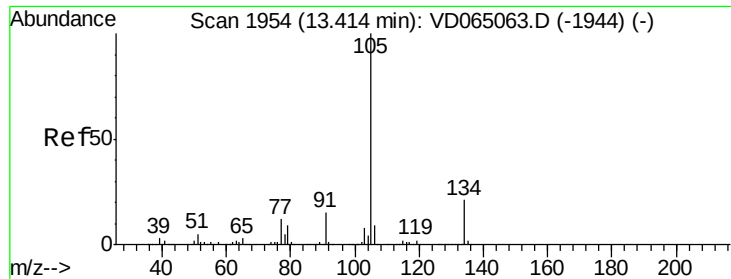
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#84
 1,2,4-Trimethylbenzene
 Concen: 52.921 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. -0.00 min
 Lab File: VD065141.D
 Acq: 11 Feb 2020 10:32

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.7	23.5	70.5





#85

sec-Butylbenzene

Concen: 53.521 ug/l

RT: 13.41 min Scan# 1954

Delta R.T. -0.00 min

Lab File: VD065141.D

Acq: 11 Feb 2020 10:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1065333

Ion Ratio Lower Upper

105 100

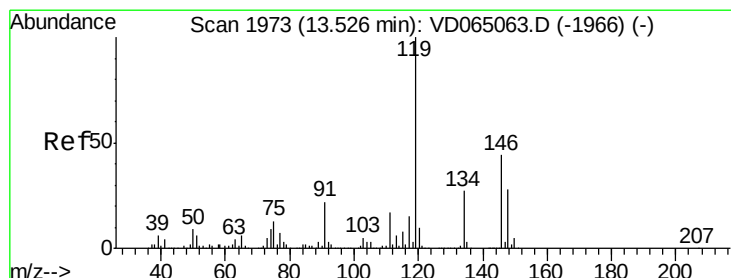
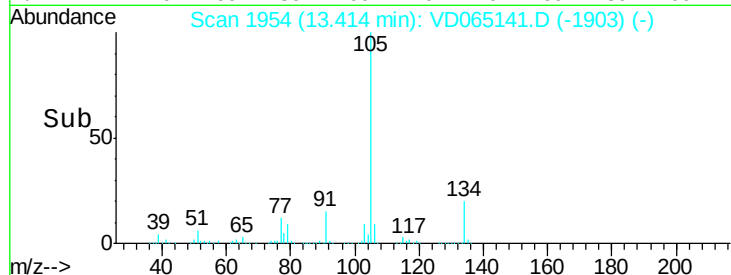
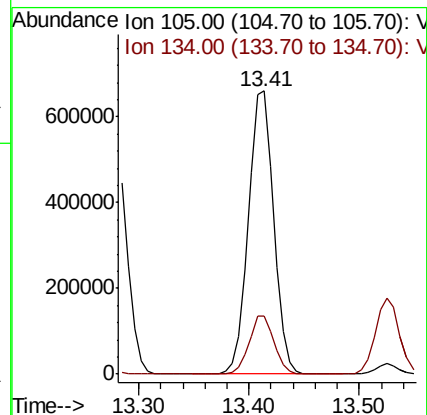
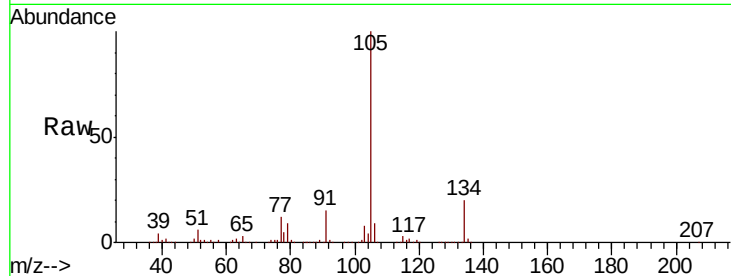
134 20.4 10.4 31.1

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#86

p-Isopropyltoluene

Concen: 53.566 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065141.D

Acq: 11 Feb 2020 10:32

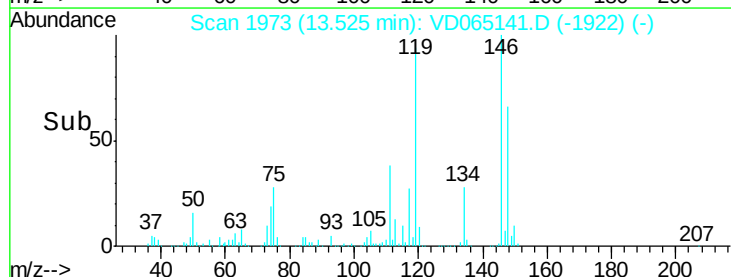
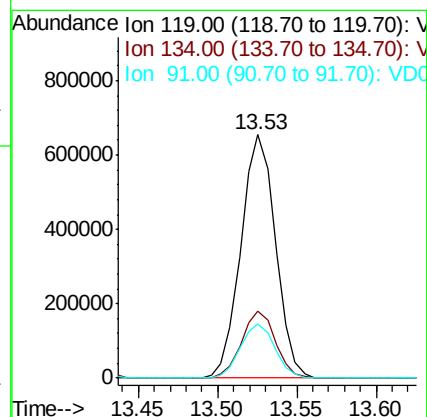
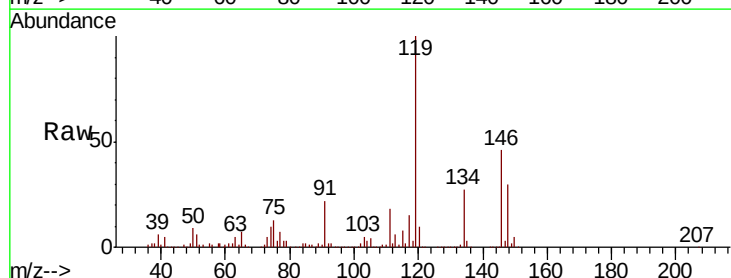
Tgt Ion:119 Resp: 990648

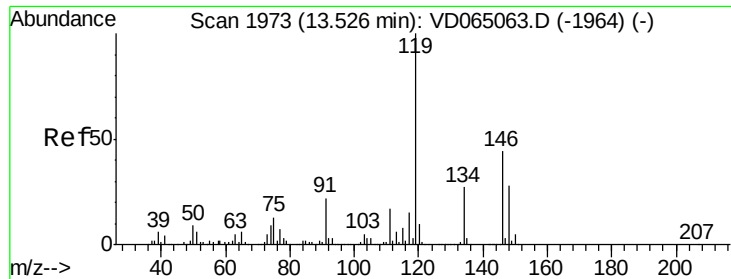
Ion Ratio Lower Upper

119 100

134 26.9 13.5 40.5

91 22.2 11.3 33.9





#87

1,3-Dichlorobenzene

Concen: 52.653 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065141.D

Acq: 11 Feb 2020 10:32

Instrument :

MSVOA_D

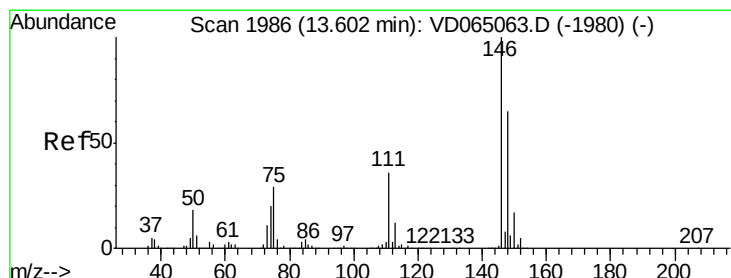
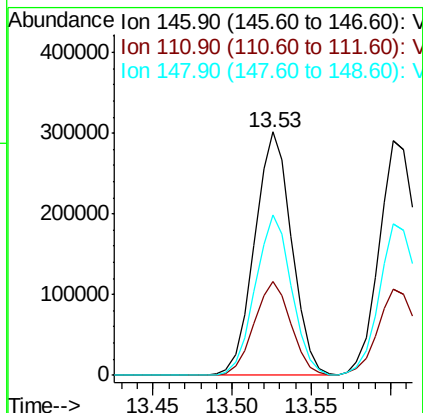
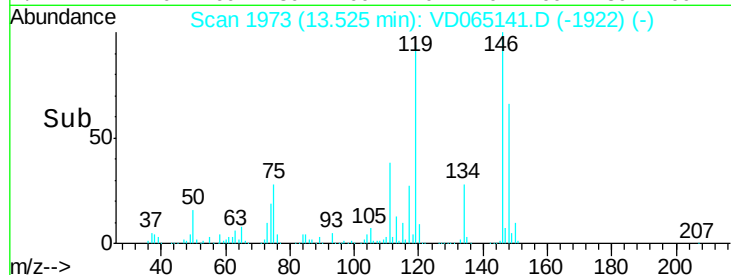
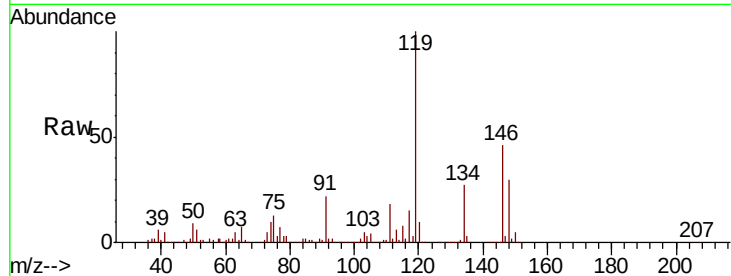
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	490442
Ion Ratio	Lower	Upper	
146	100		
111	38.2	19.4	58.4
148	64.5	32.3	96.8

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 51.974 ug/l

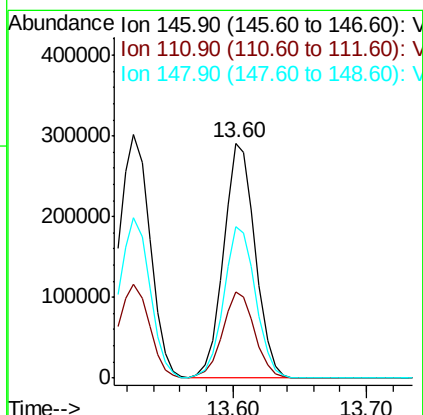
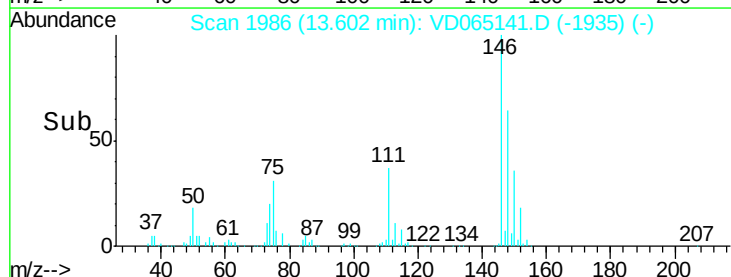
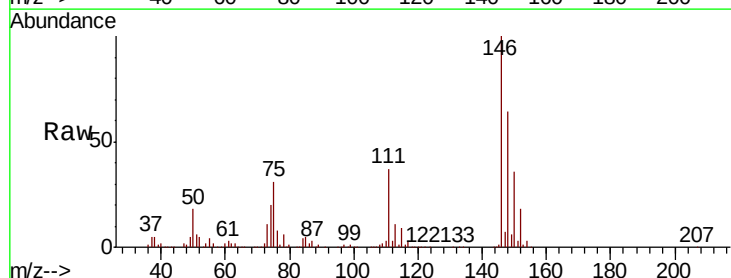
RT: 13.60 min Scan# 1986

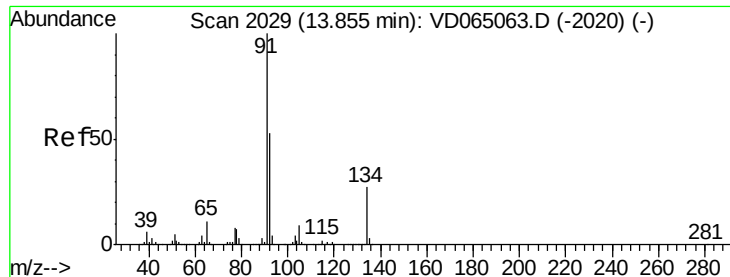
Delta R.T. -0.00 min

Lab File: VD065141.D

Acq: 11 Feb 2020 10:32

Tgt Ion:	146	Resp:	481833
Ion Ratio	Lower	Upper	
146	100		
111	37.1	18.5	55.5
148	64.7	32.7	98.1





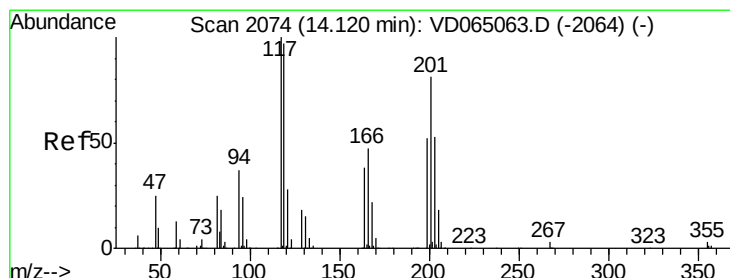
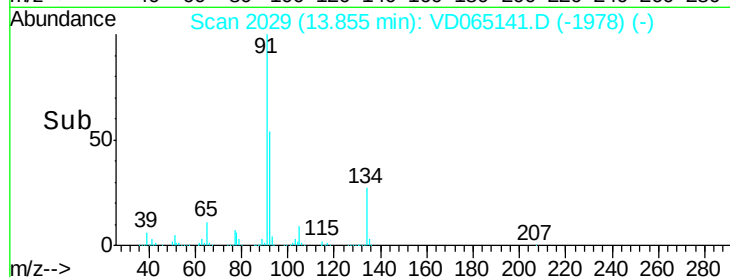
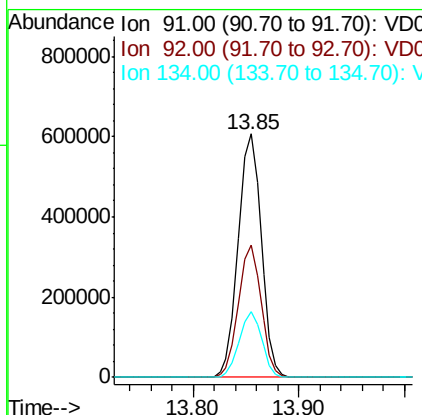
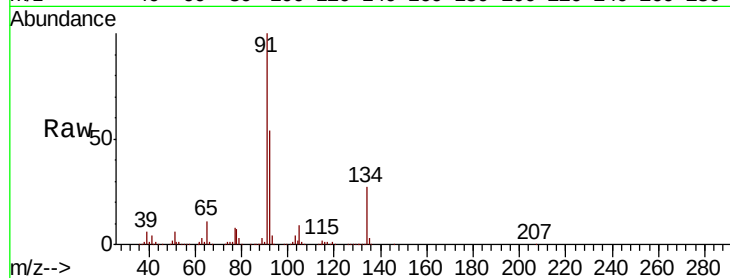
#89
n-Butylbenzene
Concen: 53.667 ug/l
RT: 13.85 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD065141.D
Acq: 11 Feb 2020 10:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.5	26.7	80.1
134	26.6	13.4	40.2

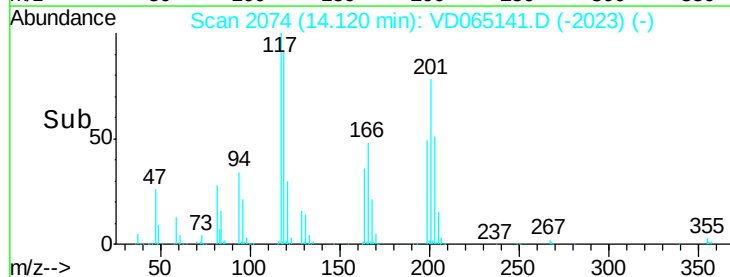
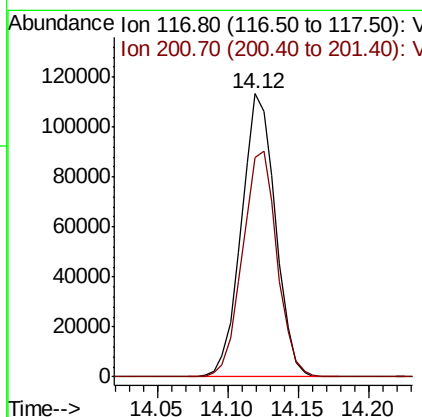
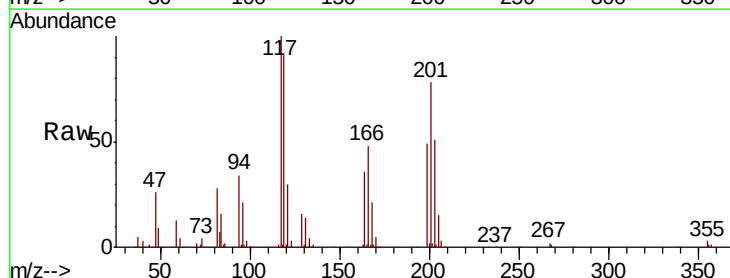
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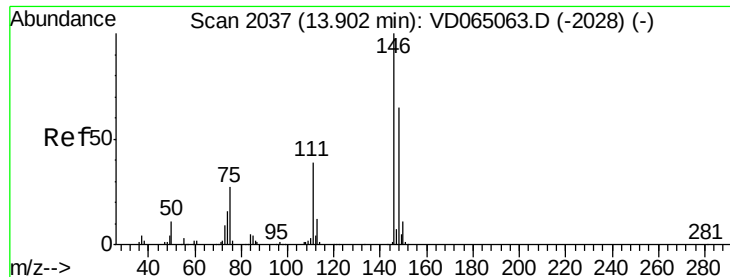
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#90
Hexachloroethane
Concen: 54.556 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065141.D
Acq: 11 Feb 2020 10:32

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.2	42.5	127.6





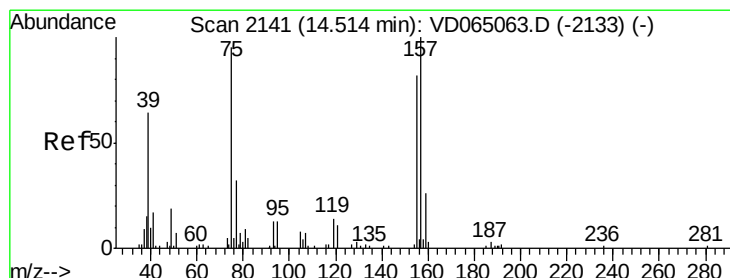
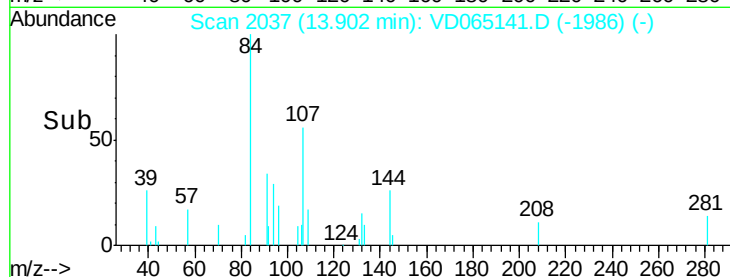
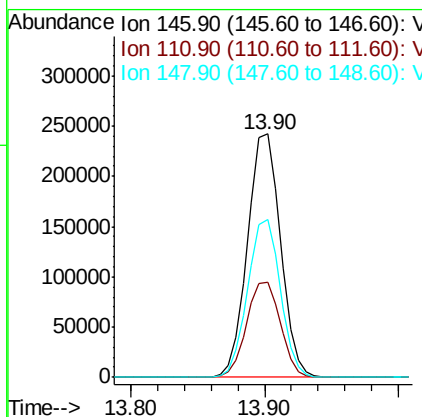
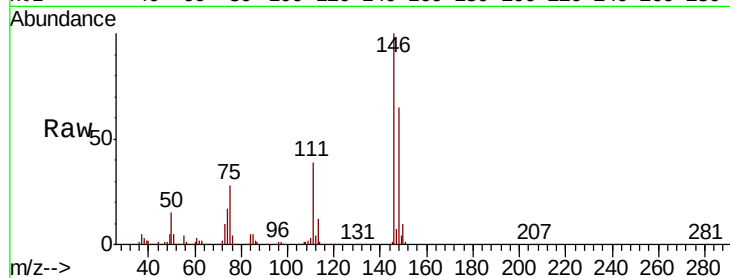
#91
 1,2-Dichlorobenzene
 Concen: 51.781 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VD065141.D
 Acq: 11 Feb 2020 10:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	19.7	59.1
148	64.3	31.9	95.5

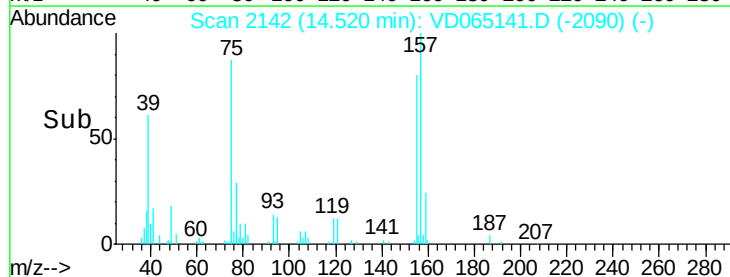
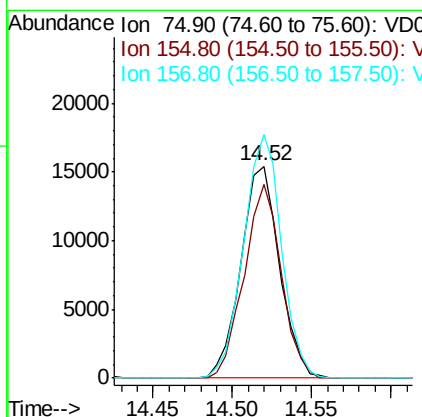
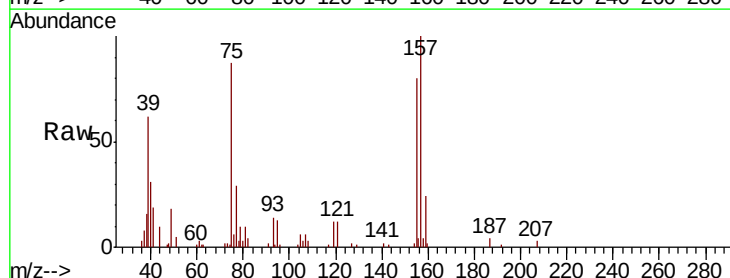
Manual Integrations
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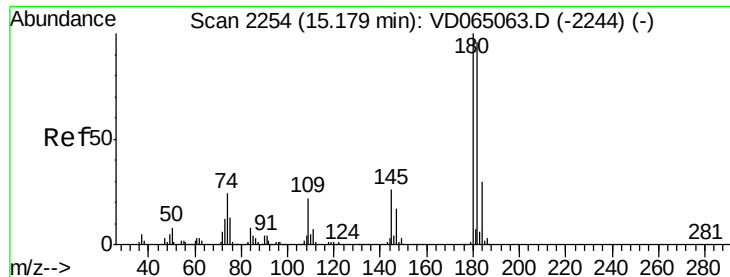
MMDadoda
 2/12/2020 3:12:41 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.310 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.01 min
 Lab File: VD065141.D
 Acq: 11 Feb 2020 10:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.4	43.4	130.1
157	113.0	55.8	167.3





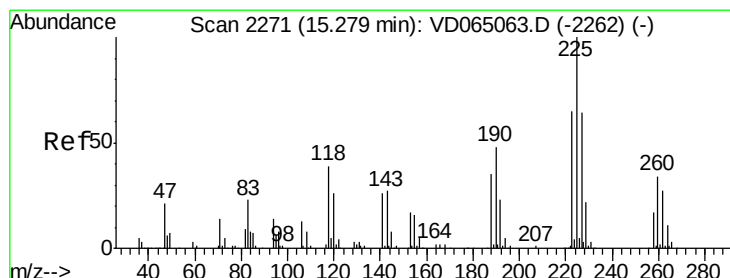
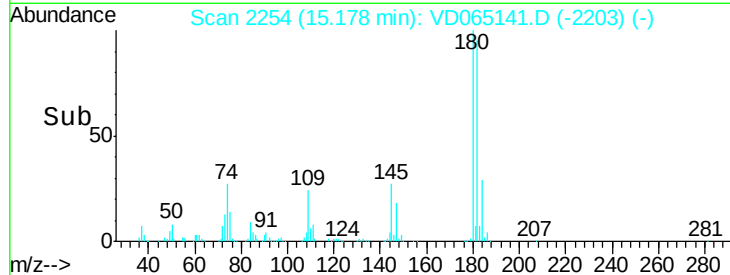
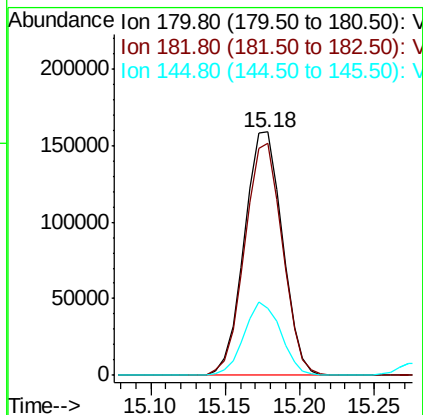
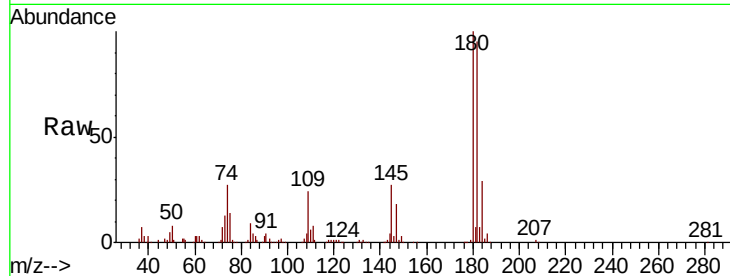
#93
 1,2,4-Trichlorobenzene
 Concen: 49.151 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. -0.00 min
 Lab File: VD065141.D
 Acq: 11 Feb 2020 10:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	280273		
182	94.3		47.4	142.3
145	28.9		14.1	42.4

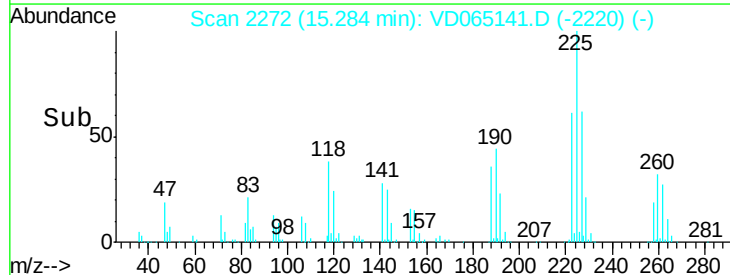
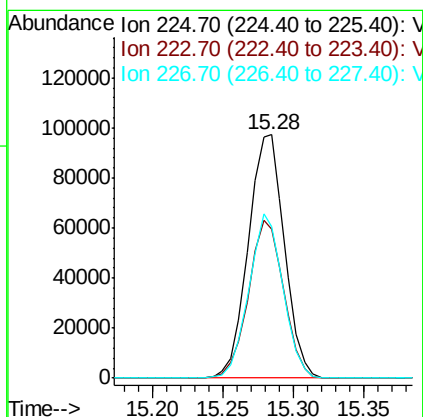
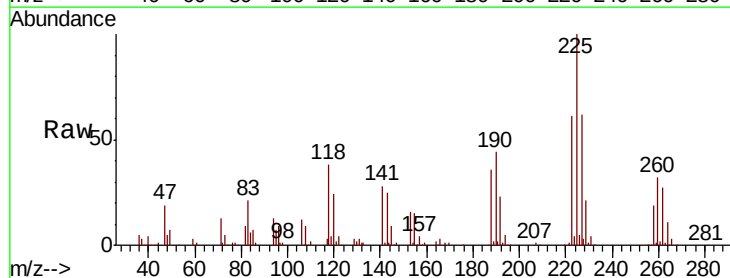
Manual Integrations
 APPROVED

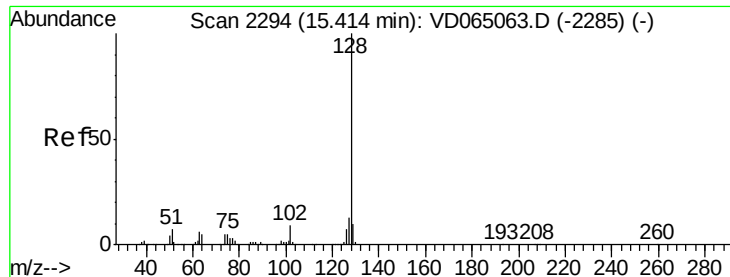
MMDadoda
 2/12/2020 3:12:41 PM



#94
 Hexachlorobutadiene
 Concen: 49.842 ug/l
 RT: 15.28 min Scan# 2272
 Delta R.T. 0.01 min
 Lab File: VD065141.D
 Acq: 11 Feb 2020 10:32

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	174757		
223	63.0		31.4	94.0
227	63.5		31.8	95.3





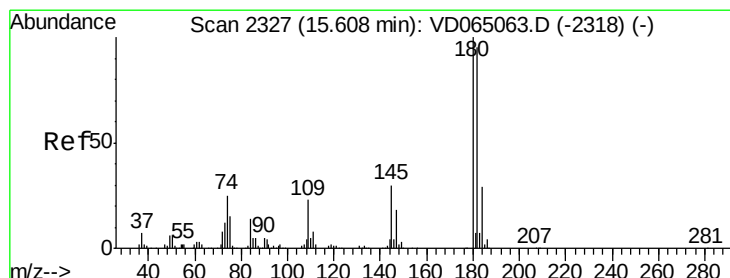
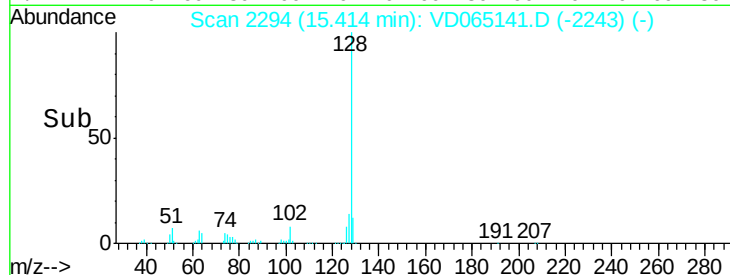
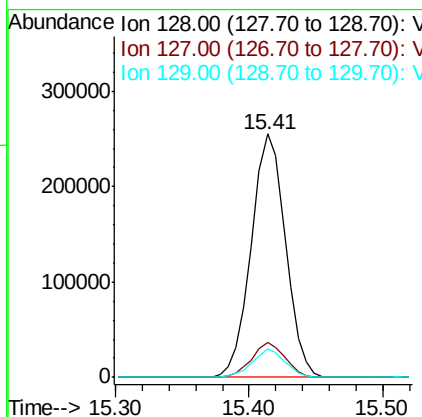
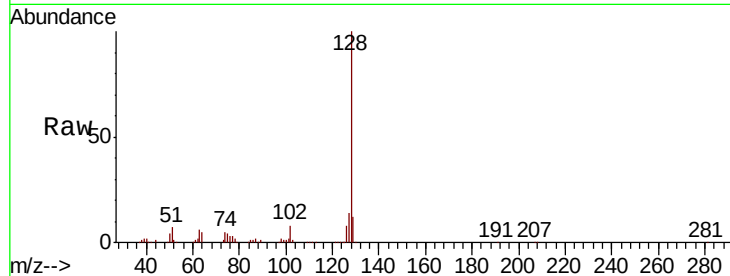
#95
Naphthalene
Concen: 47.805 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD065141.D
Acq: 11 Feb 2020 10:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.6	15.8
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
2/12/2020 3:12:41 PM



#96
1,2,3-Trichlorobenzene
Concen: 49.055 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065141.D
Acq: 11 Feb 2020 10:32

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.1	141.4
145	30.2	14.9	44.9

