

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032420\
 Data File : VD065521.D
 Acq On : 24 Mar 2020 16:00
 Operator : VA/SY
 Sample : VD0324SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0324SBS01

Manual Integrations
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 3/25/2020 10:40:06 AM

Quant Time: Mar 25 03:00:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 01:22:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	424282	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	620602	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	571998	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	299634	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	183884	50.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.04%	
35) Dibromofluoromethane	7.92	113	198035	51.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.20%	
50) Toluene-d8	10.34	98	735075	49.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.86%	
62) 4-Bromofluorobenzene	12.64	95	242126	53.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	76759	21.051	ug/l	99
3) Chloromethane	2.21	50	95191	21.623	ug/l	98
4) Vinyl Chloride	2.35	62	95156	21.914	ug/l	100
5) Bromomethane	2.77	94	62357	23.049	ug/l	90
6) Chloroethane	2.93	64	59095	22.221	ug/l	98
7) Trichlorofluoromethane	3.27	101	140132	21.902	ug/l	98
8) Diethyl Ether	3.70	74	43179	22.693	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	93945	22.798	ug/l	97
10) Methyl Iodide	4.30	142	96063	22.439	ug/l	97
11) Tert butyl alcohol	5.24	59	20976	100.479	ug/l #	95
12) 1,1-Dichloroethene	4.07	96	85641	21.704	ug/l	91
13) Acrolein	3.92	56	25326	70.344	ug/l	100
14) Allyl chloride	4.71	41	126202	20.820	ug/l	98
15) Acrylonitrile	5.43	53	94842	114.576	ug/l	99
16) Acetone	4.17	43	78513	106.668	ug/l	99
17) Carbon Disulfide	4.40	76	265178	20.180	ug/l	98
18) Methyl Acetate	4.73	43	44540	23.855	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	174991	23.061	ug/l	96
20) Methylene Chloride	4.97	84	106877	25.011	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	97949	22.315	ug/l	96
22) Diisopropyl ether	6.37	45	264840	23.503	ug/l	99
23) Vinyl Acetate	6.31	43	702643	112.304	ug/l	100
24) 1,1-Dichloroethane	6.27	63	166114	22.984	ug/l	96
25) 2-Butanone	7.22	43	109949	109.461	ug/l	98
26) 2,2-Dichloropropane	7.21	77	139933	22.155	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	101963	22.726	ug/l	99
28) Bromochloromethane	7.55	49	67032	23.181	ug/l	98
29) Tetrahydrofuran	7.57	42	71322	111.188	ug/l	99
30) Chloroform	7.71	83	169803	23.505	ug/l	95
31) Cyclohexane	7.98	56	146835	20.317	ug/l	93
32) 1,1,1-Trichloroethane	7.90	97	152220	22.801	ug/l	100
36) 1,1-Dichloropropene	8.11	75	129398	21.752	ug/l	97
37) Ethyl Acetate	7.30	43	51079	22.215	ug/l	97
38) Carbon Tetrachloride	8.10	117	139985	22.692	ug/l	95

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	144939	20.173	ug/l	93
40) Benzene	8.36	78	377598	22.702	ug/l	100
41) Methacrylonitrile	7.53	41	28690	23.594	ug/l	91
42) 1,2-Dichloroethane	8.43	62	105536	24.299	ug/l	100
43) Isopropyl Acetate	8.46	43	94031	22.148	ug/l	98
44) Trichloroethene	9.12	130	108191	23.033	ug/l	97
45) 1,2-Dichloropropane	9.39	63	93617	23.236	ug/l	99
46) Dibromomethane	9.48	93	49124	23.506	ug/l	94
47) Bromodichloromethane	9.67	83	128704	23.672	ug/l	97
48) Methyl methacrylate	9.46	41	44365	22.215	ug/l	99
49) 1,4-Dioxane	9.47	88	11290	472.286	ug/l	91
51) 4-Methyl-2-Pentanone	10.23	43	247544	115.866	ug/l	99
52) Toluene	10.41	92	241349	23.034	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	118547	23.332	ug/l	100
54) cis-1,3-Dichloropropene	10.10	75	145147	23.601	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	71273	24.079	ug/l	94
56) Ethyl methacrylate	10.67	69	75000	22.476	ug/l	98
57) 1,3-Dichloropropane	10.95	76	118586	23.678	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	109346	106.112	ug/l	99
59) 2-Hexanone	10.99	43	166231	112.398	ug/l	99
60) Dibromochloromethane	11.14	129	95052	25.052	ug/l	98
61) 1,2-Dibromoethane	11.25	107	67237	23.815	ug/l	99
64) Tetrachloroethene	10.88	164	94675	23.099	ug/l	96
65) Chlorobenzene	11.67	112	261373	23.091	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	99004	24.016	ug/l	98
67) Ethyl Benzene	11.75	91	434672	22.224	ug/l	99
68) m/p-Xylenes	11.86	106	350193	46.436	ug/l	100
69) o-Xylene	12.18	106	149460	22.530	ug/l	98
70) Styrene	12.20	104	277327	23.754	ug/l	99
71) Bromoform	12.37	173	55937	24.157	ug/l #	99
73) Isopropylbenzene	12.48	105	414218	21.017	ug/l	100
74) N-amyl acetate	12.30	43	83853	20.783	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	74921	21.627	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	51880m	21.943	ug/l	
77) Bromobenzene	12.77	156	111043	22.678	ug/l	97
78) n-propylbenzene	12.83	91	503505	21.532	ug/l	99
79) 2-Chlorotoluene	12.91	91	288881	21.920	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	352442	21.752	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.54	75	23453	20.933	ug/l	97
82) 4-Chlorotoluene	13.01	91	304899	22.016	ug/l	98
83) tert-Butylbenzene	13.23	119	283534	20.685	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	349459	21.881	ug/l	100
85) sec-Butylbenzene	13.41	105	415138	21.217	ug/l	100
86) p-Isopropyltoluene	13.53	119	382452	21.421	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	214332	22.767	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	211826	22.620	ug/l	99
89) n-Butylbenzene	13.86	91	342132	20.728	ug/l	99
90) Hexachloroethane	14.12	117	79710	21.679	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	185490	23.154	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.52	75	11426	21.657	ug/l	98

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ClientSampleId :
VD0324SBSD01

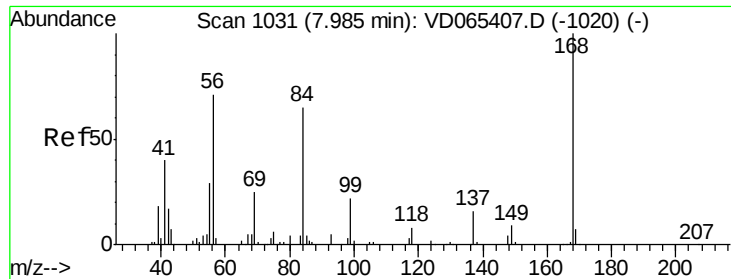
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	123161	22.683	ug/l	98
94) Hexachlorobutadiene	15.28	225	79795	22.366	ug/l	99
95) Naphthalene	15.41	128	182471	21.600	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	105085	22.397	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065521.D

Acq: 24 Mar 2020 16:00

Instrument :

MSVOA_D

ClientSampleId :

VD0324SBSD01

Tot Ion:168 Resp: 424282

Ion Ratio Lower Upper

168 100

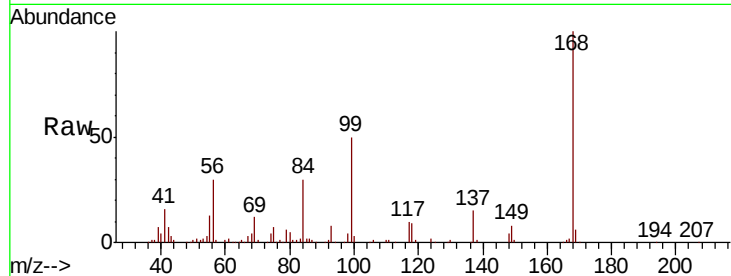
99 50.2 41.5 62.3

Manual Integrations

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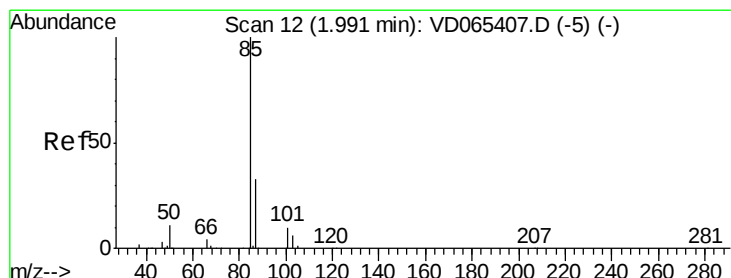
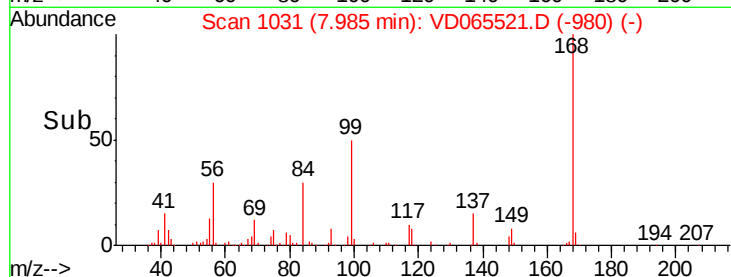
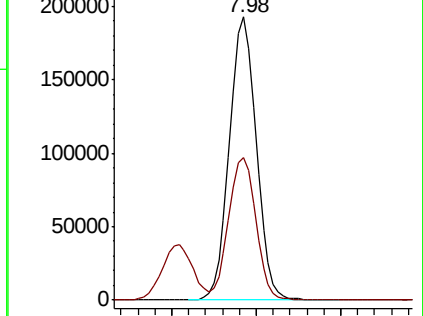
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 21.051 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065521.D

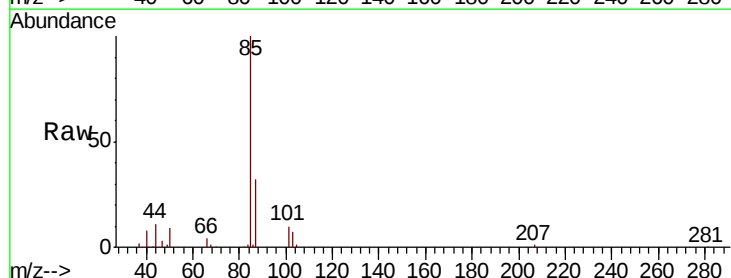
Acq: 24 Mar 2020 16:00

Tgt Ion: 85 Resp: 76759

Ion Ratio Lower Upper

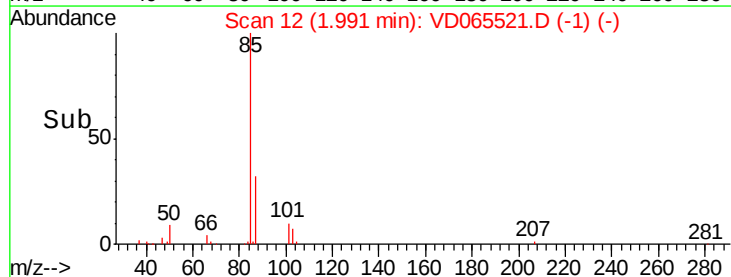
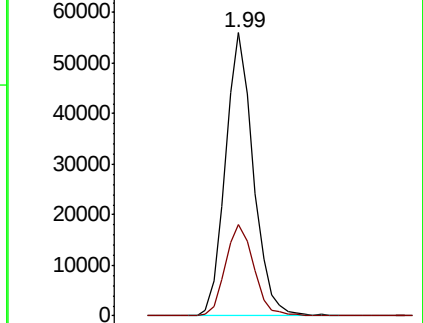
85 100

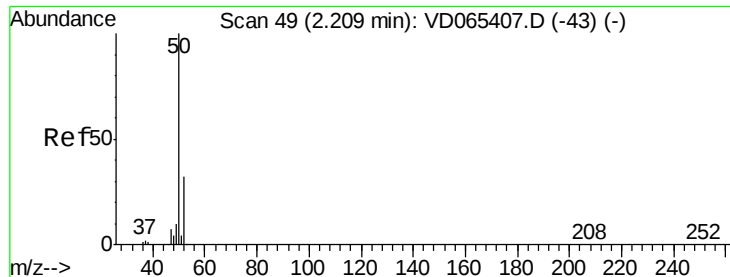
87 32.4 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.623 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065521.D

Acq: 24 Mar 2020 16:00

Instrument :

MSVOA_D

ClientSampleId :

VD0324SBSD01

Tot Ion: 50 Resp: 95191

Ion Ratio Lower Upper

50 100

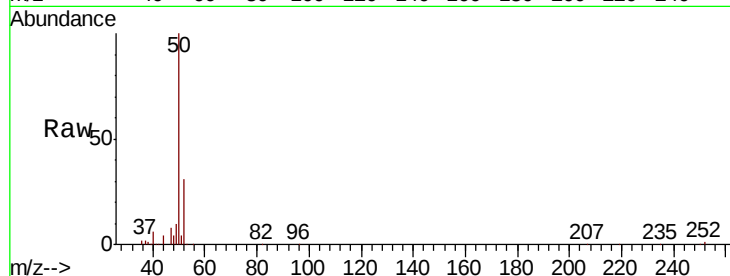
52 31.1 25.8 38.8

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

80000

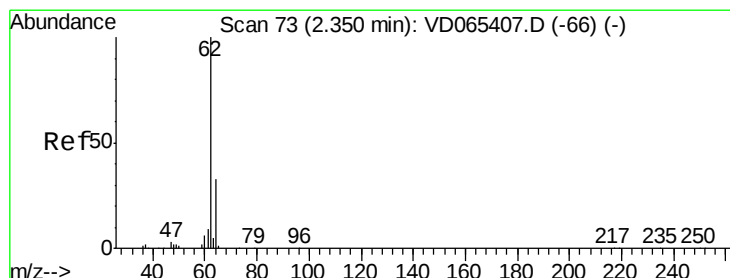
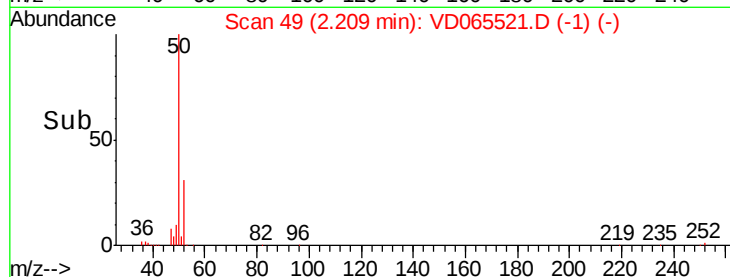
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 21.914 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065521.D

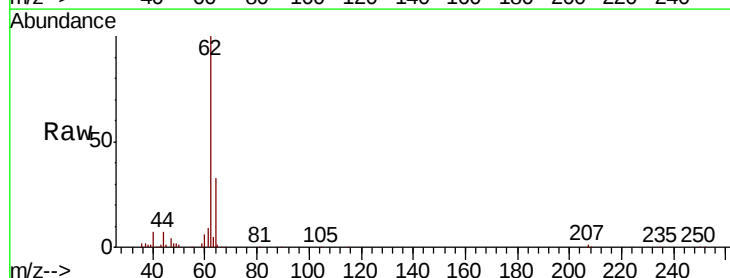
Acq: 24 Mar 2020 16:00

Tgt Ion: 62 Resp: 95156

Ion Ratio Lower Upper

62 100

64 33.0 26.6 39.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

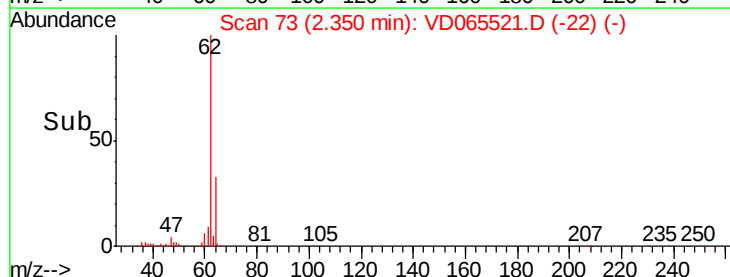
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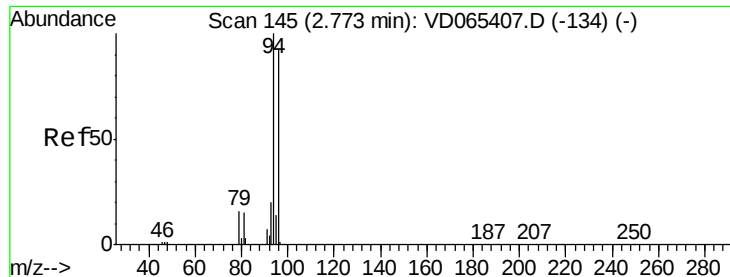
40000

20000

0

Time-->





#5

Bromomethane

Concen: 23.049 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD065521.D

Acq: 24 Mar 2020 16:00

Instrument :

MSVOA_D

ClientSampleId :

VD0324SBS01

Tot Ion: 94 Resp: 62357

Ion Ratio Lower Upper

94 100

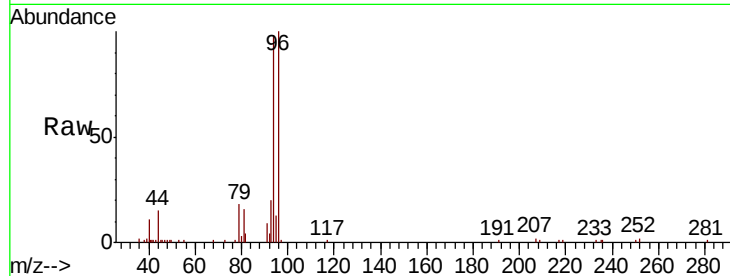
96 102.2 74.4 111.6

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

30000

25000

20000

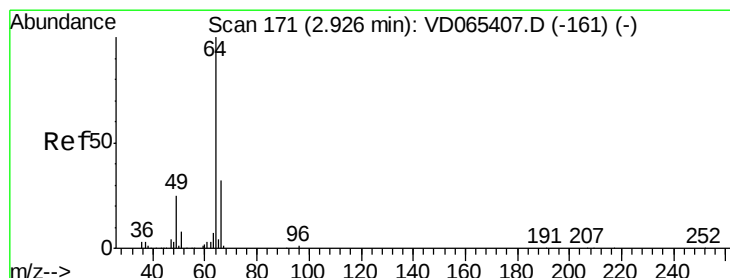
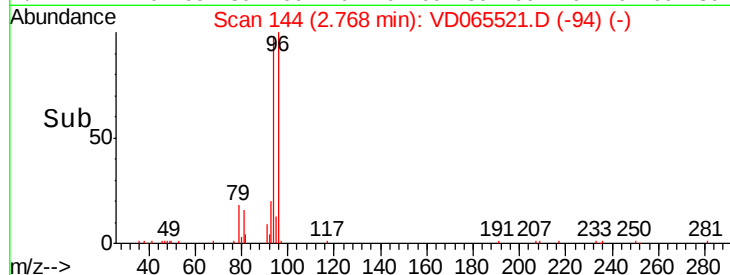
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 22.221 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD065521.D

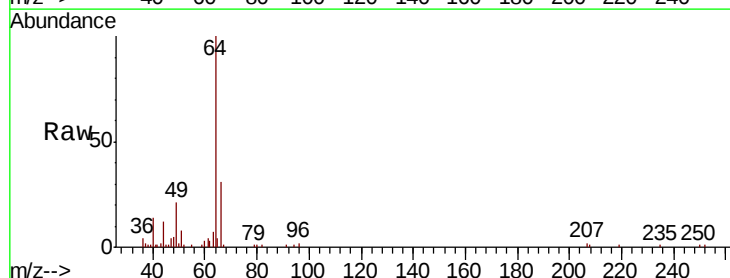
Acq: 24 Mar 2020 16:00

Tgt Ion: 64 Resp: 59095

Ion Ratio Lower Upper

64 100

66 31.0 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.93

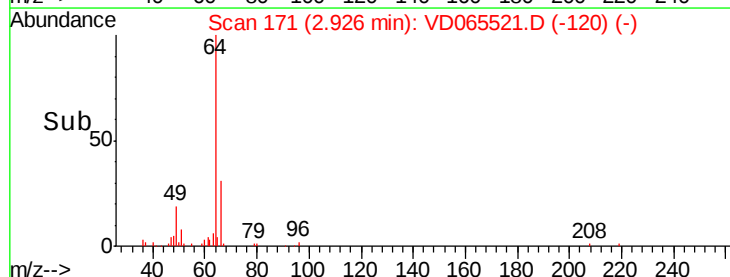
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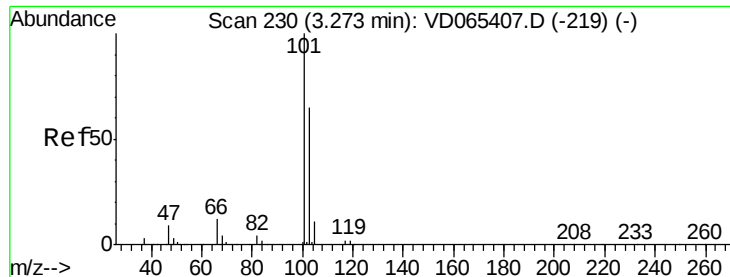
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Time-->





#7

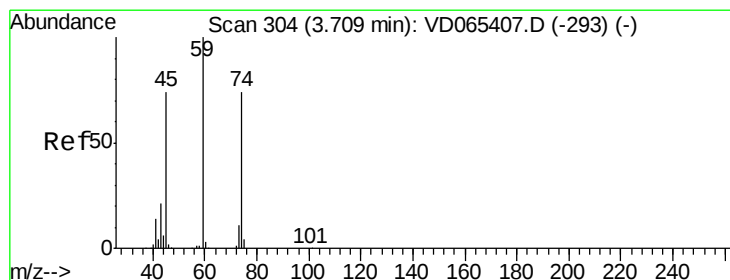
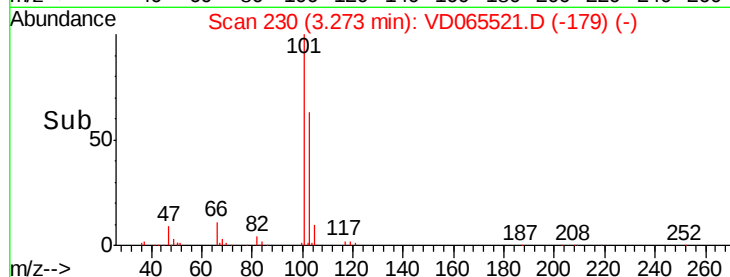
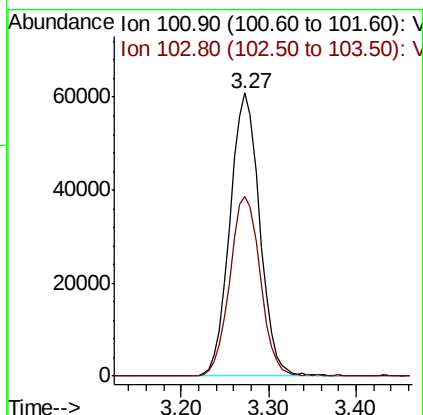
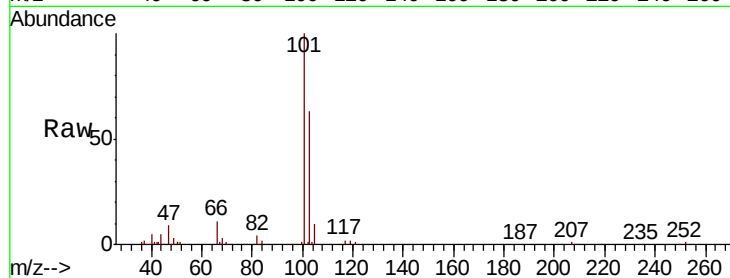
Trichlorofluoromethane
 Concen: 21.902 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD065521.D
 Acq: 24 Mar 2020 16:00

Instrument :
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 ClientSampleId :
 VD0324SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.4	52.1	78.1

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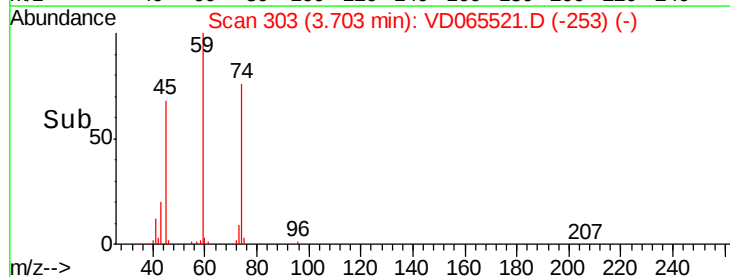
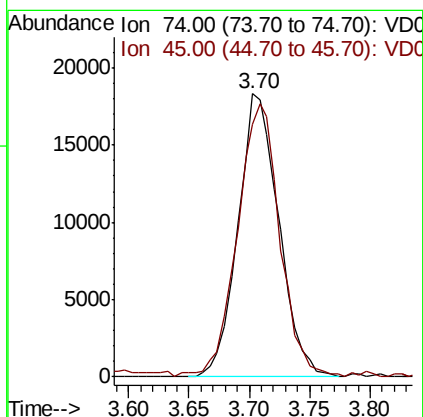
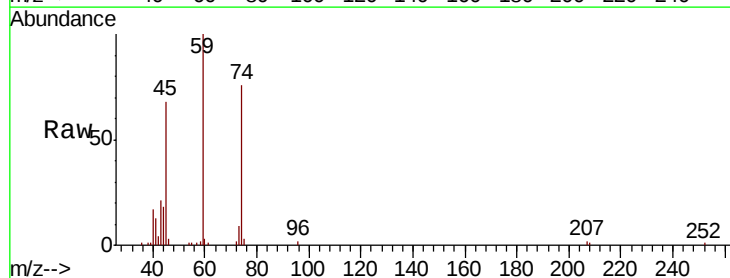
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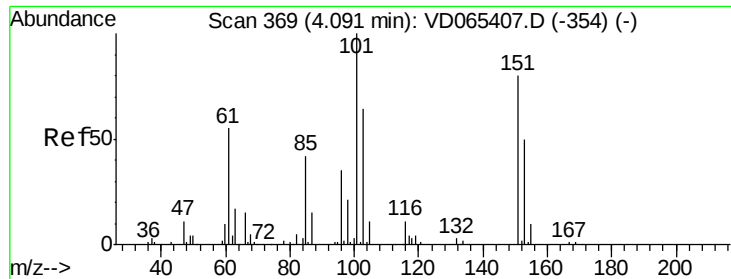


#8

Diethyl Ether
 Concen: 22.693 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD065521.D
 Acq: 24 Mar 2020 16:00

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.2	49.5	148.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.798 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065521.D

Acq: 24 Mar 2020 16:00

Instrument :

MSVOA_D

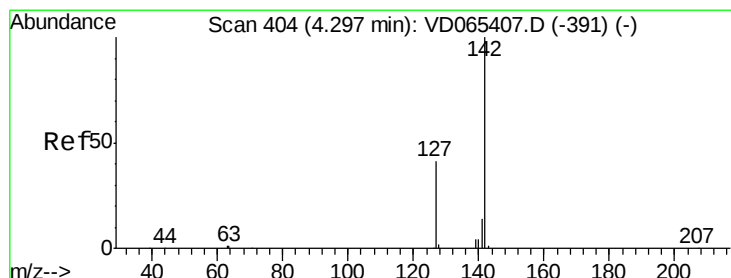
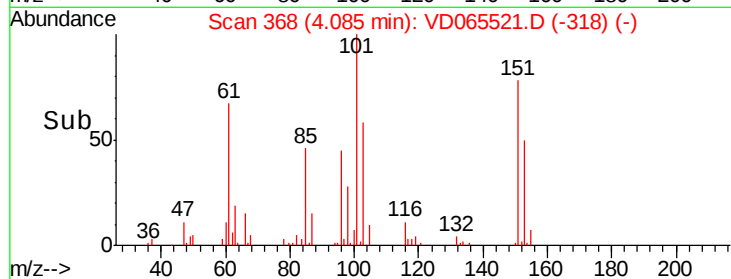
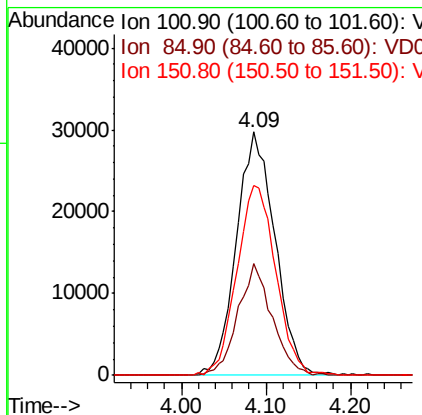
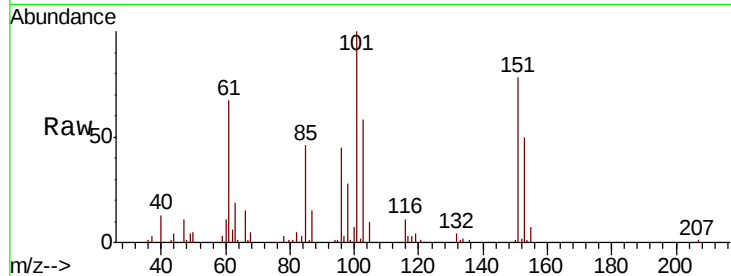
ClientSampleId :

VD0324SBSD01

Tot Ion:	101	Resp:	93945
Ion Ratio	Lower	Upper	
101	100		
85	40.8	34.2	51.2
151	78.8	65.1	97.7

Manual Integrations
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#10

Methyl Iodide

Concen: 22.439 ug/l

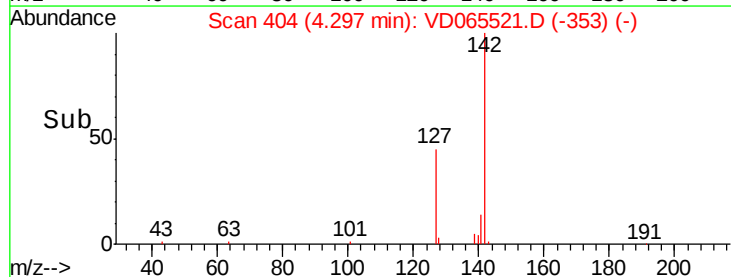
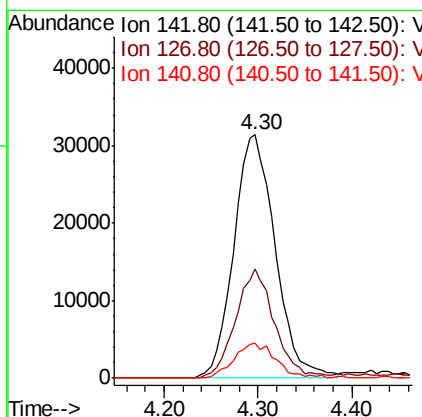
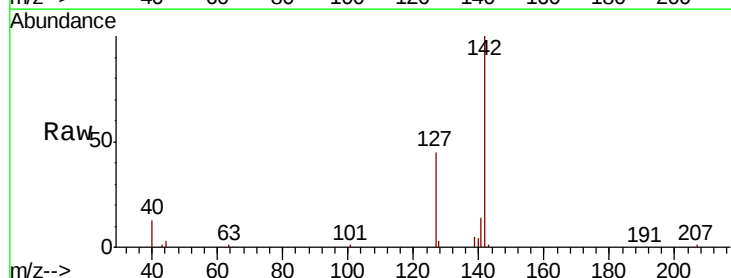
RT: 4.30 min Scan# 404

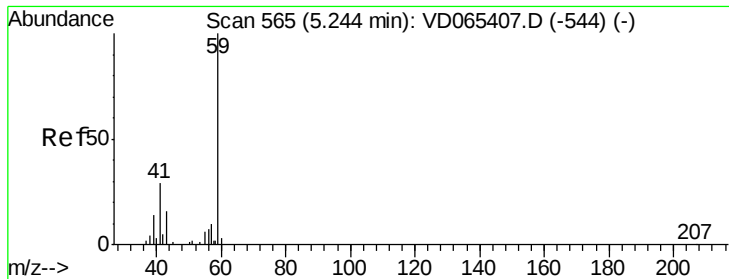
Delta R.T. -0.00 min

Lab File: VD065521.D

Acq: 24 Mar 2020 16:00

Tgt Ion:	142	Resp:	96063
Ion Ratio	Lower	Upper	
142	100		
127	42.0	35.0	52.6
141	14.3	12.4	18.6





#11

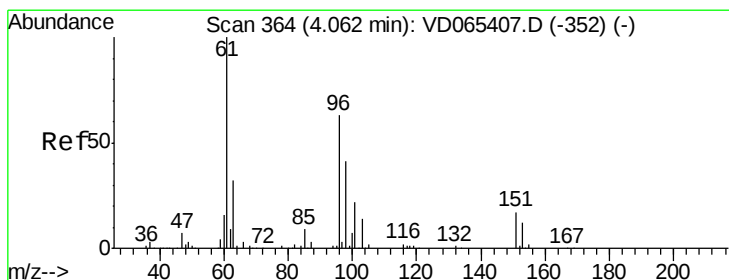
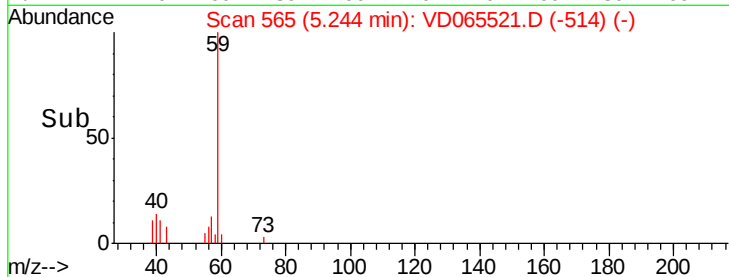
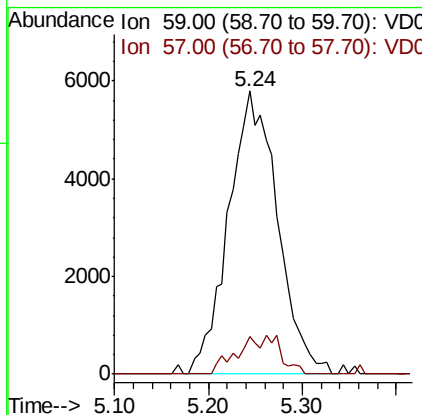
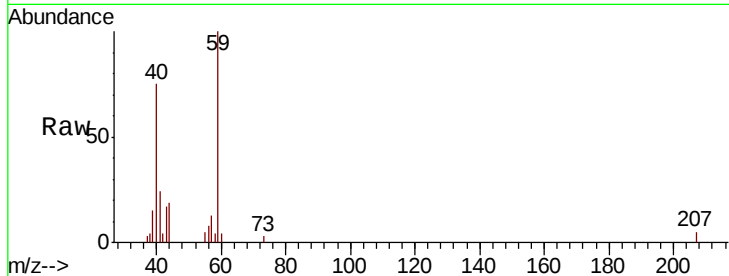
Tert butyl alcohol
Concen: 100.479 ug/l
RT: 5.24 min Scan# 565
Delta R.T. -0.00 min
Lab File: VD065521.D
Acq: 24 Mar 2020 16:00

Instrument :
MSVOA_D
ClientSampleId :
VD0324SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	20976		
57	6.8	6.9	10.3#	

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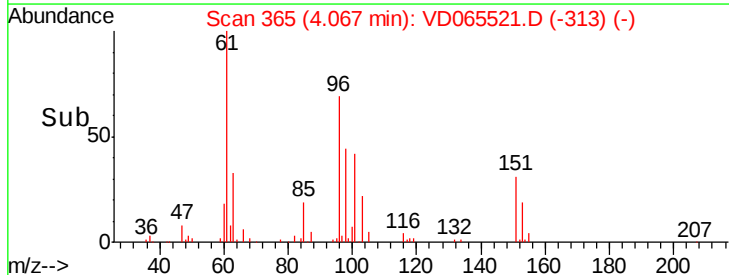
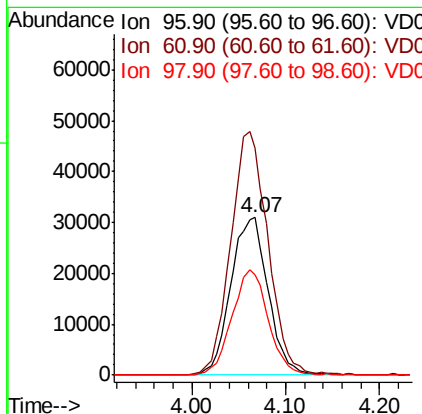
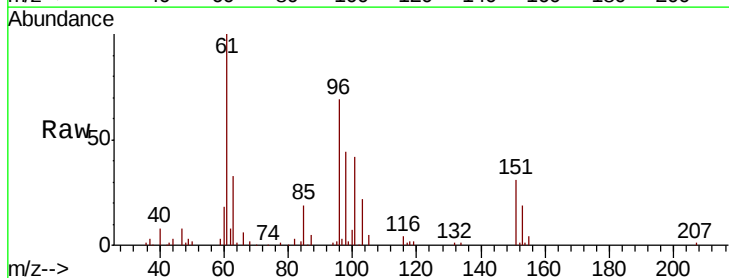
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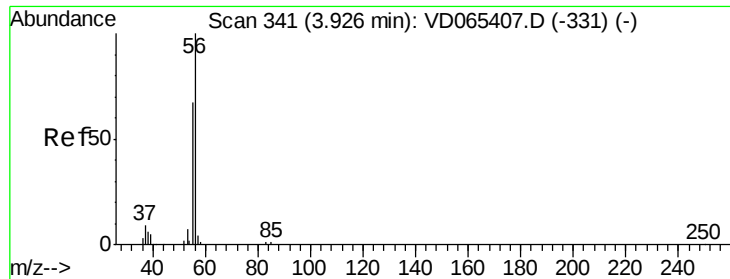


#12

1,1-Dichloroethene
Concen: 21.704 ug/l
RT: 4.07 min Scan# 365
Delta R.T. 0.01 min
Lab File: VD065521.D
Acq: 24 Mar 2020 16:00

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	85641		
61	144.4	128.0	192.0	
98	64.0	51.9	77.9	





#13

Acrolein

Concen: 70.344 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065521.D

Acq: 24 Mar 2020 16:00

Instrument :

MSVOA_D

ClientSampleId :

VD0324SBSD01

Tot Ion: 56 Resp: 25326

Ion Ratio Lower Upper

56 100

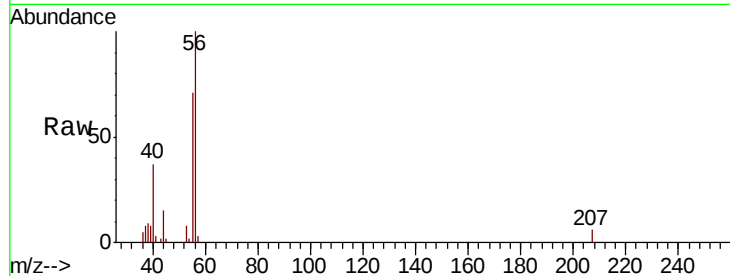
55 70.6 56.6 85.0

Manual Integrations

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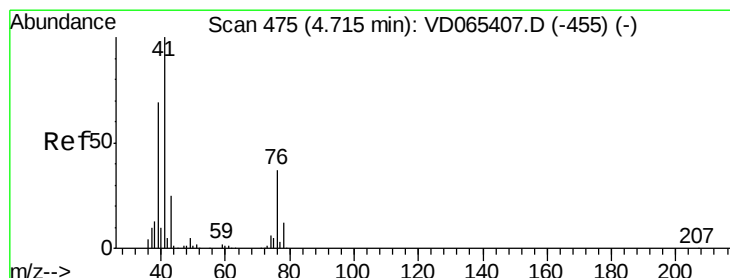
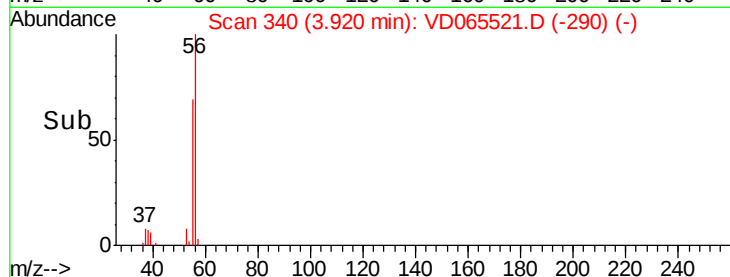
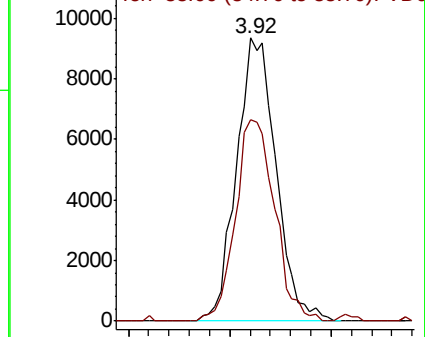
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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.820 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD065521.D

Acq: 24 Mar 2020 16:00

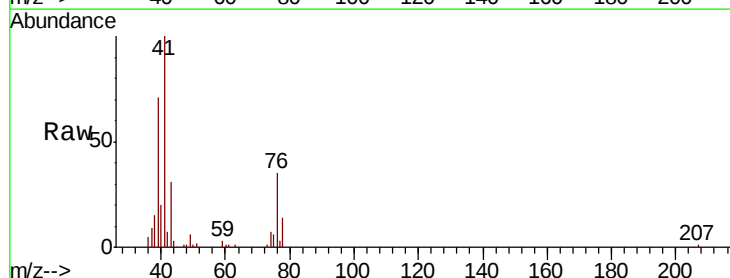
Tgt Ion: 41 Resp: 126202

Ion Ratio Lower Upper

41 100

39 67.5 52.6 79.0

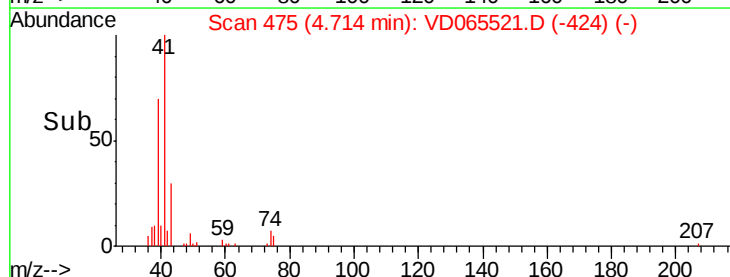
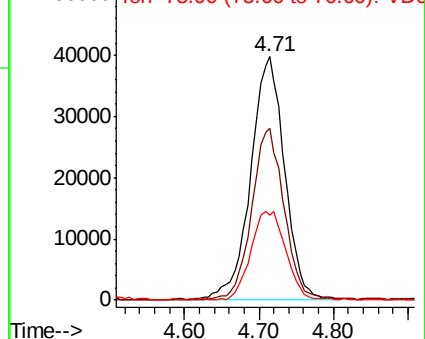
76 37.4 29.2 43.8

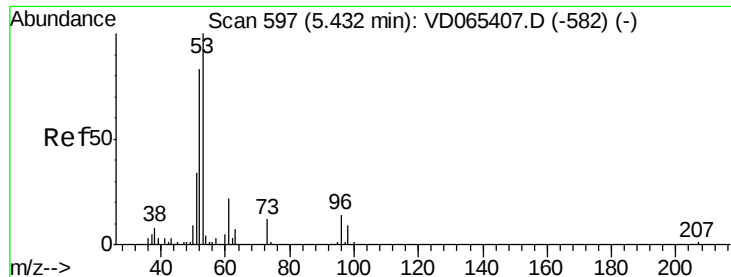


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





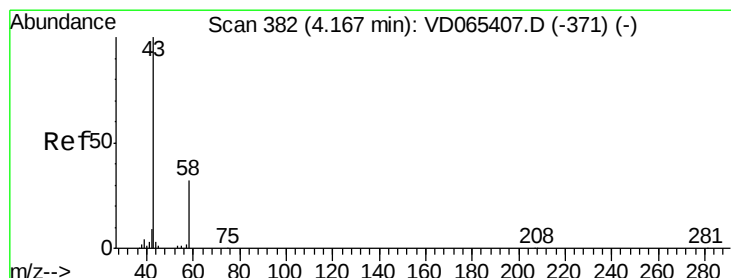
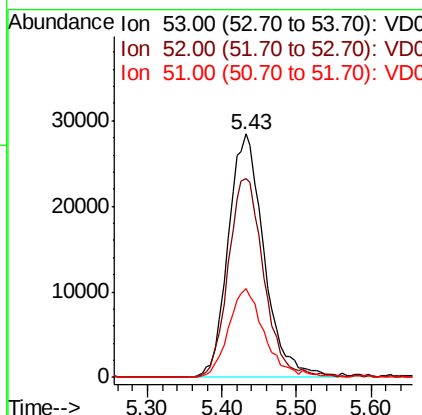
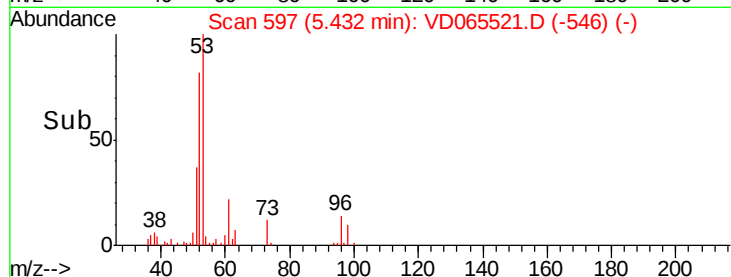
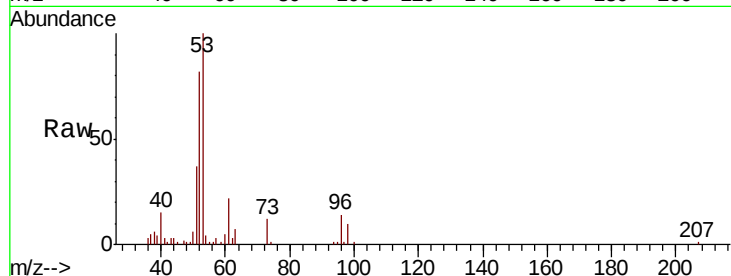
#15
Acrylonitrile
Concen: 114.576 ug/l
RT: 5.43 min Scan# 597
Delta R.T. -0.00 min
Lab File: VD065521.D
Acq: 24 Mar 2020 16:00

Instrument :
MSVOA_D
ClientSampleId :
VD0324SBS01

Tot Ion	Ratio	Lower	Upper
53	100		
52	80.7	65.1	97.7
51	35.6	28.5	42.7

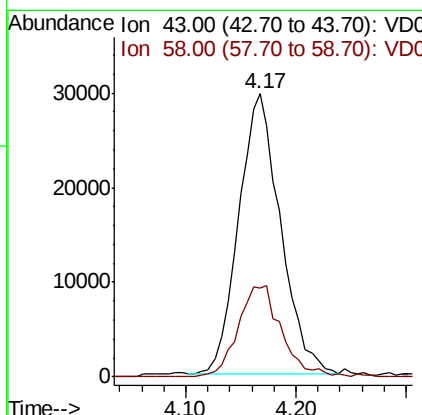
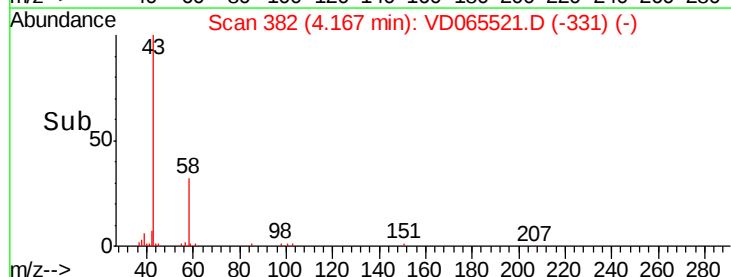
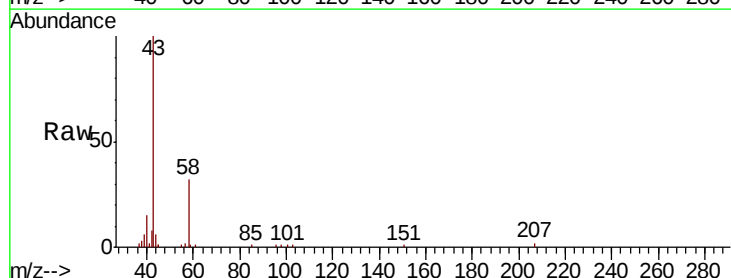
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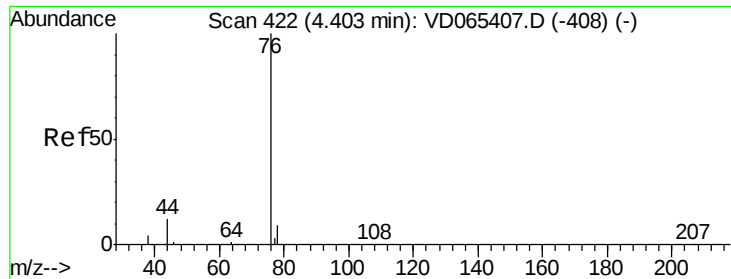
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#16
Acetone
Concen: 106.668 ug/l
RT: 4.17 min Scan# 382
Delta R.T. -0.00 min
Lab File: VD065521.D
Acq: 24 Mar 2020 16:00

Tgt Ion	Ratio	Lower	Upper
43	100		
58	31.9	25.1	37.7





#17

Carbon Disulfide

Concen: 20.180 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.00 min

Lab File: VD065521.D

Acq: 24 Mar 2020 16:00

Instrument :

MSVOA_D

ClientSampleId :

VD0324SBSD01

Tot Ion: 76 Resp: 265178

Ion Ratio Lower Upper

76 100

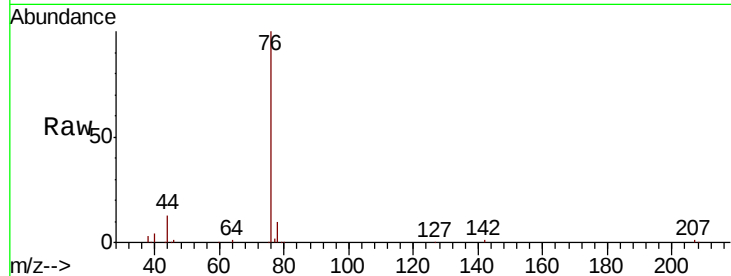
78 9.9 7.4 11.0

Manual Integrations

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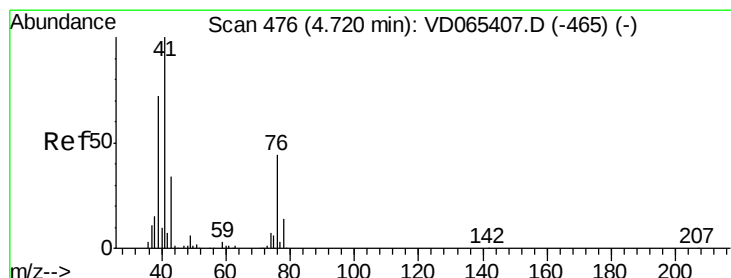
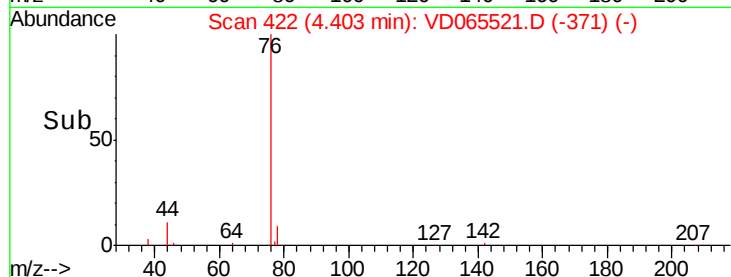
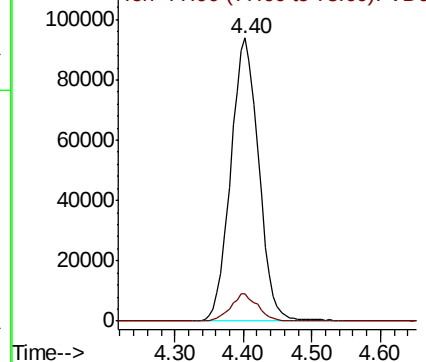
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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 23.855 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.01 min

Lab File: VD065521.D

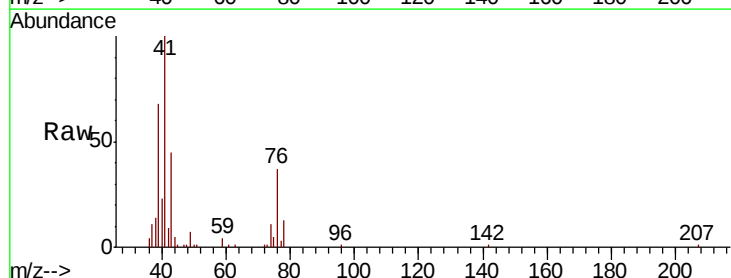
Acq: 24 Mar 2020 16:00

Tgt Ion: 43 Resp: 44540

Ion Ratio Lower Upper

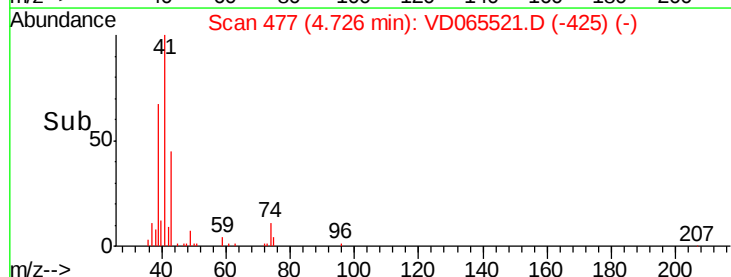
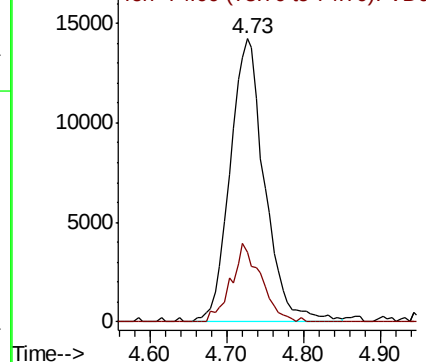
43 100

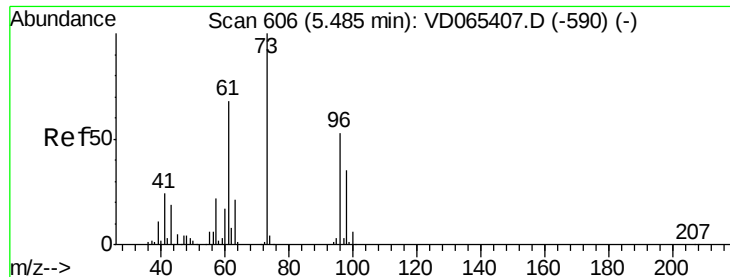
74 23.9 19.6 29.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





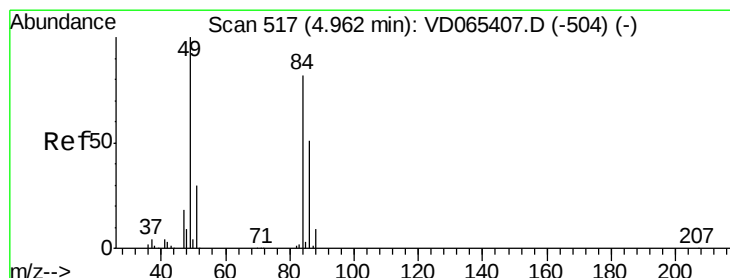
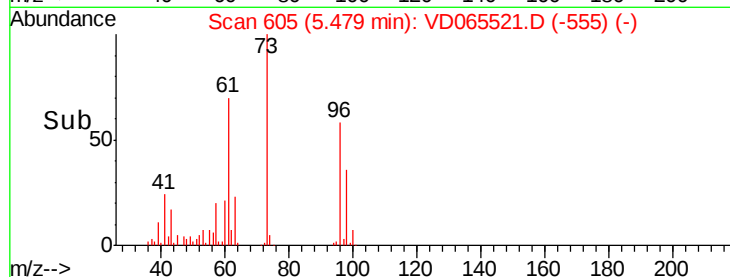
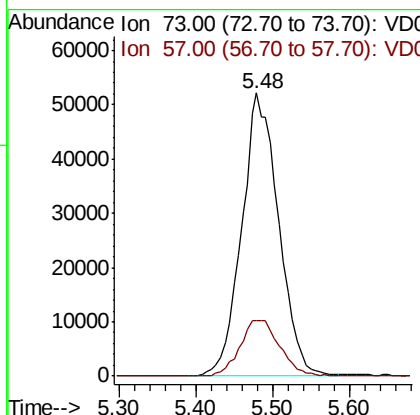
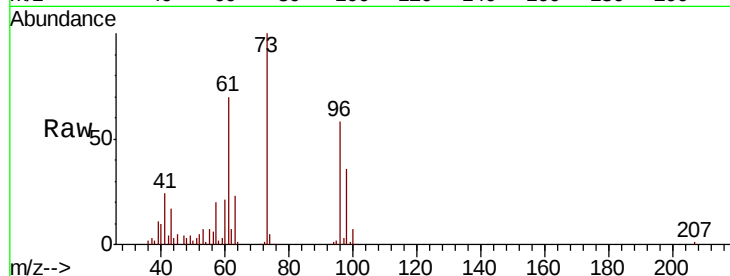
#19
Methvl tert-butvl Ether
Concen: 23.061 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD065521.D
Acq: 24 Mar 2020 16:00

Instrument :
MSVOA_D
ClientSampleId :
VD0324SBSD01

Tot Ion: 73 Resp: 174991
Ion Ratio Lower Upper
73 100
57 19.5 17.3 25.9

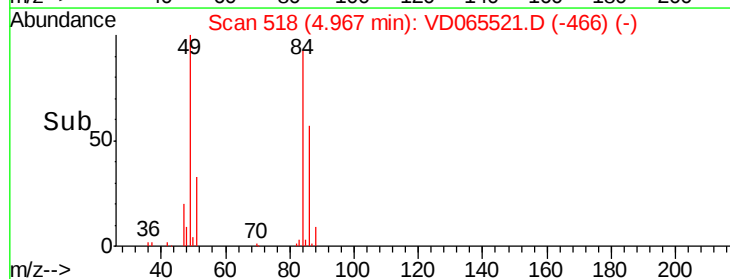
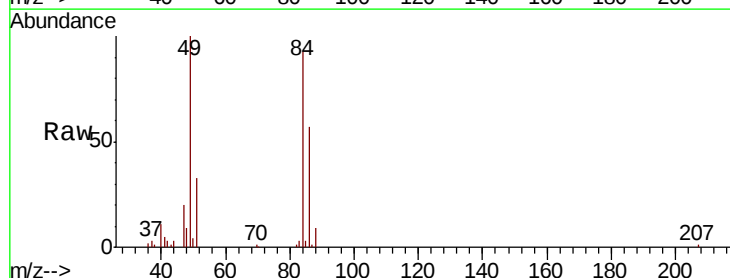
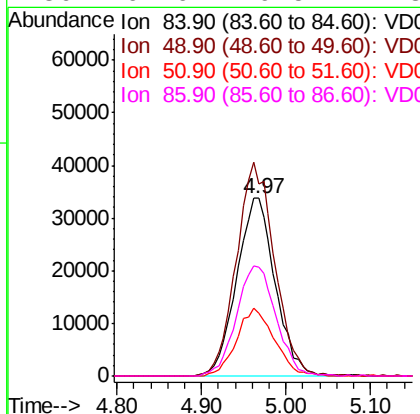
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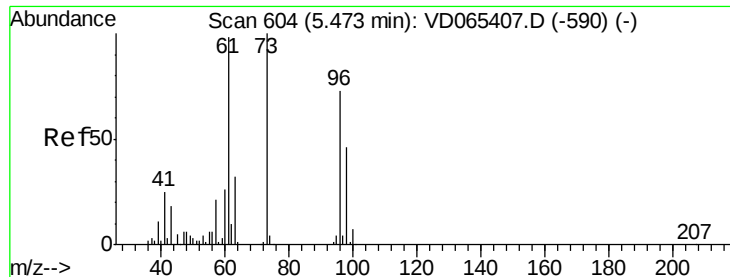
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#20
Methylene Chloride
Concen: 25.011 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD065521.D
Acq: 24 Mar 2020 16:00

Tgt Ion: 84 Resp: 106877
Ion Ratio Lower Upper
84 100
49 108.1 97.7 146.5
51 35.4 28.8 43.2
86 61.6 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 22.315 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD065521.D

Acq: 24 Mar 2020 16:00

Instrument :

MSVOA_D

ClientSampleId :

VD0324SBSD01

Tot Ion: 96 Resp: 97949

Ion Ratio Lower Upper

96 100

61 127.6 106.3 159.5

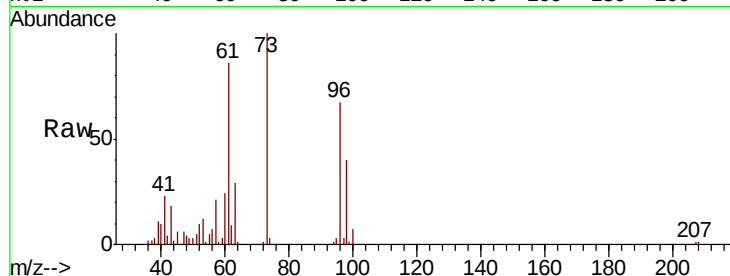
98 59.6 50.2 75.4

Manual Integrations

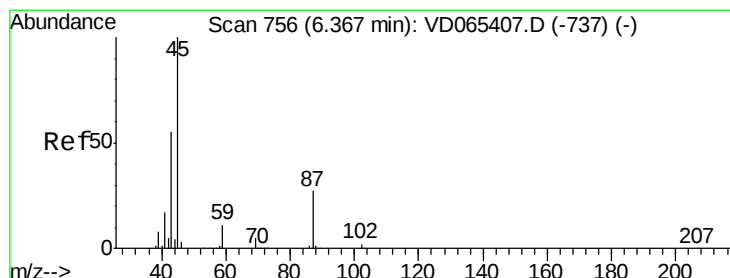
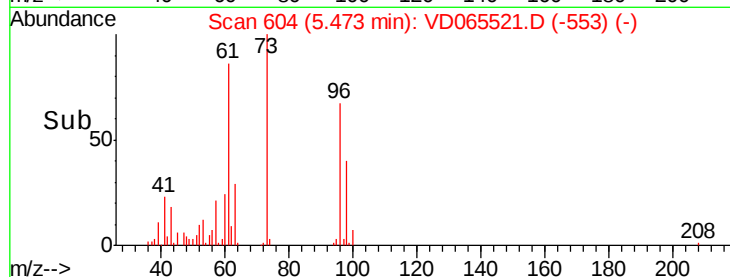
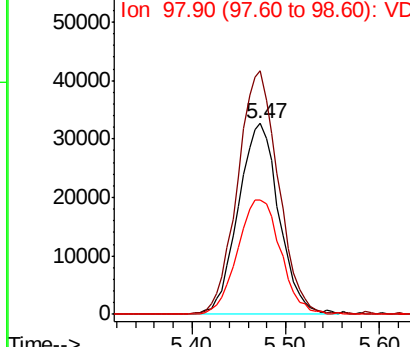
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Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 23.503 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.00 min

Lab File: VD065521.D

Acq: 24 Mar 2020 16:00

Tgt Ion: 45 Resp: 264840

Ion Ratio Lower Upper

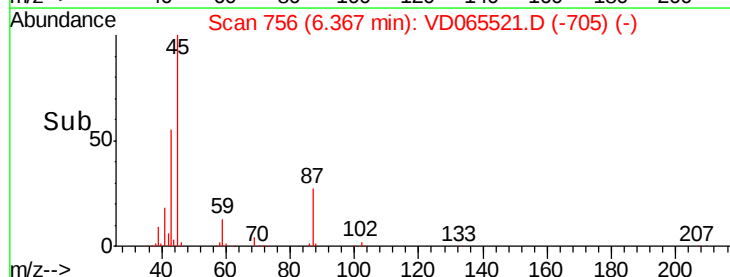
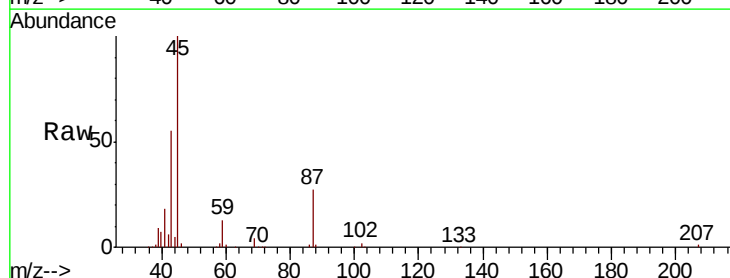
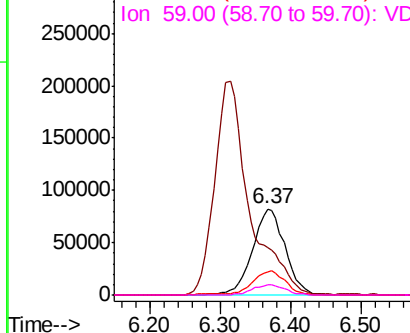
45 100

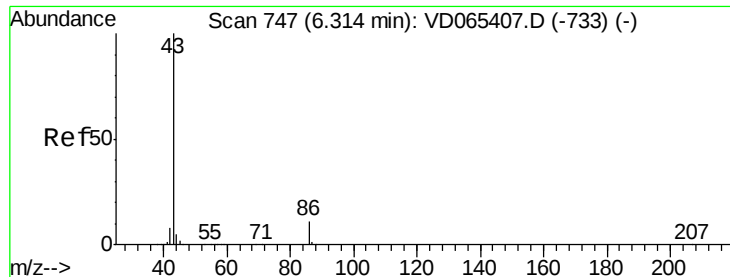
43 54.2 44.4 66.6

87 27.5 21.9 32.9

59 12.5 9.2 13.8

Abundance Ion 45.00 (44.70 to 45.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 112.304 ug/l

RT: 6.31 min Scan# 747

Delta R.T. -0.00 min

Lab File: VD065521.D

Acq: 24 Mar 2020 16:00

Instrument :

MSVOA_D

ClientSampleId :

VD0324SBS01

Tot Ion: 43 Resp: 702643

Ion Ratio Lower Upper

43 100

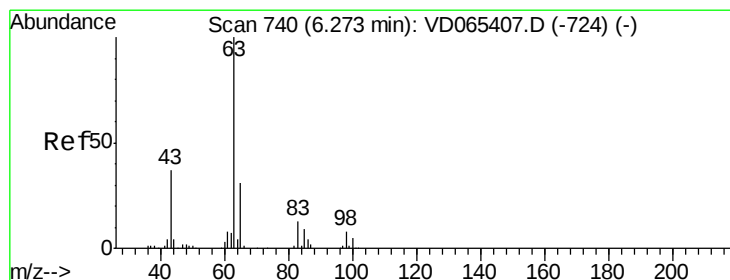
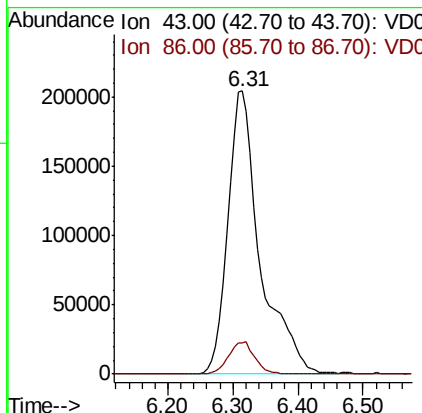
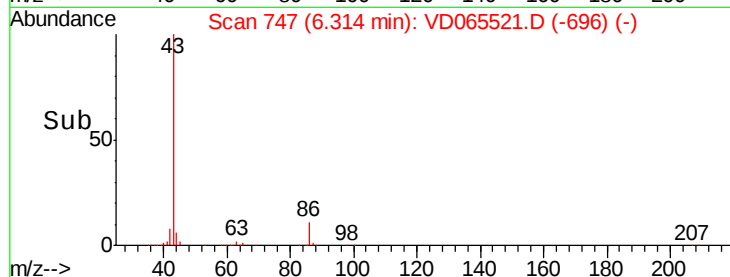
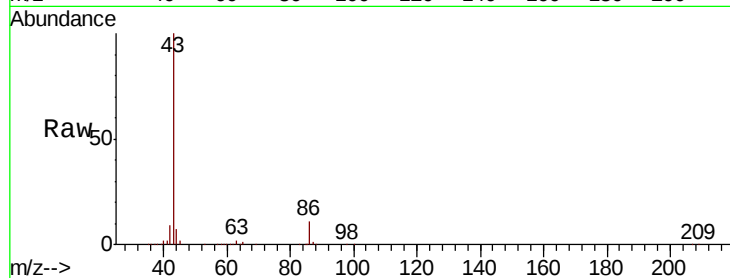
86 11.3 8.9 13.3

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#24

1,1-Dichloroethane

Concen: 22.984 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD065521.D

Acq: 24 Mar 2020 16:00

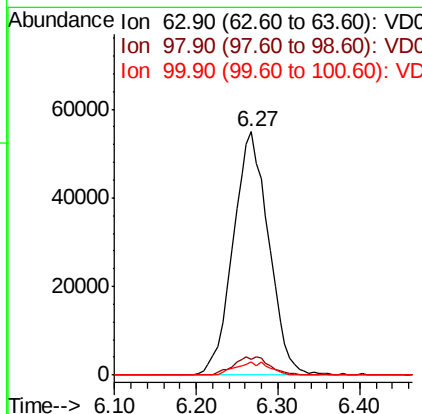
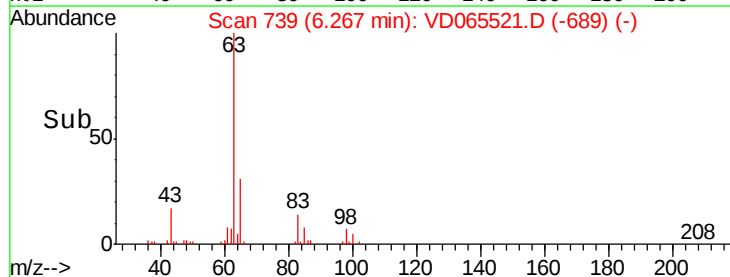
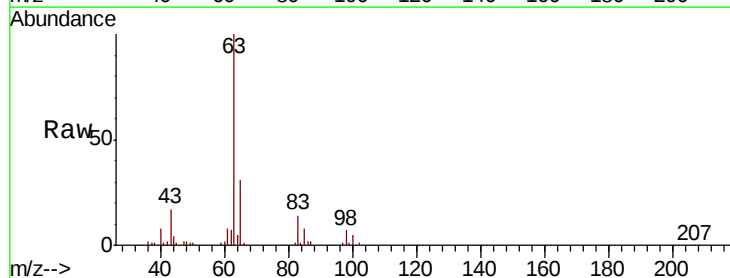
Tgt Ion: 63 Resp: 166114

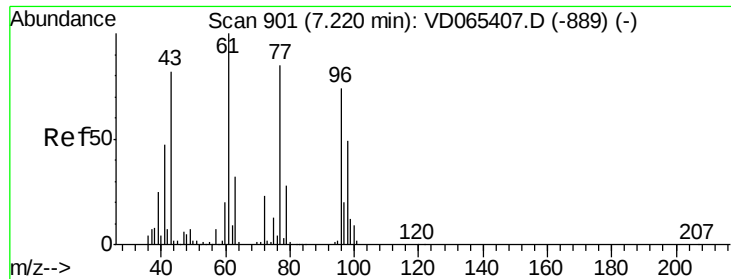
Ion Ratio Lower Upper

63 100

98 6.7 4.2 12.6

100 5.4 2.4 7.2





#25

2-Butanone

Concen: 109.461 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD065521.D

Acq: 24 Mar 2020 16:00

Instrument :

MSVOA_D

ClientSampleId :

VD0324SBSD01

Tot Ion: 43 Resp: 109949

Ion Ratio Lower Upper

43 100

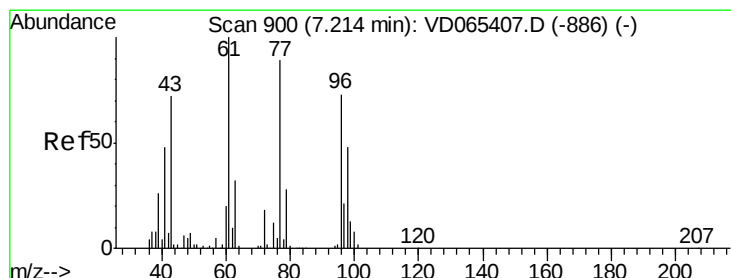
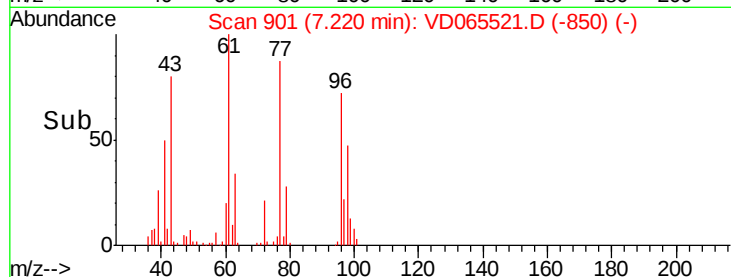
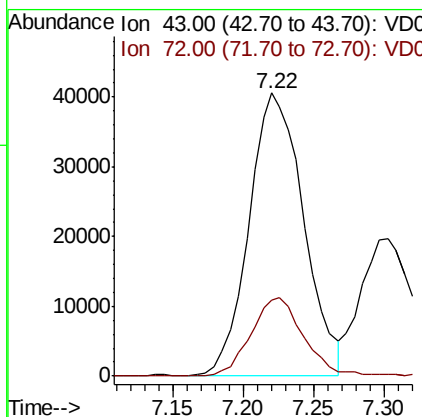
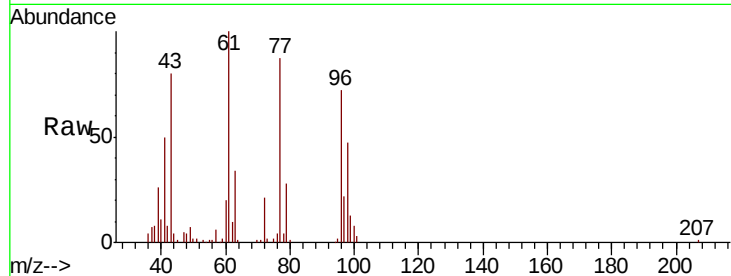
72 26.7 22.3 33.5

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 22.155 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065521.D

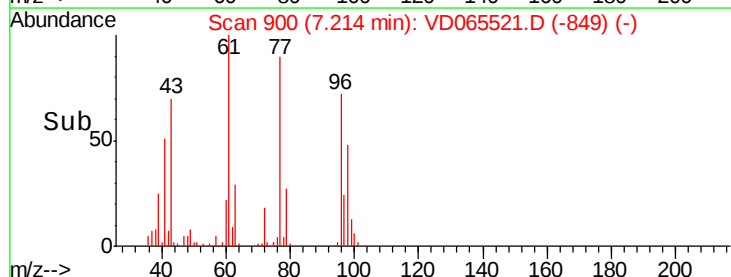
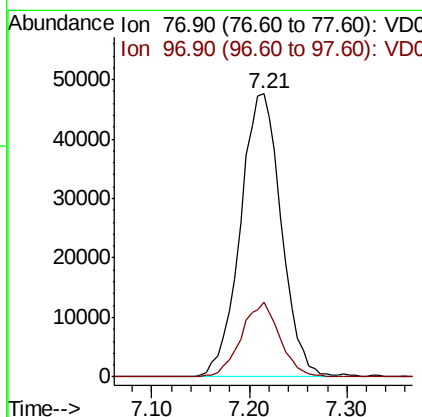
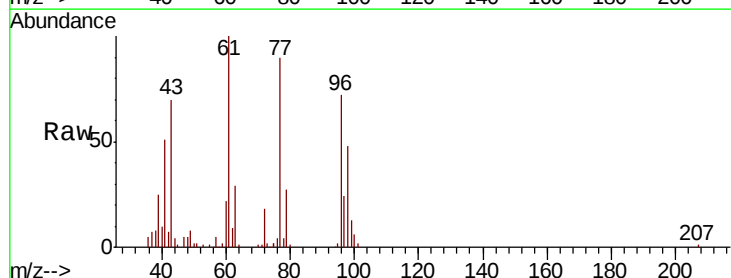
Acq: 24 Mar 2020 16:00

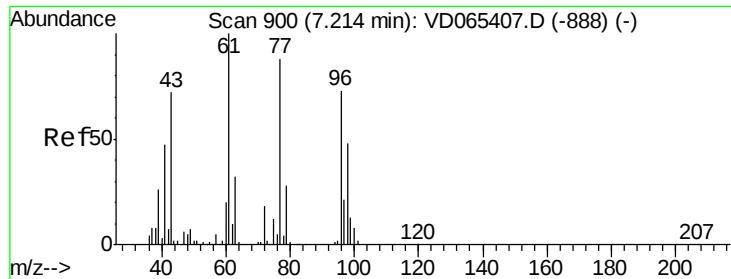
Tgt Ion: 77 Resp: 139933

Ion Ratio Lower Upper

77 100

97 24.8 11.8 35.4





#27

cis-1,2-Dichloroethene

Concen: 22.726 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065521.D

Acq: 24 Mar 2020 16:00

Instrument :

MSVOA_D

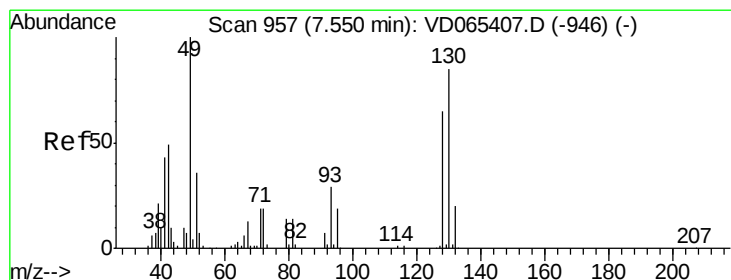
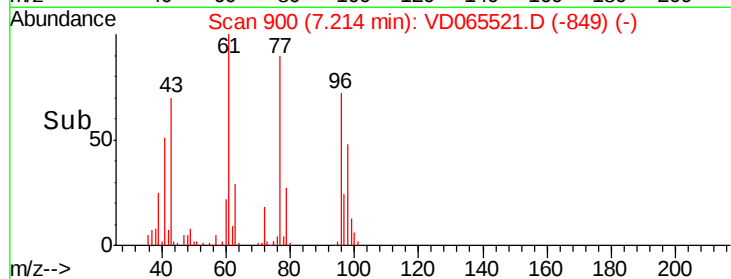
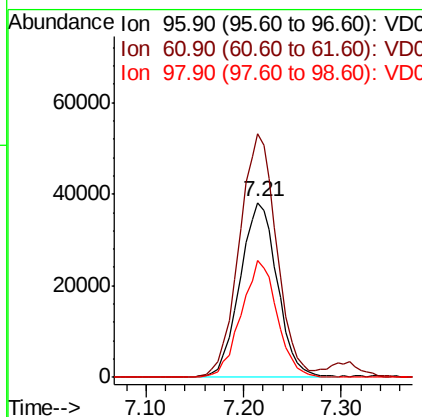
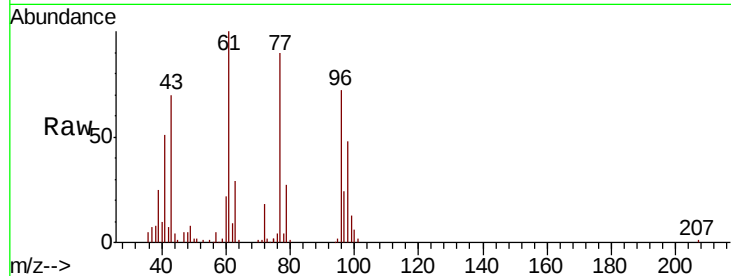
ClientSampleId :

VD0324SBS01

Tot Ion:	96	Resp:	101963
Ion Ratio	Lower	Upper	
96	100		
61	139.6	0.0	280.4
98	64.5	0.0	132.6

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#28

Bromochloromethane

Concen: 23.181 ug/l

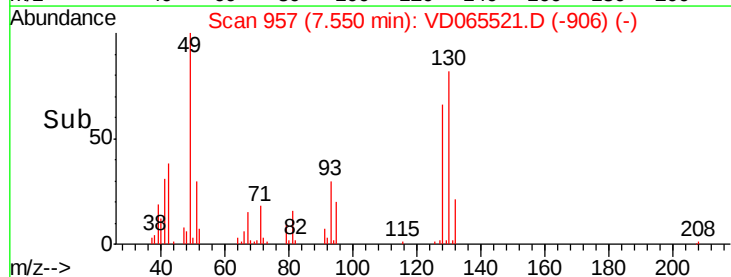
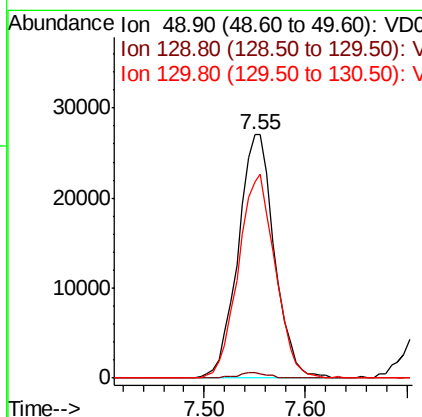
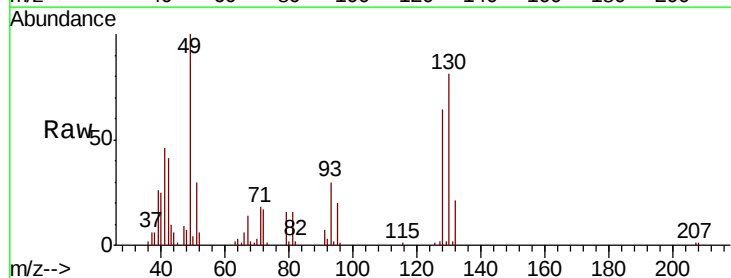
RT: 7.55 min Scan# 957

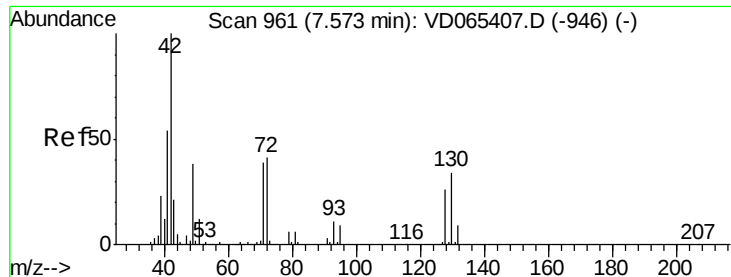
Delta R.T. -0.00 min

Lab File: VD065521.D

Acq: 24 Mar 2020 16:00

Tgt Ion:	49	Resp:	67032
Ion Ratio	Lower	Upper	
49	100		
129	1.9	0.0	4.6
130	85.0	66.6	100.0





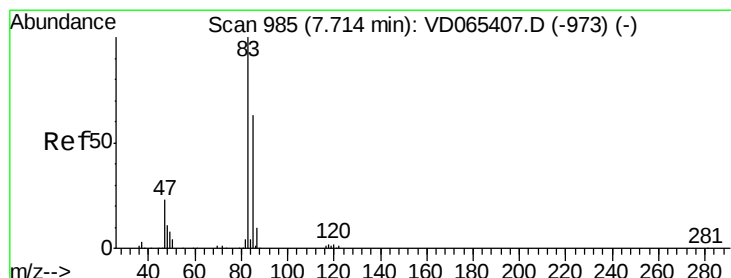
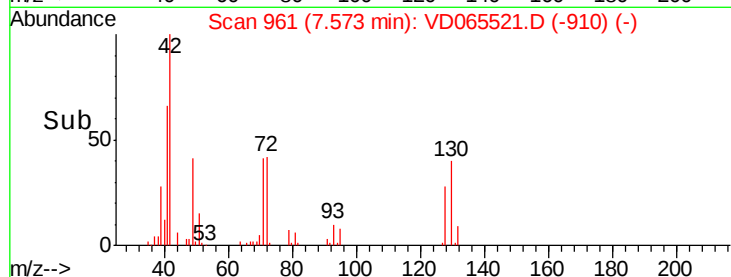
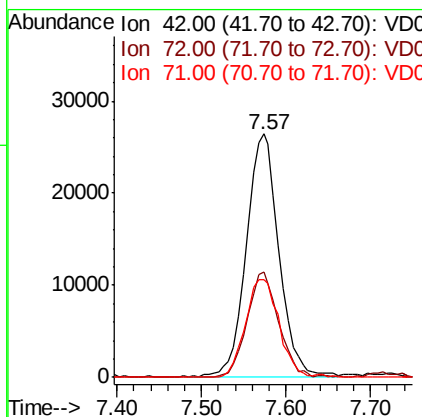
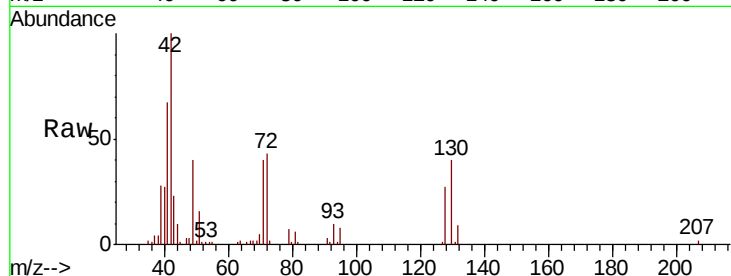
#29
Tetrahydrofuran
Concen: 111.188 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD065521.D
Acq: 24 Mar 2020 16:00

Instrument :
MSVOA_D
ClientSampleId :
VD0324SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.6	33.0	49.6
71	41.4	32.0	48.0

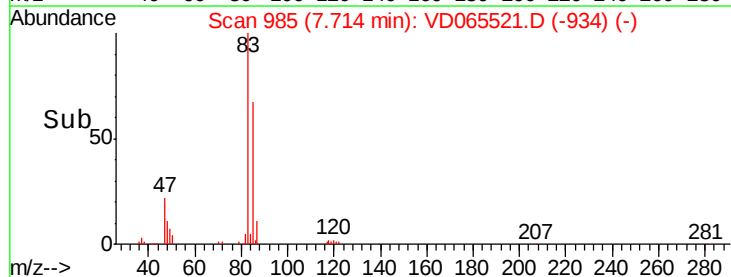
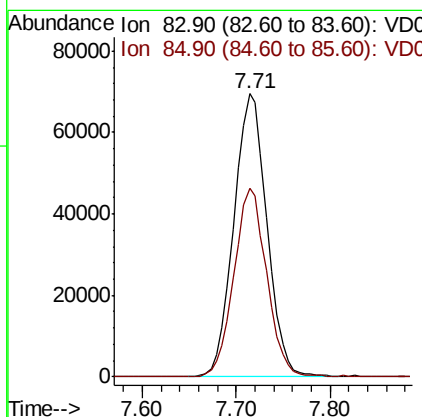
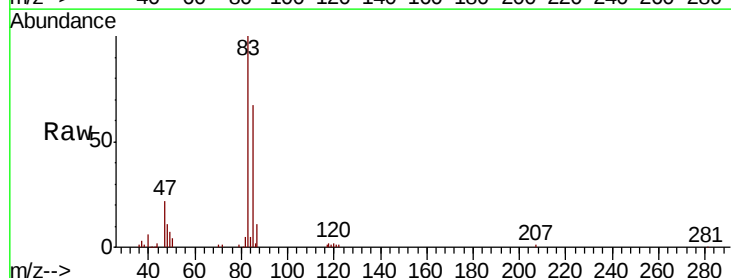
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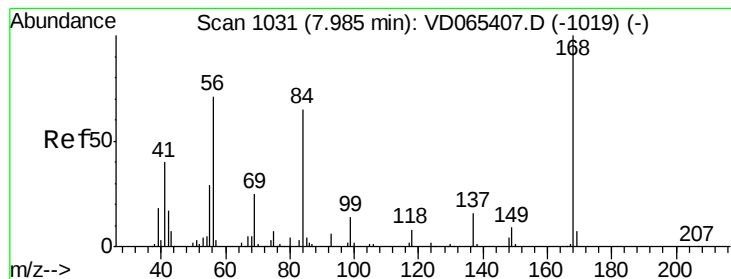
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#30
Chloroform
Concen: 23.505 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD065521.D
Acq: 24 Mar 2020 16:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.7	50.3	75.5





#31

Cyclohexane

Concen: 20.317 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065521.D

Acq: 24 Mar 2020 16:00

Instrument :

MSVOA_D

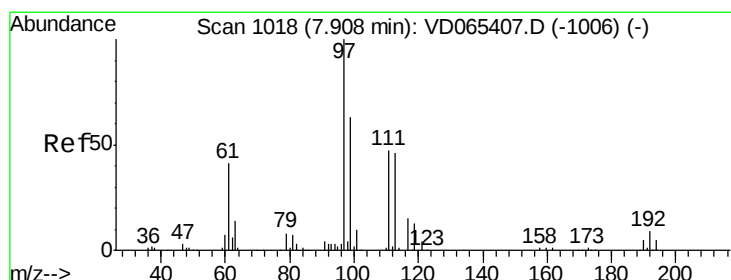
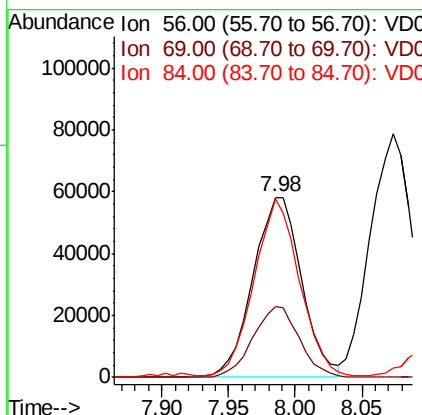
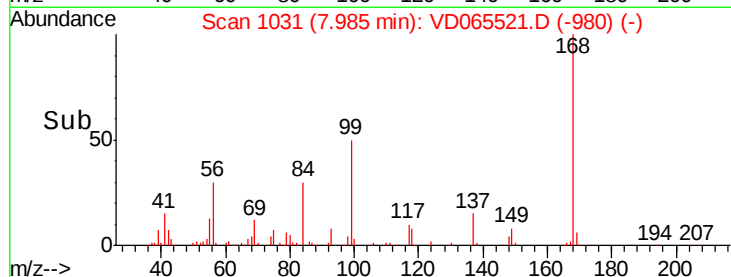
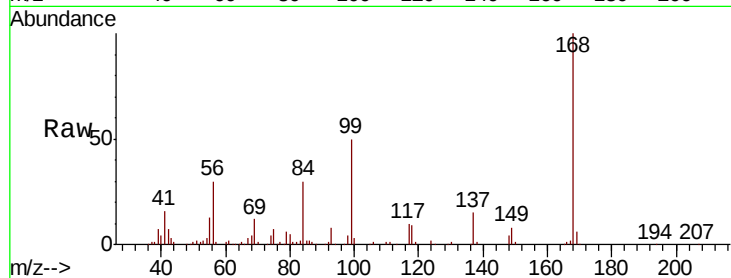
ClientSampleID :

VD0324SBS01

Tot Ion:	56	Resp:	146835
Ion Ratio	Lower	Upper	
56	100		
69	39.4	28.3	42.5
84	97.8	73.1	109.7

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#32

1,1,1-Trichloroethane

Concen: 22.801 ug/l

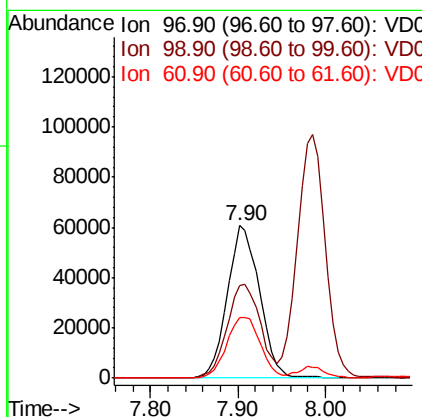
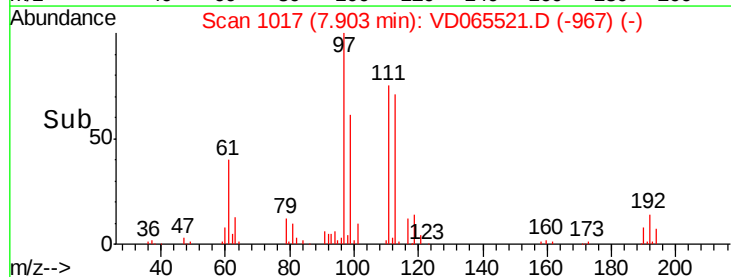
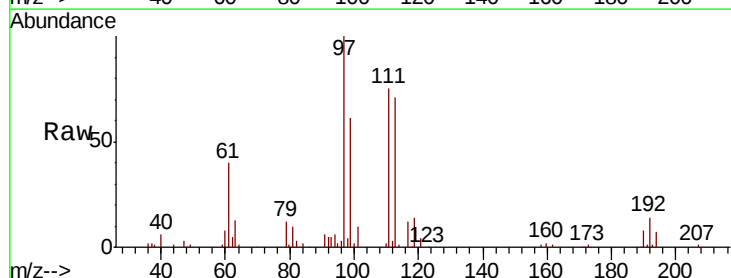
RT: 7.90 min Scan# 1017

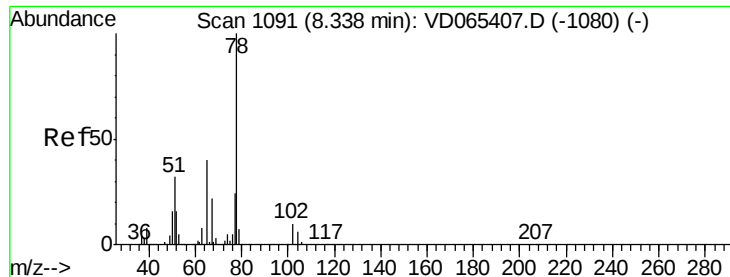
Delta R.T. -0.01 min

Lab File: VD065521.D

Acq: 24 Mar 2020 16:00

Tgt Ion:	97	Resp:	152220
Ion Ratio	Lower	Upper	
97	100		
99	63.8	50.9	76.3
61	41.9	33.2	49.8





#33

1,2-Dichloroethane-d4

Concen: 50.525 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD065521.D

Acq: 24 Mar 2020 16:00

Instrument :

MSVOA_D

ClientSampleId :

VD0324SBSD01

Tot Ion: 65 Resp: 183884

Ion Ratio Lower Upper

65 100

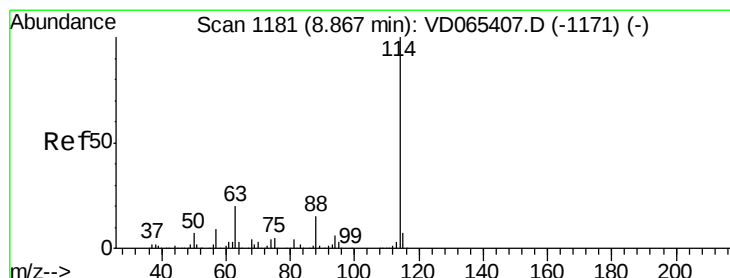
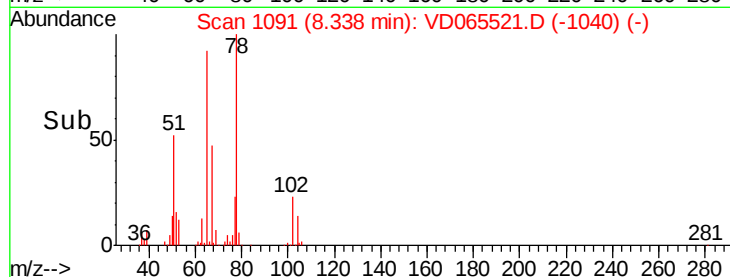
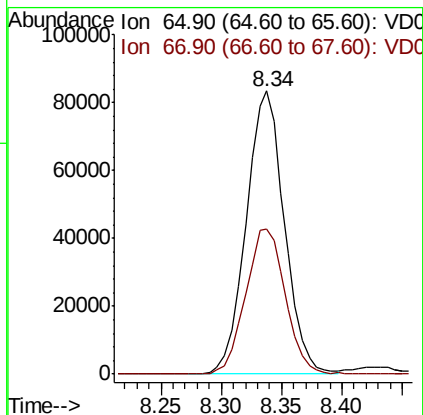
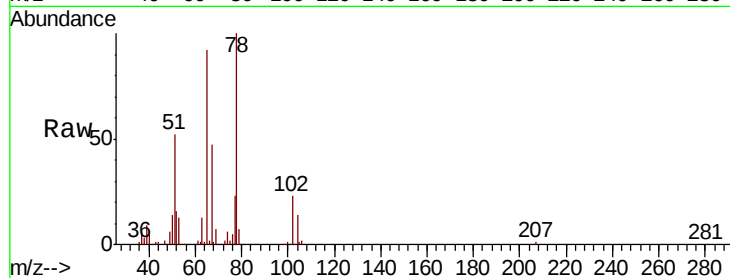
67 53.4 0.0 108.0

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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: VD065521.D

Acq: 24 Mar 2020 16:00

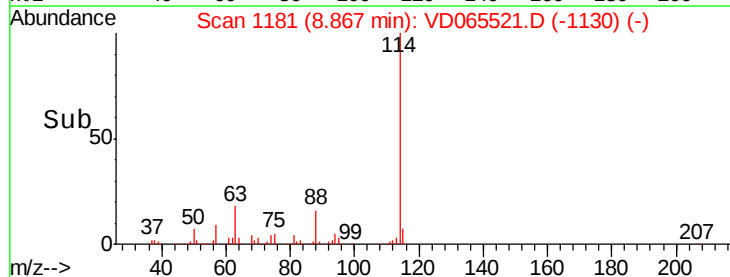
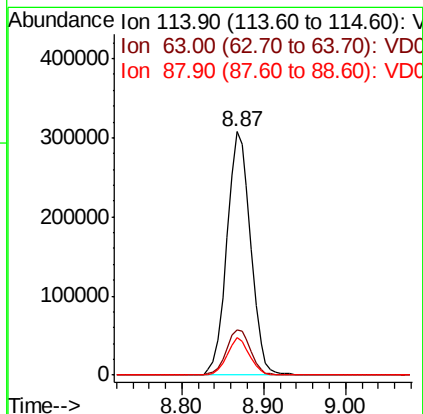
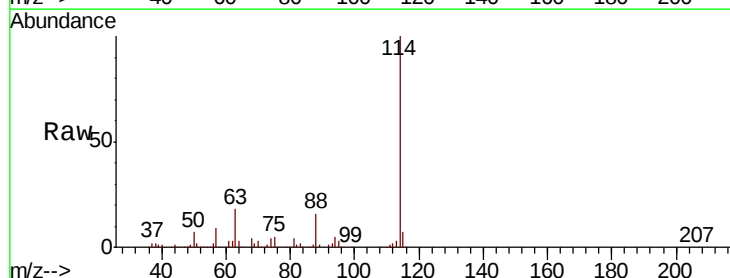
Tgt Ion: 114 Resp: 620602

Ion Ratio Lower Upper

114 100

63 18.4 0.0 39.6

88 15.6 0.0 30.4





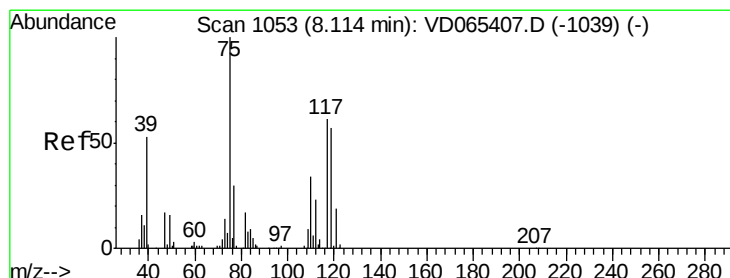
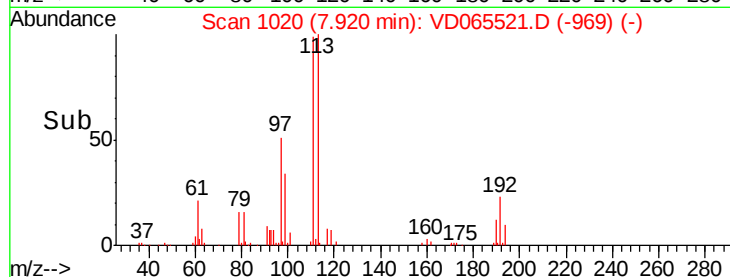
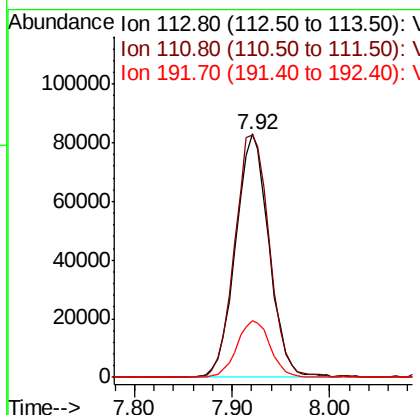
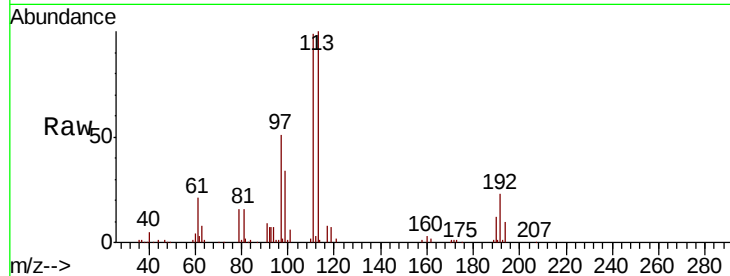
#35
 Dibromofluoromethane
 Concen: 51.601 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065521.D
 Acq: 24 Mar 2020 16:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0324SBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.0	82.1	123.1
192	23.2	17.2	25.8

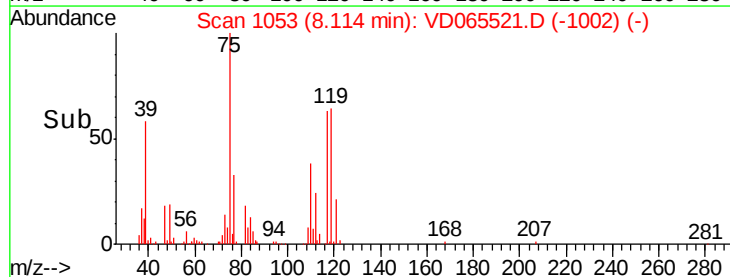
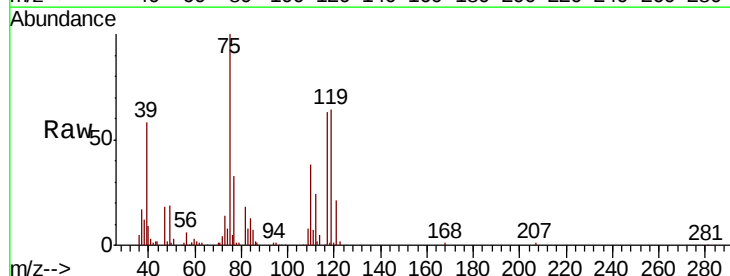
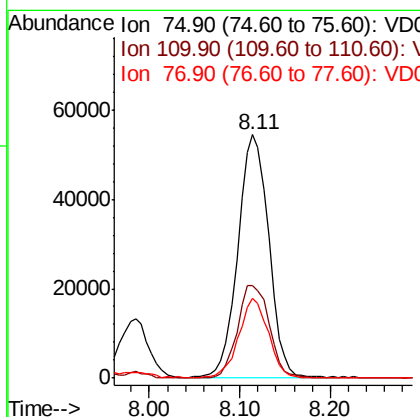
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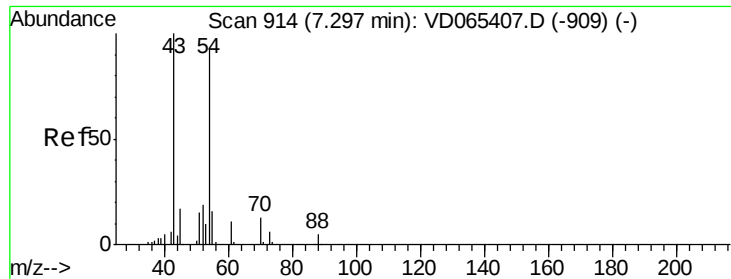
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#36
 1,1-Dichloropropene
 Concen: 21.752 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065521.D
 Acq: 24 Mar 2020 16:00

Tgt Ion	Ratio	Lower	Upper
75	100		
110	39.1	18.1	54.1
77	31.5	25.2	37.8





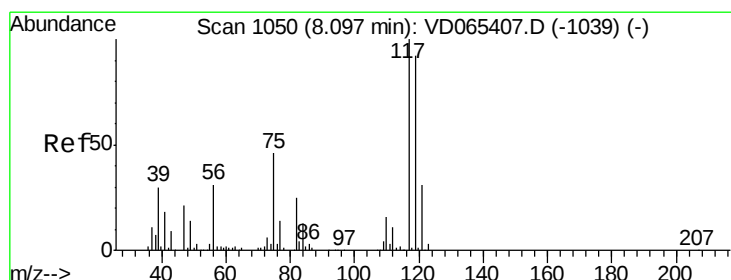
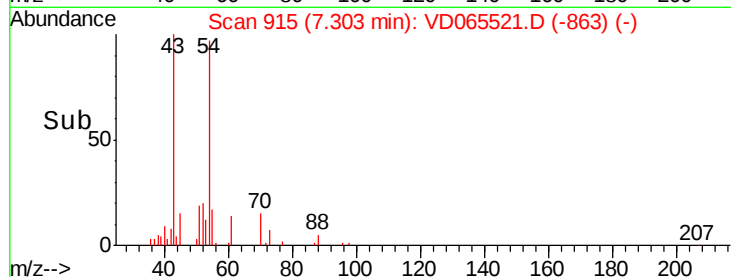
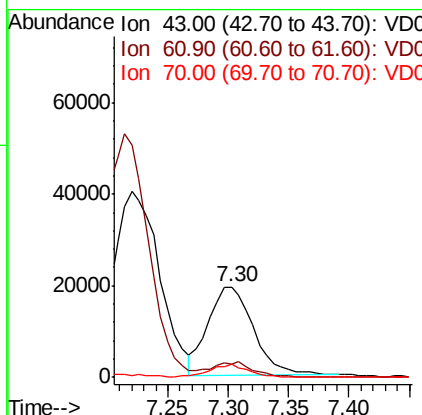
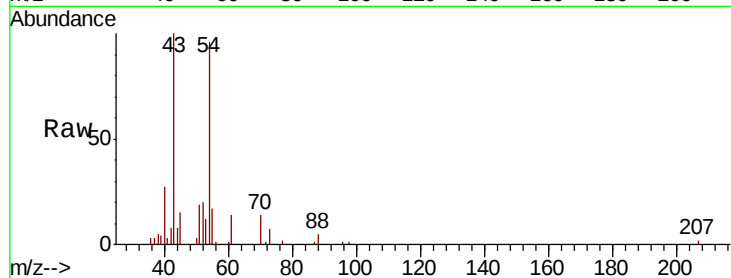
#37
Ethyl Acetate
Concen: 22.215 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD065521.D
Acq: 24 Mar 2020 16:00

Instrument :
MSVOA_D
ClientSampleId :
VD0324SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.6	11.4	17.0
70	12.4	9.0	13.4

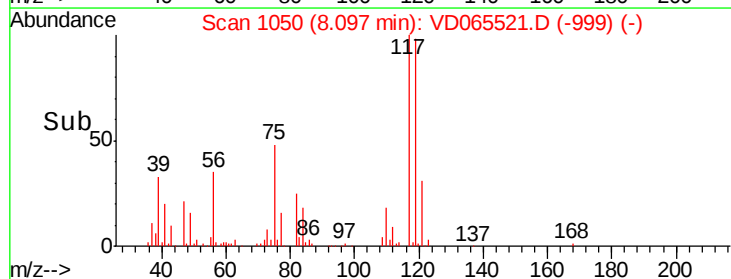
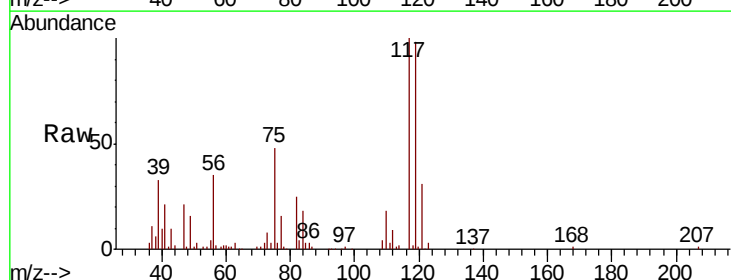
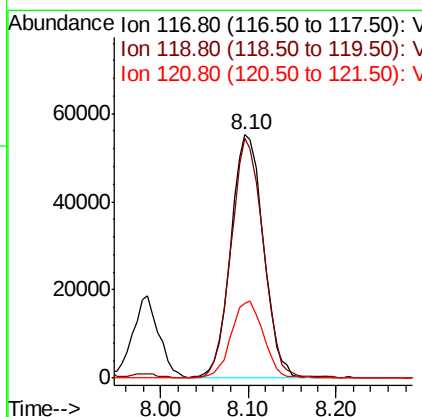
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#38
Carbon Tetrachloride
Concen: 22.692 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065521.D
Acq: 24 Mar 2020 16:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.3	73.3	109.9
121	30.9	25.0	37.4





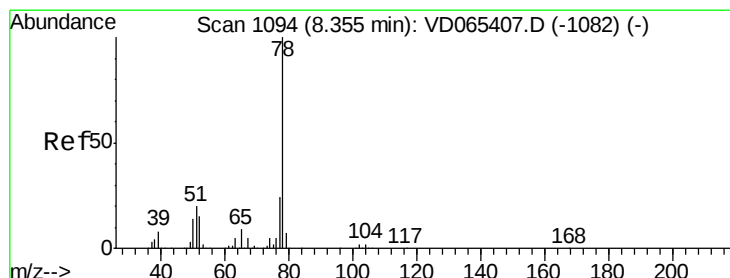
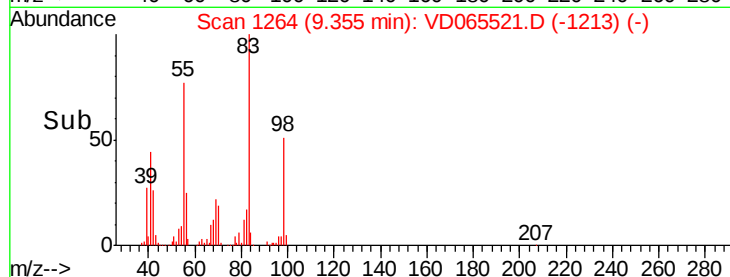
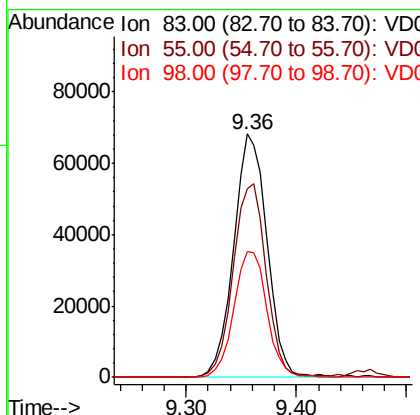
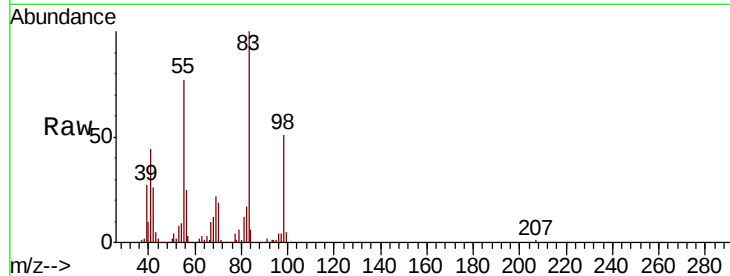
#39
Methvlcvclohexane
Concen: 20.173 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065521.D
Acq: 24 Mar 2020 16:00

Instrument :
MSVOA_D
ClientSampleId :
VD0324SBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.5	57.1	85.7
98	51.4	37.8	56.8

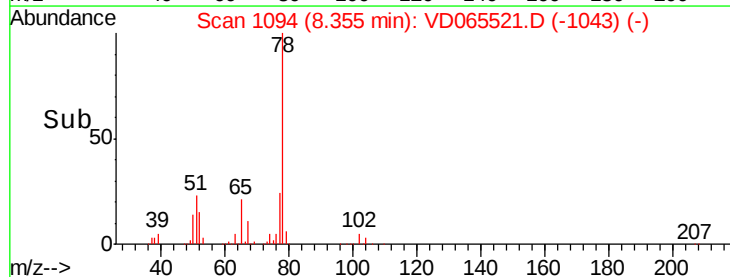
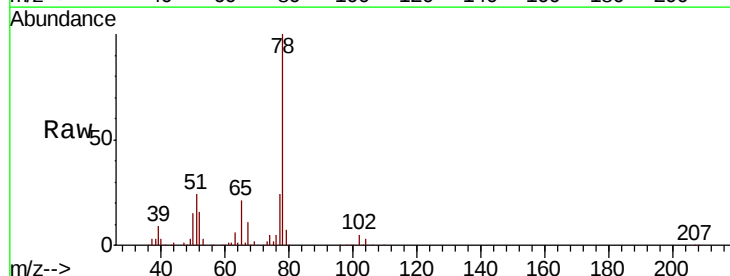
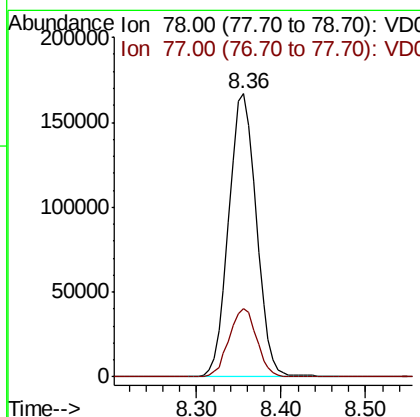
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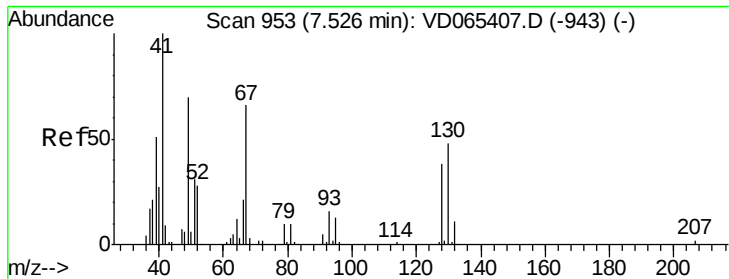
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#40
Benzene
Concen: 22.702 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065521.D
Acq: 24 Mar 2020 16:00

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.4	29.0





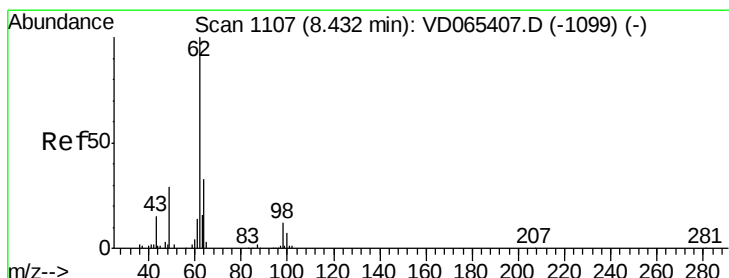
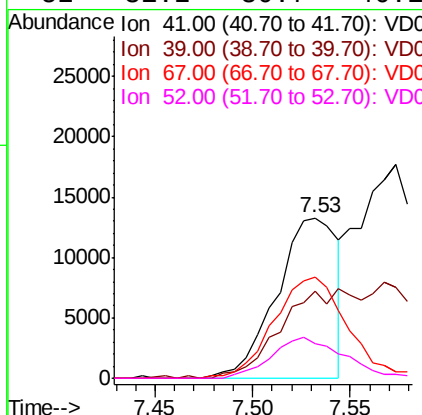
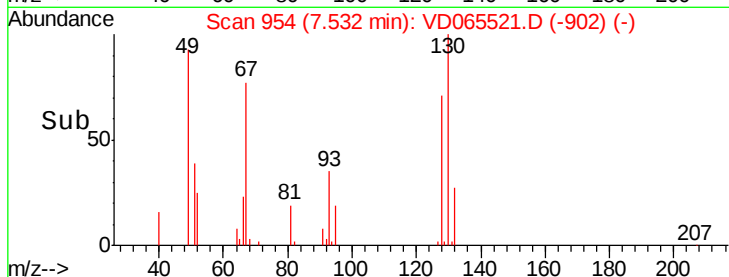
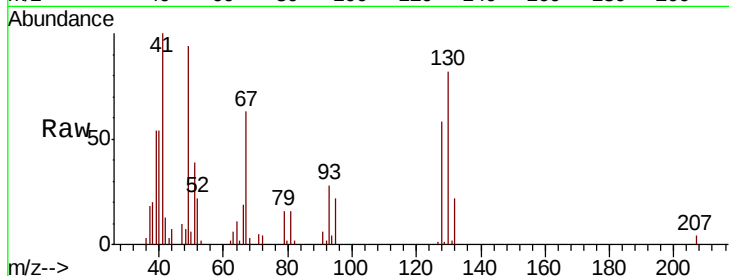
#41
Methacrylonitrile
Concen: 23.594 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD065521.D
Acq: 24 Mar 2020 16:00

Instrument :
MSVOA_D
ClientSampleId :
VD0324SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	70.1	55.0	82.6
67	75.9	70.3	105.5
52	31.2	30.7	46.1

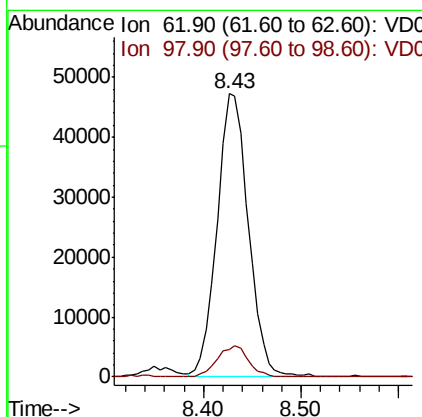
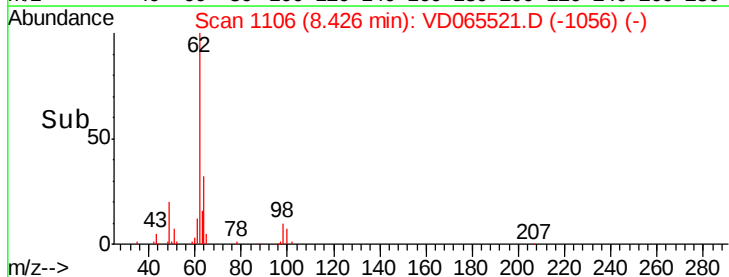
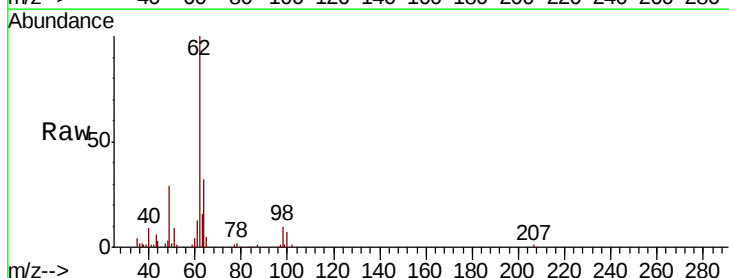
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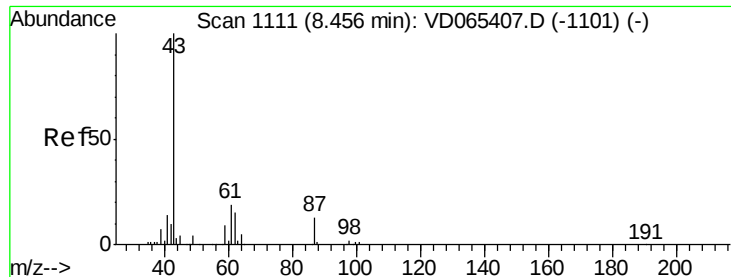
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#42
1,2-Dichloroethane
Concen: 24.299 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD065521.D
Acq: 24 Mar 2020 16:00

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.9	0.0	21.4





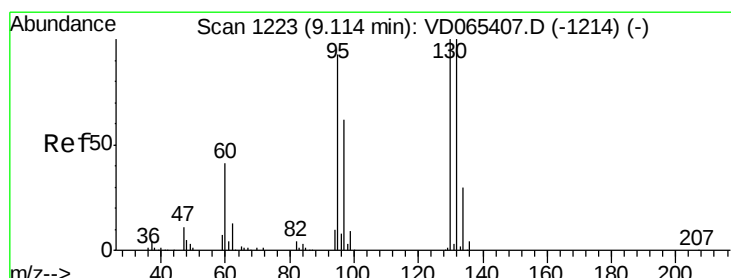
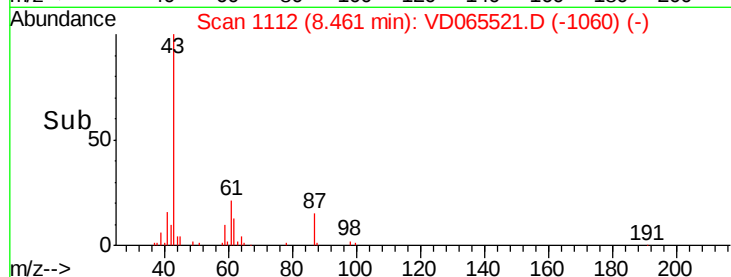
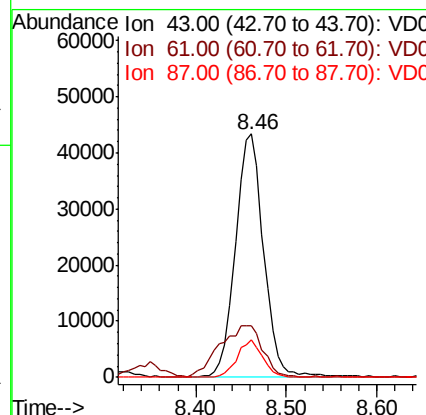
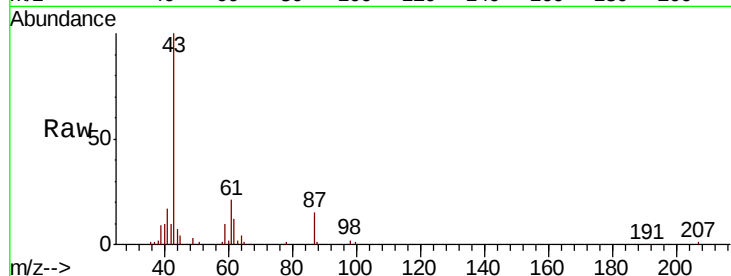
#43
Isopropyl Acetate
Concen: 22.148 ug/l
RT: 8.46 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD065521.D
Acq: 24 Mar 2020 16:00

Instrument :
MSVOA_D
ClientSampleId :
VD0324SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	32.5	25.0	37.6
87	13.7	11.0	16.4

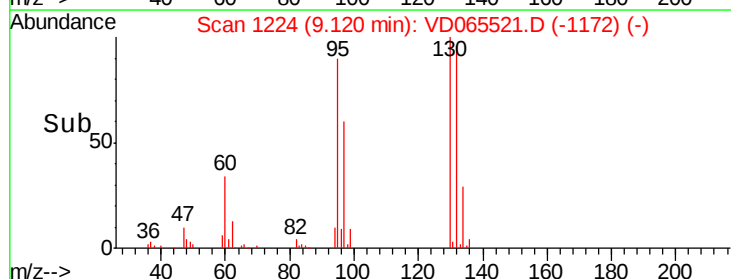
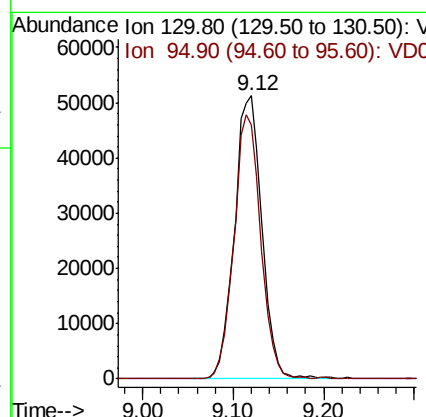
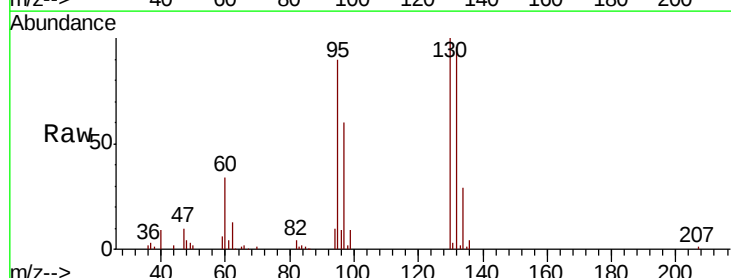
Manual Integrations
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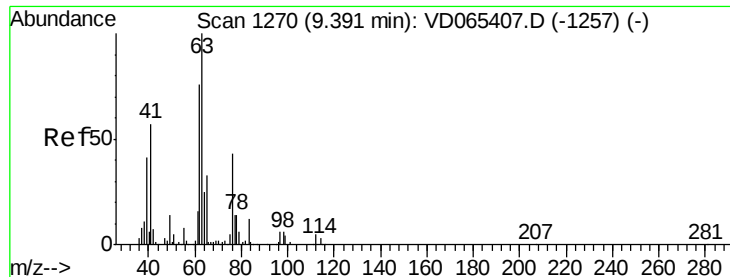
apatel
3/25/2020 10:40:06 AM



#44
Trichloroethene
Concen: 23.033 ug/l
RT: 9.12 min Scan# 1224
Delta R.T. 0.01 min
Lab File: VD065521.D
Acq: 24 Mar 2020 16:00

Tgt Ion	Ratio	Lower	Upper
130	100		
95	89.8	0.0	186.0





#45

1,2-Dichloropropane

Concen: 23.236 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD065521.D

Acq: 24 Mar 2020 16:00

Instrument :

MSVOA_D

ClientSampleId :

VD0324SBSD01

Tot Ion: 63 Resp: 93617

Ion Ratio Lower Upper

63 100

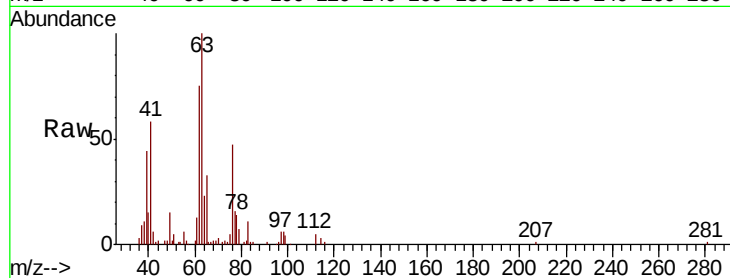
65 33.5 26.4 39.6

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.39

40000

30000

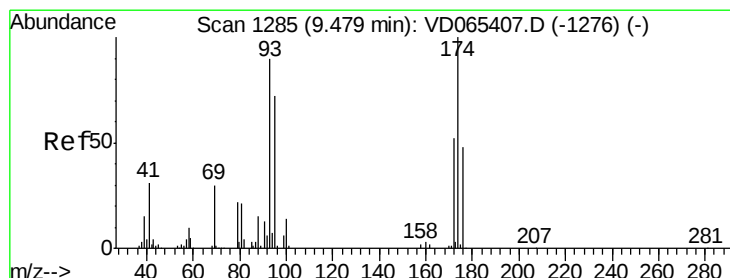
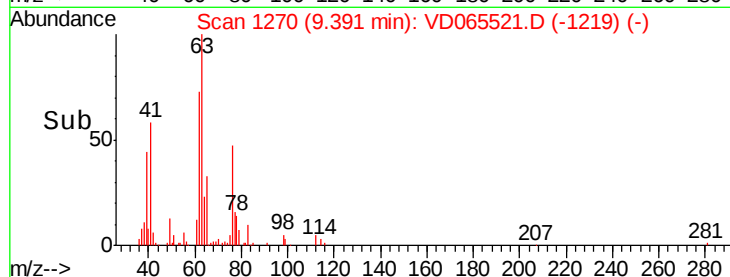
20000

10000

0

9.30 9.35 9.40 9.45

Time-->



#46

Dibromomethane

Concen: 23.506 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD065521.D

Acq: 24 Mar 2020 16:00

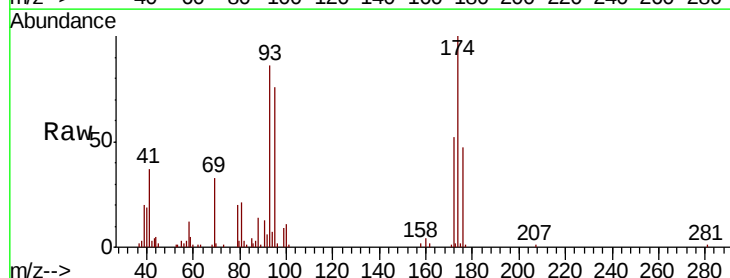
Tgt Ion: 93 Resp: 49124

Ion Ratio Lower Upper

93 100

95 84.4 65.0 97.6

174 119.6 88.3 132.5



Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

40000

30000

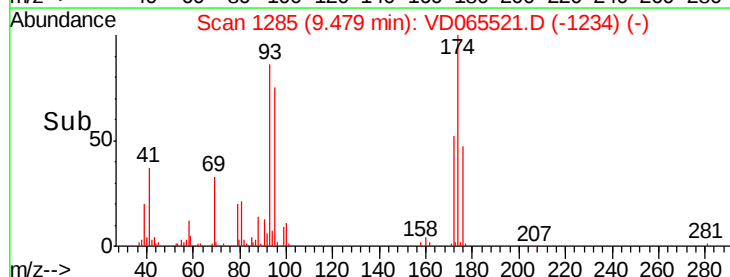
20000

10000

0

9.40 9.45 9.50 9.55

Time-->





#47

Bromodichloromethane

Concen: 23.672 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065521.D

Acq: 24 Mar 2020 16:00

Instrument :

MSVOA_D

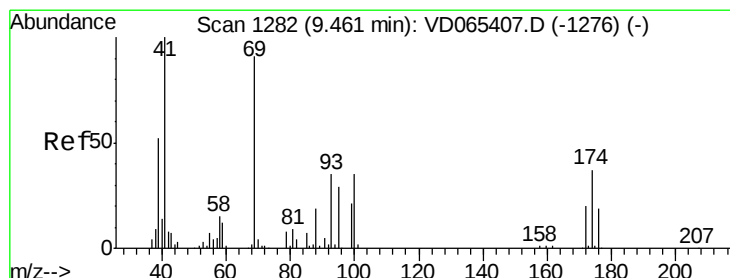
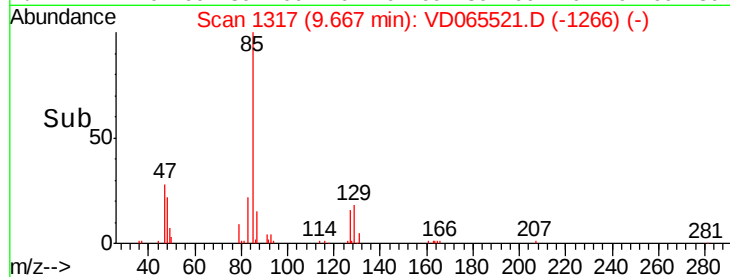
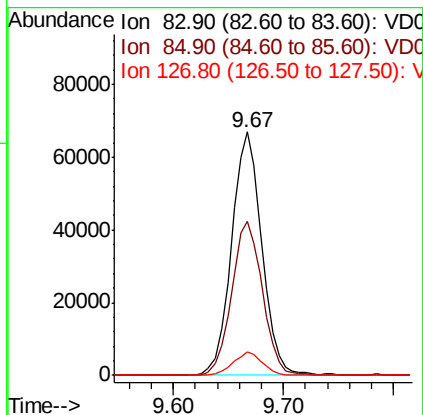
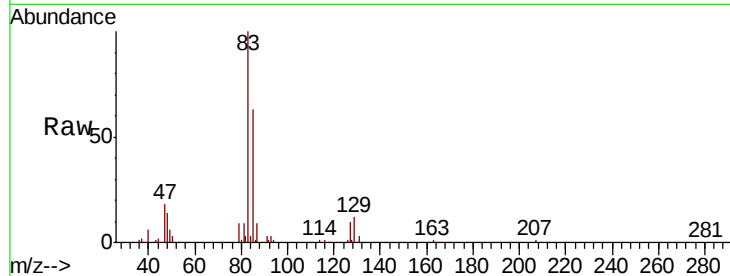
ClientSampleId :

VD0324SBSD01

Tot Ion:	83	Resp:	128704
Ion	Ratio	Lower	Upper
83	100		
85	63.4	52.8	79.2
127	9.8	8.0	12.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 22.215 ug/l

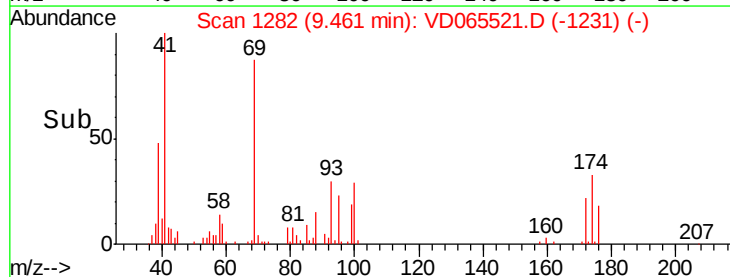
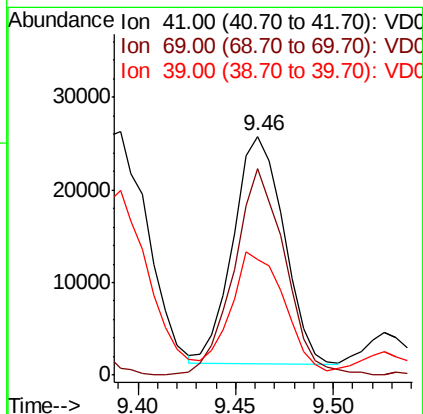
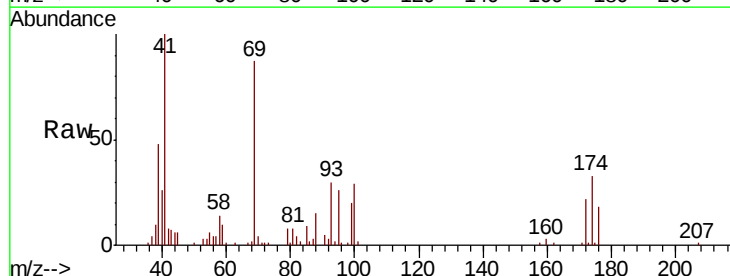
RT: 9.46 min Scan# 1282

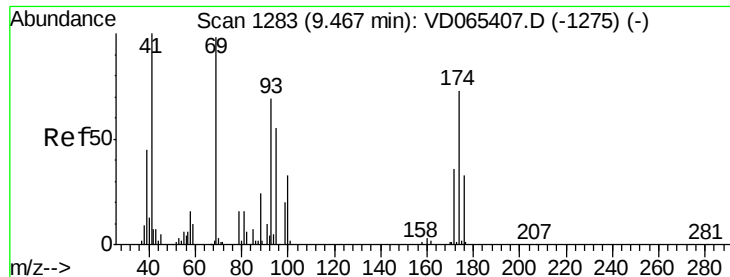
Delta R.T. -0.00 min

Lab File: VD065521.D

Acq: 24 Mar 2020 16:00

Tgt Ion:	41	Resp:	44365
Ion	Ratio	Lower	Upper
41	100		
69	91.2	72.5	108.7
39	53.1	41.6	62.4





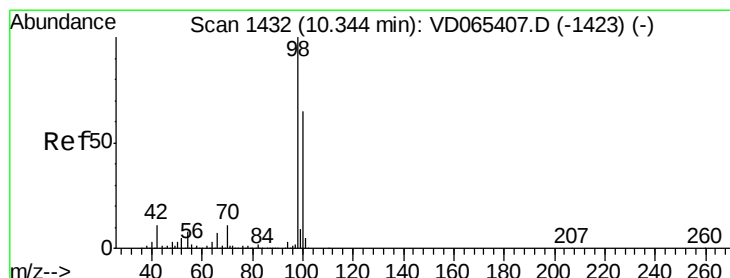
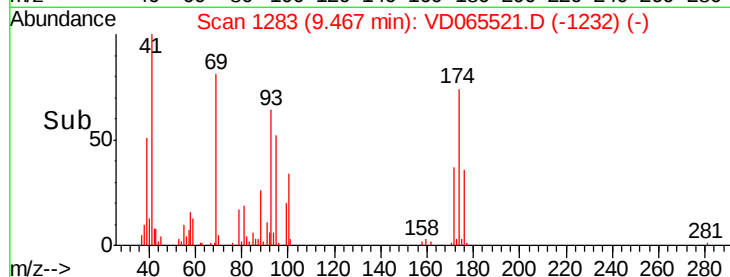
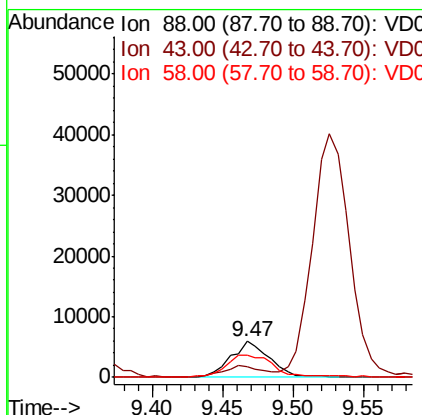
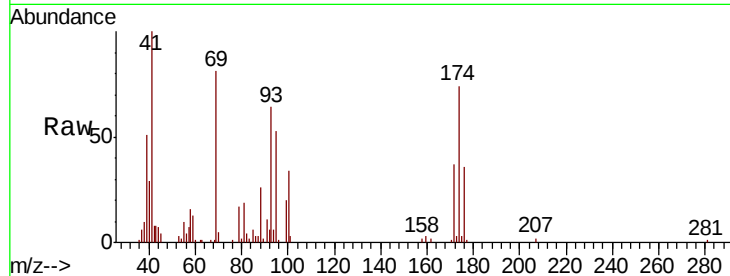
#49
1,4-Dioxane
Concen: 472.286 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD065521.D
Acq: 24 Mar 2020 16:00

Instrument :
MSVOA_D
ClientSampleId :
VD0324SBSD01

Tot Ion	88	Resp	11290
Ion Ratio	Lower	Upper	
88	100		
43	34.0	24.5	36.7
58	75.8	54.5	81.7

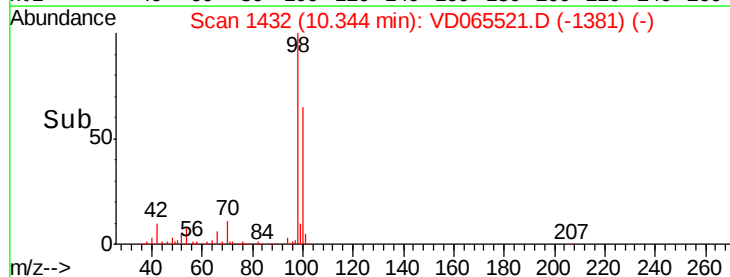
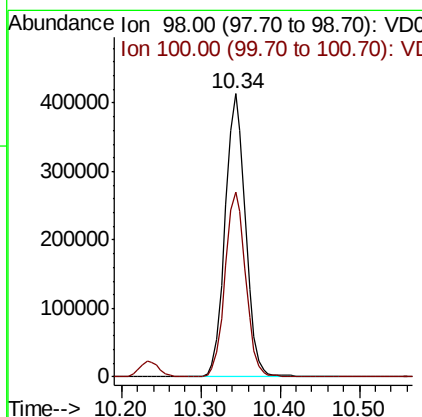
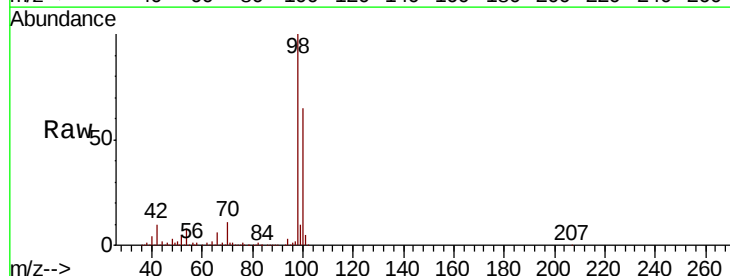
Manual Integrations
APPROVED

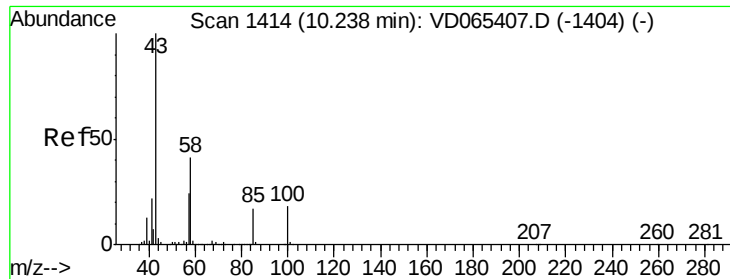
apatel
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#50
Toluene-d8
Concen: 49.926 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065521.D
Acq: 24 Mar 2020 16:00

Tgt Ion	98	Resp	735075
Ion Ratio	Lower	Upper	
98	100		
100	65.8	52.8	79.2





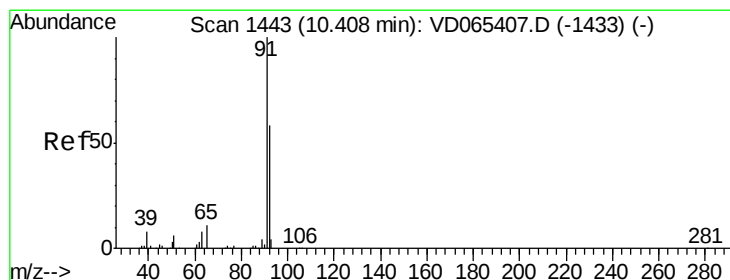
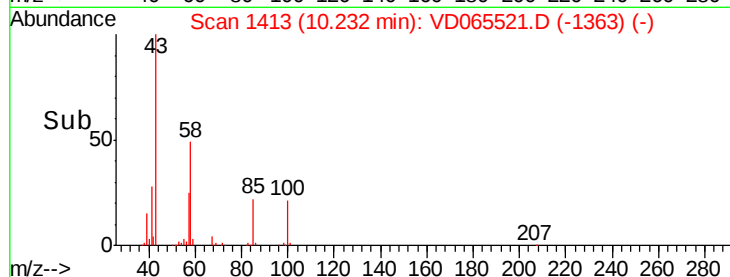
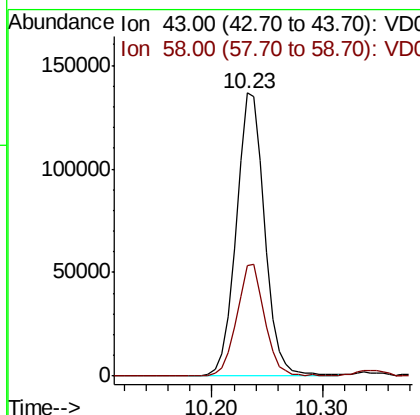
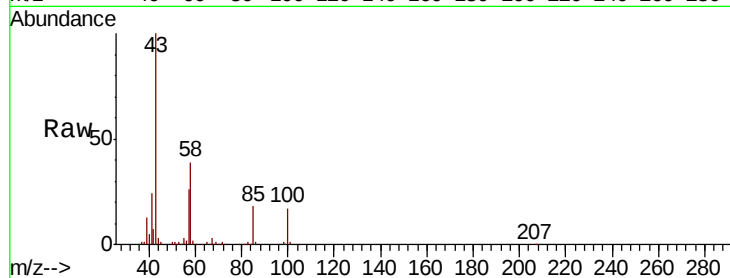
#51
4-Methyl-2-Pentanone
Concen: 115.866 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.01 min
Lab File: VD065521.D
Acq: 24 Mar 2020 16:00

Instrument :
MSVOA_D
ClientSampleId :
VD0324SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.0	31.8	47.6

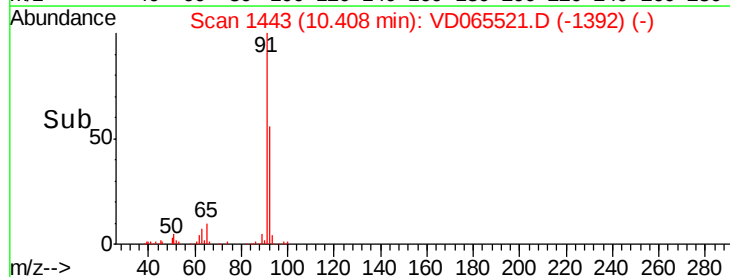
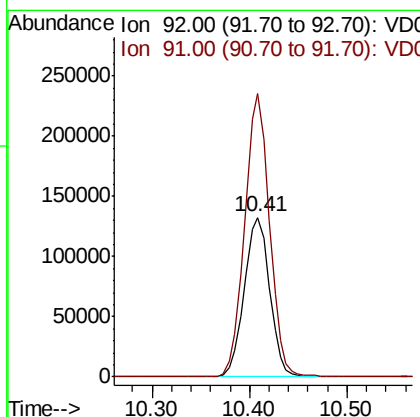
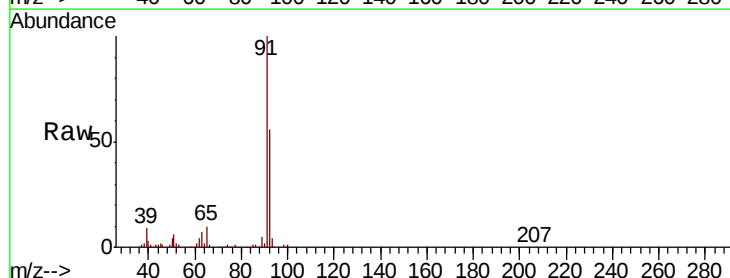
Manual Integrations
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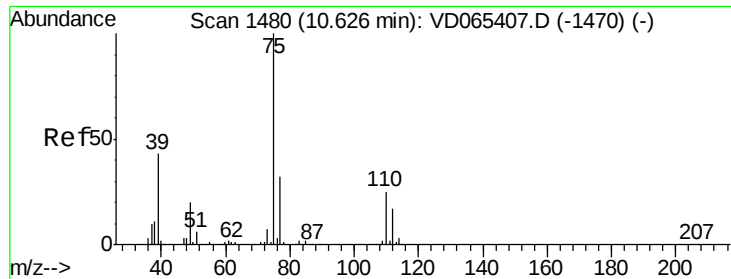
apatel
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#52
Toluene
Concen: 23.034 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VD065521.D
Acq: 24 Mar 2020 16:00

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.5	137.8	206.8





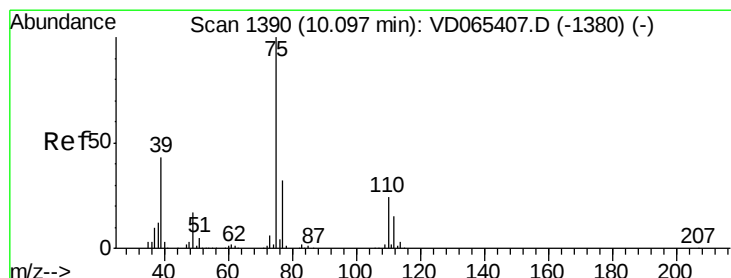
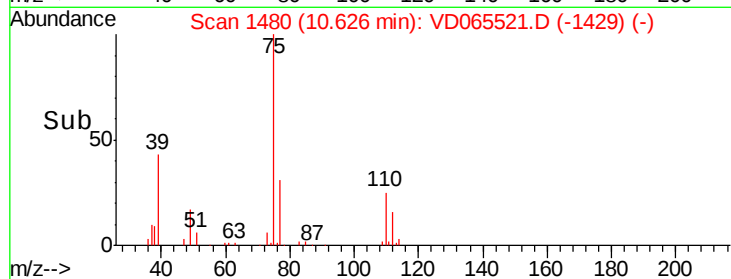
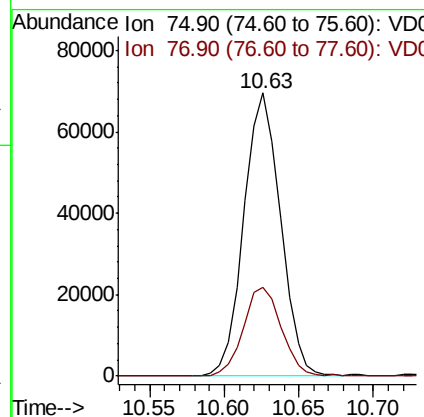
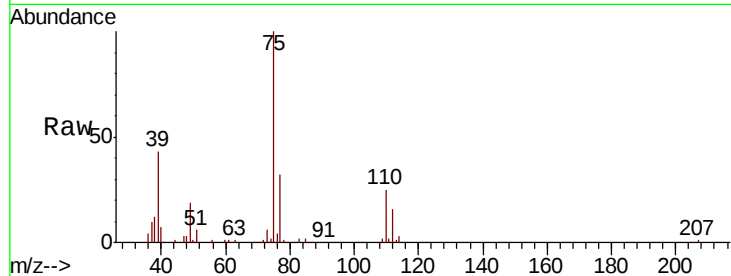
#53
 t-1,3-Dichloropropene
 Concen: 23.332 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. -0.00 min
 Lab File: VD065521.D
 Acq: 24 Mar 2020 16:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0324SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.4	38.2

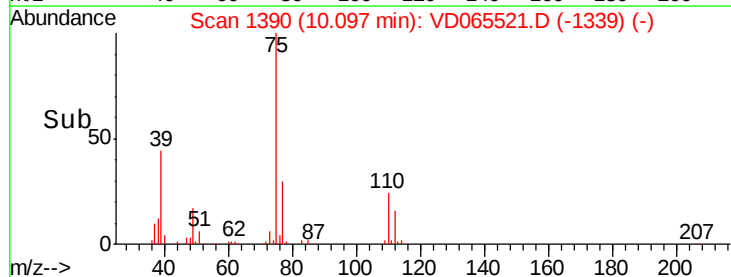
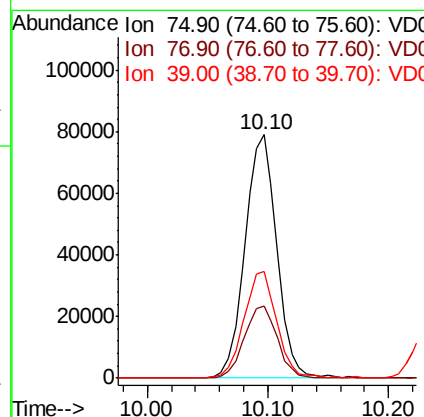
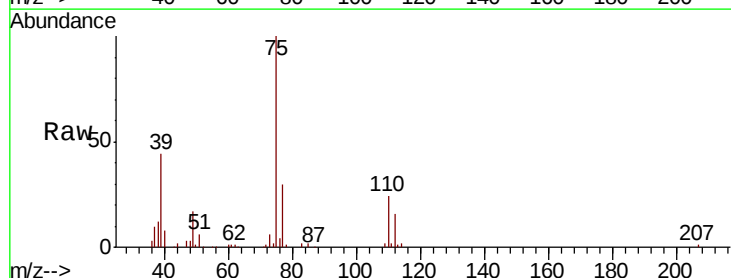
Manual Integrations
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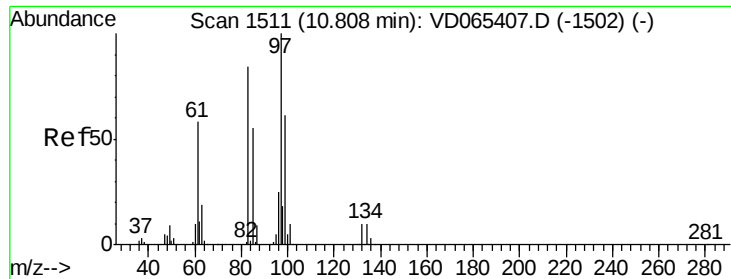
apatel
 3/25/2020 10:40:06 AM



#54
 cis-1,3-Dichloropropene
 Concen: 23.601 ug/l
 RT: 10.10 min Scan# 1390
 Delta R.T. -0.00 min
 Lab File: VD065521.D
 Acq: 24 Mar 2020 16:00

Tgt Ion	Ratio	Lower	Upper
75	100		
77	29.5	25.3	37.9
39	43.5	34.6	52.0





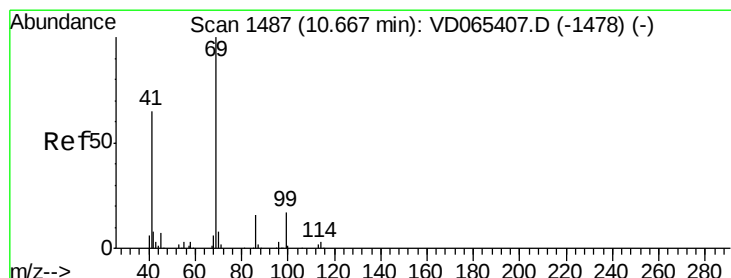
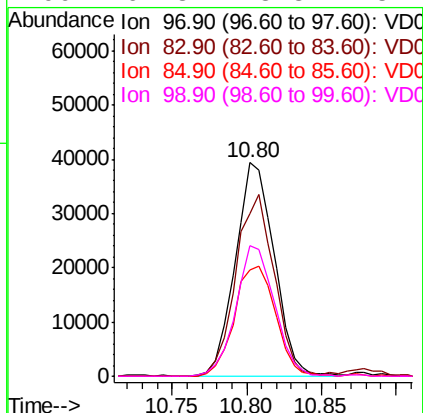
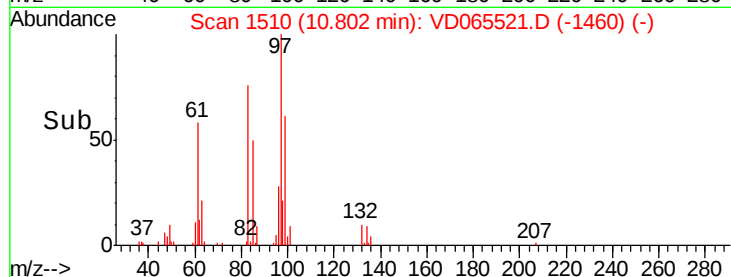
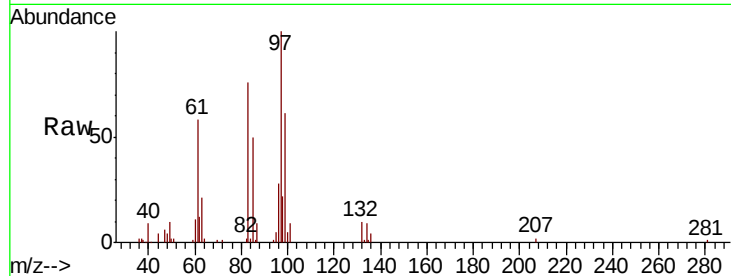
#55
 1,1,2-Trichloroethane
 Concen: 24.079 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD065521.D
 Acq: 24 Mar 2020 16:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0324SBSD01

Tot Ion	Ratio	Lower	Upper
97	100		
83	76.0	67.4	101.0
85	49.5	43.8	65.8
99	61.3	48.8	73.2

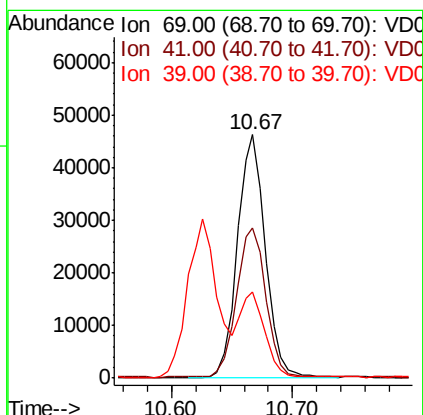
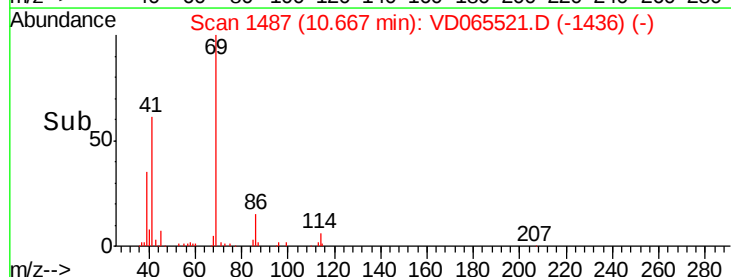
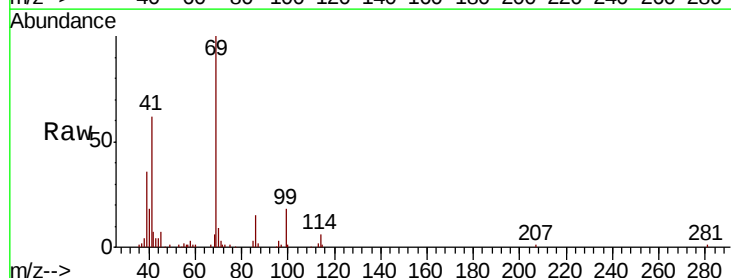
Manual Integrations
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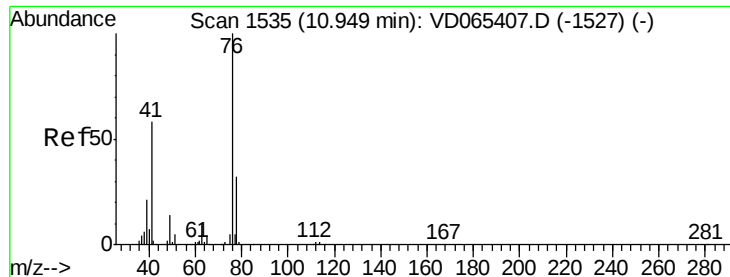
apatel
 3/25/2020 10:40:06 AM



#56
 Ethyl methacrylate
 Concen: 22.476 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065521.D
 Acq: 24 Mar 2020 16:00

Tgt Ion	Ratio	Lower	Upper
69	100		
41	64.0	53.0	79.6
39	31.9	26.0	39.0





#57

1,3-Dichloropropane

Concen: 23.678 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD065521.D

Acq: 24 Mar 2020 16:00

Instrument :

MSVOA_D

ClientSampleId :

VD0324SBS01

Tot Ion: 76 Resp: 118586

Ion Ratio Lower Upper

76 100

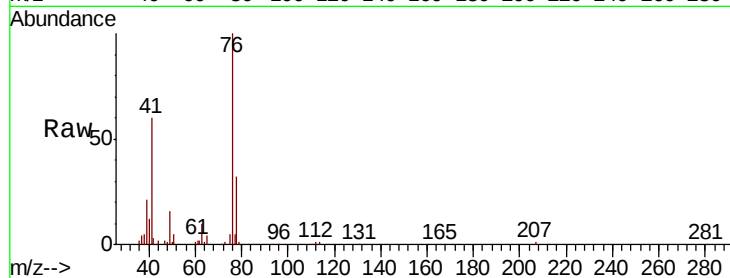
78 32.1 26.0 39.0

Manual Integrations

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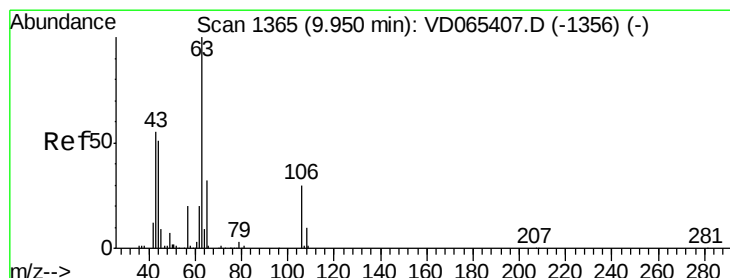
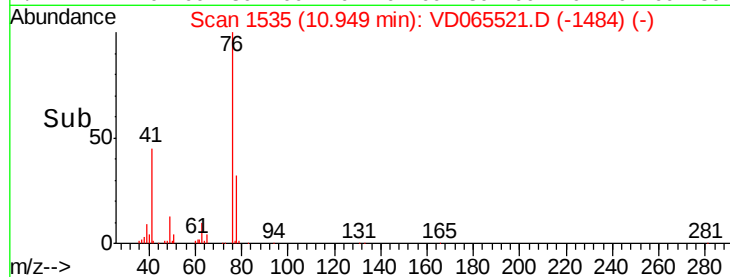
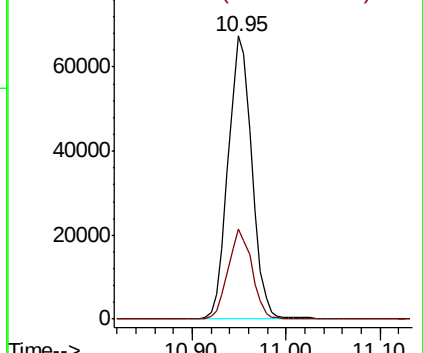
apatel

3/25/2020 10:40:06 AM



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 106.112 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VD065521.D

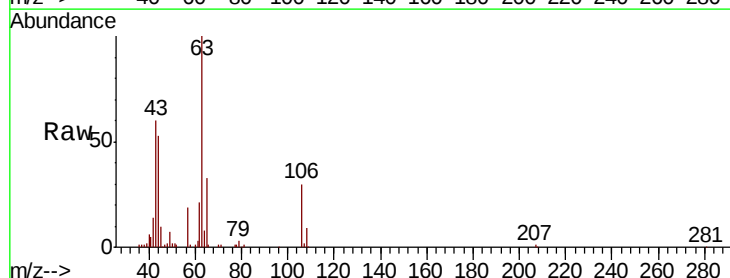
Acq: 24 Mar 2020 16:00

Tgt Ion: 63 Resp: 109346

Ion Ratio Lower Upper

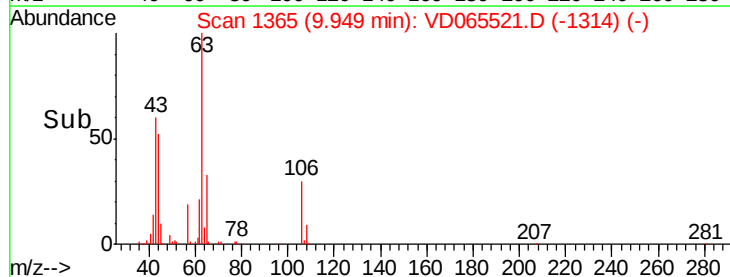
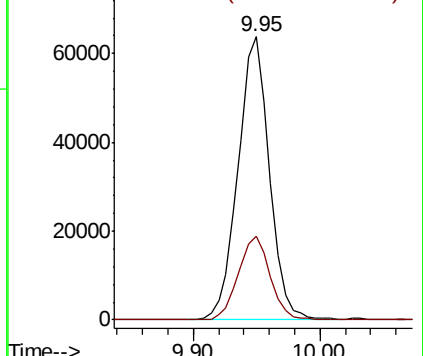
63 100

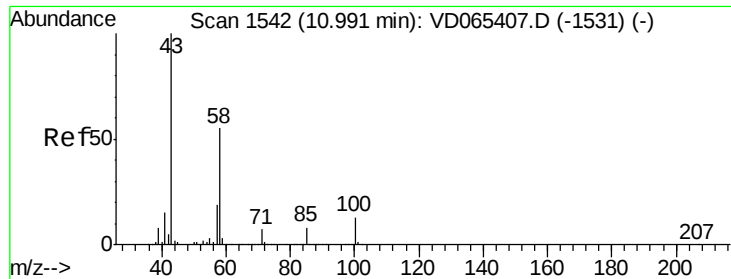
106 29.8 23.3 34.9



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V





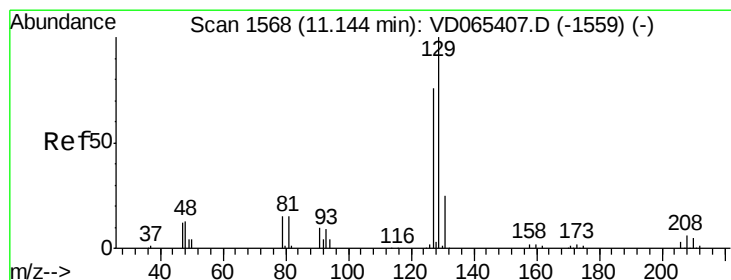
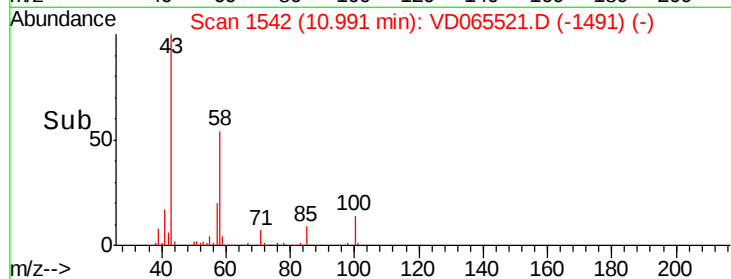
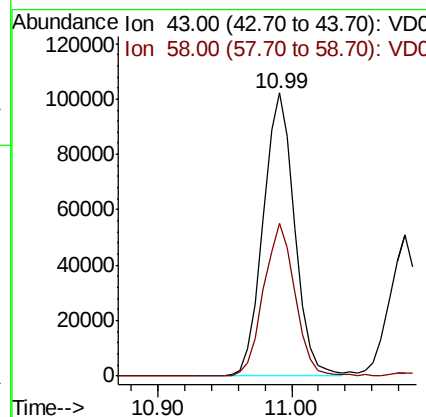
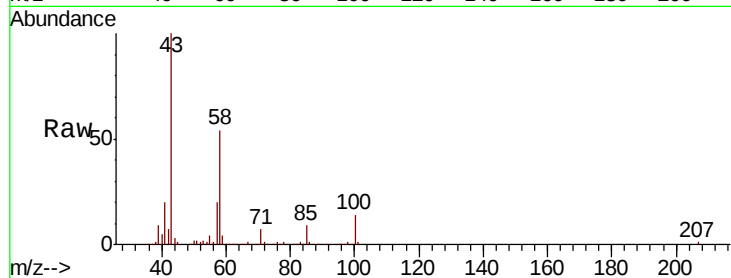
#59
2-Hexanone
Concen: 112.398 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065521.D
Acq: 24 Mar 2020 16:00

Instrument :
MSVOA_D
ClientSampleId :
VD0324SBSD01

Tot Ion: 43 Resp: 166231
Ion Ratio Lower Upper
43 100
58 54.1 27.4 82.2

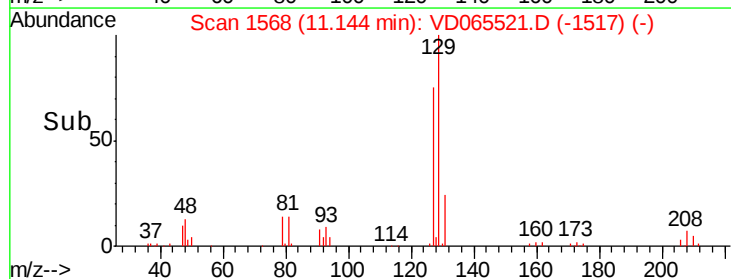
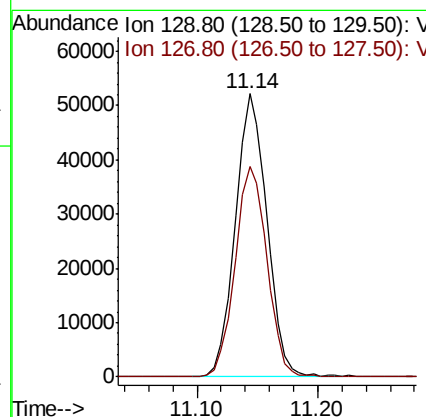
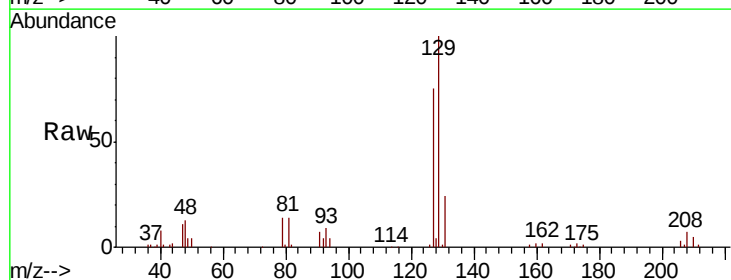
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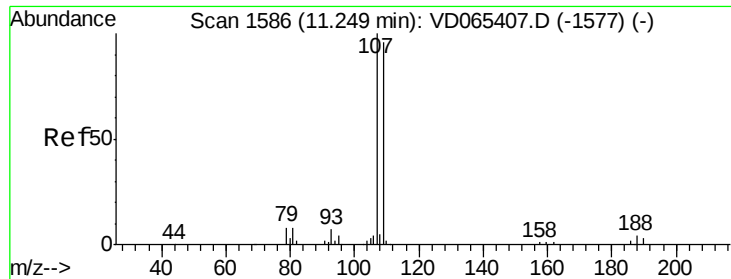
apatel
3/25/2020 10:40:06 AM



#60
Dibromochloromethane
Concen: 25.052 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065521.D
Acq: 24 Mar 2020 16:00

Tgt Ion: 129 Resp: 95052
Ion Ratio Lower Upper
129 100
127 75.3 38.5 115.5





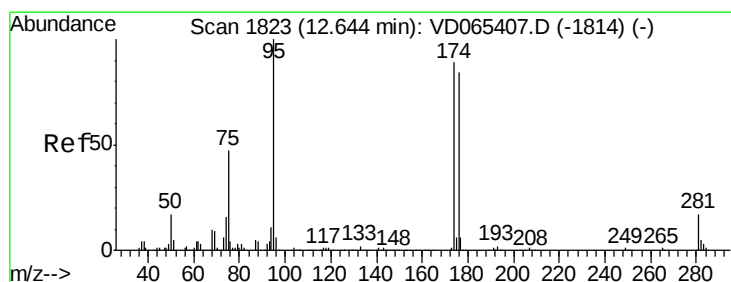
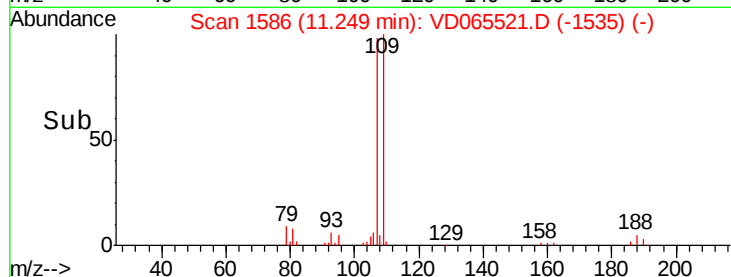
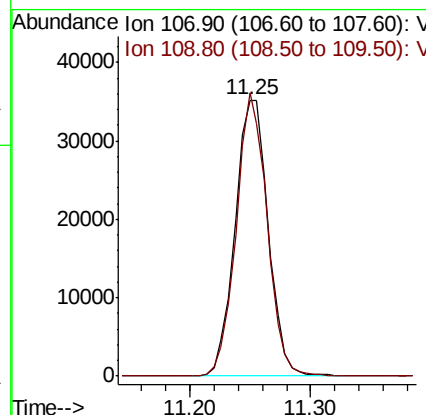
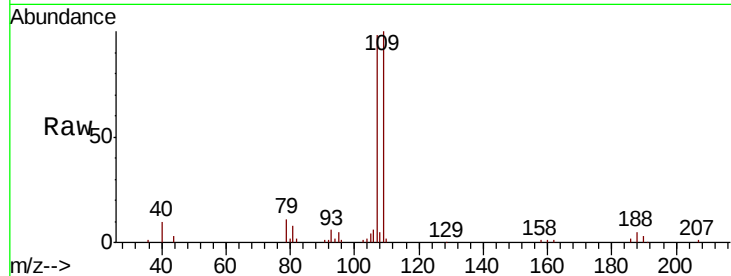
#61
1,2-Dibromoethane
Concen: 23.815 ug/l
RT: 11.25 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VD065521.D
Acq: 24 Mar 2020 16:00

Instrument :
MSVOA_D
ClientSampleId :
VD0324SBSD01

Tot Ion: 107 Resp: 67237
Ion Ratio Lower Upper
107 100
109 95.4 76.8 115.2

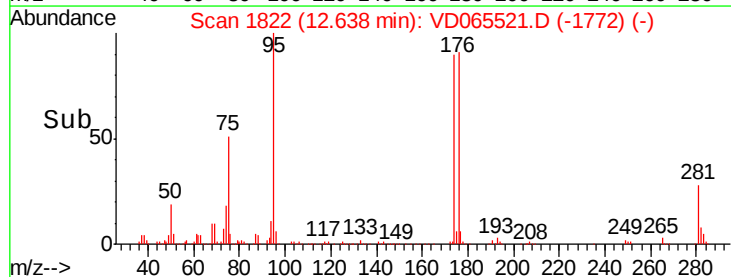
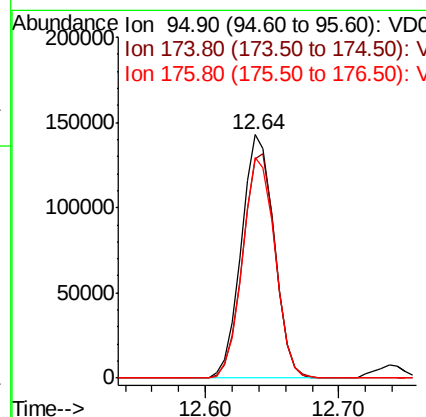
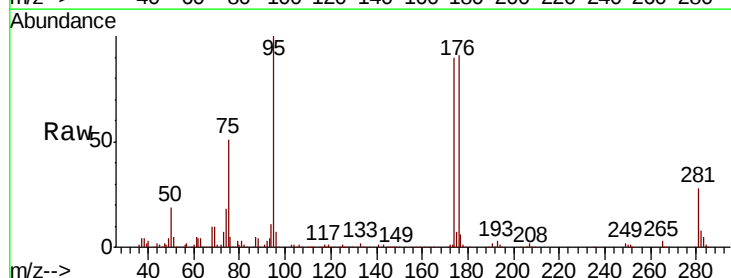
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#62
4-Bromofluorobenzene
Concen: 53.270 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.01 min
Lab File: VD065521.D
Acq: 24 Mar 2020 16:00

Tgt Ion: 95 Resp: 242126
Ion Ratio Lower Upper
95 100
174 91.8 0.0 176.8
176 89.5 0.0 171.4





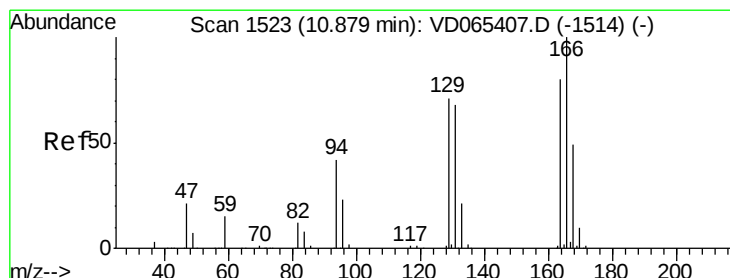
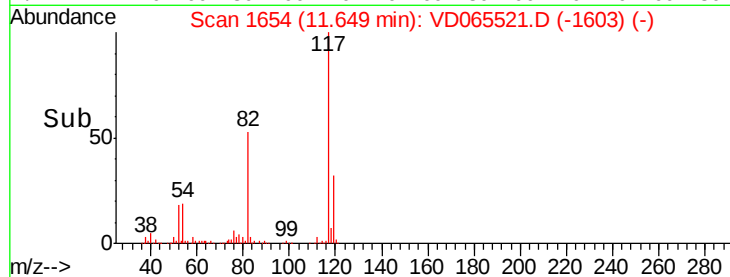
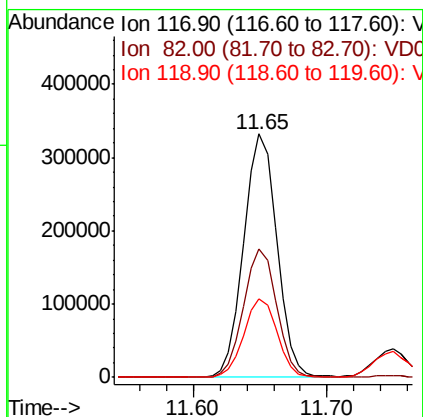
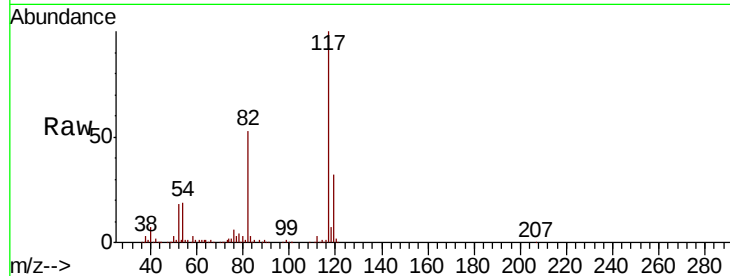
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065521.D
Acq: 24 Mar 2020 16:00

Instrument :
MSVOA_D
ClientSampleId :
VD0324SBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.7	40.6	60.8
119	32.3	25.4	38.2

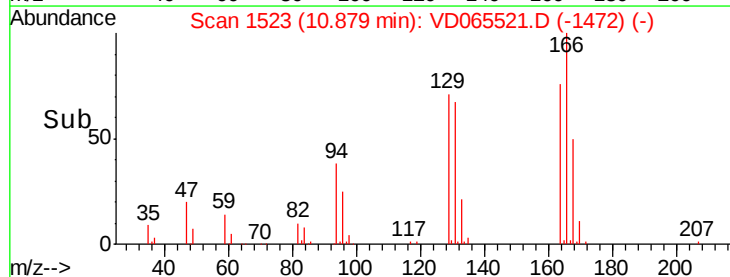
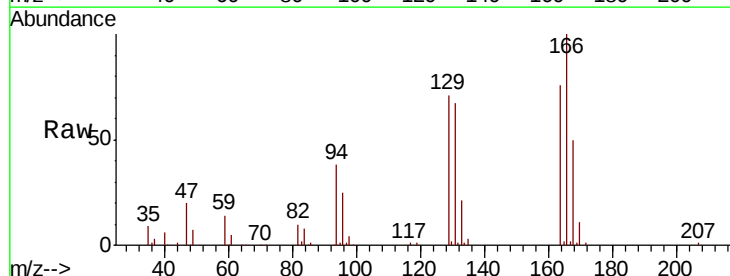
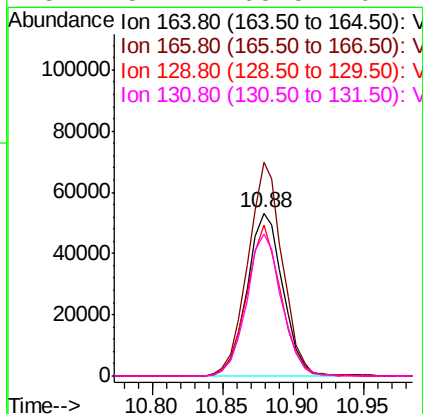
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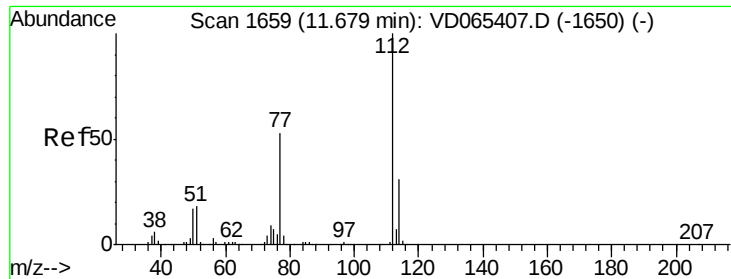
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#64
Tetrachloroethene
Concen: 23.099 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065521.D
Acq: 24 Mar 2020 16:00

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.1	100.5	150.7
129	93.1	71.5	107.3
131	87.2	68.5	102.7





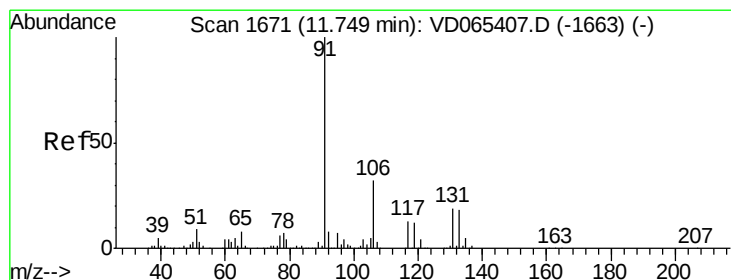
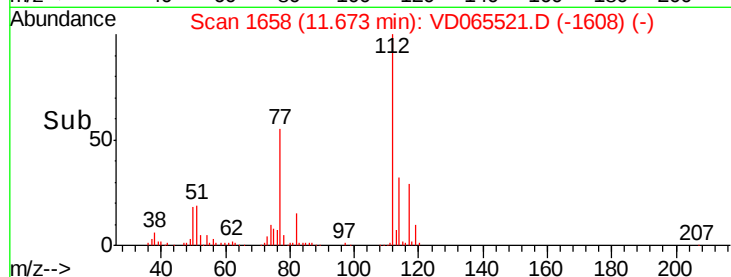
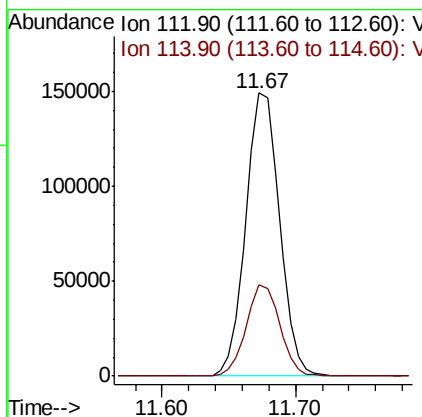
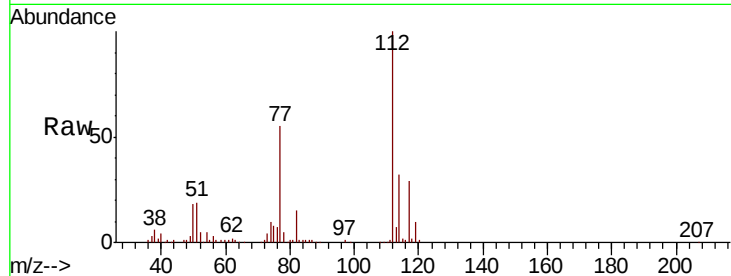
#65
Chlorobenzene
Concen: 23.091 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD065521.D
Acq: 24 Mar 2020 16:00

Instrument :
MSVOA_D
ClientSampleId :
VD0324SBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.2	24.4	36.6

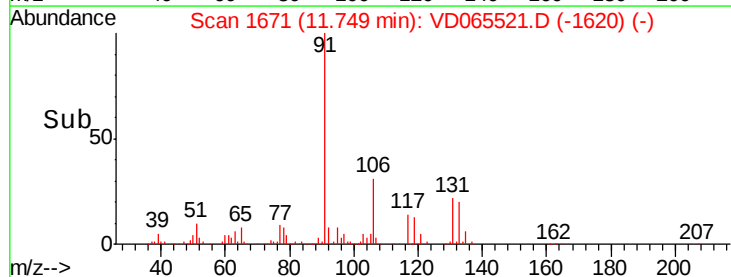
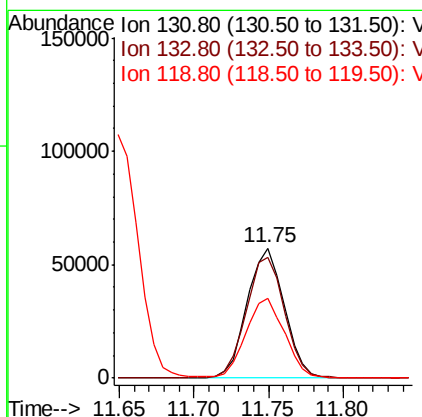
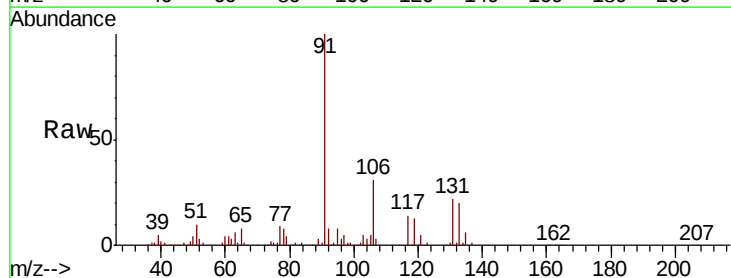
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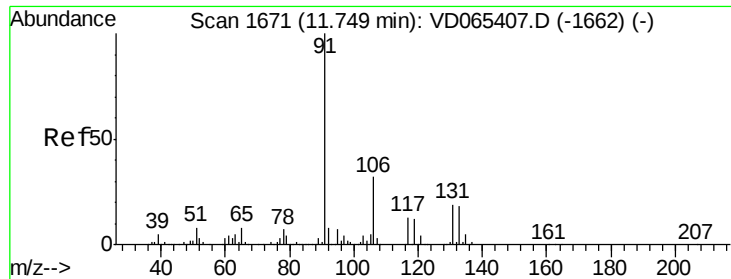
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#66
1,1,1,2-Tetrachloroethane
Concen: 24.016 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065521.D
Acq: 24 Mar 2020 16:00

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.2	49.2	147.6
119	64.1	33.3	99.8





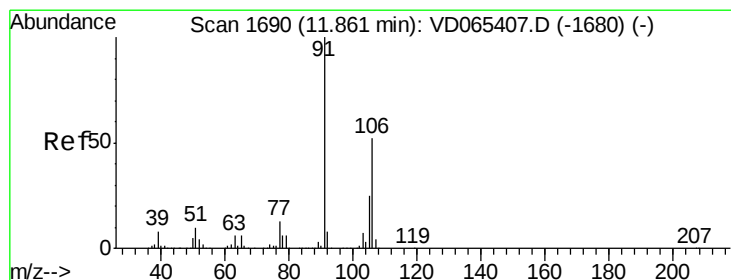
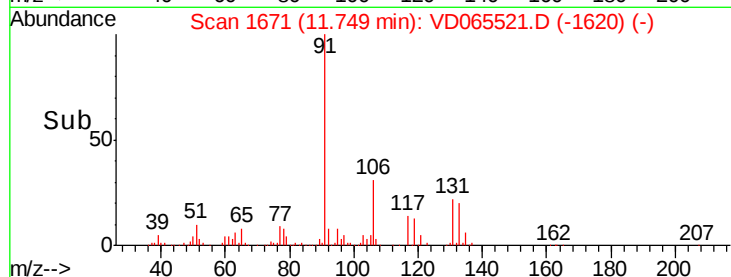
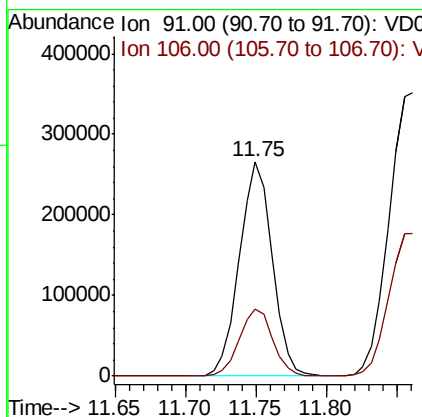
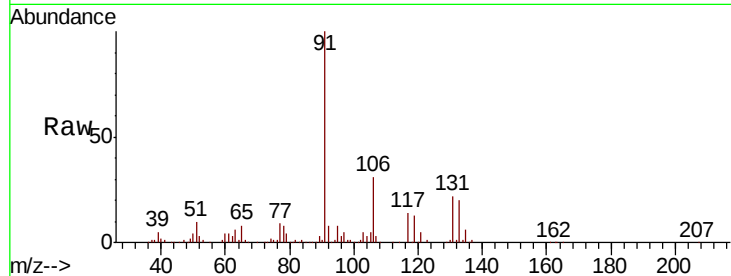
#67
Ethyl Benzene
Concen: 22.224 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065521.D
Acq: 24 Mar 2020 16:00

Instrument :
MSVOA_D
ClientSampleId :
VD0324SBS01

Tot Ion: 91 Resp: 434672
Ion Ratio Lower Upper
91 100
106 31.0 25.2 37.8

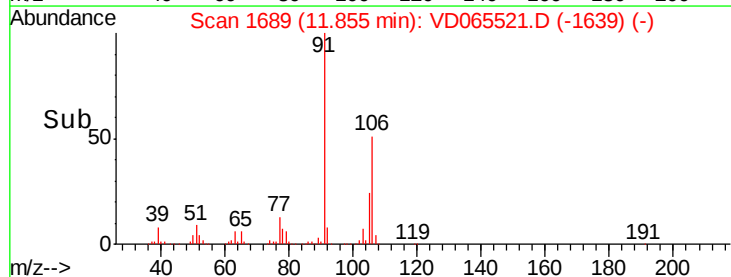
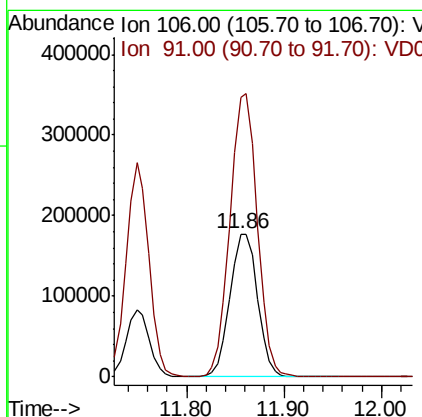
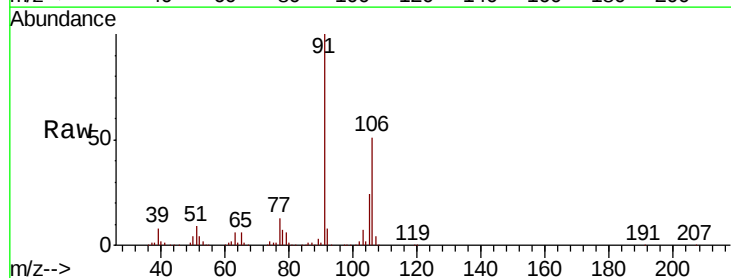
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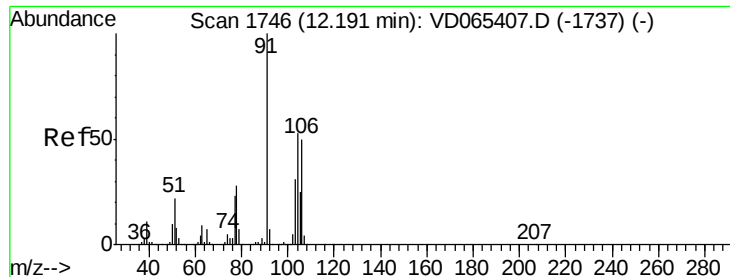
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#68
m/p-Xylenes
Concen: 46.436 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.01 min
Lab File: VD065521.D
Acq: 24 Mar 2020 16:00

Tgt Ion: 106 Resp: 350193
Ion Ratio Lower Upper
106 100
91 195.3 155.9 233.9





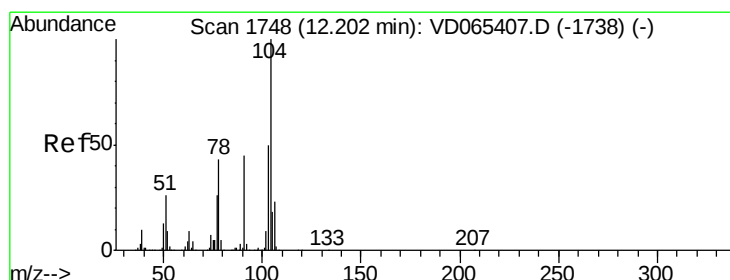
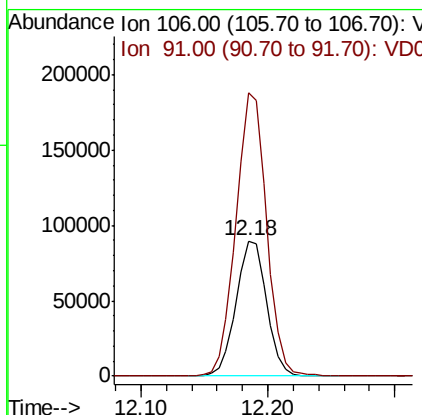
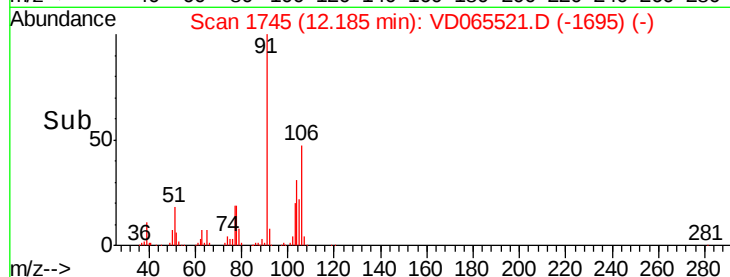
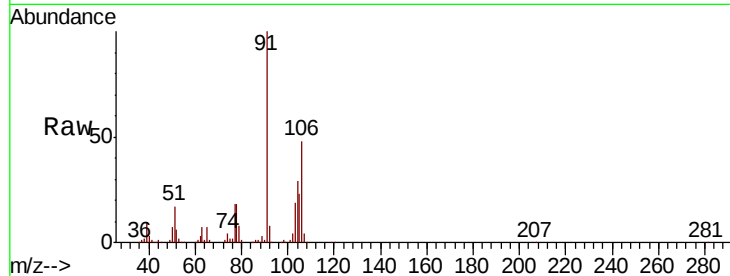
#69
o-Xylene
Concen: 22.530 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.01 min
Lab File: VD065521.D
Acq: 24 Mar 2020 16:00

Instrument :
MSVOA_D
ClientSampleId :
VD0324SBSD01

Tot Ion:106 Resp: 149460
Ion Ratio Lower Upper
106 100
91 210.3 103.5 310.3

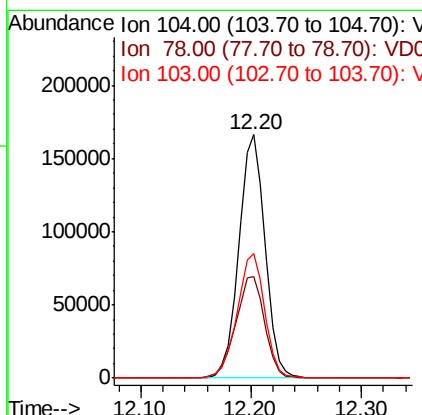
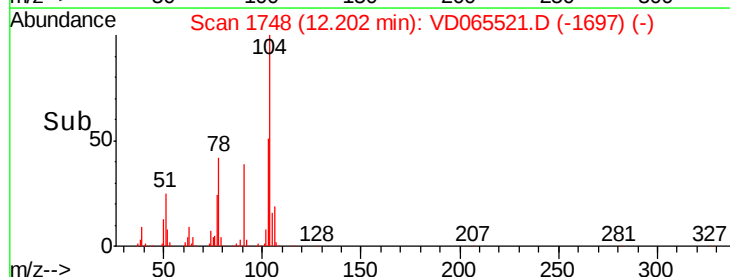
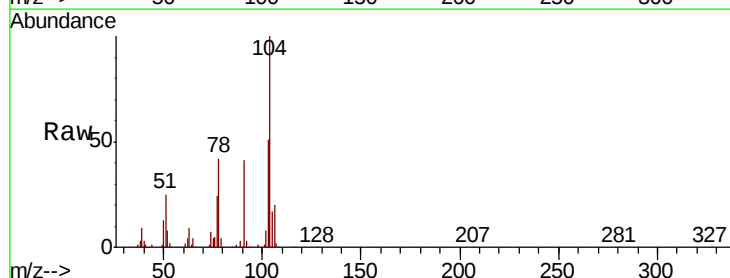
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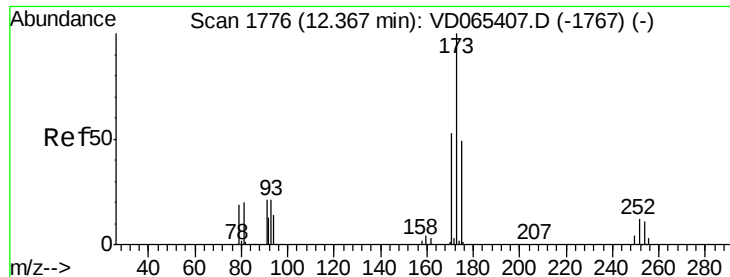
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#70
Styrene
Concen: 23.754 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065521.D
Acq: 24 Mar 2020 16:00

Tgt Ion:104 Resp: 277327
Ion Ratio Lower Upper
104 100
78 46.1 37.7 56.5
103 53.8 43.6 65.4





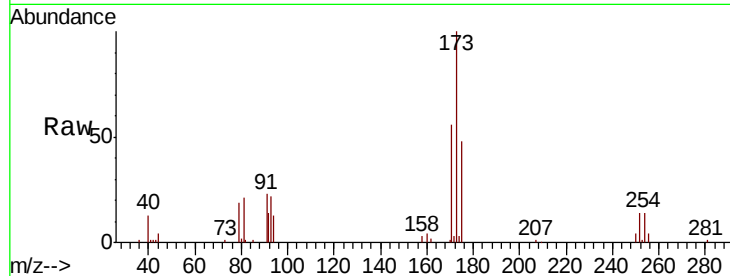
#71
Bromoform
Concen: 24.157 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD065521.D
Acq: 24 Mar 2020 16:00

Instrument :
MSVOA_D
ClientSampleId :
VD0324SBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.3	73.0
254	0.0	0.1	0.1#

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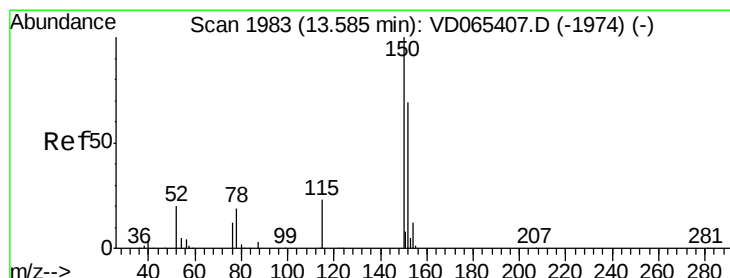
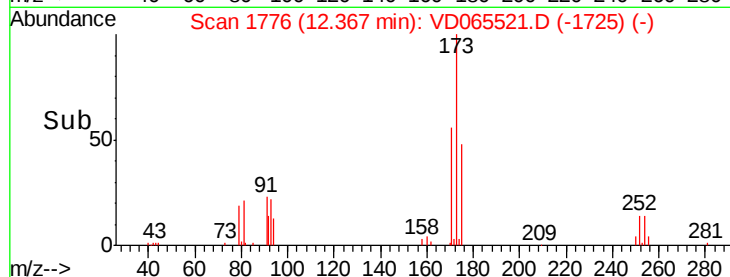
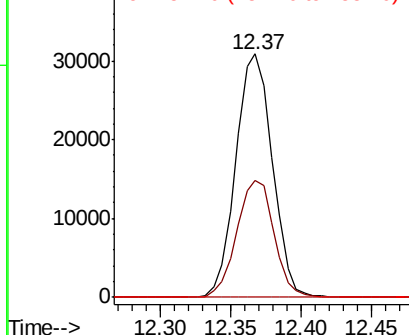


Abundance

Ion 172.70 (172.40 to 173.40): V

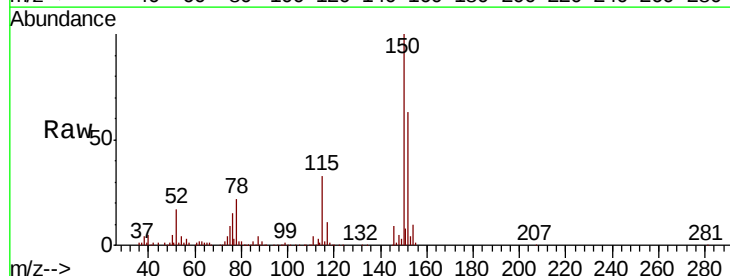
Ion 174.70 (174.40 to 175.40): V

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: VD065521.D
Acq: 24 Mar 2020 16:00

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.6	27.6	82.8
150	163.8	0.0	345.0

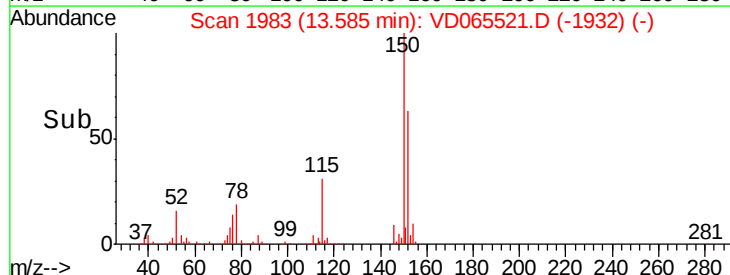
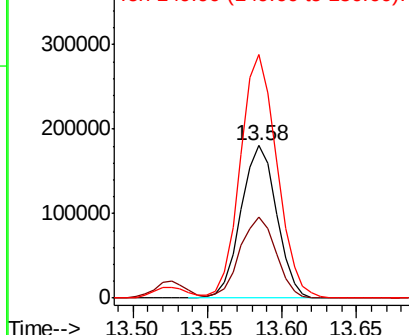


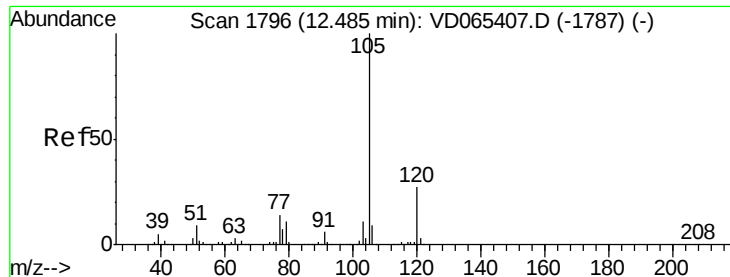
Abundance

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: 21.017 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065521.D

Acq: 24 Mar 2020 16:00

Instrument :

MSVOA_D

ClientSampleId :

VD0324SBS01

Tot Ion: 105 Resp: 414218

Ion Ratio Lower Upper

105 100

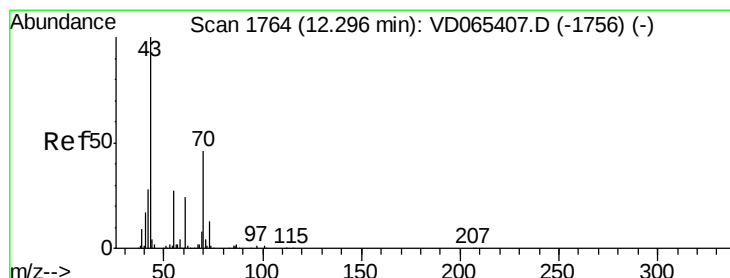
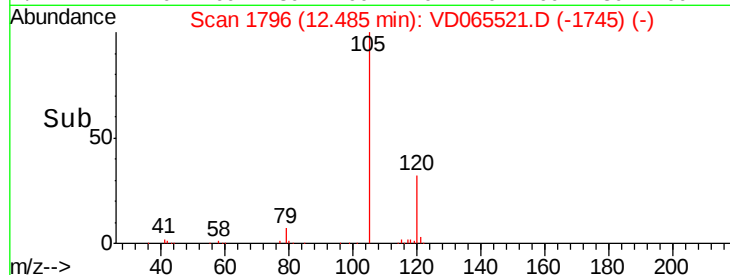
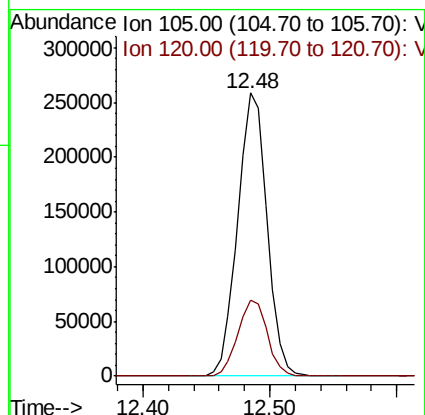
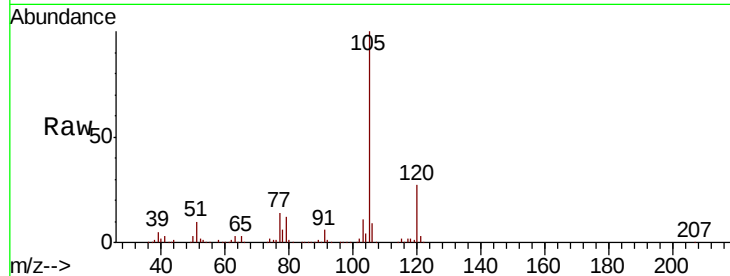
120 27.0 13.5 40.4

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#74

N-ethyl acetate

Concen: 20.783 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065521.D

Acq: 24 Mar 2020 16:00

Tgt Ion: 43 Resp: 83853

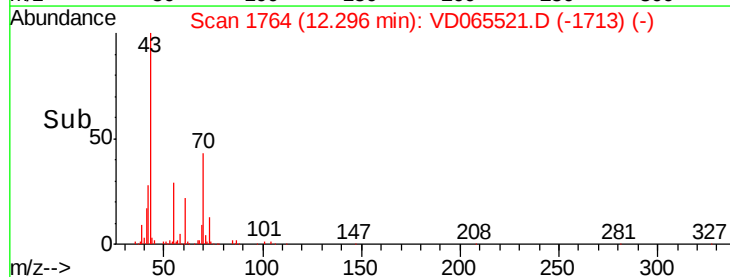
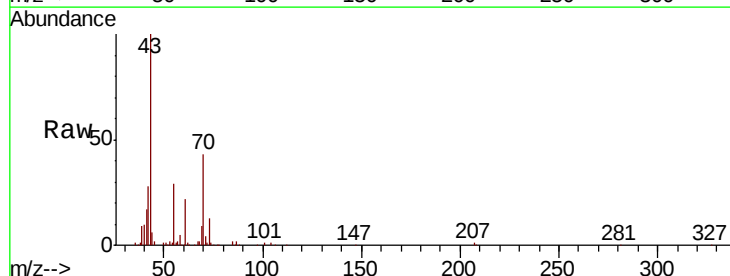
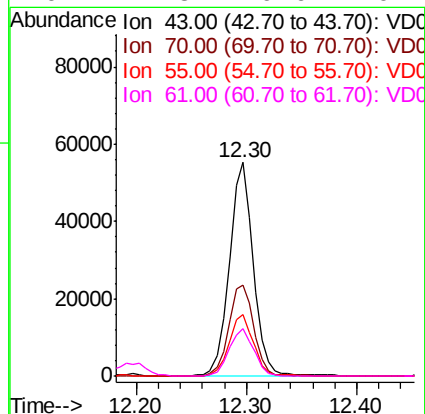
Ion Ratio Lower Upper

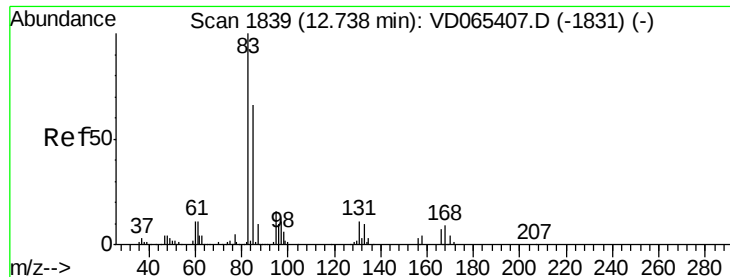
43 100

70 44.4 36.1 54.1

55 29.3 21.6 32.4

61 22.8 19.6 29.4





#75

1,1,2,2-Tetrachloroethane

Concen: 21.627 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065521.D

Acq: 24 Mar 2020 16:00

Instrument :

MSVOA_D

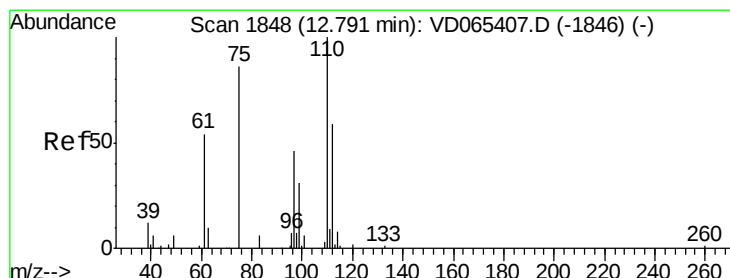
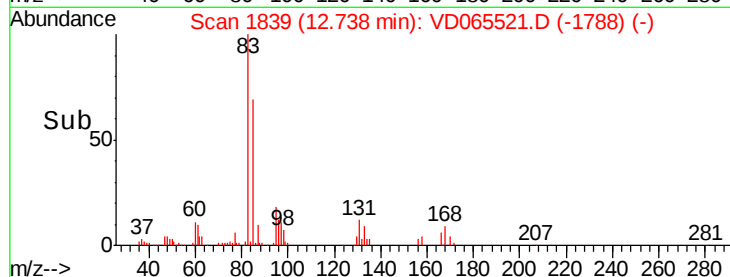
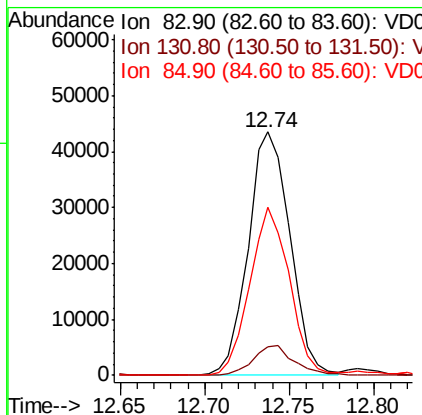
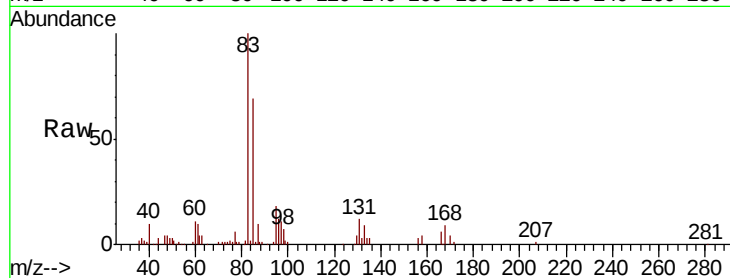
ClientSampleId :

VD0324SBSD01

Tot Ion:	83	Resp:	74921
Ion Ratio	Lower	Upper	
83	100		
131	12.1	5.4	16.2
85	65.5	33.0	98.9

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#76

1,2,3-Trichloropropane

Concen: 21.943 ug/l m

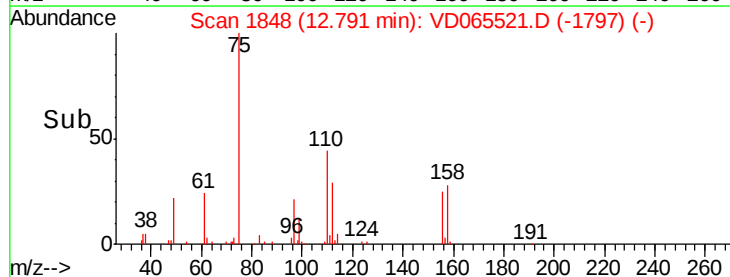
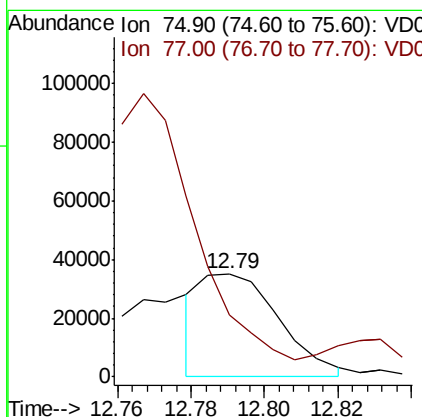
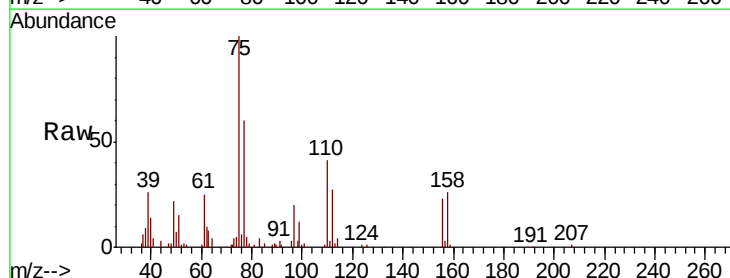
RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD065521.D

Acq: 24 Mar 2020 16:00

Tgt Ion:	75	Resp:	51880
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 22.678 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065521.D

Acq: 24 Mar 2020 16:00

Instrument :

MSVOA_D

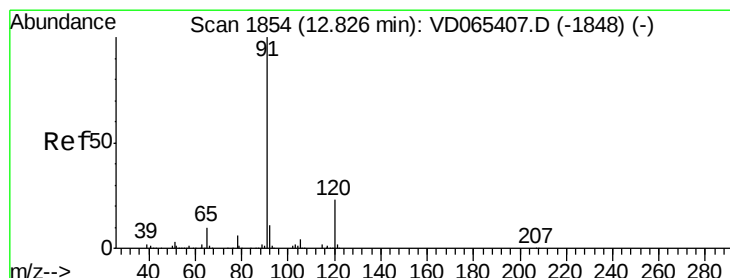
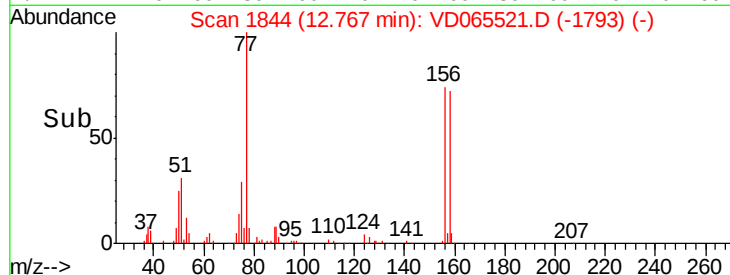
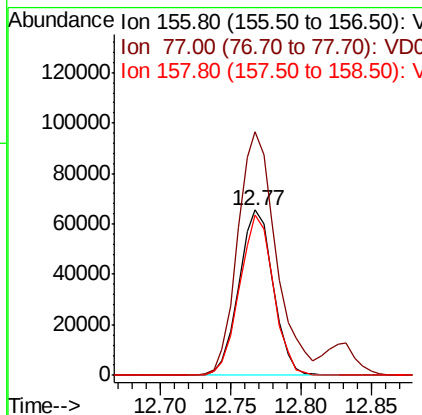
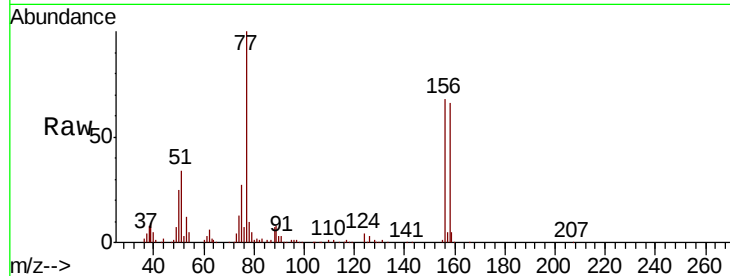
ClientSampleId :

VD0324SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	165.4	84.9	254.6
158	95.9	49.0	147.2

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#78

n-propylbenzene

Concen: 21.532 ug/l

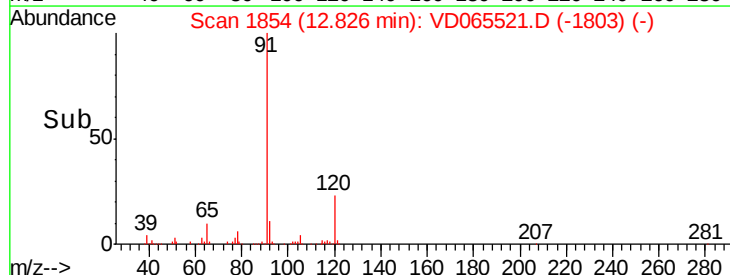
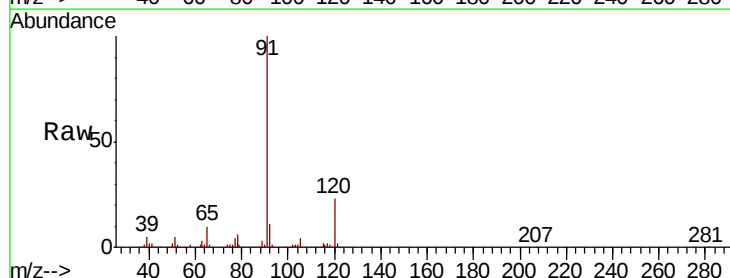
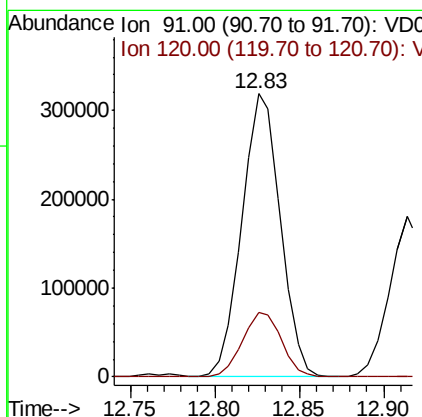
RT: 12.83 min Scan# 1854

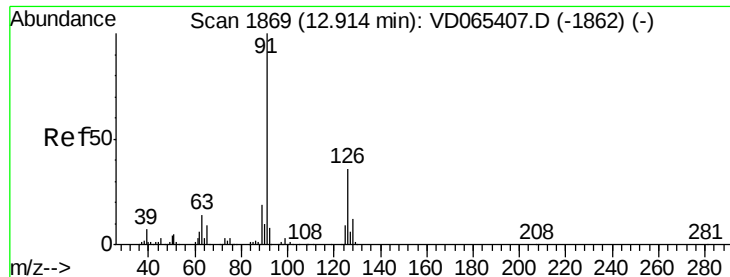
Delta R.T. -0.00 min

Lab File: VD065521.D

Acq: 24 Mar 2020 16:00

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.2	11.9	35.5





#79

2-Chlorotoluene

Concen: 21.920 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD065521.D

Acq: 24 Mar 2020 16:00

Instrument :

MSVOA_D

ClientSampleId :

VD0324SBSD01

Tot Ion: 91 Resp: 288881

Ion Ratio Lower Upper

91 100

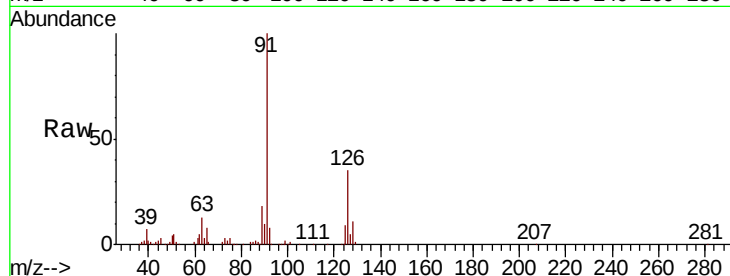
126 34.8 17.9 53.8

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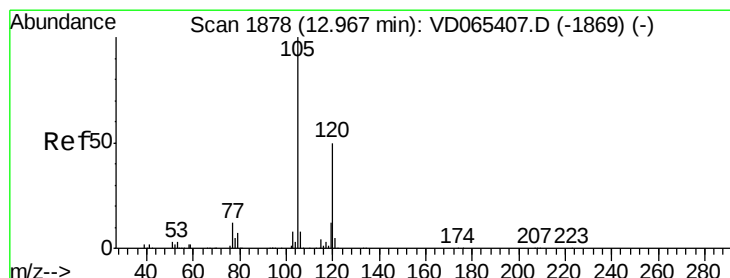
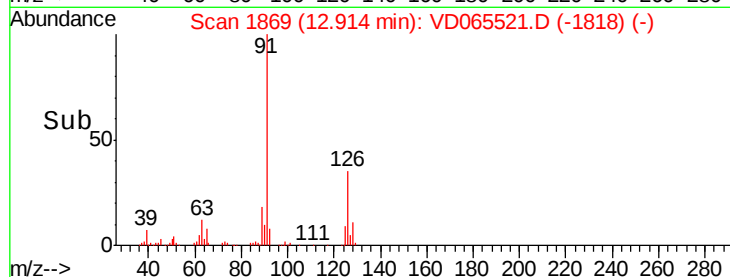
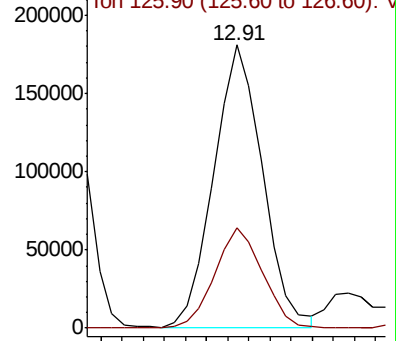
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Abundance Ion 91.00 (90.70 to 91.70): VD065521.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.752 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD065521.D

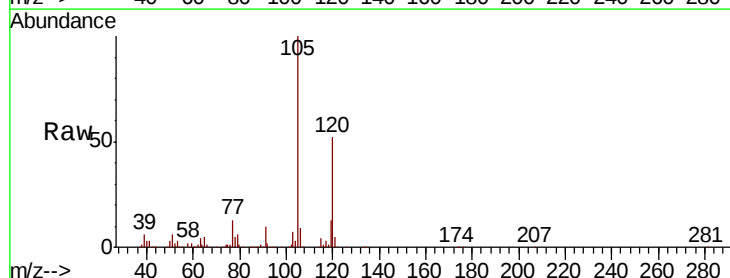
Acq: 24 Mar 2020 16:00

Tgt Ion: 105 Resp: 352442

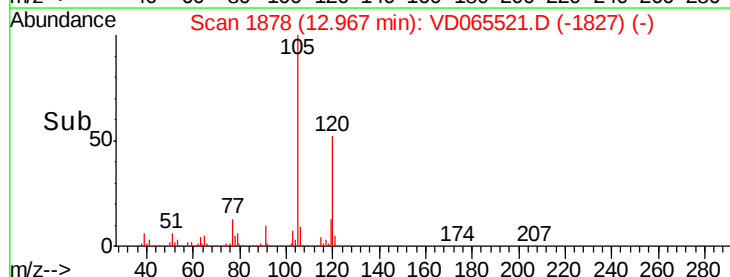
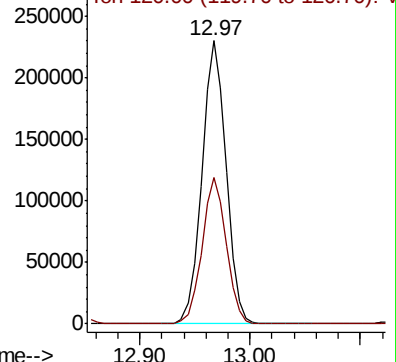
Ion Ratio Lower Upper

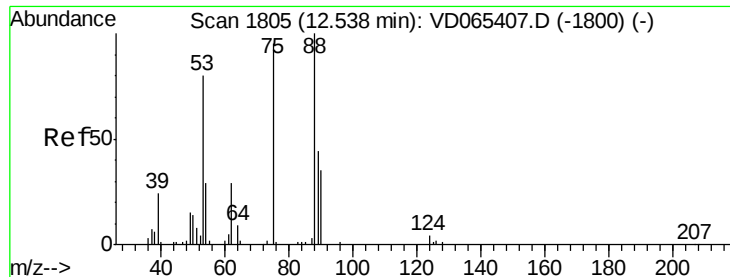
105 100

120 51.8 25.4 76.0



Abundance Ion 105.00 (104.70 to 105.70): VD065521.D (-1869) (-)





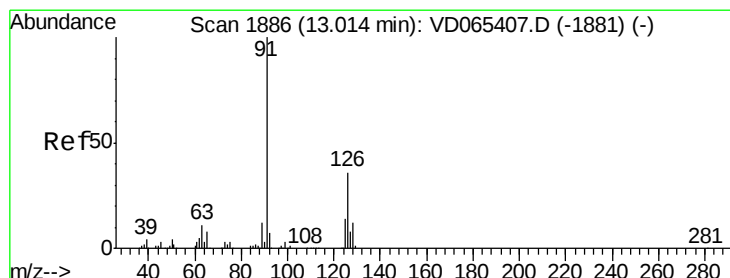
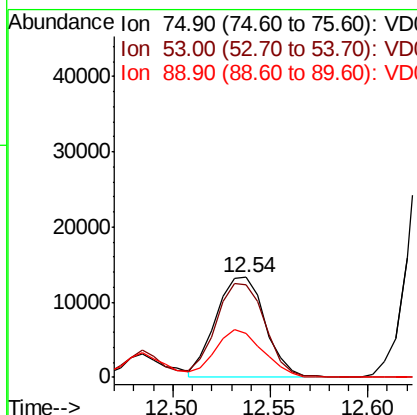
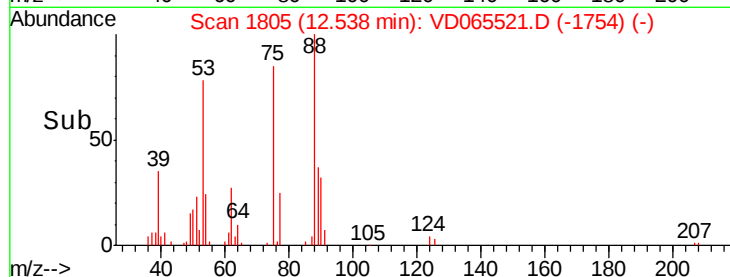
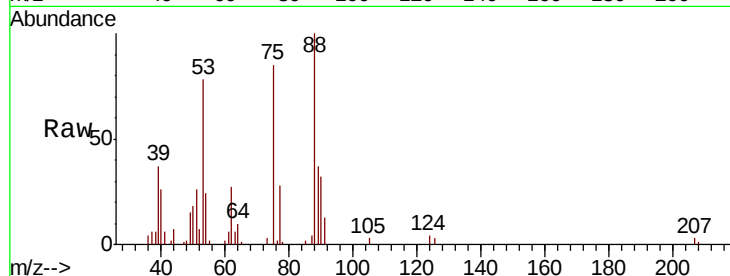
#81
trans-1,4-Dichloro-2-butene
Concen: 20.933 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. -0.00 min
Lab File: VD065521.D
Acq: 24 Mar 2020 16:00

Instrument :
MSVOA_D
ClientSampleId :
VD0324SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	93.2	71.3	106.9
89	45.7	37.0	55.6

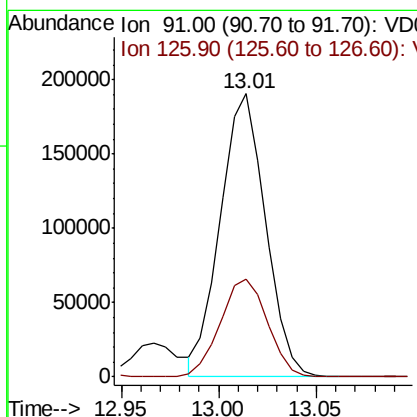
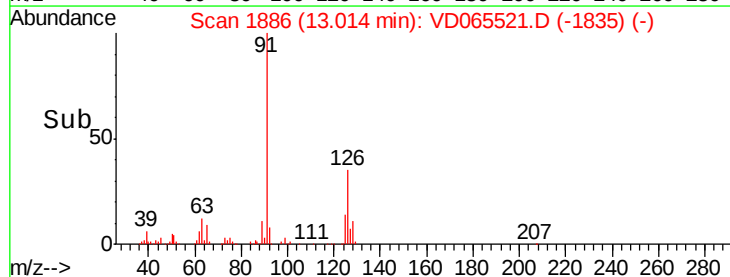
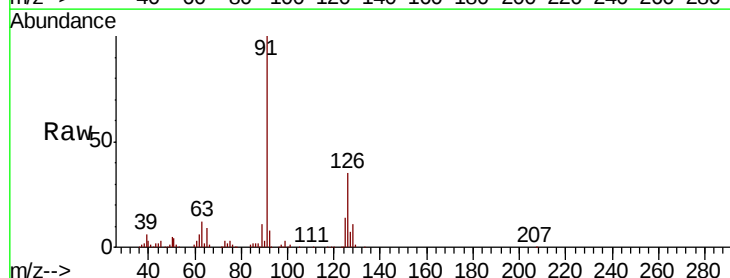
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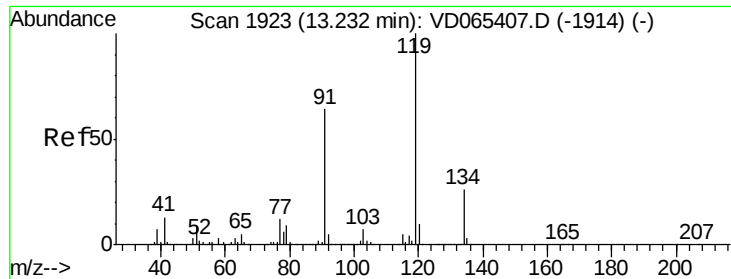
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#82
4-Chlorotoluene
Concen: 22.016 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VD065521.D
Acq: 24 Mar 2020 16:00

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.3	17.6	52.8





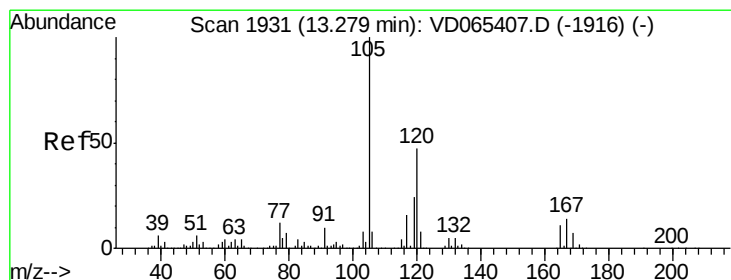
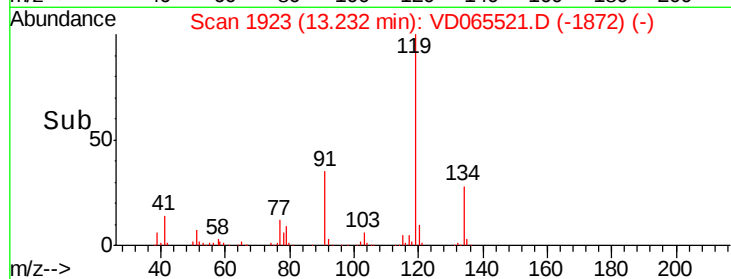
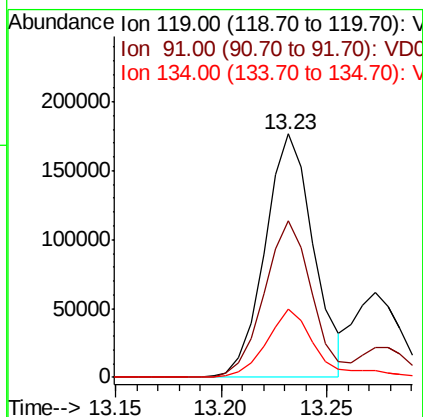
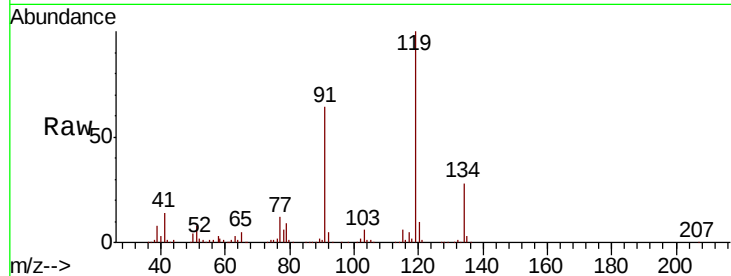
#83
tert-Butylbenzene
Concen: 20.685 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VD065521.D
Acq: 24 Mar 2020 16:00

Instrument :
MSVOA_D
ClientSampleId :
VD0324SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.7	31.6	95.0
134	28.5	14.2	42.8

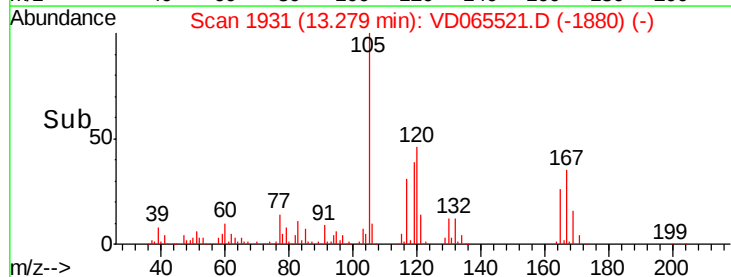
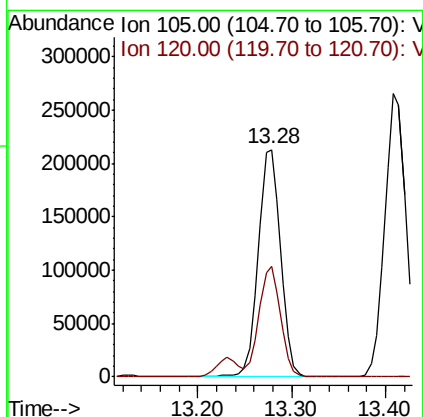
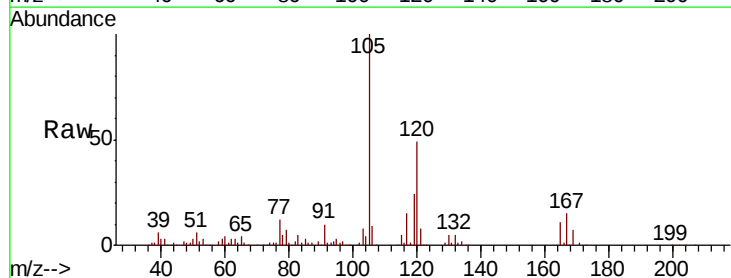
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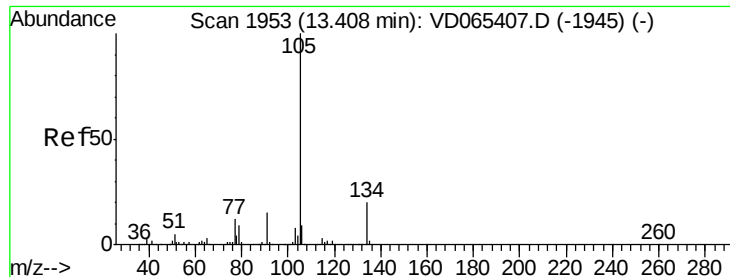
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#84
1,2,4-Trimethylbenzene
Concen: 21.881 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. -0.00 min
Lab File: VD065521.D
Acq: 24 Mar 2020 16:00

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.0	23.4	70.3





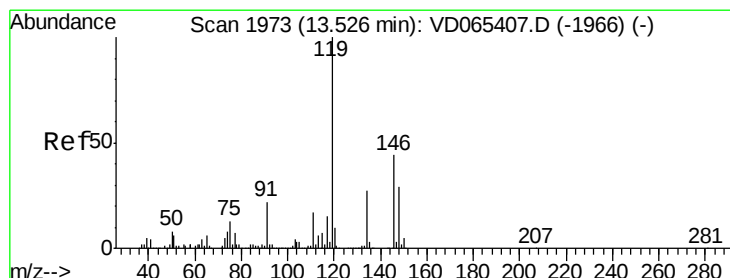
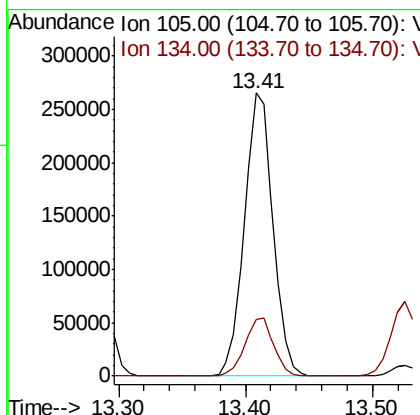
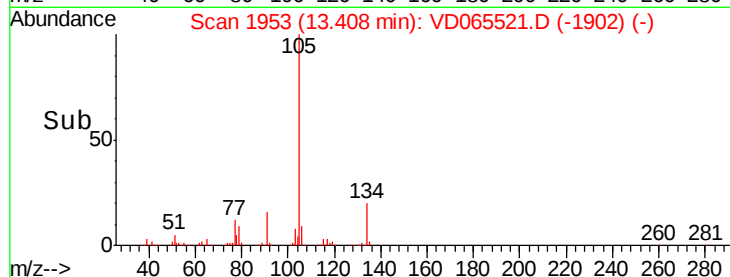
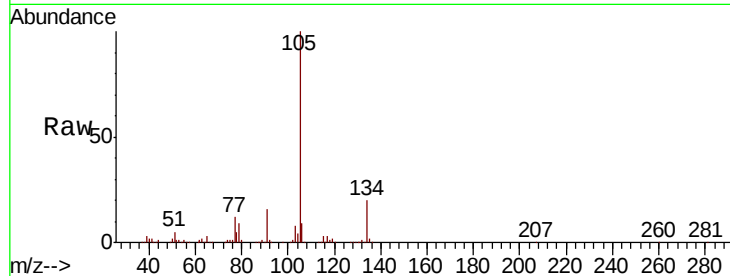
#85
 sec-Butylbenzene
 Concen: 21.217 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.00 min
 Lab File: VD065521.D
 Acq: 24 Mar 2020 16:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0324SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.7	10.3	30.9

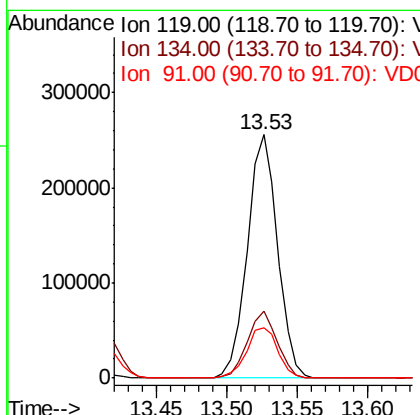
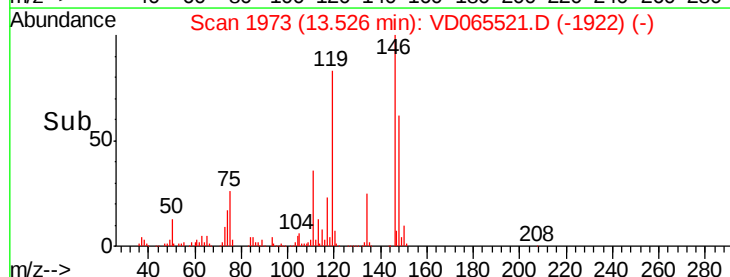
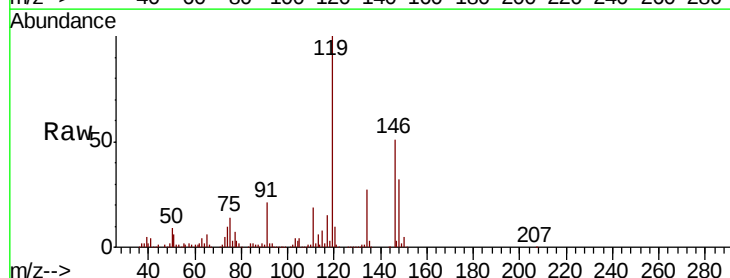
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#86
 p-Isopropyltoluene
 Concen: 21.421 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065521.D
 Acq: 24 Mar 2020 16:00

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.2	13.3	39.9
91	21.7	10.9	32.6





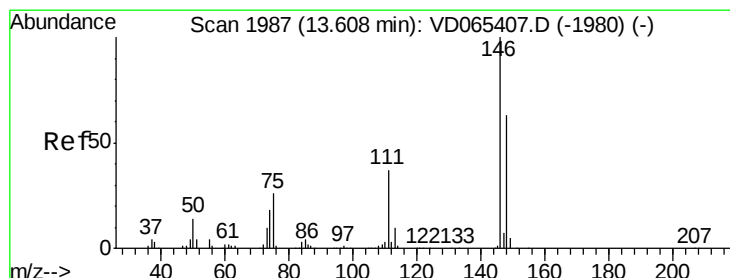
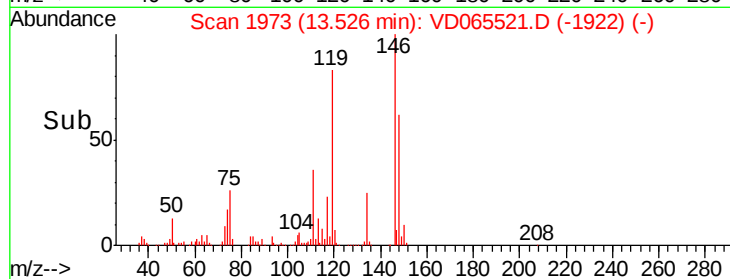
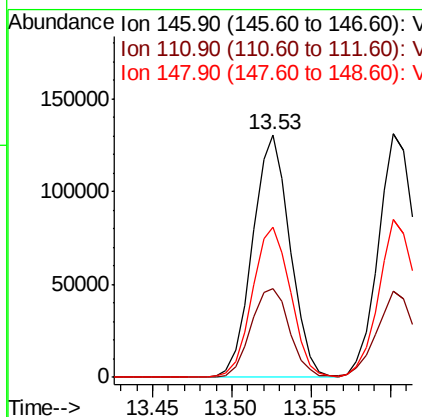
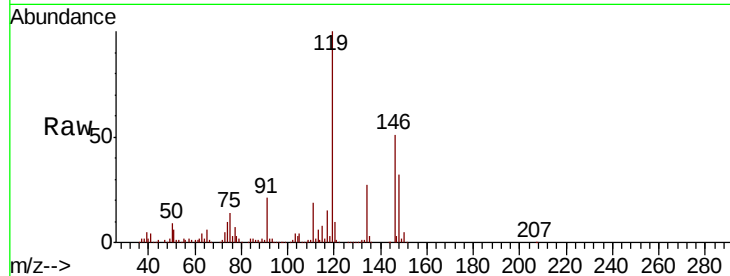
#87
 1,3-Dichlorobenzene
 Concen: 22.767 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065521.D
 Acq: 24 Mar 2020 16:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0324SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	214332		
111	37.7	19.1	57.1	
148	63.3	32.3	96.8	

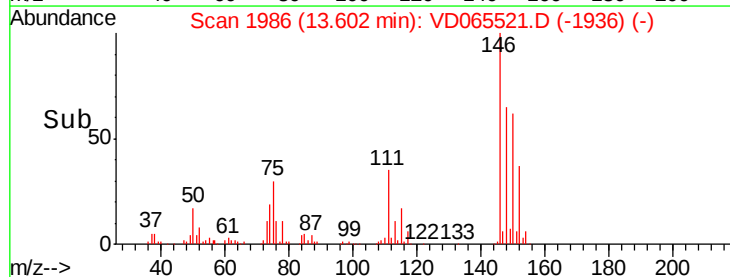
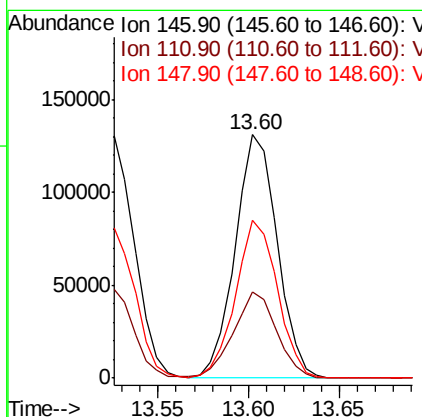
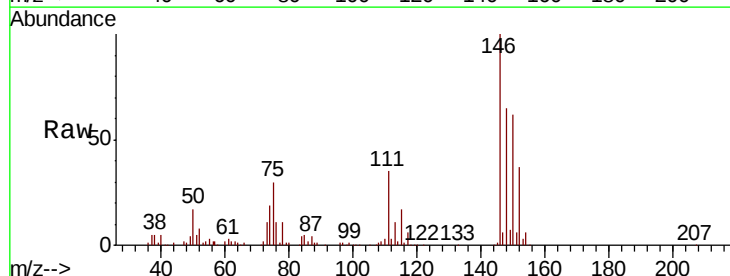
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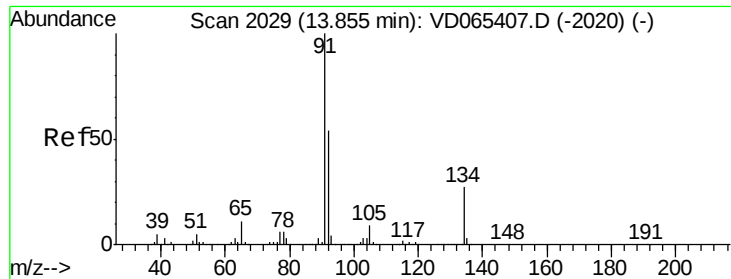
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#88
 1,4-Dichlorobenzene
 Concen: 22.620 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.01 min
 Lab File: VD065521.D
 Acq: 24 Mar 2020 16:00

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	211826		
111	36.4	18.5	55.5	
148	64.5	32.0	96.0	





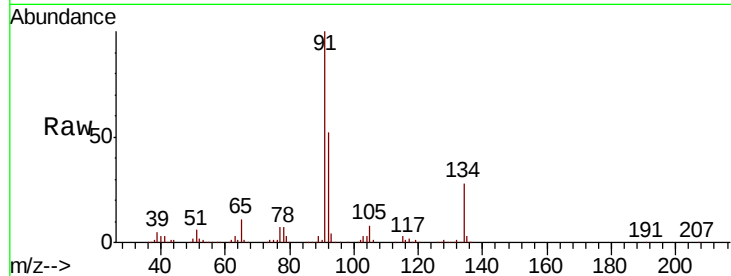
#89
n-Butylbenzene
Concen: 20.728 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD065521.D
Acq: 24 Mar 2020 16:00

Instrument :
MSVOA_D
ClientSampleId :
VD0324SBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		342132		
92	52.4	26.8	80.4		
134	26.7	13.4	40.2		

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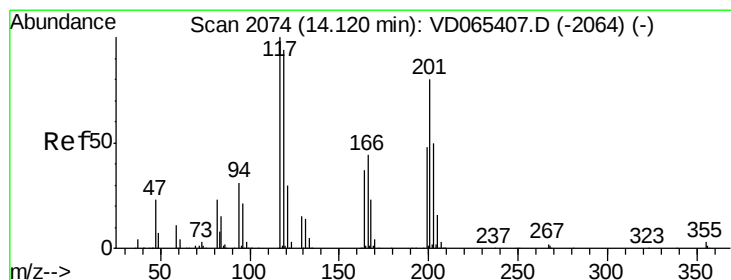
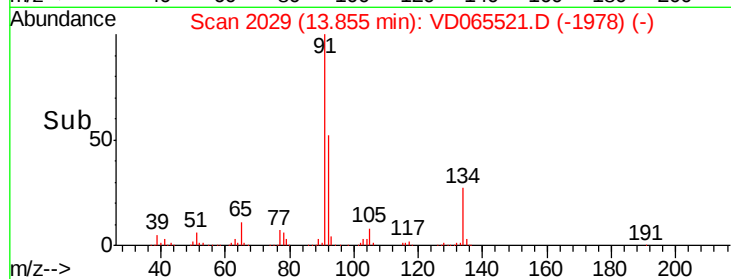
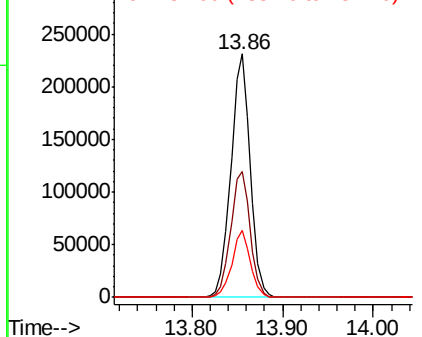


Abundance

Ion 91.00 (90.70 to 91.70): V

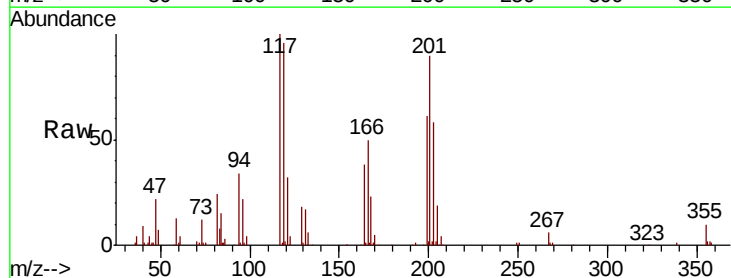
Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V



#90
Hexachloroethane
Concen: 21.679 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065521.D
Acq: 24 Mar 2020 16:00

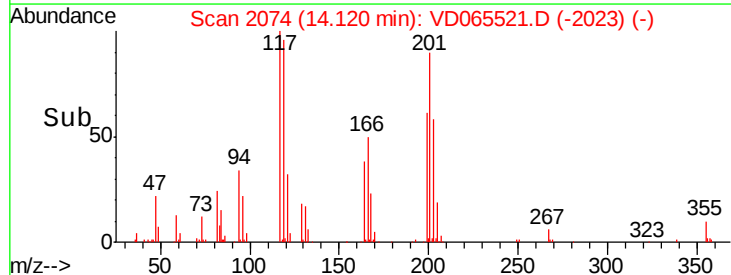
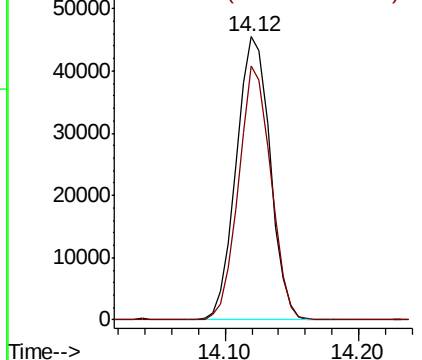
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		79710		
201	85.7	41.9	125.6		

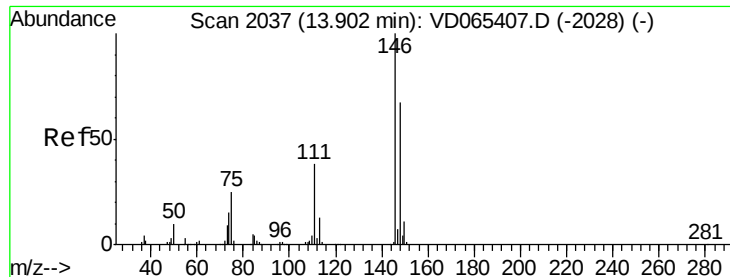


Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





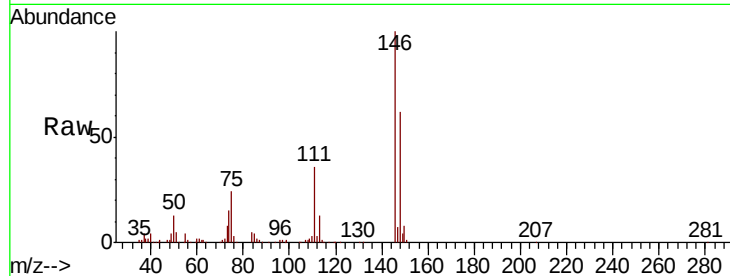
#91
 1,2-Dichlorobenzene
 Concen: 23.154 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VD065521.D
 Acq: 24 Mar 2020 16:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0324SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.8	59.3
148	62.8	32.6	97.8

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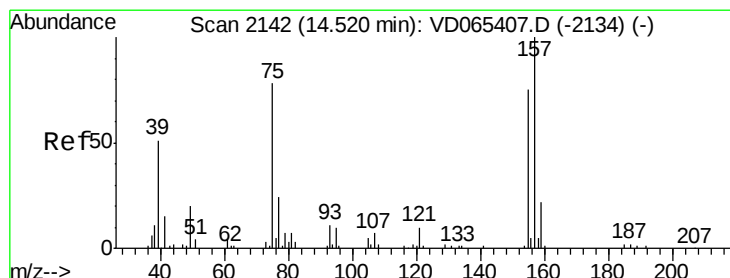
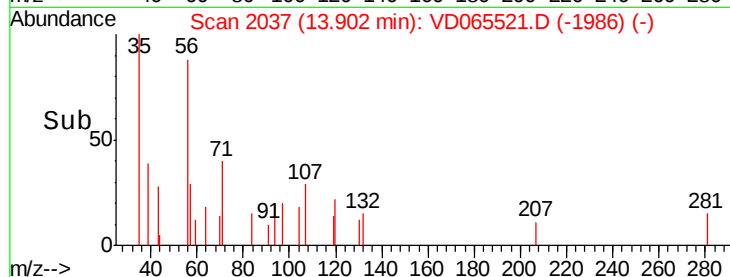
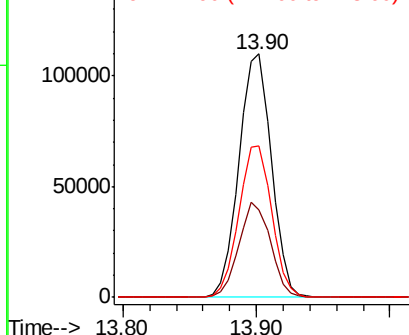


Abundance

Ion 145.90 (145.60 to 146.60): V

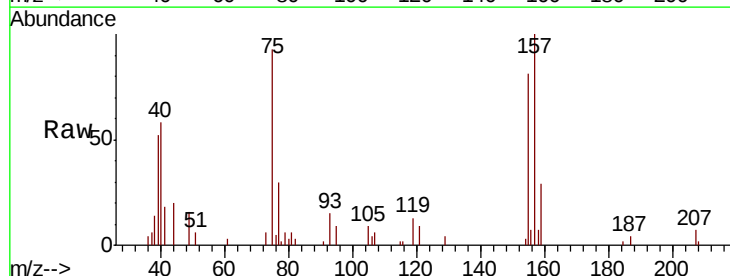
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.657 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VD065521.D
 Acq: 24 Mar 2020 16:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.8	46.4	139.1
157	116.8	60.2	180.4

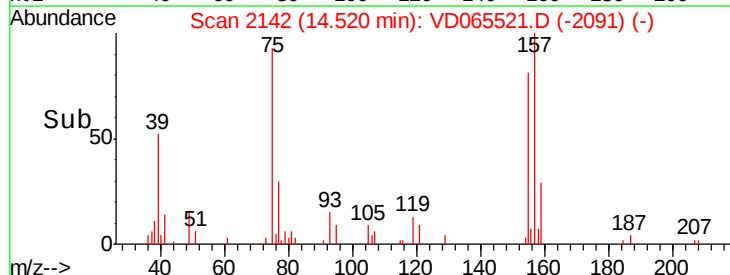
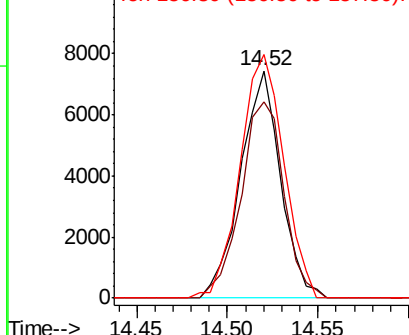


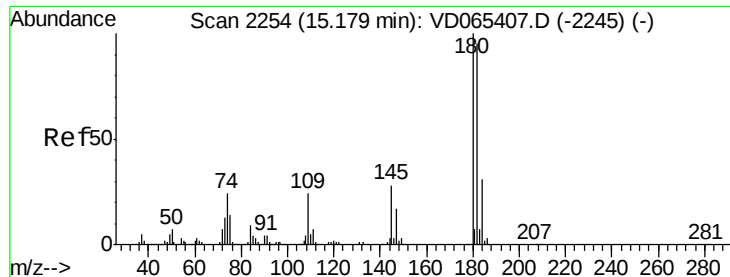
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





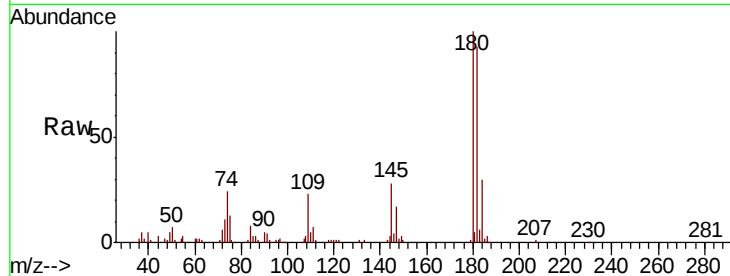
#93
 1,2,4-Trichlorobenzene
 Concen: 22.683 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065521.D
 Acq: 24 Mar 2020 16:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0324SBSD01

Tot Ion	Ratio	Resp Lower	Upper
180	100		
182	94.4	48.3	144.9
145	28.7	14.4	43.4

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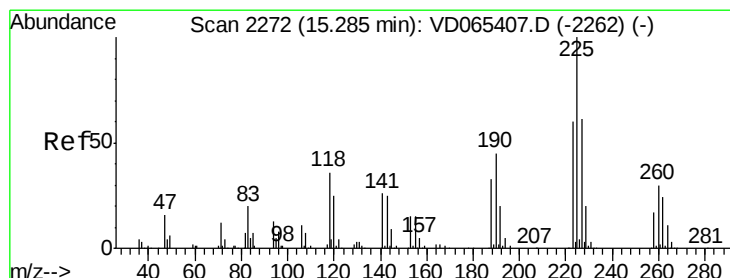
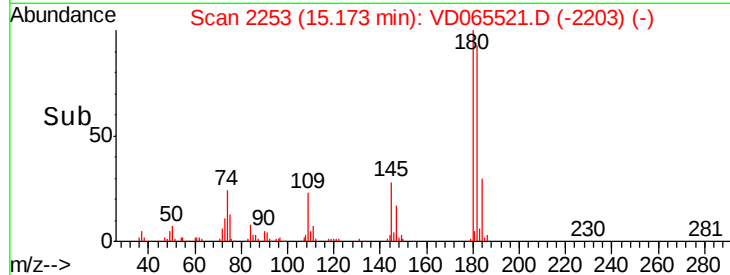
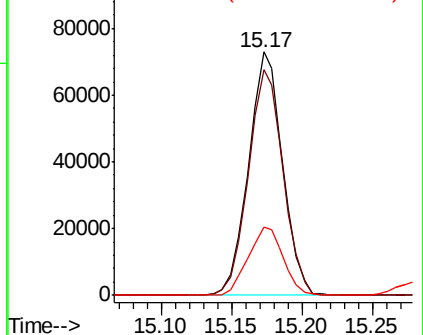


Abundance

Ion 179.80 (179.50 to 180.50): V

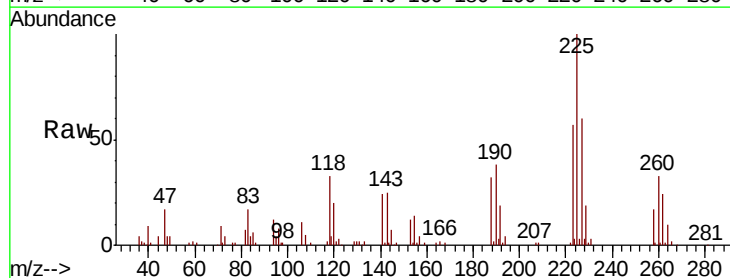
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 22.366 ug/l
 RT: 15.28 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VD065521.D
 Acq: 24 Mar 2020 16:00

Tgt Ion	Ratio	Resp Lower	Upper
225	100		
223	62.4	30.9	92.5
227	63.7	31.6	94.7

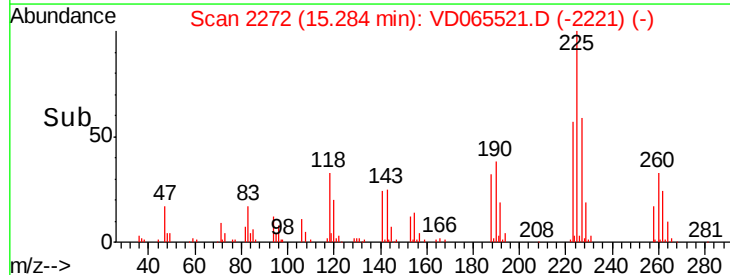
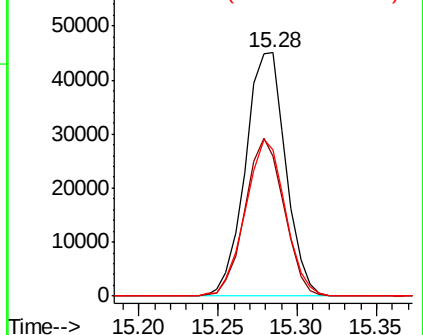


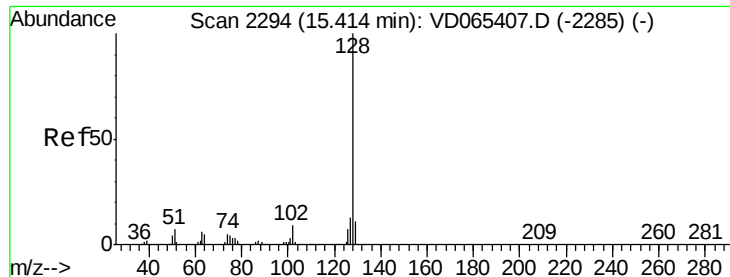
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





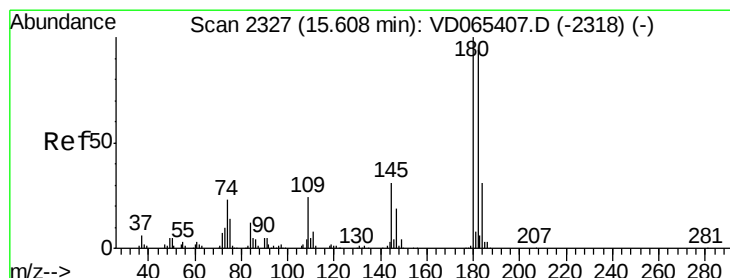
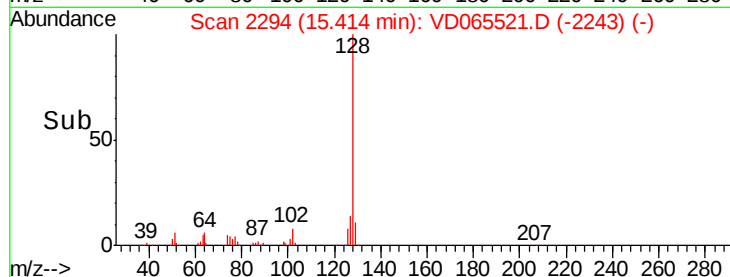
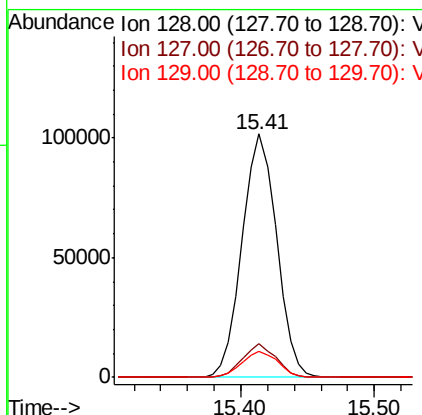
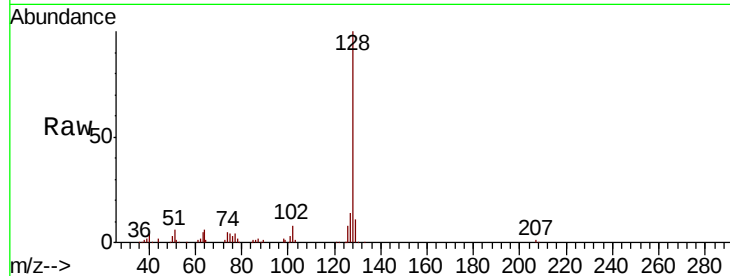
#95
Naphthalene
Concen: 21.600 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065521.D
Acq: 24 Mar 2020 16:00

Instrument :
MSVOA_D
ClientSampleId :
VD0324SBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	16.0
129	11.0	8.7	13.1

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 22.397 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065521.D
Acq: 24 Mar 2020 16:00

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.1	46.9	140.6
145	30.4	15.0	45.1

