

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121619\
 Data File : VD064534.D
 Acq On : 16 Dec 2019 20:21
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

apatel
 12/17/2019 4:49:19 PM

Quant Time: Dec 17 04:16:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 07:18:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	402407	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	602019	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	551114	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	288046	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	186437	51.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.38%	
35) Dibromofluoromethane	7.92	113	190139	50.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.26%	
50) Toluene-d8	10.34	98	721984	50.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.06%	
62) 4-Bromofluorobenzene	12.64	95	236326	51.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	167414	45.915	ug/l	99
3) Chloromethane	2.21	50	226499	49.251	ug/l	98
4) Vinyl Chloride	2.35	62	269973	50.843	ug/l	99
5) Bromomethane	2.77	94	195198	49.710	ug/l	96
6) Chloroethane	2.93	64	182577	51.443	ug/l	95
7) Trichlorofluoromethane	3.27	101	457986	51.883	ug/l	98
8) Diethyl Ether	3.71	74	96127	52.405	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	193438	51.108	ug/l	98
10) Methyl Iodide	4.30	142	223268	55.860	ug/l	99
11) Tert butyl alcohol	5.26	59	55719	240.318	ug/l #	100
12) 1,1-Dichloroethene	4.07	96	184160	50.773	ug/l	96
13) Acrolein	3.93	56	83937	265.416	ug/l	97
14) Allyl chloride	4.71	41	294180	51.970	ug/l	99
15) Acrylonitrile	5.43	53	209042	260.610	ug/l	97
16) Acetone	4.17	43	163348	221.925	ug/l	97
17) Carbon Disulfide	4.40	76	543462	47.309	ug/l	97
18) Methyl Acetate	4.73	43	107078	49.873	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	445184	53.507	ug/l	98
20) Methylene Chloride	4.96	84	211640	57.233	ug/l	92
21) trans-1,2-Dichloroethene	5.47	96	215074	52.421	ug/l	96
22) Diisopropyl ether	6.37	45	606828	54.304	ug/l	96
23) Vinyl Acetate	6.31	43	1773636	269.229	ug/l	99
24) 1,1-Dichloroethane	6.27	63	365770	54.428	ug/l	98
25) 2-Butanone	7.23	43	257647	247.517	ug/l	94
26) 2,2-Dichloropropane	7.21	77	310102	53.060	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	238166	53.245	ug/l	99
28) Bromochloromethane	7.55	49	125852	54.798	ug/l	99
29) Tetrahydrofuran	7.57	42	170679	257.721	ug/l	98
30) Chloroform	7.71	83	383540	55.107	ug/l	99
31) Cyclohexane	7.99	56	315147	54.088	ug/l	93
32) 1,1,1-Trichloroethane	7.91	97	346913	53.763	ug/l	98
36) 1,1-Dichloropropene	8.11	75	286139	50.250	ug/l	99
37) Ethyl Acetate	7.30	43	120402	49.831	ug/l	99
38) Carbon Tetrachloride	8.10	117	308331	51.304	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	352694	49.932	ug/l	96
40) Benzene	8.36	78	811391	51.304	ug/l	100
41) Methacrylonitrile	7.53	41	63750	46.007	ug/l #	87
42) 1,2-Dichloroethane	8.43	62	241017	52.257	ug/l	99
43) Isopropyl Acetate	8.46	43	245530	51.683	ug/l	99
44) Trichloroethene	9.11	130	239677	50.310	ug/l	100
45) 1,2-Dichloropropane	9.39	63	202286	53.481	ug/l	99
46) Dibromomethane	9.48	93	111755	52.350	ug/l	99
47) Bromodichloromethane	9.67	83	299750	54.647	ug/l	97
48) Methyl methacrylate	9.46	41	113000	51.981	ug/l	98
49) 1,4-Dioxane	9.47	88	27246	1033.563	ug/l	100
51) 4-Methyl-2-Pentanone	10.23	43	600671	255.539	ug/l	99
52) Toluene	10.40	92	543146	52.697	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	280049	53.571	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	337704	54.379	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	149916	51.287	ug/l	95
56) Ethyl methacrylate	10.66	69	201520	54.052	ug/l	99
57) 1,3-Dichloropropane	10.95	76	263246	52.904	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	390281	262.600	ug/l	99
59) 2-Hexanone	10.99	43	418081	256.325	ug/l	100
60) Dibromochloromethane	11.14	129	210257	53.051	ug/l	98
61) 1,2-Dibromoethane	11.25	107	150991	51.734	ug/l	99
64) Tetrachloroethene	10.88	164	207270	49.319	ug/l	98
65) Chlorobenzene	11.67	112	592564	51.552	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	228090	53.604	ug/l	99
67) Ethyl Benzene	11.74	91	1065679	52.108	ug/l	98
68) m/p-Xylenes	11.86	106	816353	104.689	ug/l	100
69) o-Xylene	12.18	106	384671	53.413	ug/l	99
70) Styrene	12.20	104	684954	54.731	ug/l	99
71) Bromoform	12.37	173	134493	52.830	ug/l #	97
73) Isopropylbenzene	12.48	105	1037241	50.068	ug/l	100
74) N-amyl acetate	12.29	43	271864	57.820	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	12.74	83	167573	48.914	ug/l	95
76) 1,2,3-Trichloropropane	12.78	75	120397m	50.826	ug/l	
77) Bromobenzene	12.77	156	262470	51.305	ug/l	98
78) n-propylbenzene	12.83	91	1197438	50.096	ug/l	100
79) 2-Chlorotoluene	12.91	91	661427	50.289	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	873593	51.602	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	52508	48.335	ug/l	98
82) 4-Chlorotoluene	13.01	91	700973	50.337	ug/l	99
83) tert-Butylbenzene	13.23	119	756363	51.390	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	891935	52.396	ug/l	96
85) sec-Butylbenzene	13.41	105	1021122	50.550	ug/l	100
86) p-Isopropyltoluene	13.52	119	985108	51.655	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	487818	50.239	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	481612	50.239	ug/l	98
89) n-Butylbenzene	13.85	91	882105	50.934	ug/l	99
90) Hexachloroethane	14.12	117	184372	51.689	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	423245	51.004	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	28517	56.257	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	313968	49.404	ug/l	99
94) Hexachlorobutadiene	15.28	225	197133	50.247	ug/l	99
95) Naphthalene	15.41	128	535429	50.484	ug/l	97
96) 1,2,3-Trichlorobenzene	15.61	180	273046	50.333	ug/l	99

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

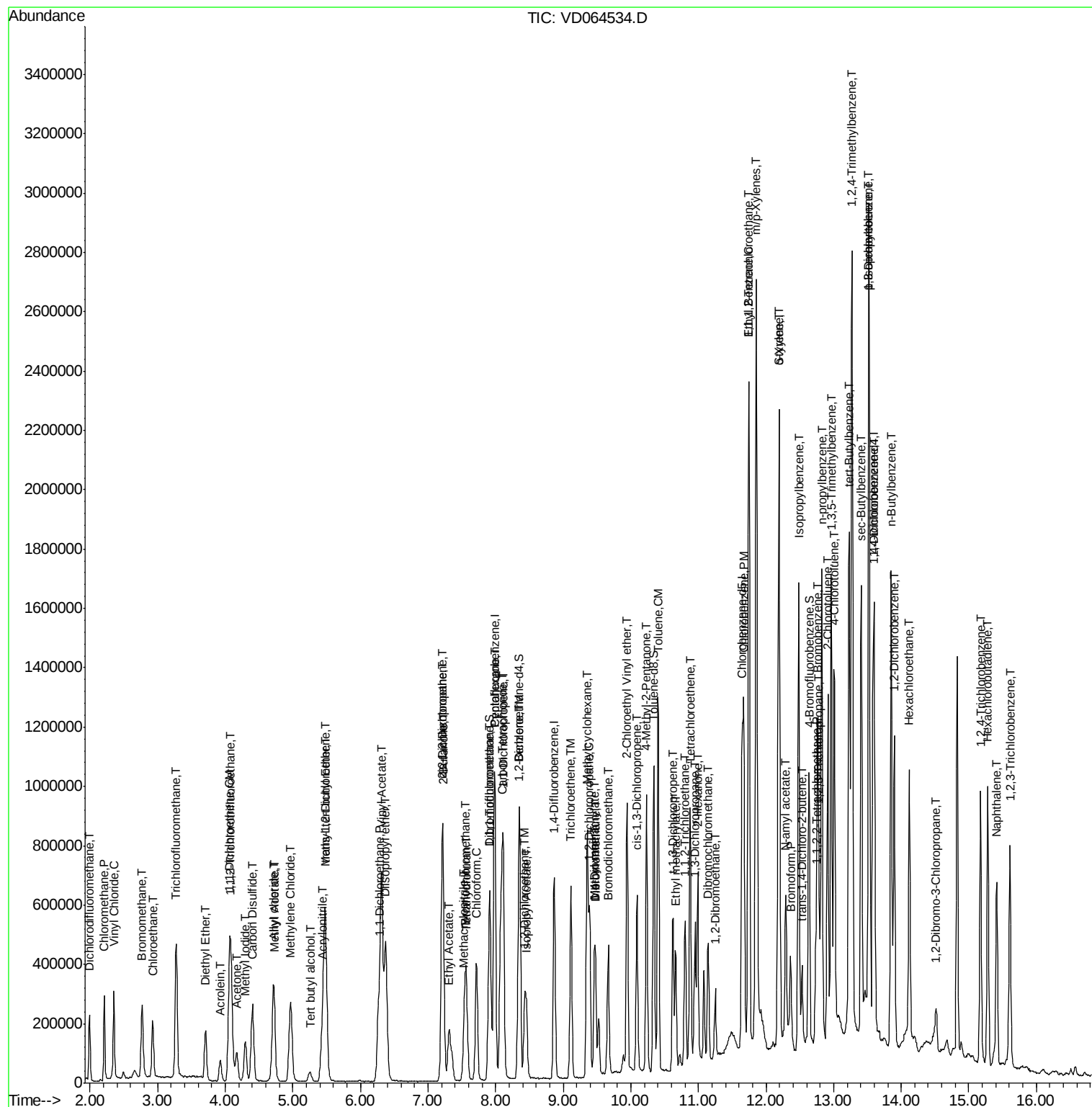
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD121619\
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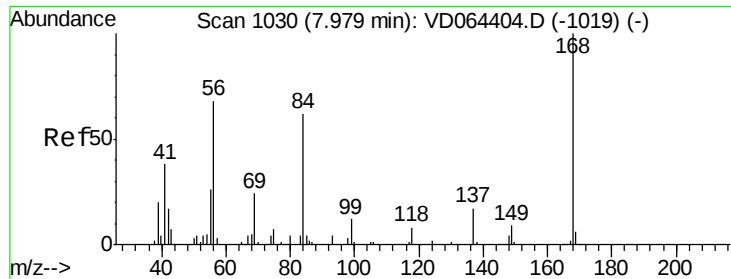
Instrument :
MSVOA_D
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VSTDCCC050EC

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD064534.D

Acq: 16 Dec 2019 20:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 402407

Ion Ratio Lower Upper

168 100

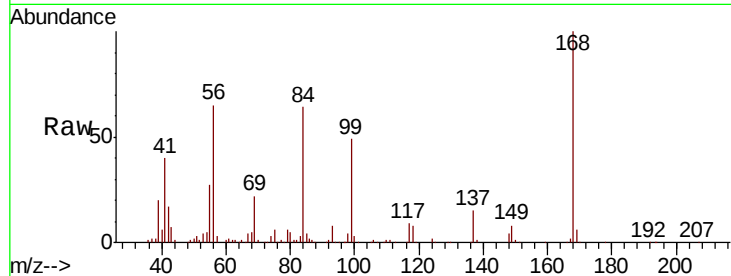
99 48.3 40.7 61.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

200000

150000

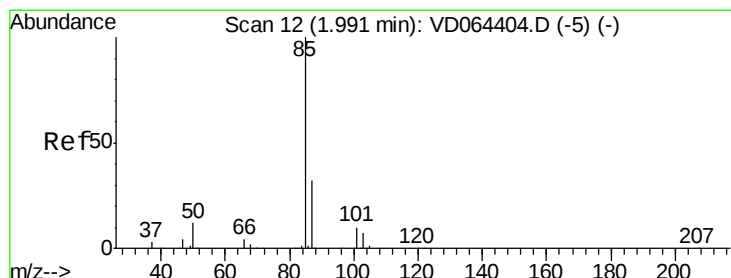
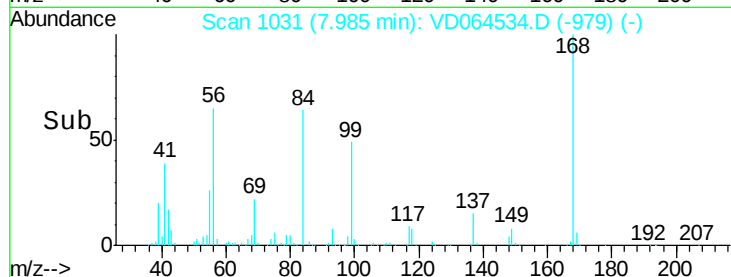
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50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 45.915 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064534.D

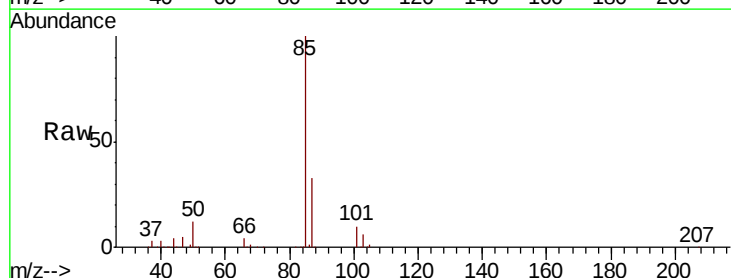
Acq: 16 Dec 2019 20:21

Tgt Ion: 85 Resp: 167414

Ion Ratio Lower Upper

85 100

87 32.5 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

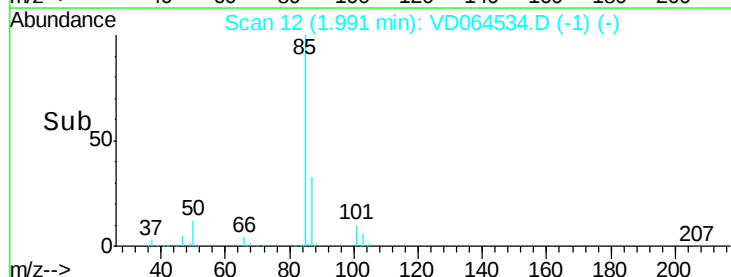
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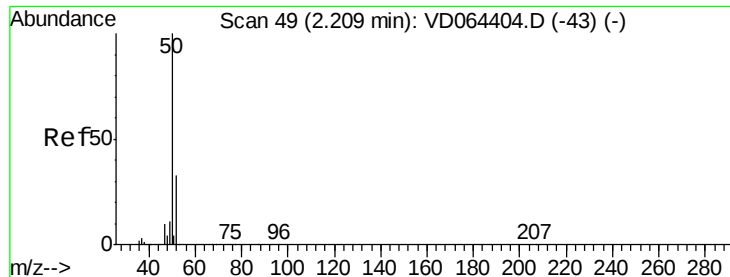
50000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 49.251 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064534.D

Acq: 16 Dec 2019 20:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 226499

Ion Ratio Lower Upper

50 100

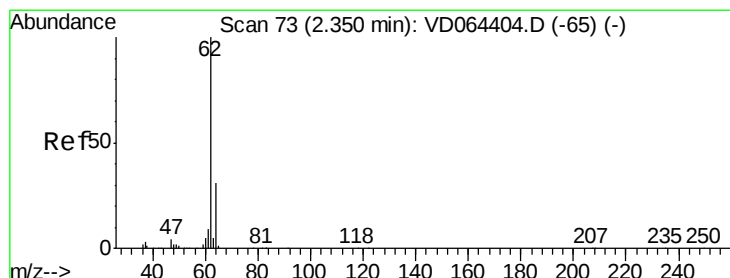
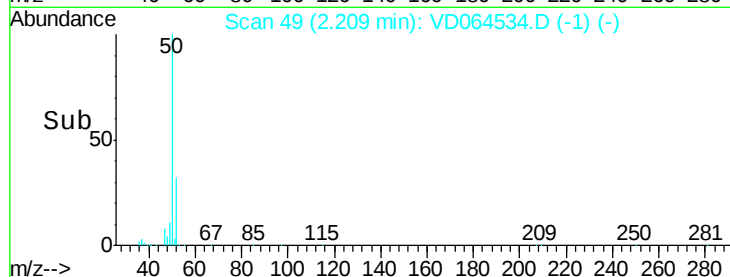
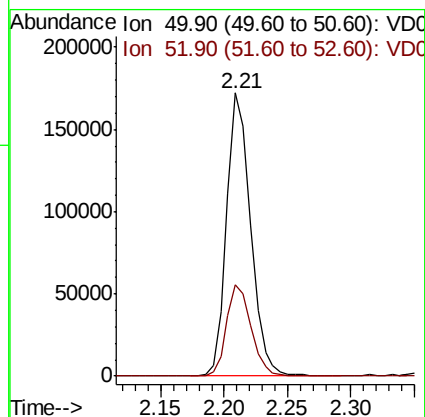
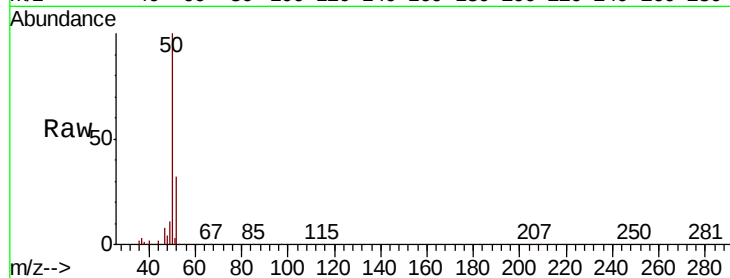
52 32.5 26.7 40.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 50.843 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064534.D

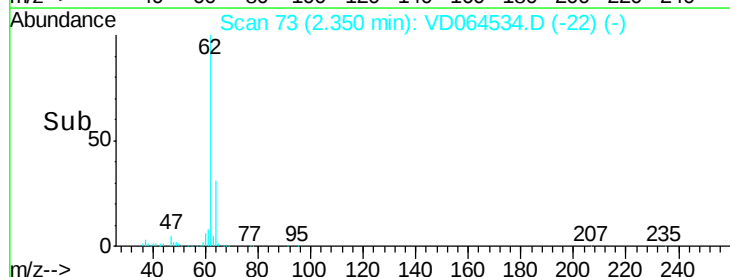
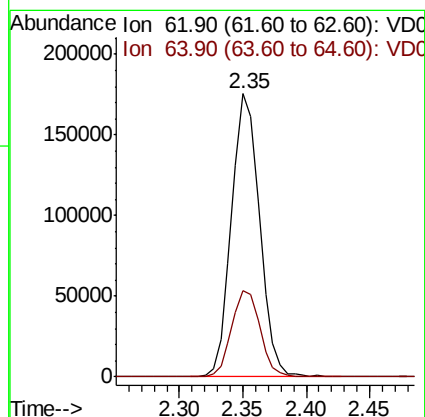
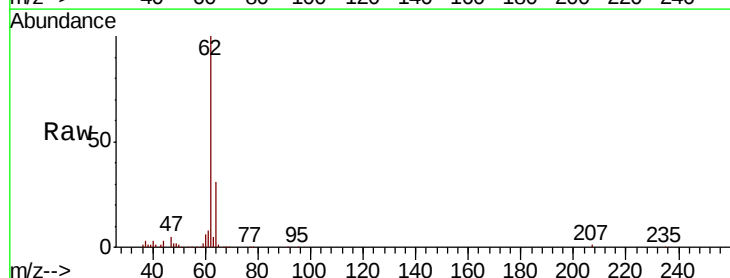
Acq: 16 Dec 2019 20:21

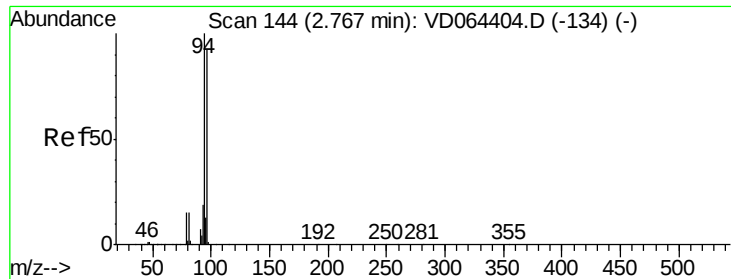
Tgt Ion: 62 Resp: 269973

Ion Ratio Lower Upper

62 100

64 30.6 25.0 37.4





#5

Bromomethane

Concen: 49.710 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD064534.D

Acq: 16 Dec 2019 20:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 195198

Ion Ratio Lower Upper

94 100

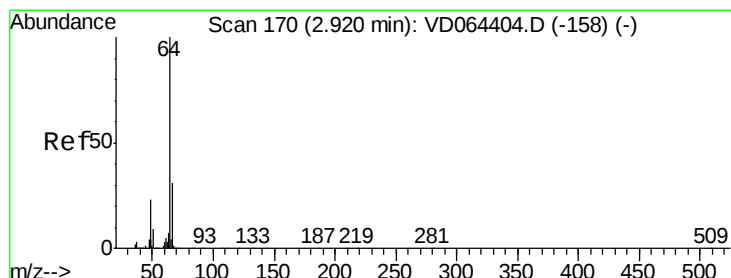
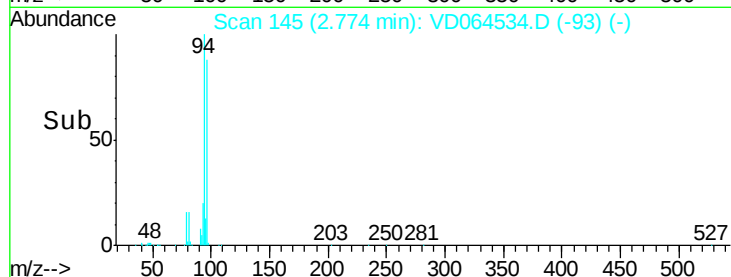
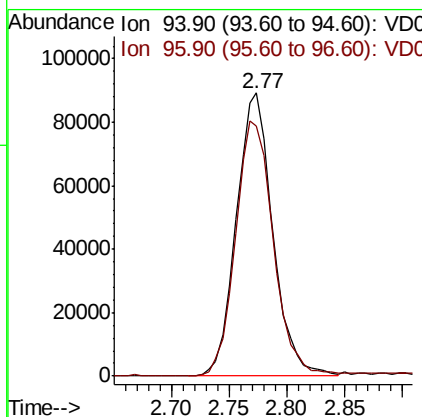
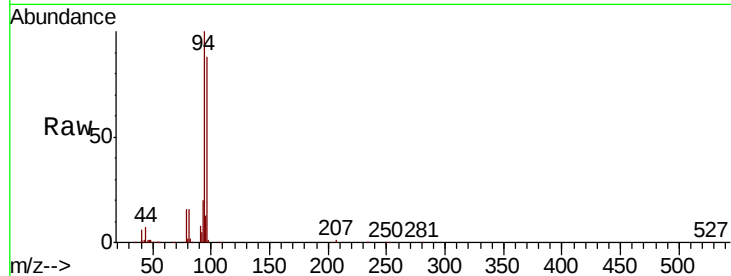
96 88.1 73.6 110.4

Manual Integrations

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#6

Chloroethane

Concen: 51.443 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD064534.D

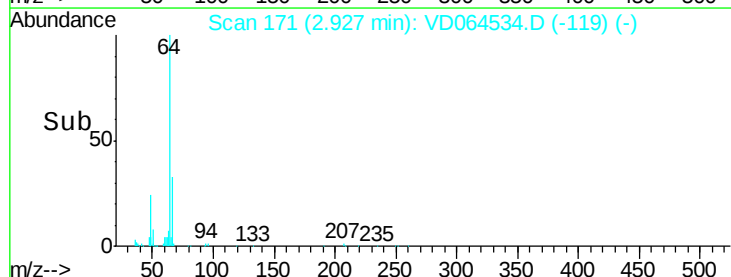
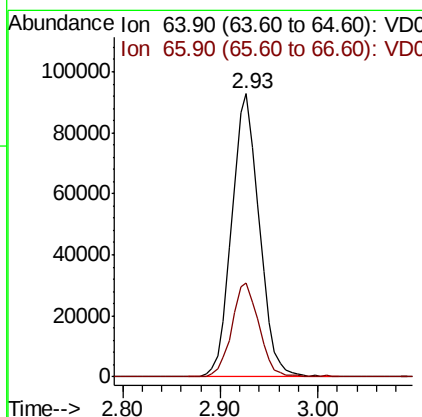
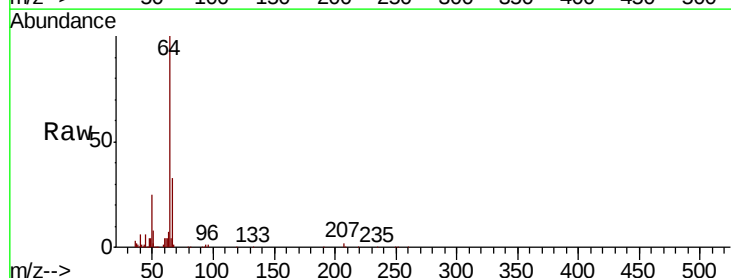
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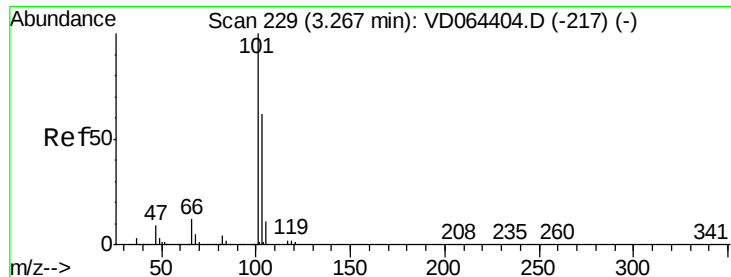
Tgt Ion: 64 Resp: 182577

Ion Ratio Lower Upper

64 100

66 33.3 24.6 37.0





#7

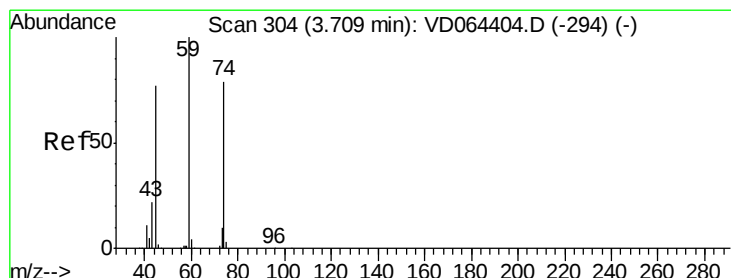
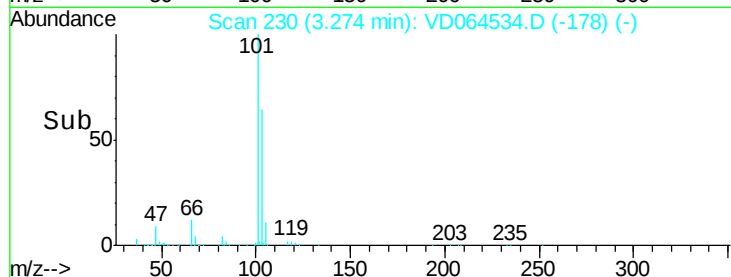
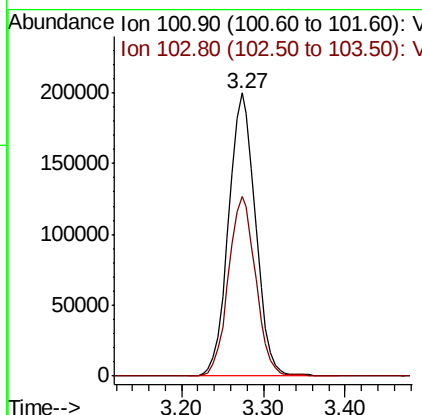
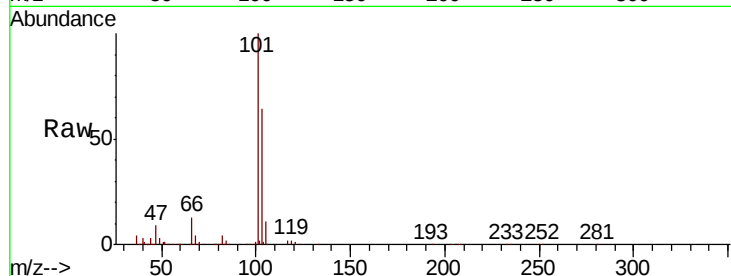
Trichlorofluoromethane
 Concen: 51.883 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.01 min
 Lab File: VD064534.D
 Acq: 16 Dec 2019 20:21

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.7	49.8	74.6

Manual Integrations
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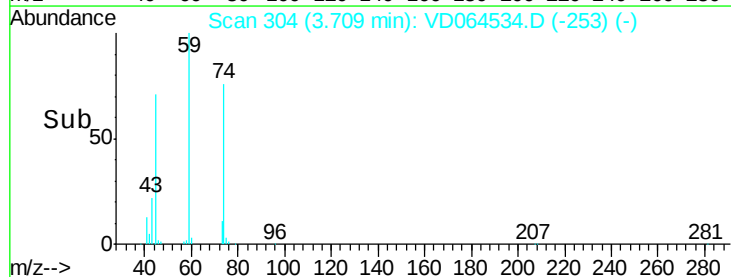
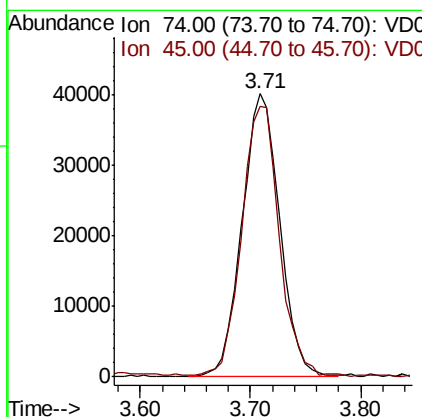
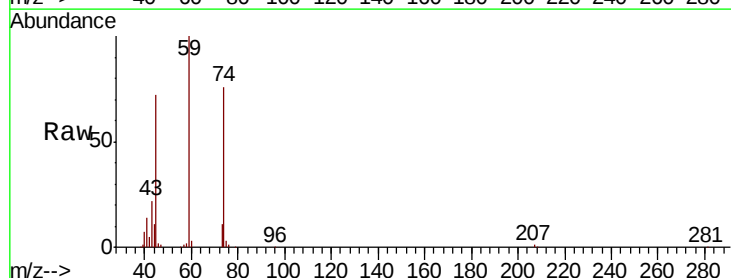
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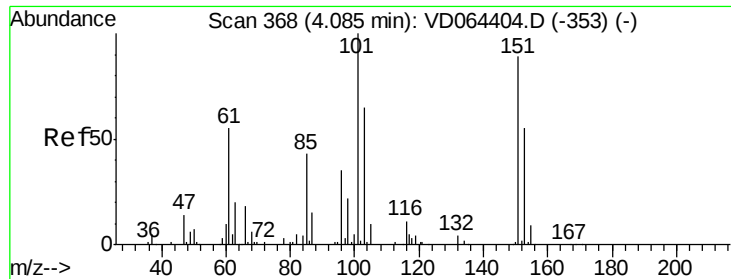


#8

Diethyl Ether
 Concen: 52.405 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD064534.D
 Acq: 16 Dec 2019 20:21

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.8	48.6	145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.108 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064534.D

Acq: 16 Dec 2019 20:21

Instrument :

MSVOA_D

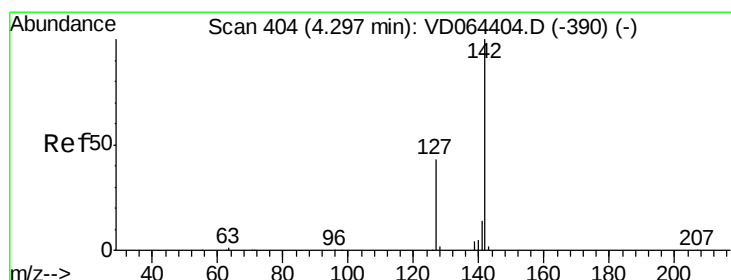
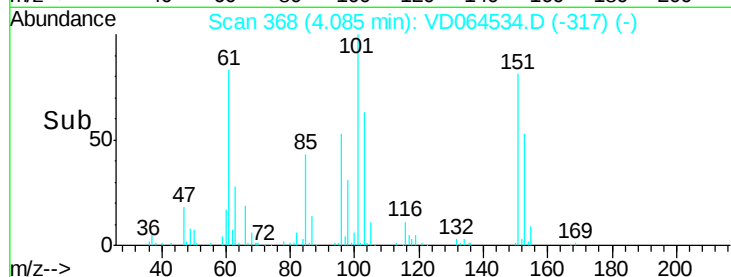
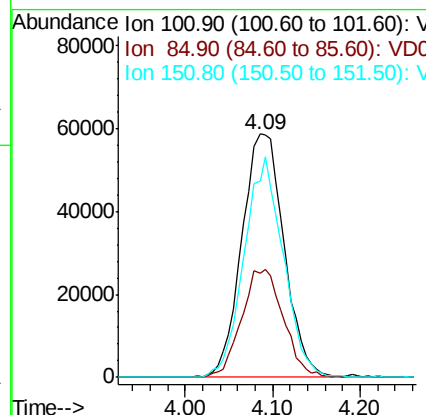
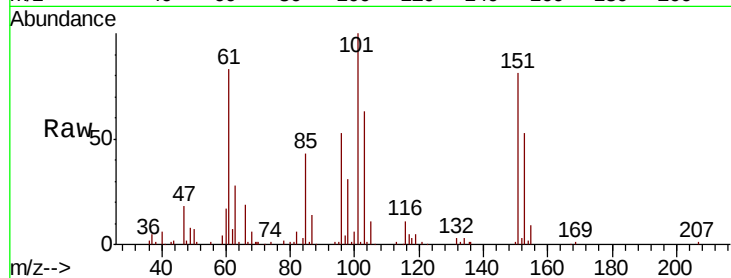
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	193438
Ion Ratio	Lower	Upper	
101	100		
85	43.8	34.8	52.2
151	83.9	68.8	103.2

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#10

Methyl Iodide

Concen: 55.860 ug/l

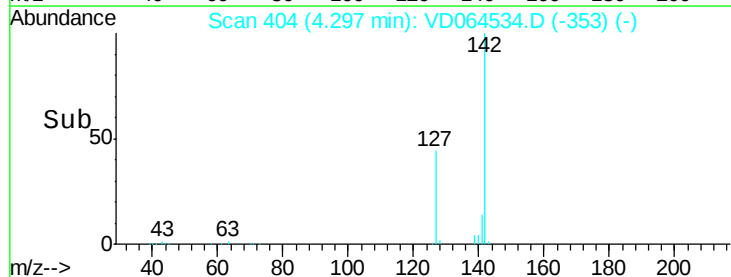
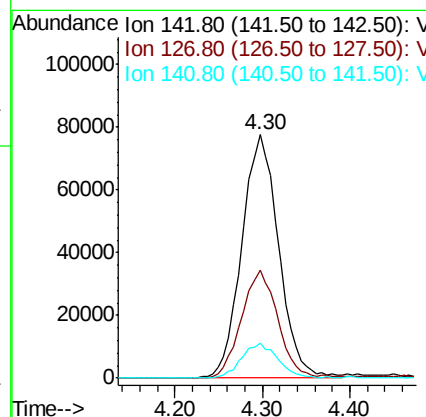
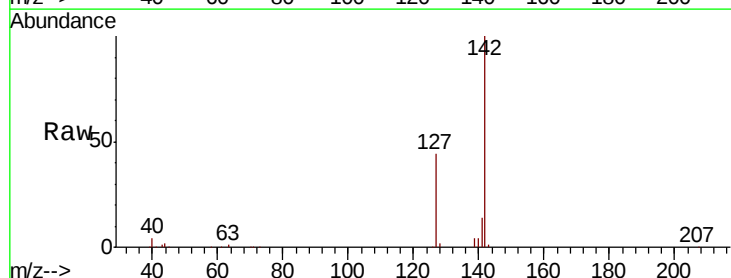
RT: 4.30 min Scan# 404

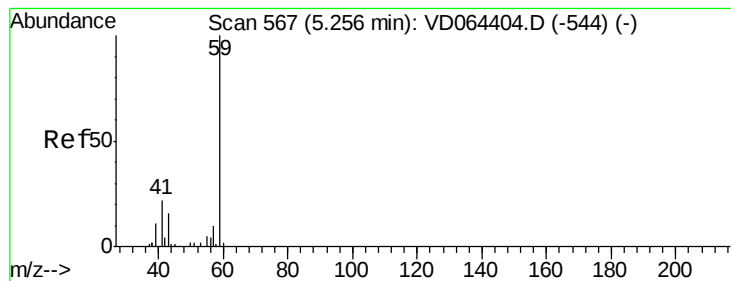
Delta R.T. 0.00 min

Lab File: VD064534.D

Acq: 16 Dec 2019 20:21

Tgt Ion:	142	Resp:	223268
Ion Ratio	Lower	Upper	
142	100		
127	43.3	35.3	52.9
141	14.2	11.6	17.4





#11

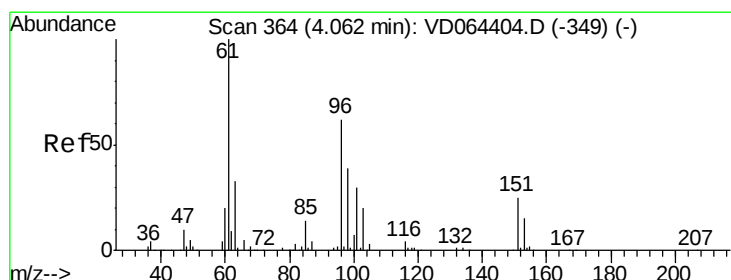
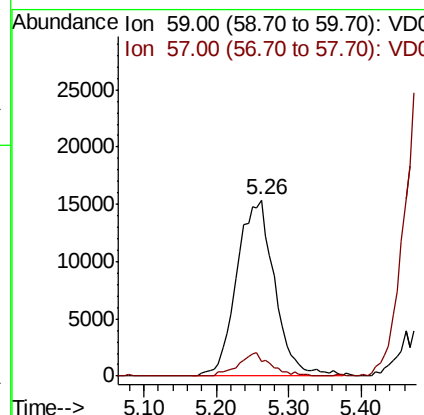
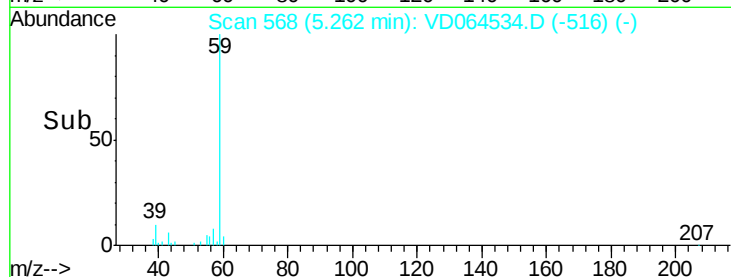
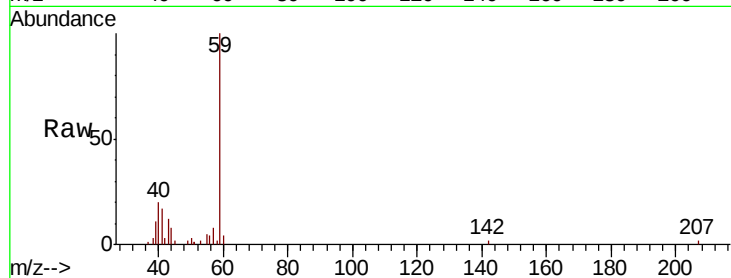
Tert butyl alcohol
Concen: 240.318 ug/l
RT: 5.26 min Scan# 568
Delta R.T. 0.01 min
Lab File: VD064534.D
Acq: 16 Dec 2019 20:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 55719
Ion Ratio Lower Upper
59 100
57 11.4 0.0 0.0#

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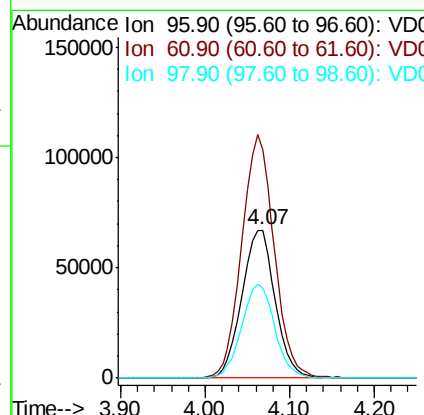
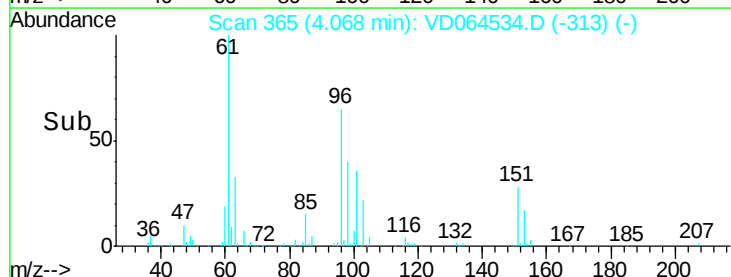
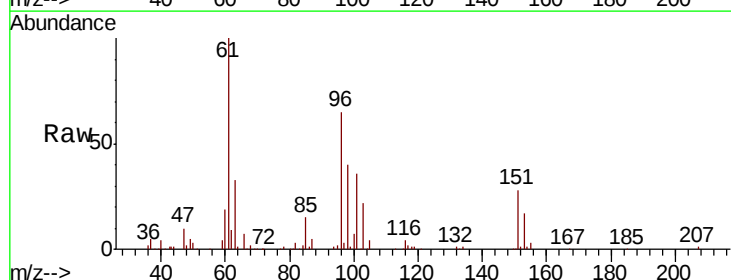
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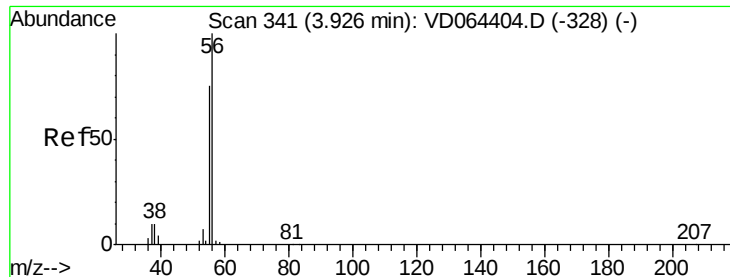


#12

1,1-Dichloroethene
Concen: 50.773 ug/l
RT: 4.07 min Scan# 365
Delta R.T. 0.01 min
Lab File: VD064534.D
Acq: 16 Dec 2019 20:21

Tgt Ion: 96 Resp: 184160
Ion Ratio Lower Upper
96 100
61 154.3 128.2 192.4
98 61.0 50.4 75.6





#13

Acrolein

Concen: 265.416 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD064534.D

Acq: 16 Dec 2019 20:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 83937

Ion Ratio Lower Upper

56 100

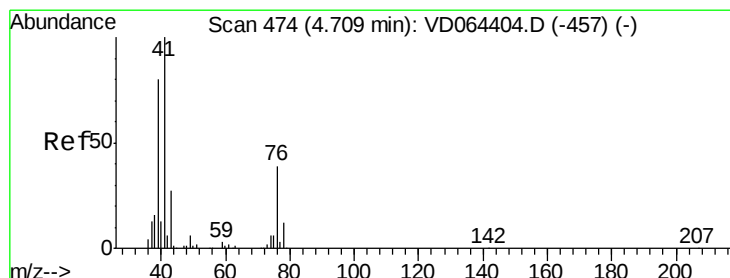
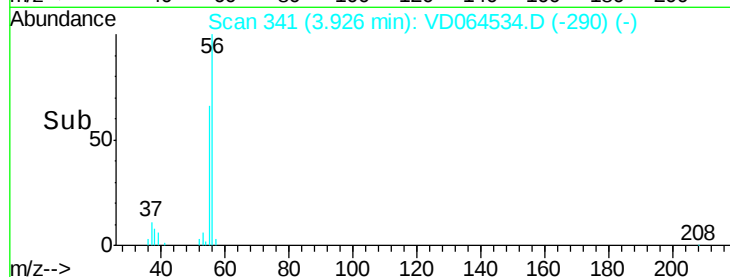
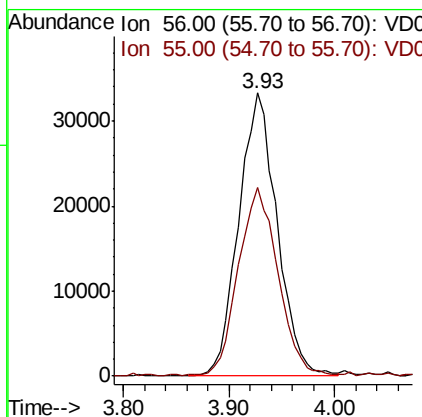
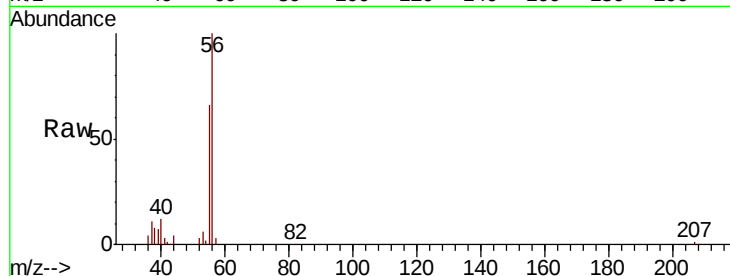
55 69.0 56.9 85.3

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#14

Allyl chloride

Concen: 51.970 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD064534.D

Acq: 16 Dec 2019 20:21

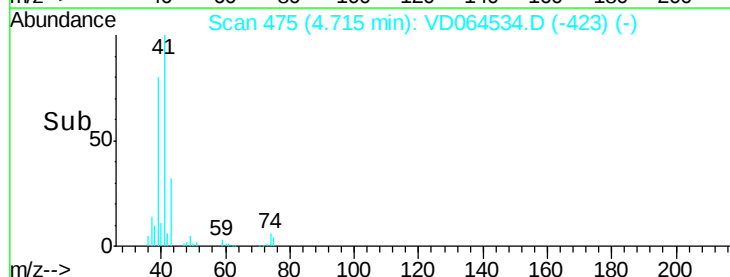
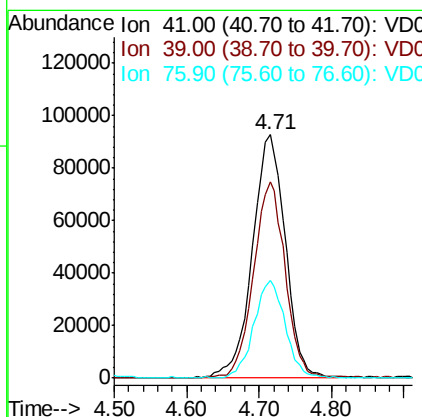
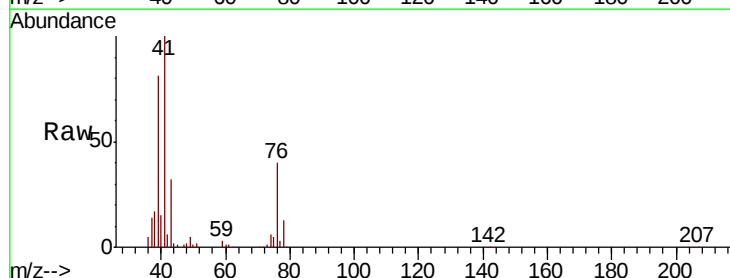
Tgt Ion: 41 Resp: 294180

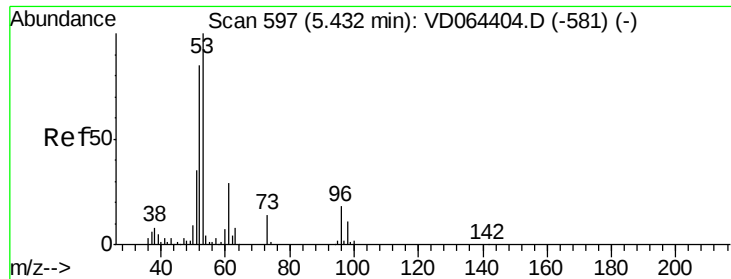
Ion Ratio Lower Upper

41 100

39 78.0 62.1 93.1

76 38.1 29.8 44.8





#15

Acrylonitrile

Concen: 260.610 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064534.D

Acq: 16 Dec 2019 20:21

Instrument :

MSVOA_D

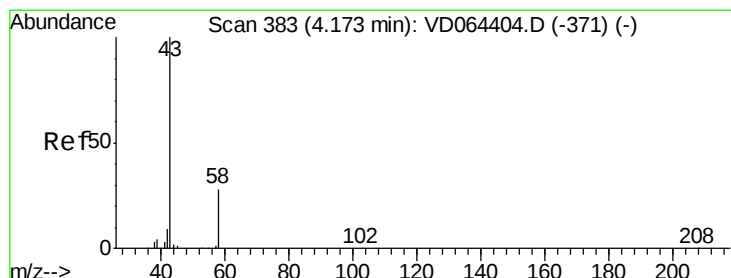
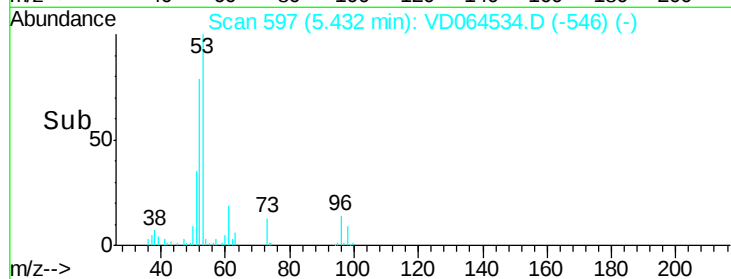
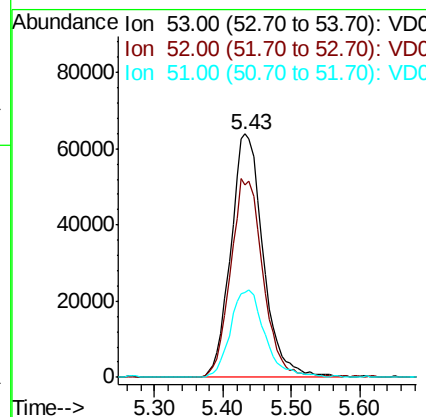
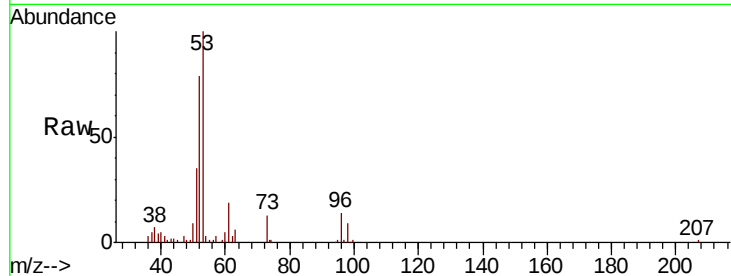
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	209042
Ion Ratio	Lower	Upper	
53	100		
52	81.5	67.9	101.9
51	38.3	30.6	45.8

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#16

Acetone

Concen: 221.925 ug/l

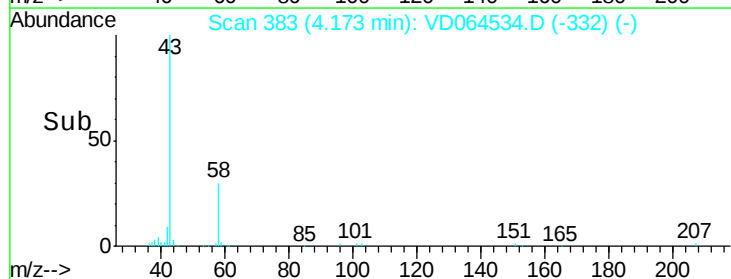
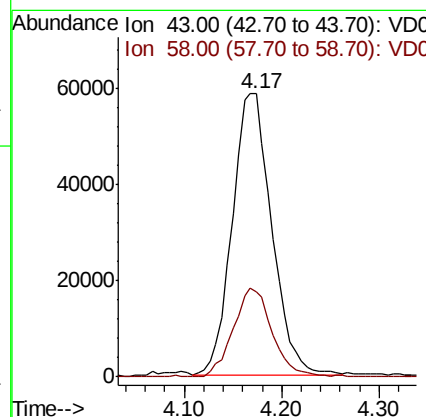
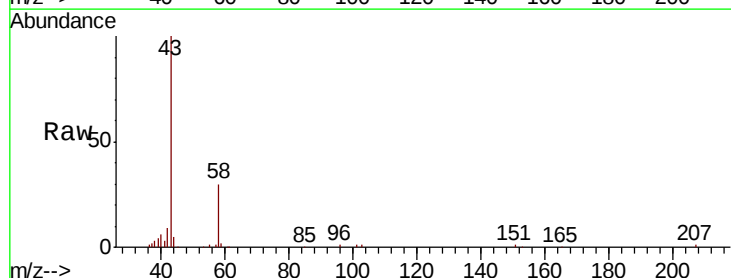
RT: 4.17 min Scan# 383

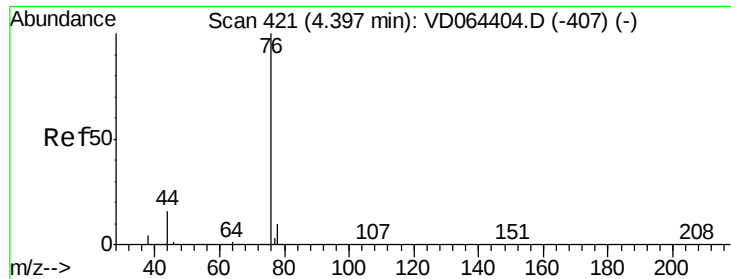
Delta R.T. 0.00 min

Lab File: VD064534.D

Acq: 16 Dec 2019 20:21

Tgt Ion:	43	Resp:	163348
Ion Ratio	Lower	Upper	
43	100		
58	29.9	22.6	33.8





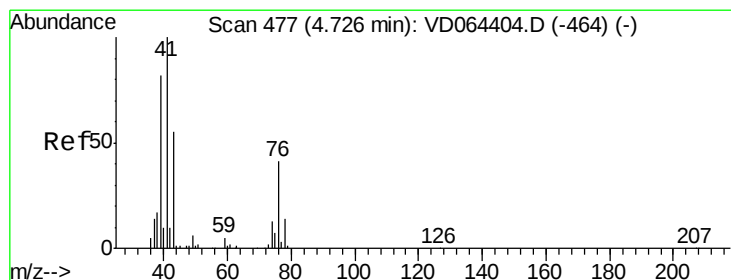
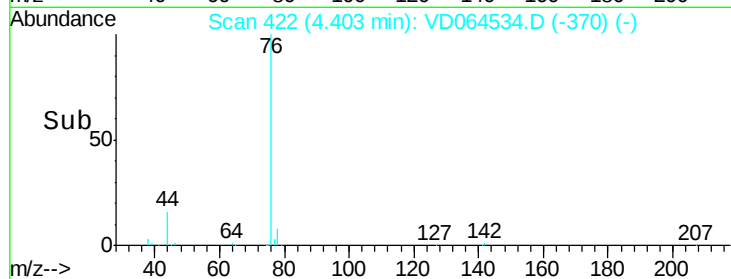
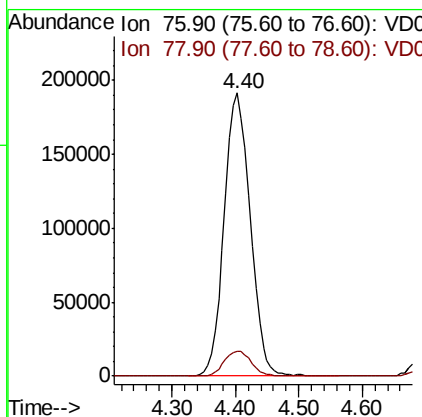
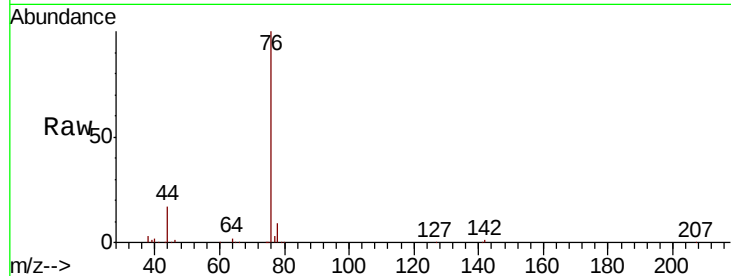
#17
Carbon Disulfide
Concen: 47.309 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD064534.D
Acq: 16 Dec 2019 20:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.8	11.8

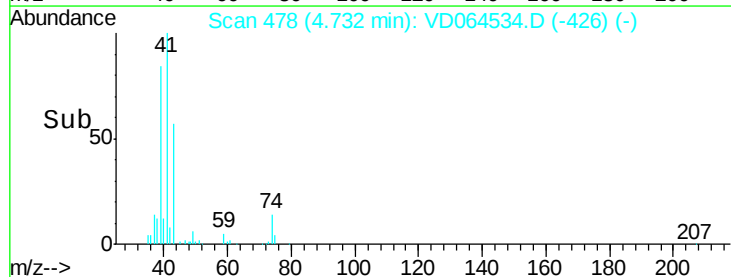
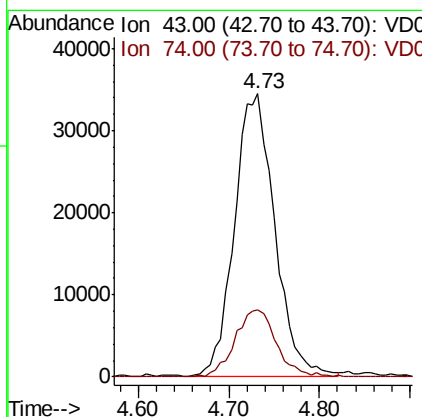
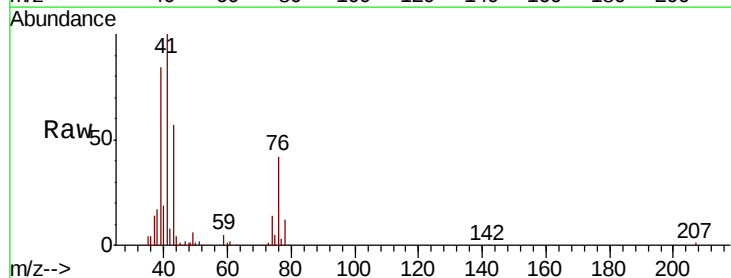
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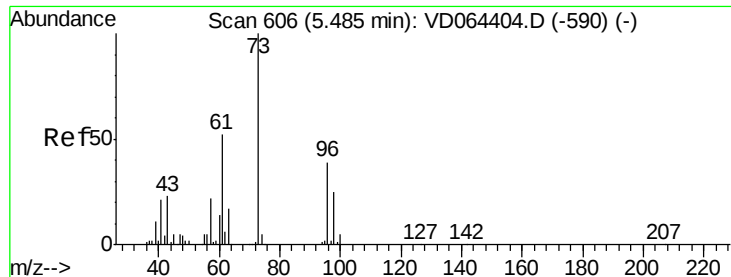
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#18
Methyl Acetate
Concen: 49.873 ug/l
RT: 4.73 min Scan# 478
Delta R.T. 0.01 min
Lab File: VD064534.D
Acq: 16 Dec 2019 20:21

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.2	19.7	29.5





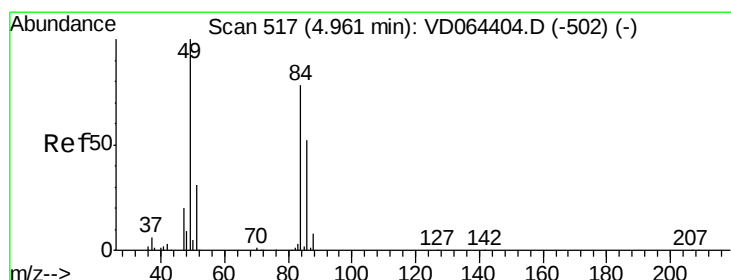
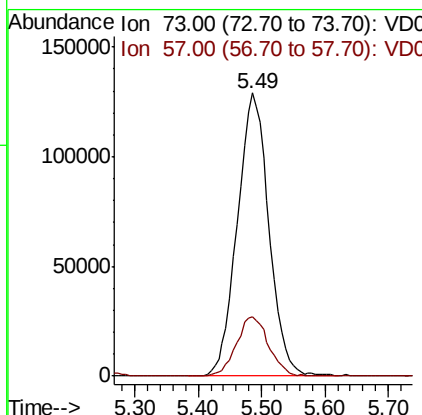
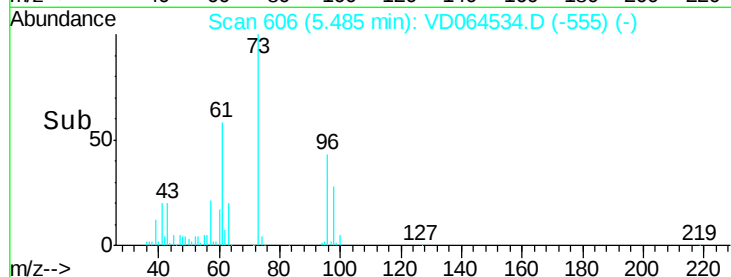
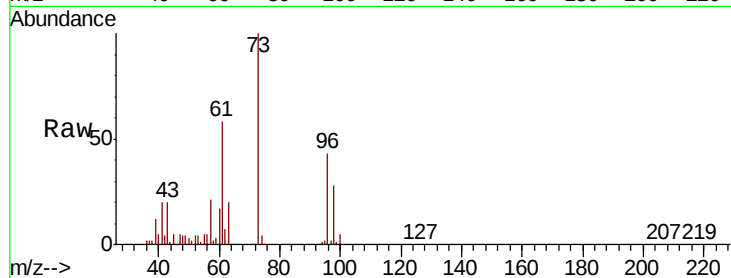
#19
Methyl tert-butyl Ether
Concen: 53.507 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD064534.D
Acq: 16 Dec 2019 20:21

Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050EC

Tot Ion: 73 Resp: 445184
Ion Ratio Lower Upper
73 100
57 20.9 17.6 26.4

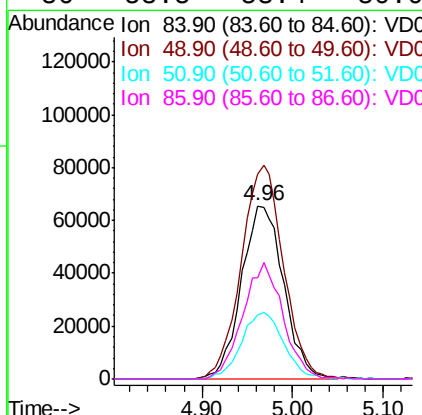
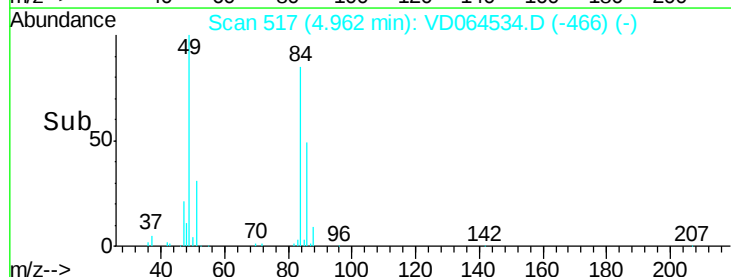
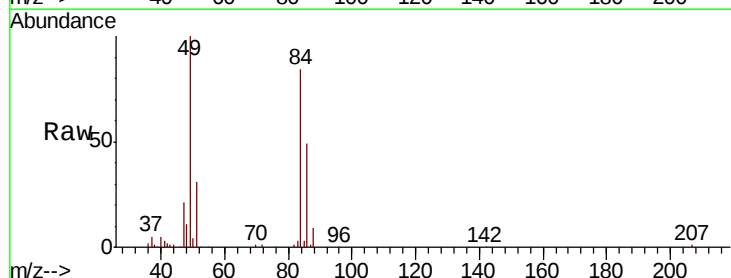
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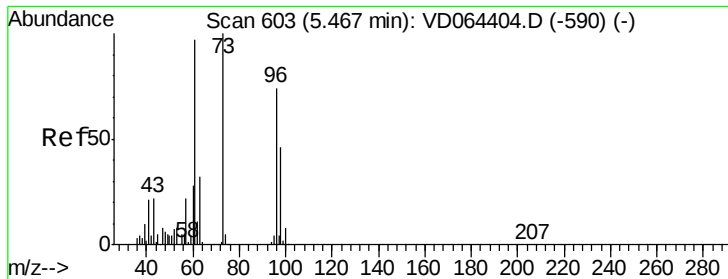
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#20
Methylene Chloride
Concen: 57.233 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064534.D
Acq: 16 Dec 2019 20:21

Tgt Ion: 84 Resp: 211640
Ion Ratio Lower Upper
84 100
49 118.8 102.6 153.8
51 37.1 32.0 48.0
86 58.5 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 52.421 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD064534.D

Acq: 16 Dec 2019 20:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 215074

Ion Ratio Lower Upper

96 100

61 127.6 105.8 158.6

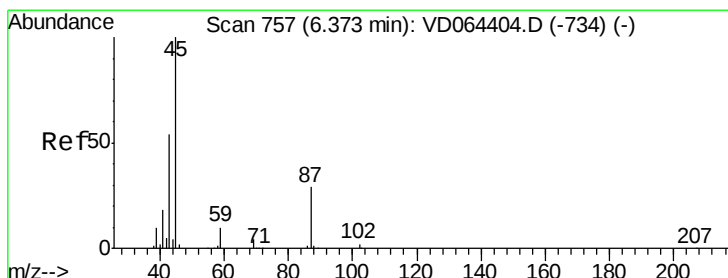
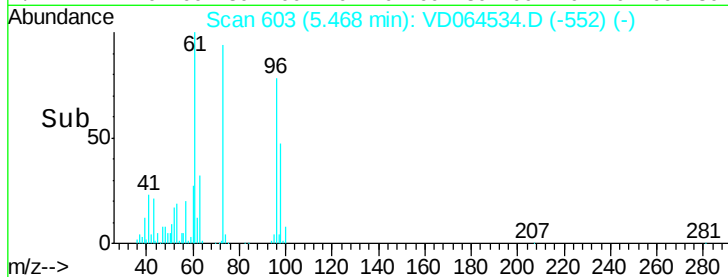
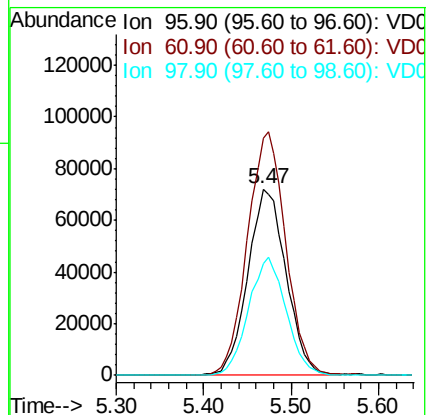
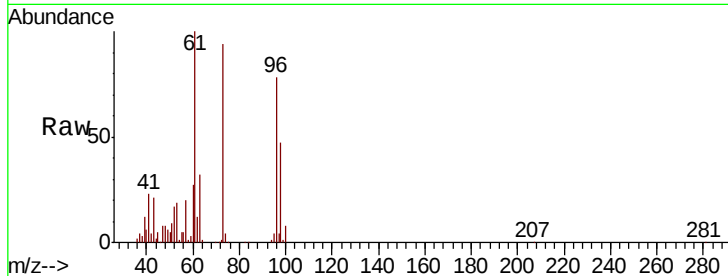
98 60.3 50.1 75.1

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#22

Diisopropyl ether

Concen: 54.304 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064534.D

Acq: 16 Dec 2019 20:21

Tgt Ion: 45 Resp: 606828

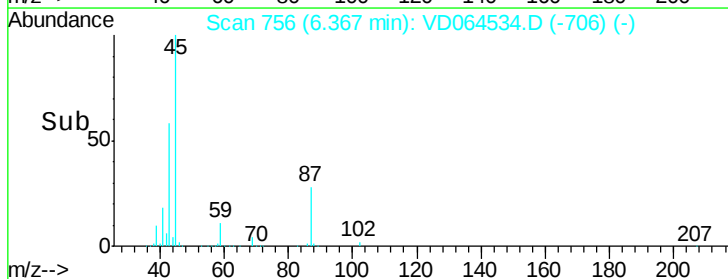
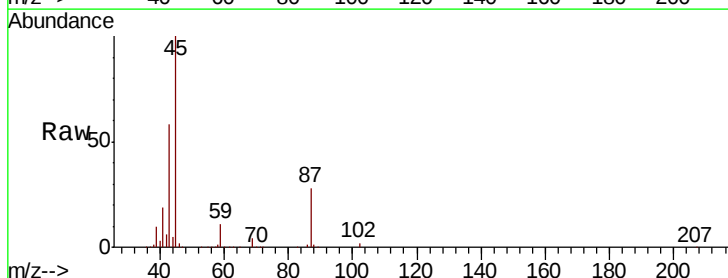
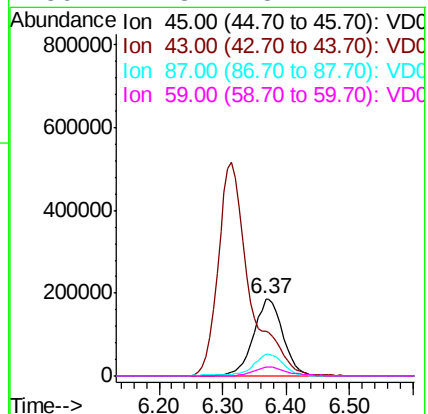
Ion Ratio Lower Upper

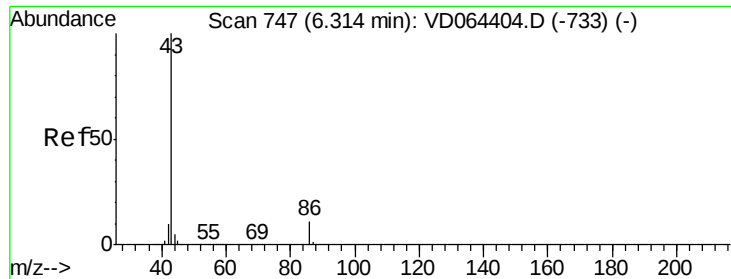
45 100

43 57.5 43.1 64.7

87 27.9 23.5 35.3

59 11.3 8.2 12.2





#23

Vinyl Acetate

Concen: 269.229 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD064534.D

Acq: 16 Dec 2019 20:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1773636

Ion Ratio Lower Upper

43 100

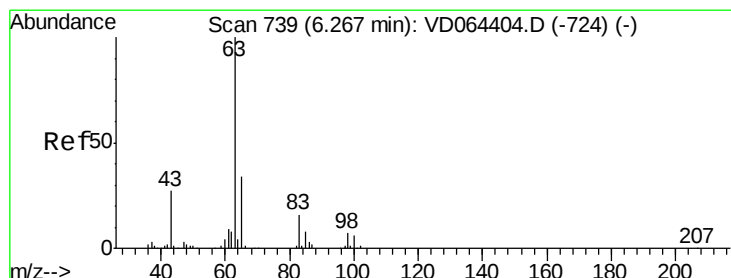
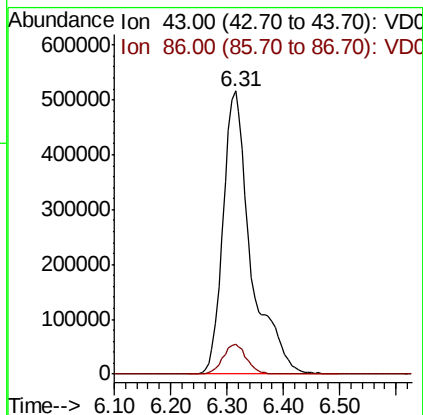
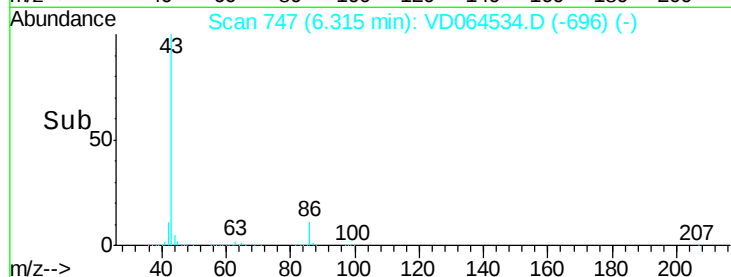
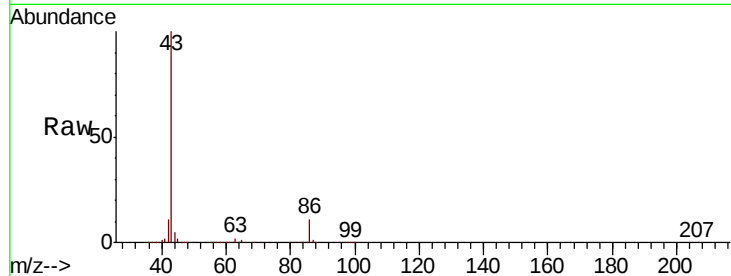
86 10.7 8.9 13.3

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#24

1,1-Dichloroethane

Concen: 54.428 ug/l

RT: 6.27 min Scan# 740

Delta R.T. 0.01 min

Lab File: VD064534.D

Acq: 16 Dec 2019 20:21

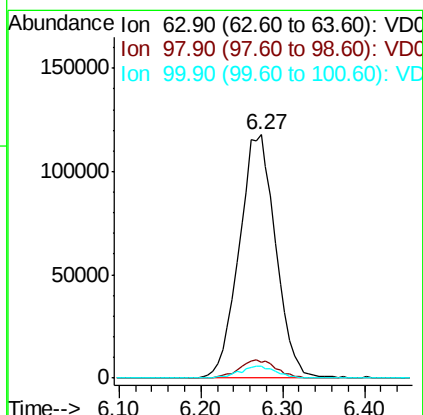
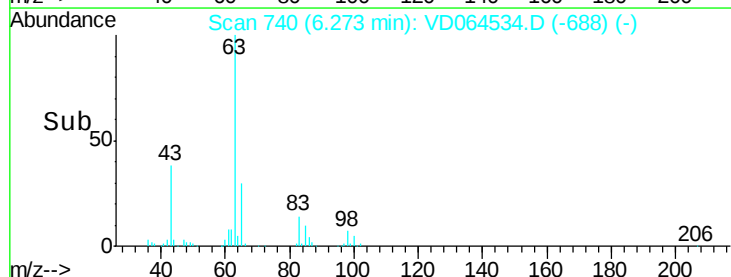
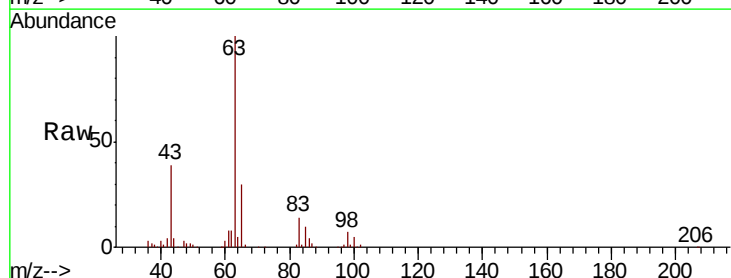
Tgt Ion: 63 Resp: 365770

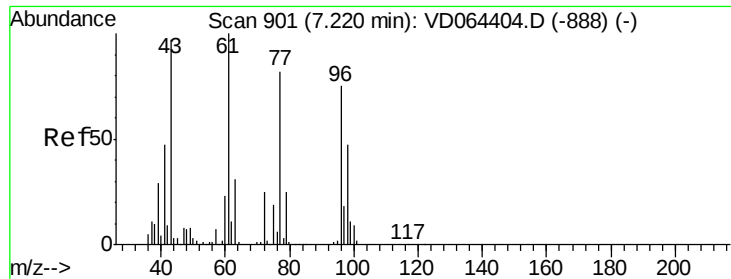
Ion Ratio Lower Upper

63 100

98 6.6 3.6 10.9

100 5.1 2.9 8.6





#25

2-Butanone

Concen: 247.517 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD064534.D

Acq: 16 Dec 2019 20:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 257647

Ion Ratio Lower Upper

43 100

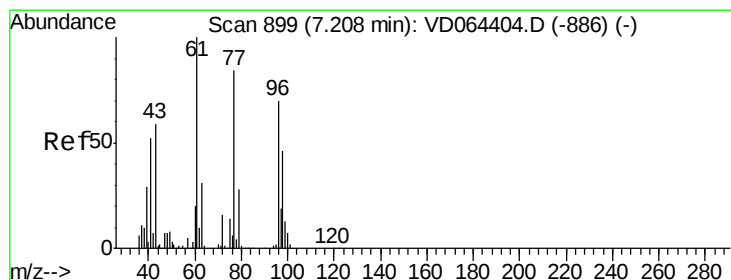
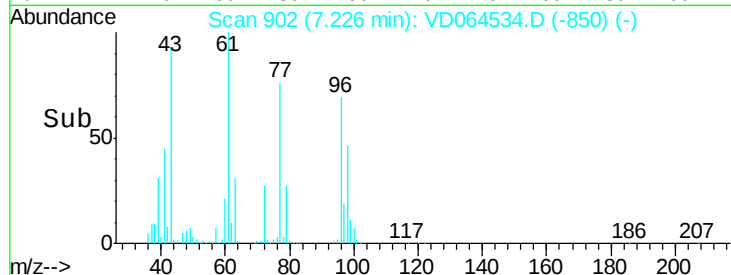
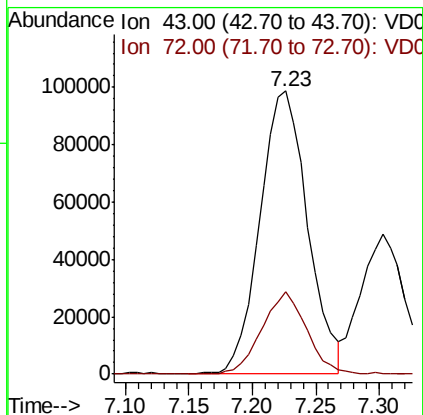
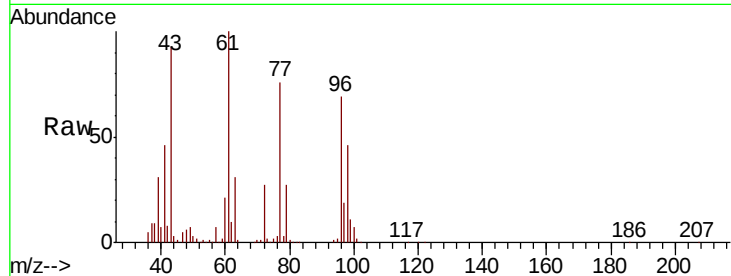
72 29.3 21.0 31.4

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#26

2,2-Dichloropropane

Concen: 53.060 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD064534.D

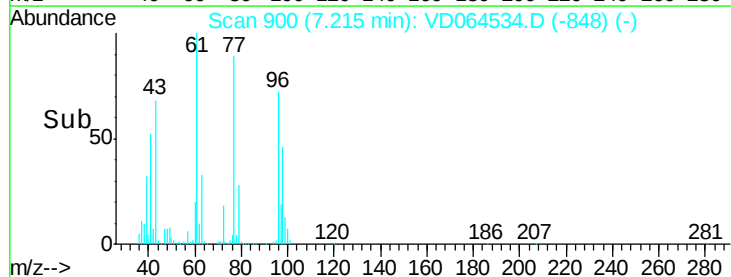
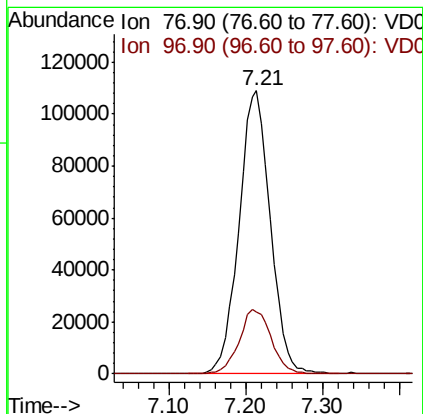
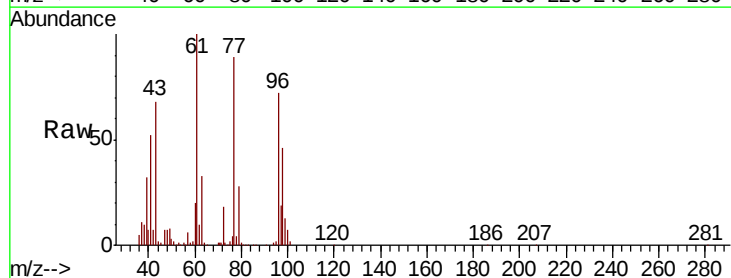
Acq: 16 Dec 2019 20:21

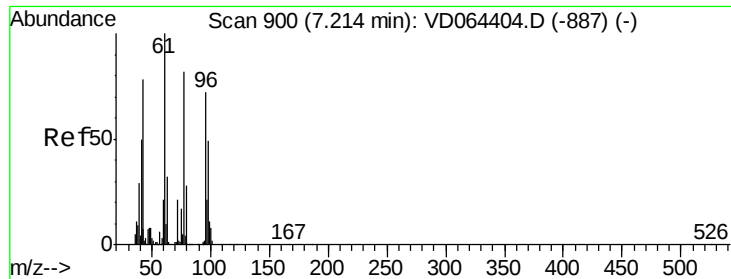
Tgt Ion: 77 Resp: 310102

Ion Ratio Lower Upper

77 100

97 23.4 11.6 34.7





#27

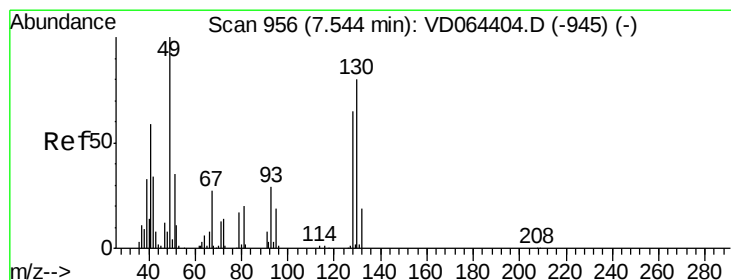
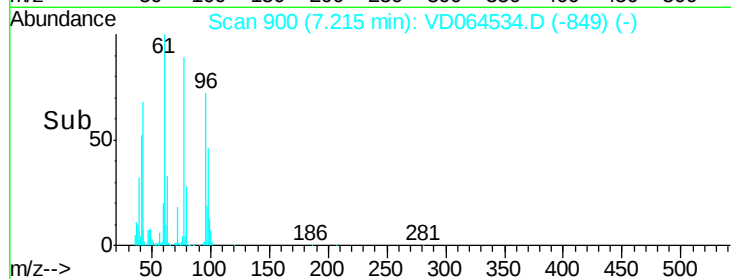
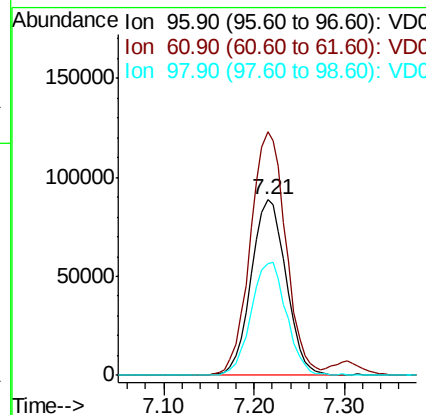
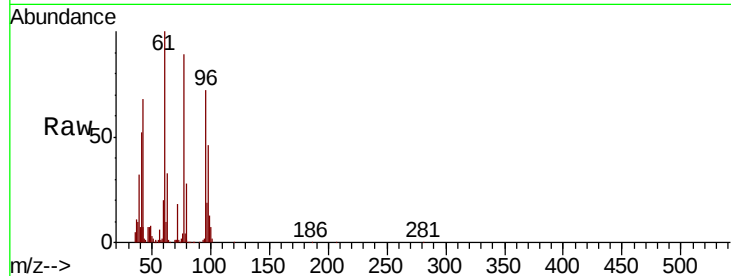
cis-1,2-Dichloroethene
 Concen: 53.245 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD064534.D
 Acq: 16 Dec 2019 20:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	238166		
61	140.6	0.0	279.6	
98	64.9	0.0	129.2	

Manual Integrations
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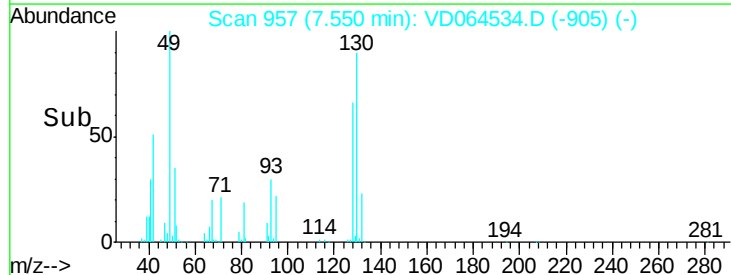
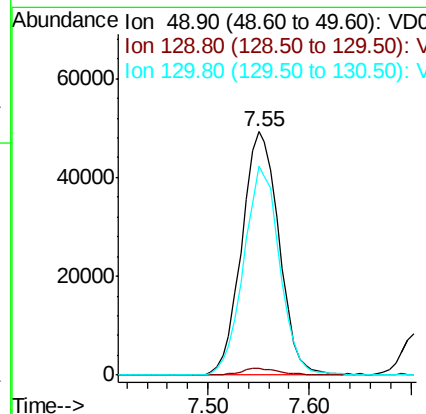
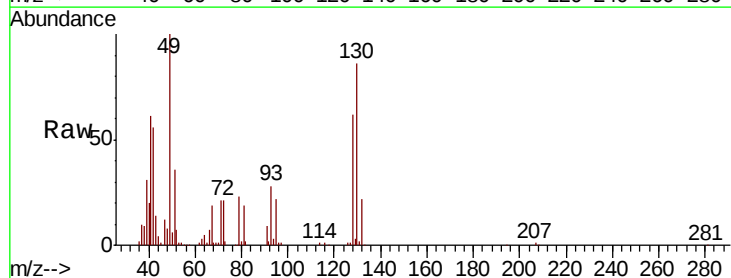
apatel
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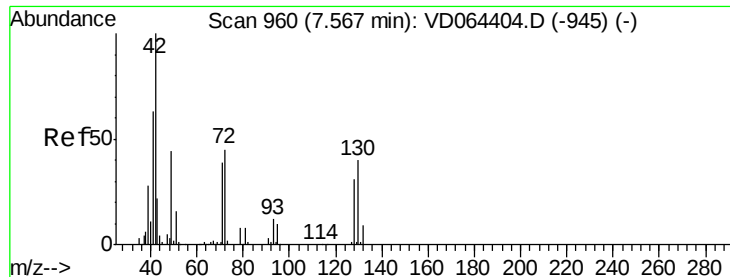


#28

Bromochloromethane
 Concen: 54.798 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.01 min
 Lab File: VD064534.D
 Acq: 16 Dec 2019 20:21

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	125852		
129	2.7	0.0	4.4	
130	82.9	67.4	101.0	





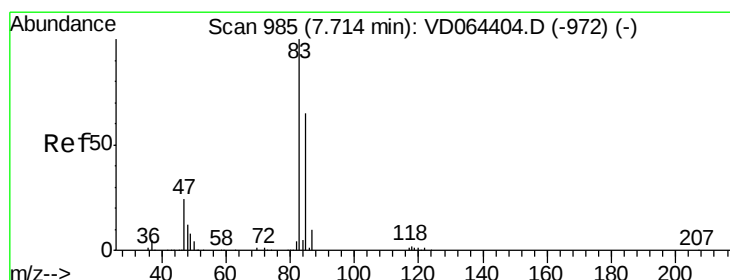
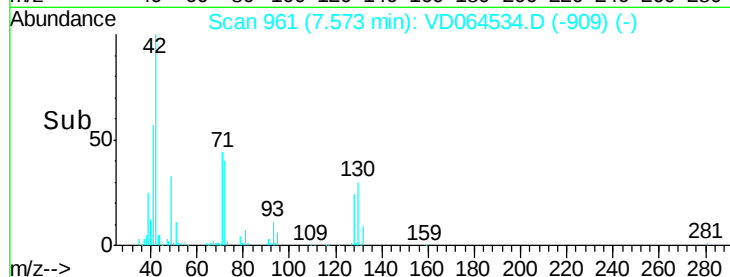
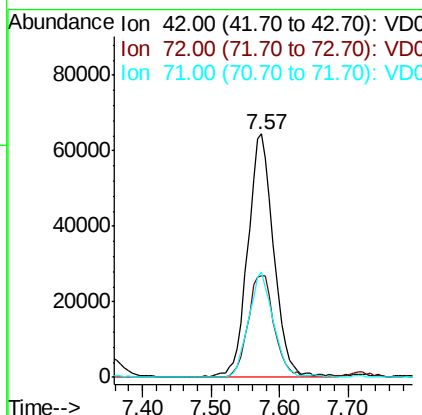
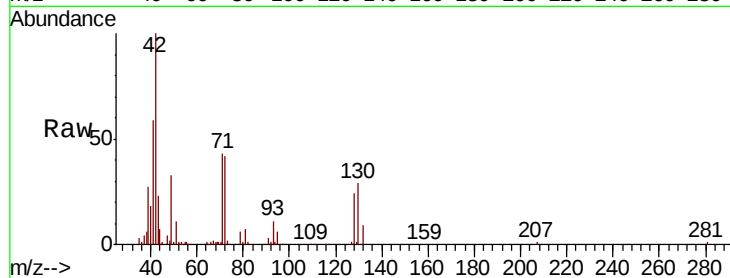
#29
Tetrahydrofuran
Concen: 257.721 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.01 min
Lab File: VD064534.D
Acq: 16 Dec 2019 20:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.1	35.8	53.8
71	41.1	32.7	49.1

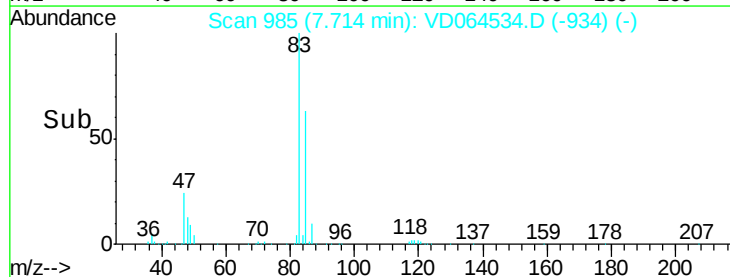
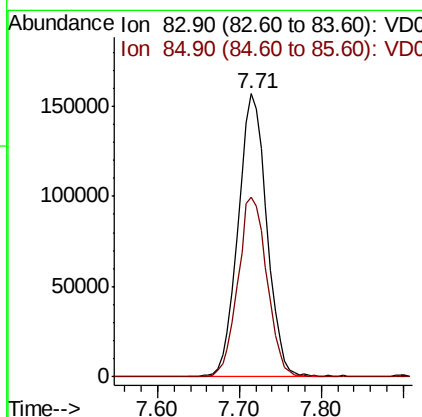
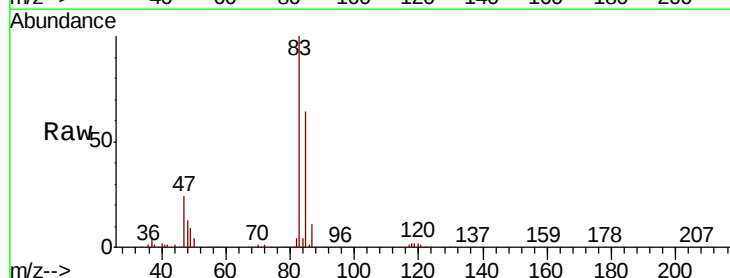
Manual Integrations
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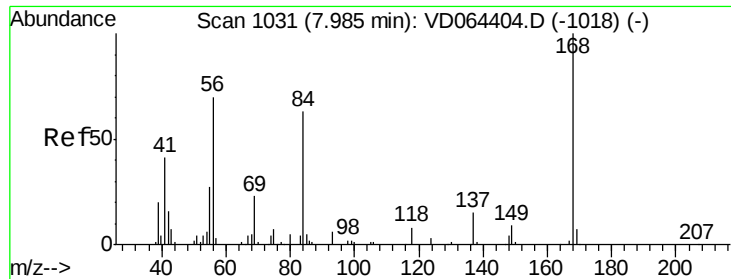
apatel
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#30
Chloroform
Concen: 55.107 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064534.D
Acq: 16 Dec 2019 20:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.8	77.6





#31

Cyclohexane

Concen: 54.088 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064534.D

Acq: 16 Dec 2019 20:21

Instrument :

MSVOA_D

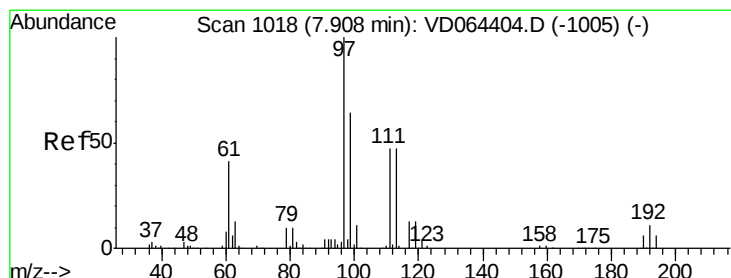
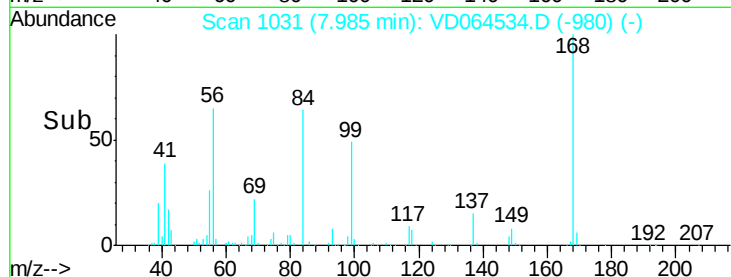
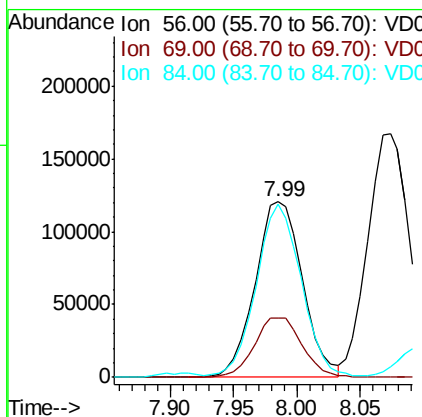
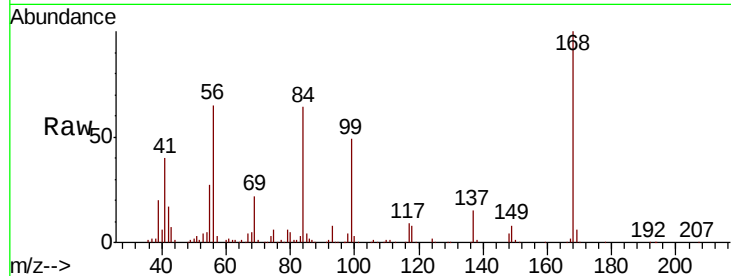
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	315147
Ion Ratio	Lower	Upper	
56	100		
69	33.9	26.2	39.4
84	96.5	70.3	105.5

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 53.763 ug/l

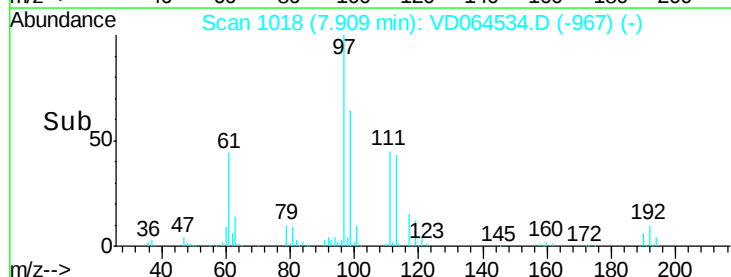
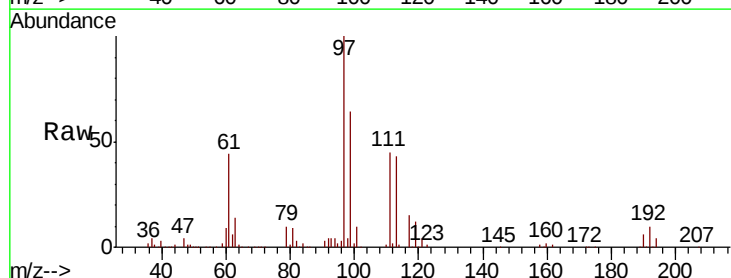
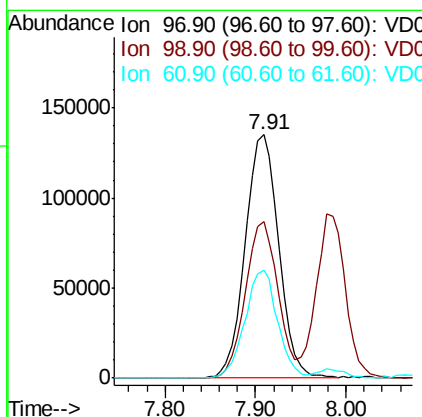
RT: 7.91 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VD064534.D

Acq: 16 Dec 2019 20:21

Tgt Ion:	97	Resp:	346913
Ion Ratio	Lower	Upper	
97	100		
99	62.5	51.4	77.2
61	43.1	35.0	52.4





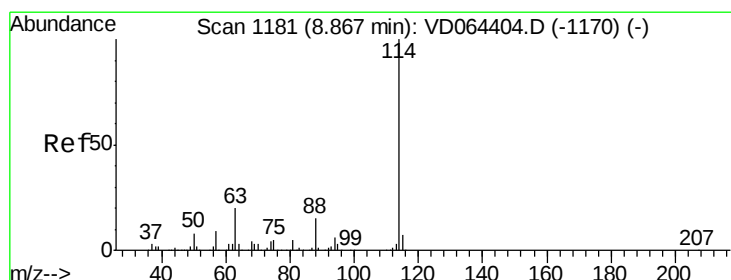
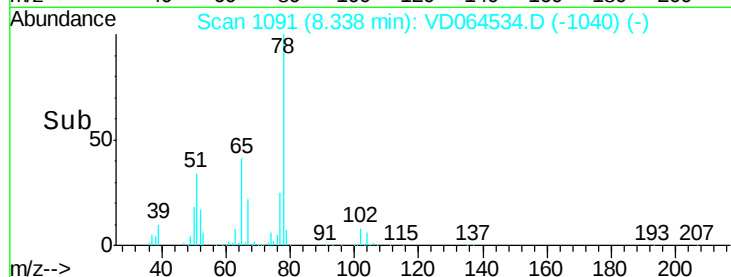
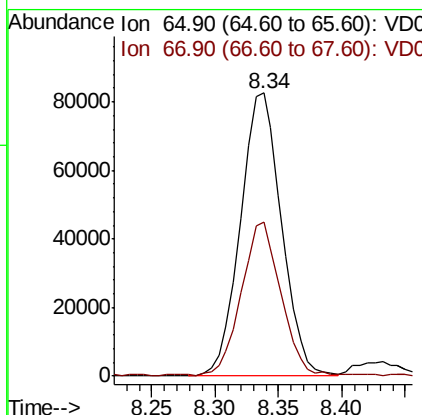
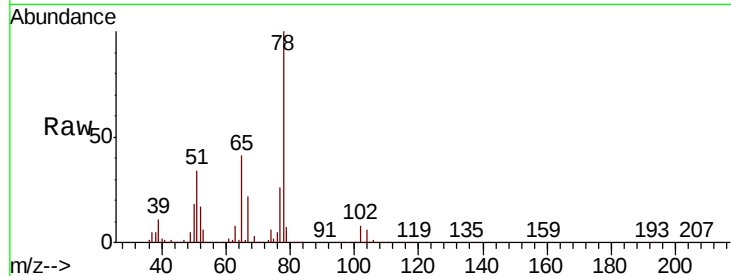
#33
 1,2-Dichloroethane-d4
 Concen: 51.186 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD064534.D
 Acq: 16 Dec 2019 20:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	186437		
67	52.8	0.0	102.0	

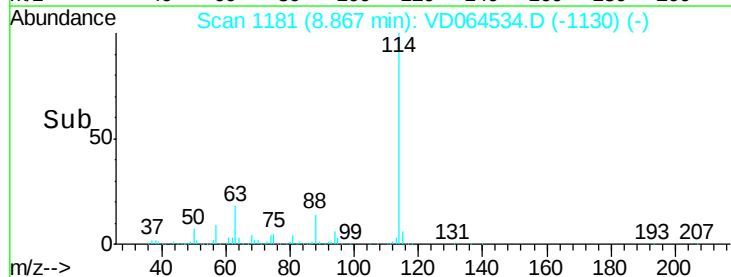
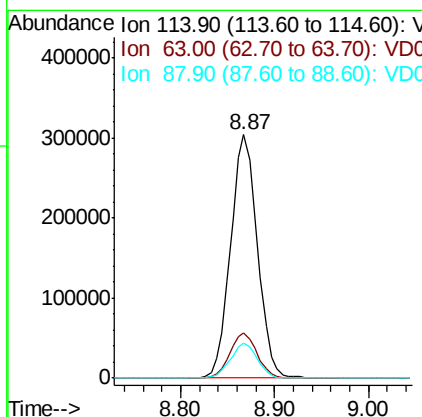
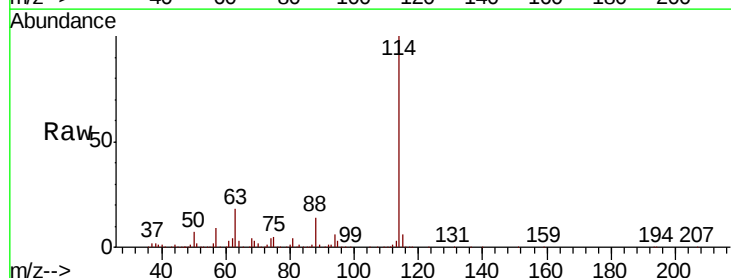
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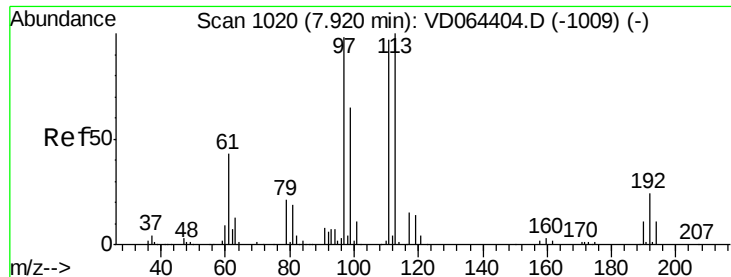
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064534.D
 Acq: 16 Dec 2019 20:21

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	602019		
63	18.5	0.0	40.0	
88	14.2	0.0	29.2	





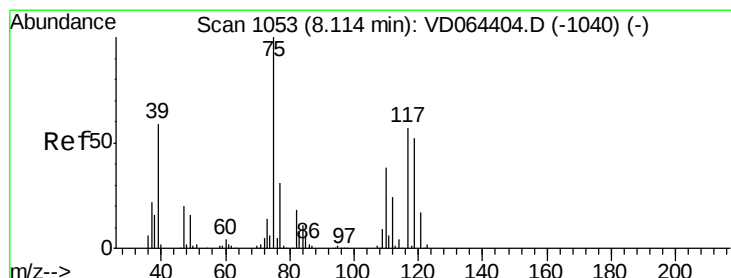
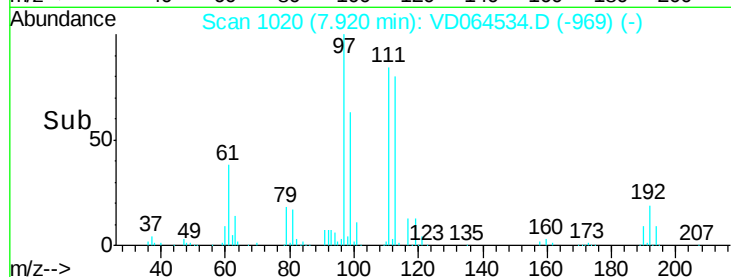
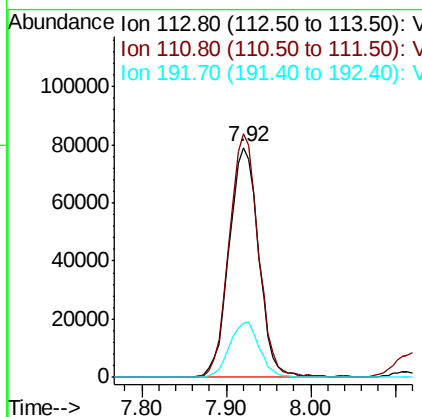
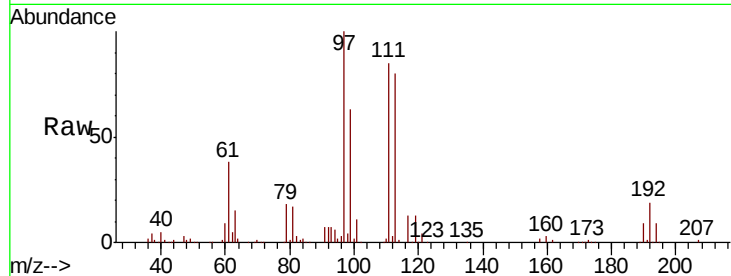
#35
 Dibromofluoromethane
 Concen: 50.129 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064534.D
 Acq: 16 Dec 2019 20:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	190139		
111	104.6	79.4	119.2	
192	24.1	18.6	28.0	

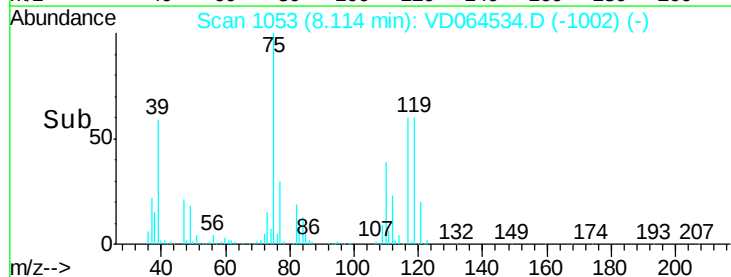
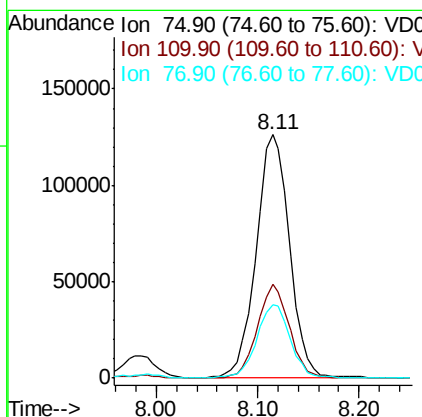
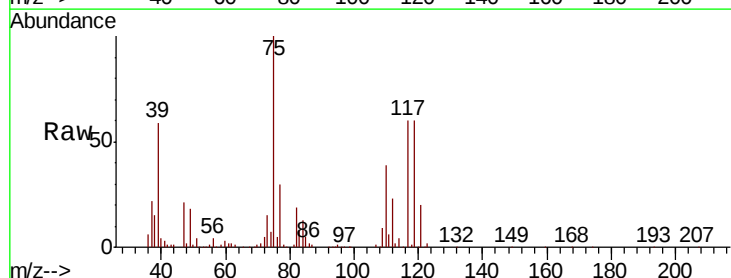
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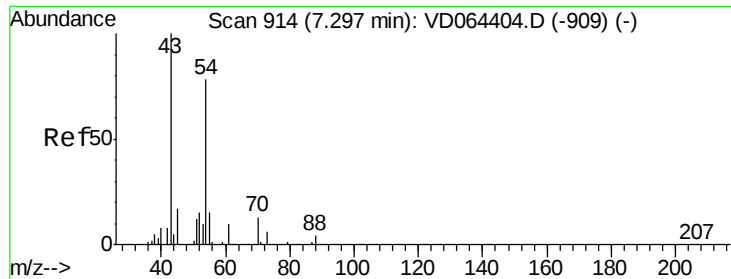
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#36
 1,1-Dichloropropene
 Concen: 50.250 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064534.D
 Acq: 16 Dec 2019 20:21

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	286139		
110	37.2	18.6	55.8	
77	30.3	25.0	37.4	





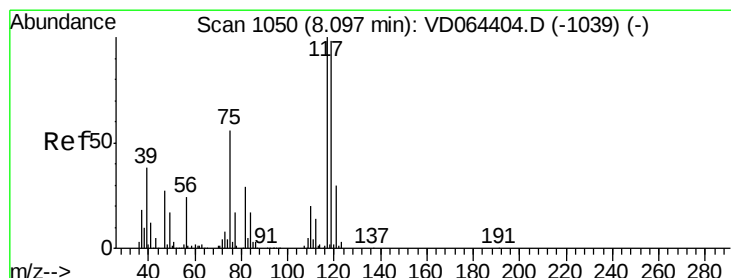
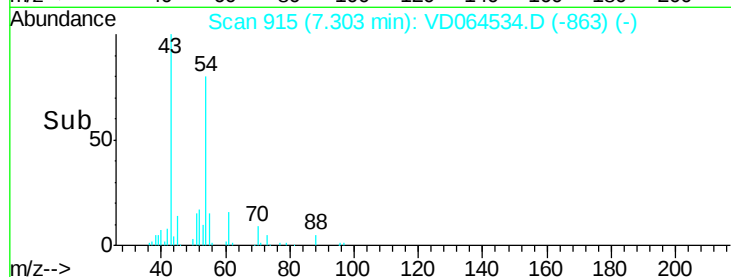
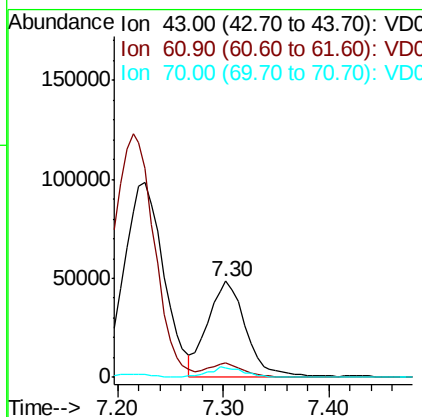
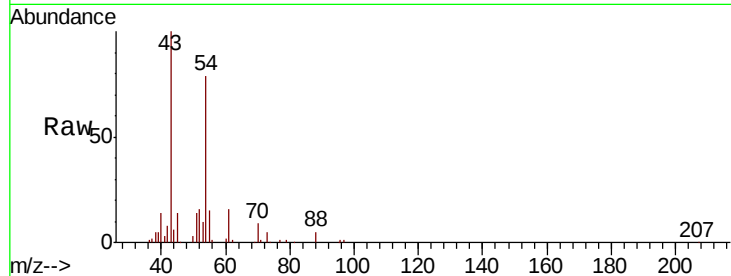
#37
Ethyl Acetate
Concen: 49.831 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064534.D
Acq: 16 Dec 2019 20:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	10.9	16.3
70	9.6	8.3	12.5

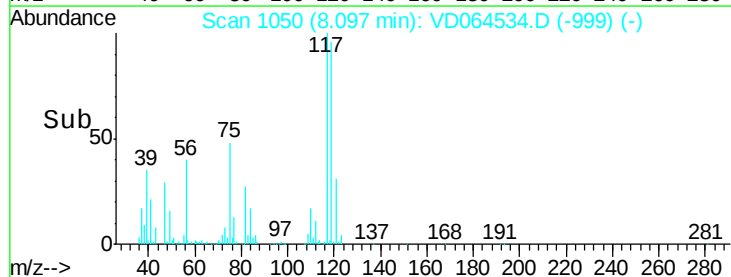
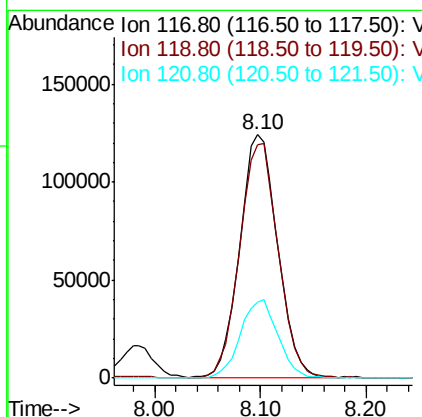
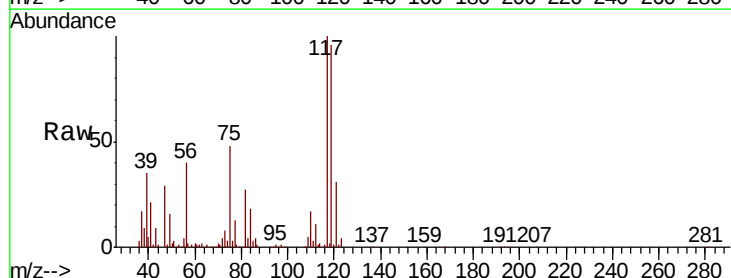
Manual Integrations
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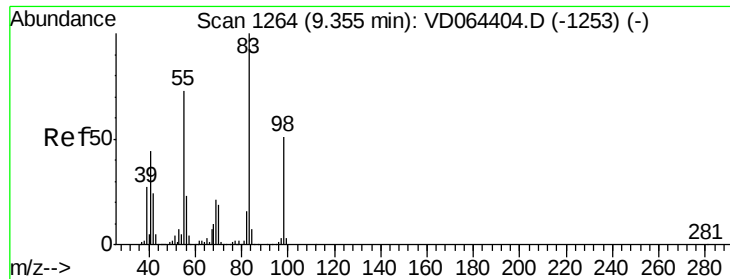
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#38
Carbon Tetrachloride
Concen: 51.304 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064534.D
Acq: 16 Dec 2019 20:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.9	78.8	118.2
121	31.2	24.2	36.2





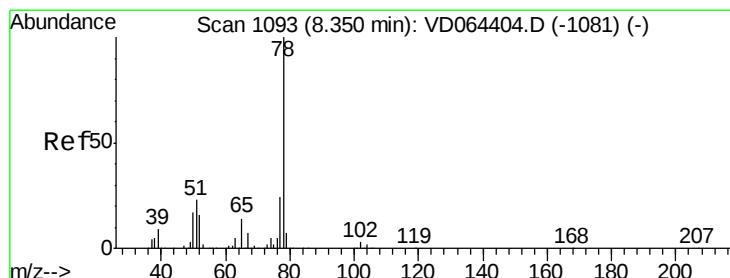
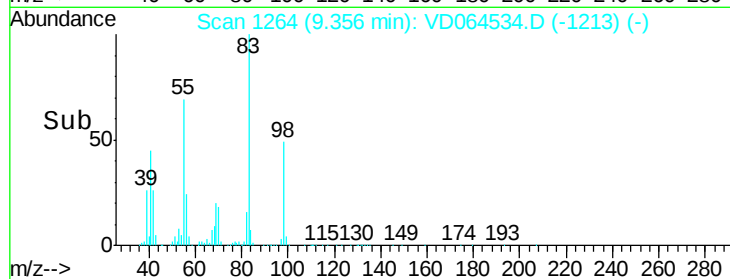
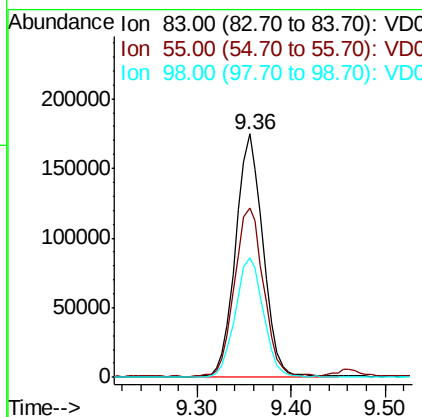
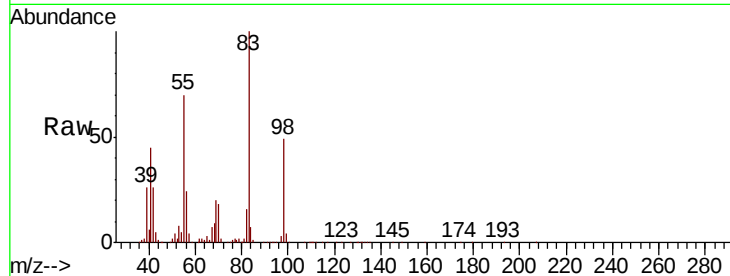
#39
Methylvlcvclohexane
Concen: 49.932 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064534.D
Acq: 16 Dec 2019 20:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.3	58.6	87.8
98	49.0	40.9	61.3

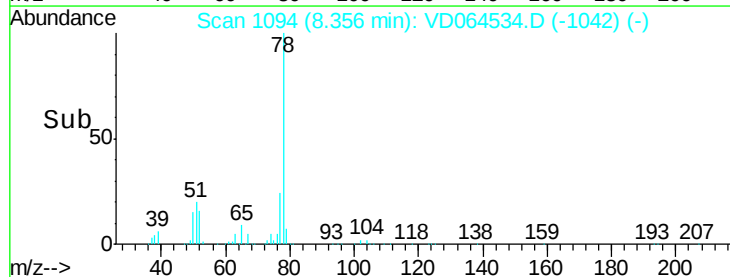
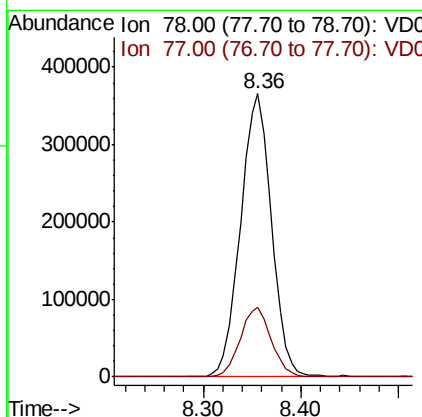
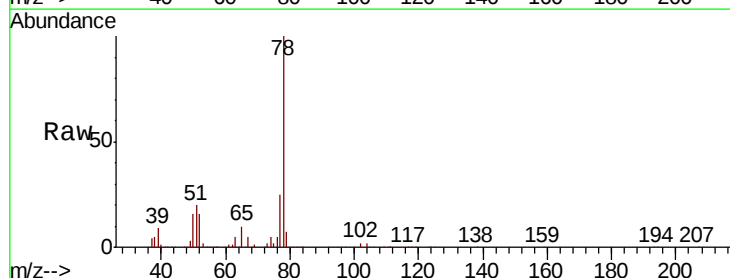
Manual Integrations
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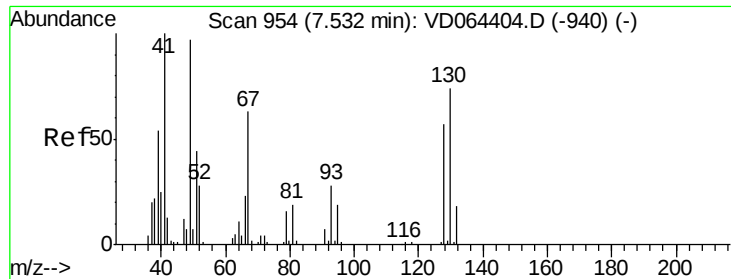
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#40
Benzene
Concen: 51.304 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD064534.D
Acq: 16 Dec 2019 20:21

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.6	29.4





#41

Methacrylonitrile

Concen: 46.007 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD064534.D

Acq: 16 Dec 2019 20:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 63750

Ion Ratio Lower Upper

41 100

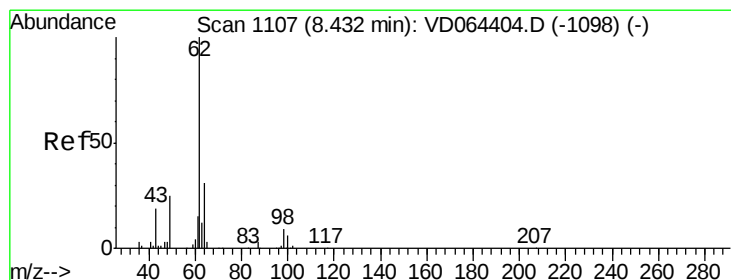
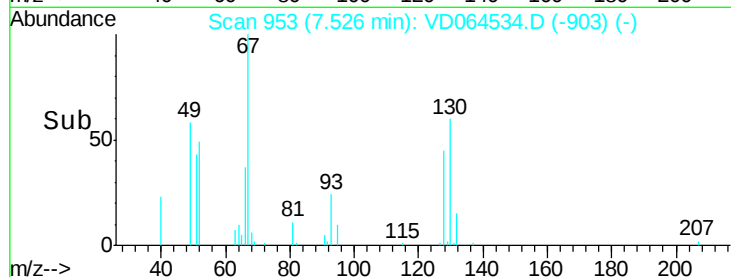
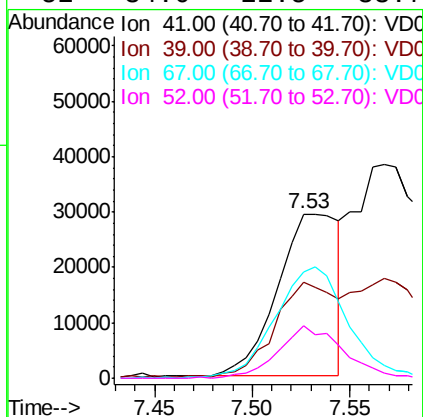
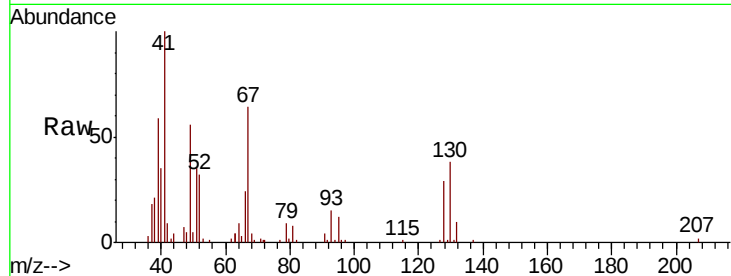
39 57.8 44.6 67.0

67 81.4 50.9 76.3#

52 34.0 22.5 33.7#

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 52.257 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD064534.D

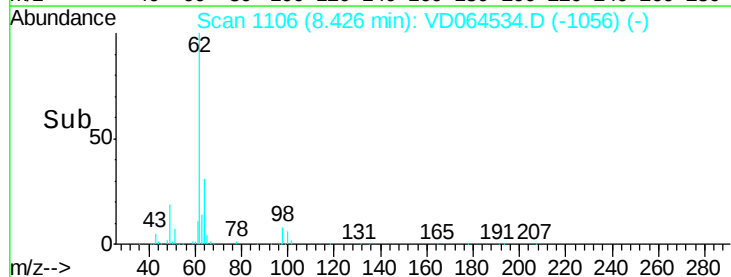
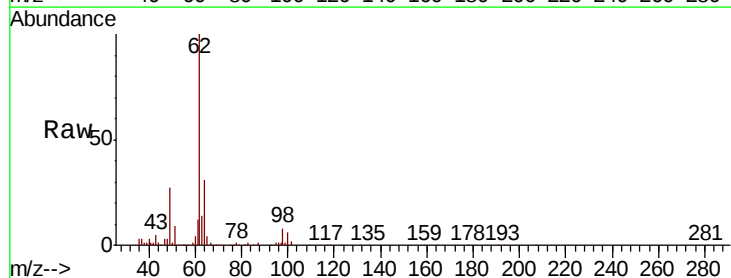
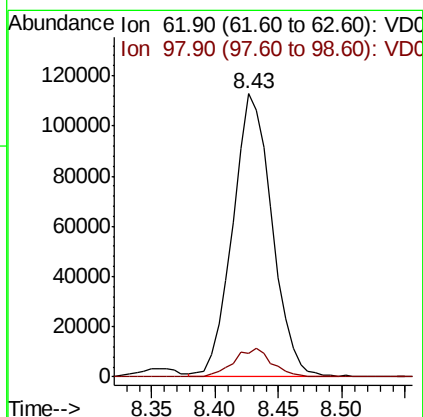
Acq: 16 Dec 2019 20:21

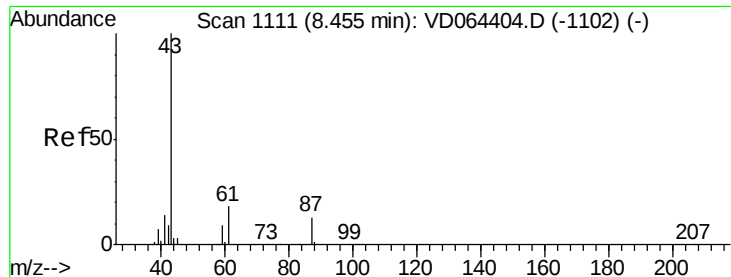
Tgt Ion: 62 Resp: 241017

Ion Ratio Lower Upper

62 100

98 10.1 0.0 20.6





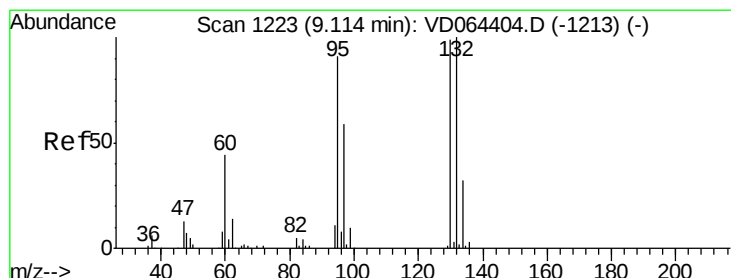
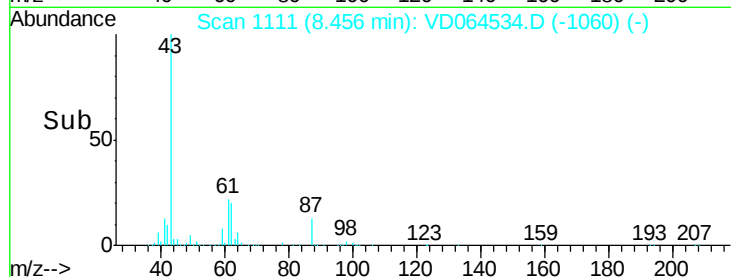
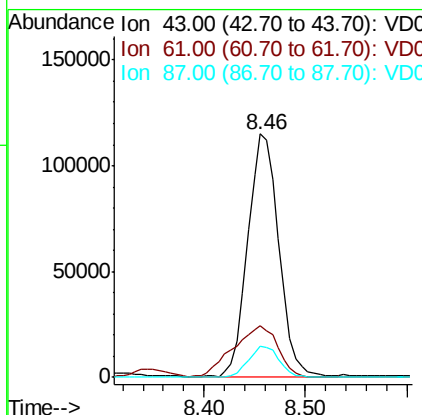
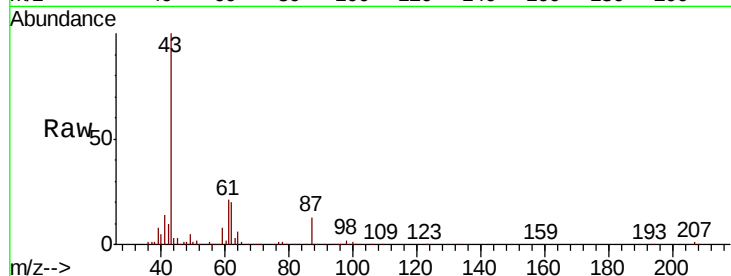
#43
Isopropyl Acetate
Concen: 51.683 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD064534.D
Acq: 16 Dec 2019 20:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.7	24.0	36.0
87	12.8	10.6	15.8

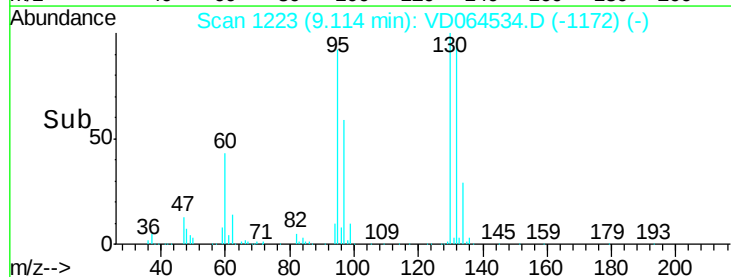
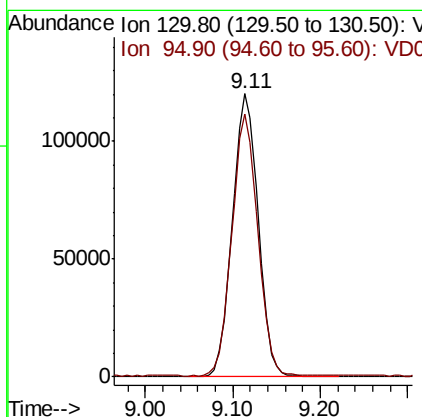
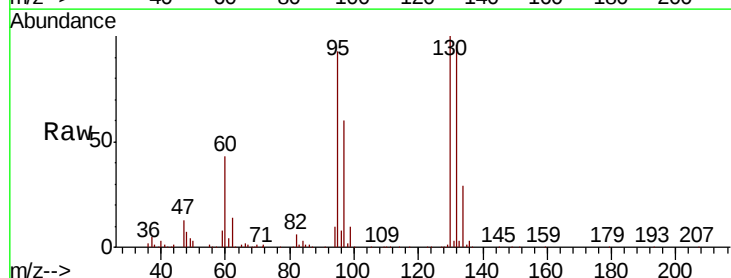
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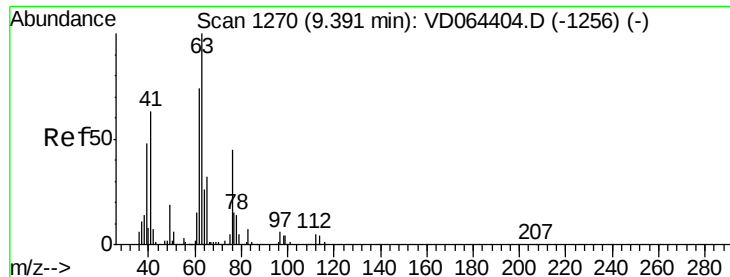
apatel
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#44
Trichloroethene
Concen: 50.310 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD064534.D
Acq: 16 Dec 2019 20:21

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.5	0.0	184.6





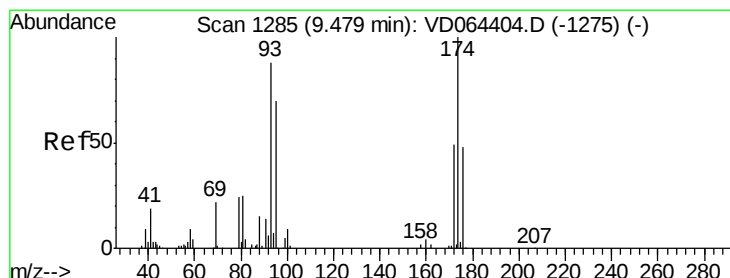
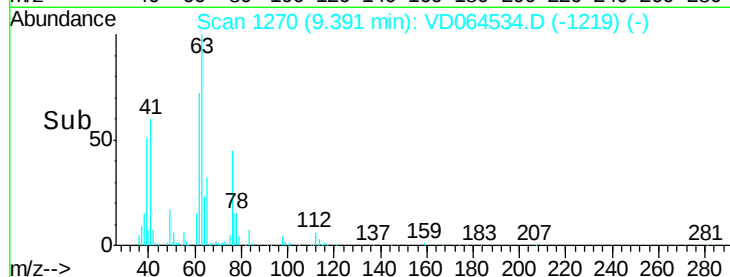
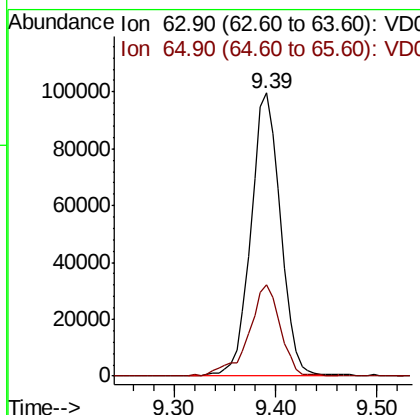
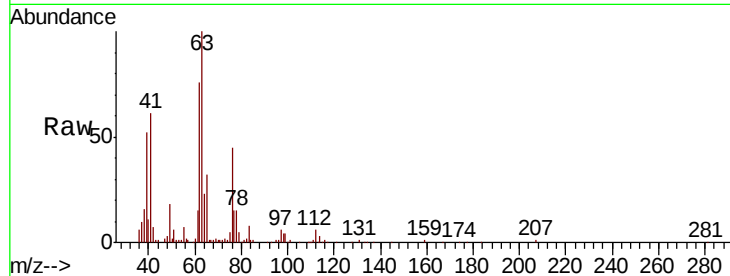
#45
 1,2-Dichloropropane
 Concen: 53.481 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD064534.D
 Acq: 16 Dec 2019 20:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.0	25.4	38.0

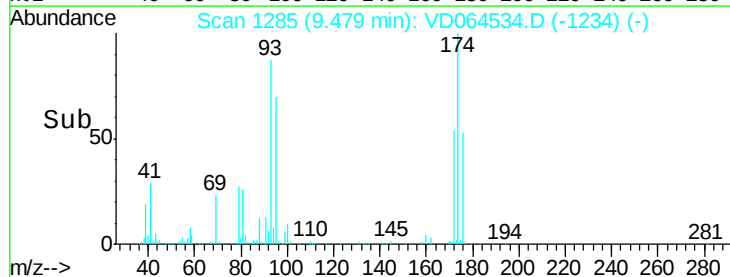
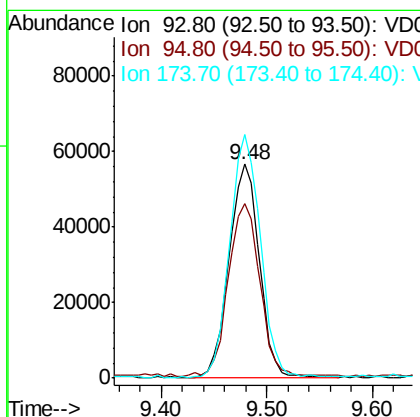
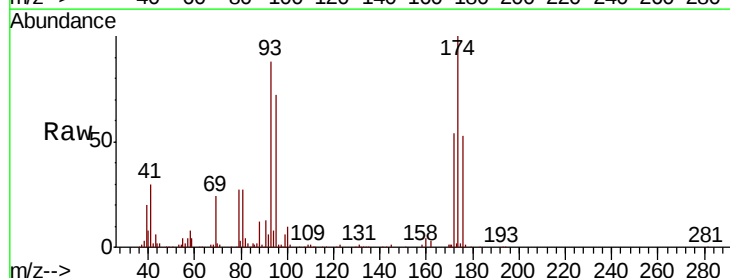
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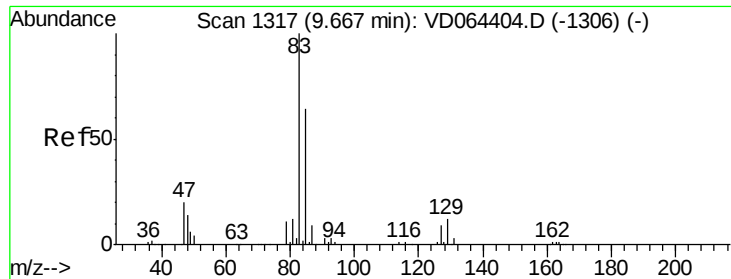
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#46
 Dibromomethane
 Concen: 52.350 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD064534.D
 Acq: 16 Dec 2019 20:21

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.3	66.7	100.1
174	117.3	92.3	138.5





#47

Bromodichloromethane

Concen: 54.647 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064534.D

Acq: 16 Dec 2019 20:21

Instrument :

MSVOA_D

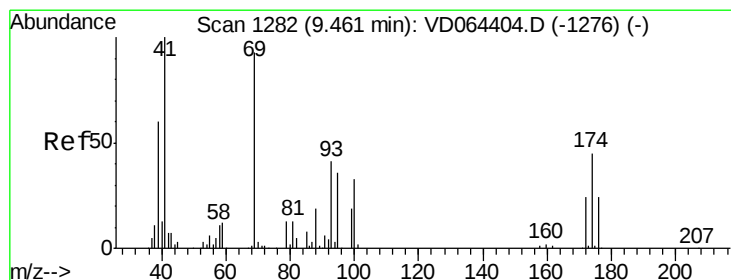
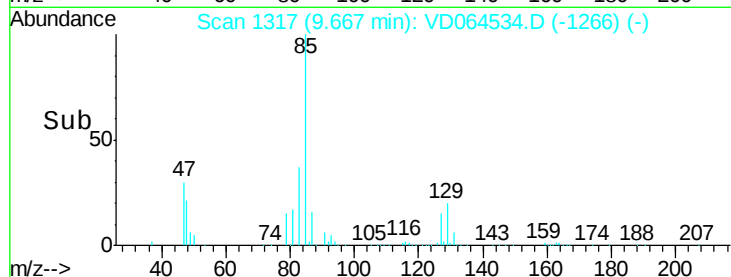
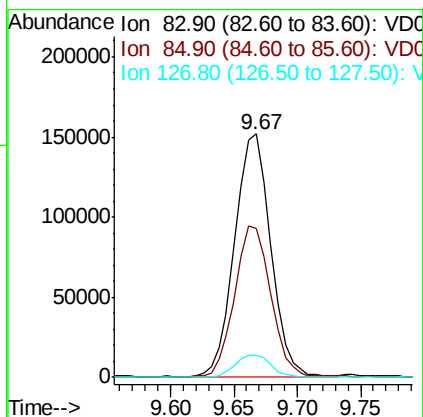
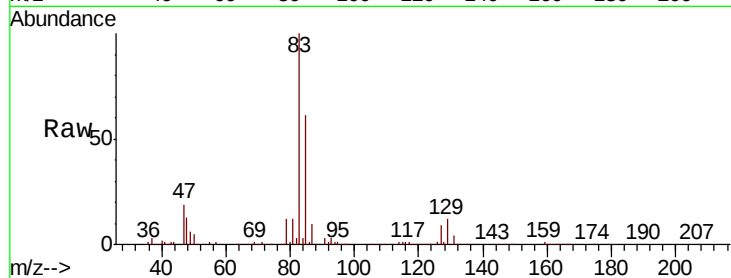
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	299750
Ion	Ratio	Lower	Upper
83	100		
85	61.0	51.1	76.7
127	9.0	7.4	11.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 51.981 ug/l

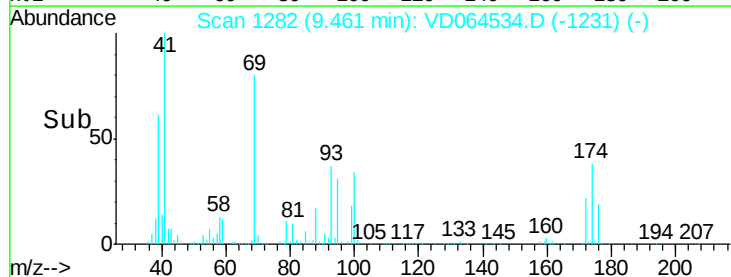
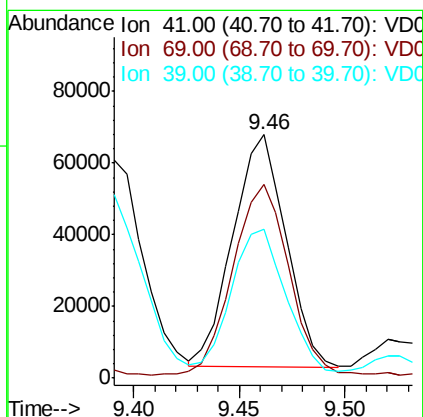
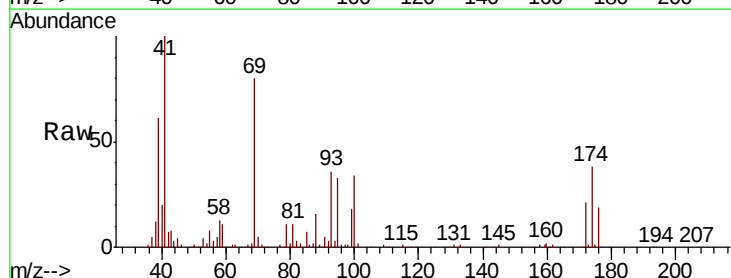
RT: 9.46 min Scan# 1282

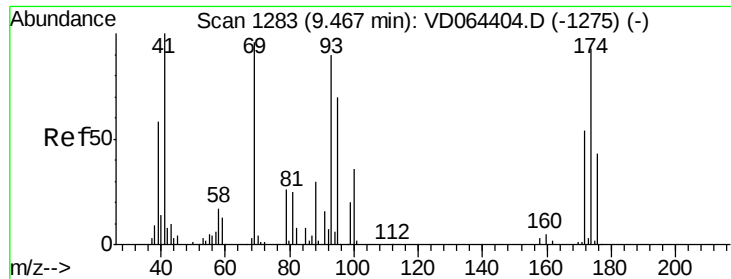
Delta R.T. 0.00 min

Lab File: VD064534.D

Acq: 16 Dec 2019 20:21

Tgt Ion:	41	Resp:	113000
Ion	Ratio	Lower	Upper
41	100		
69	87.2	72.0	108.0
39	68.0	55.2	82.8





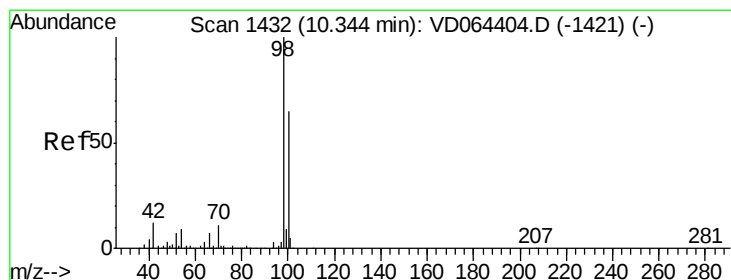
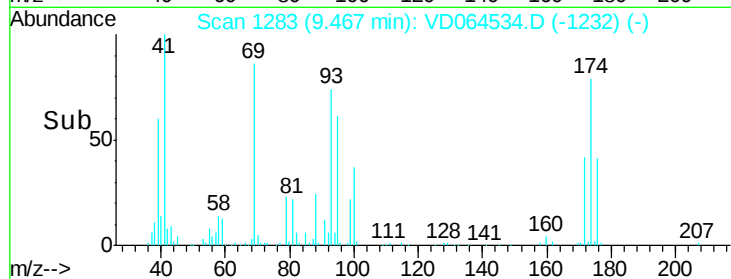
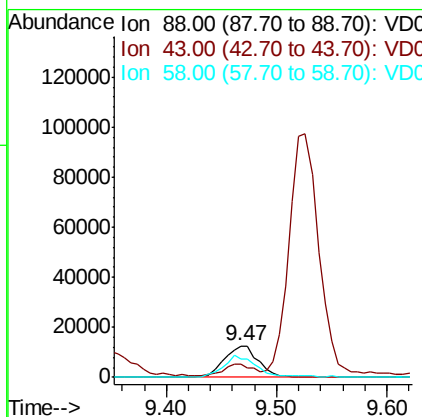
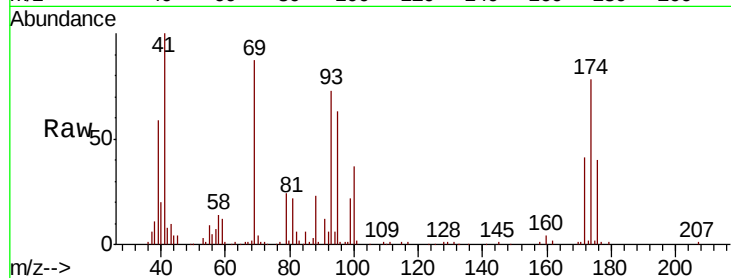
#49
1,4-Dioxane
Concen: 1033.563 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD064534.D
Acq: 16 Dec 2019 20:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 88 Resp: 27246
Ion Ratio Lower Upper
88 100
43 33.1 26.7 40.1
58 65.3 52.3 78.5

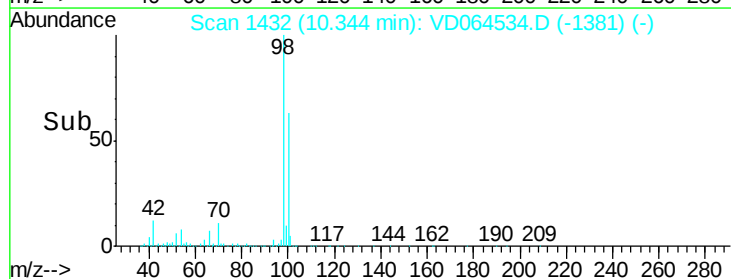
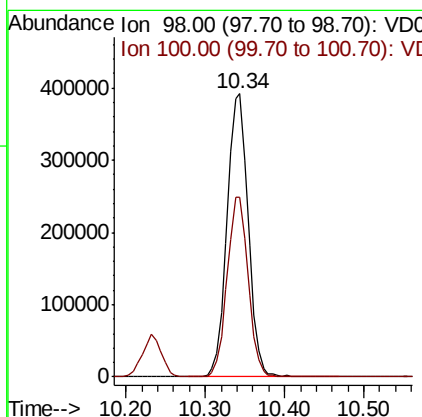
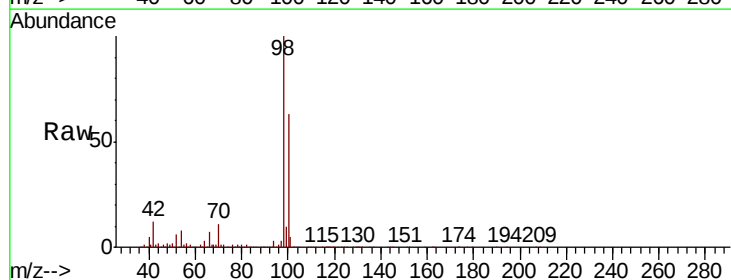
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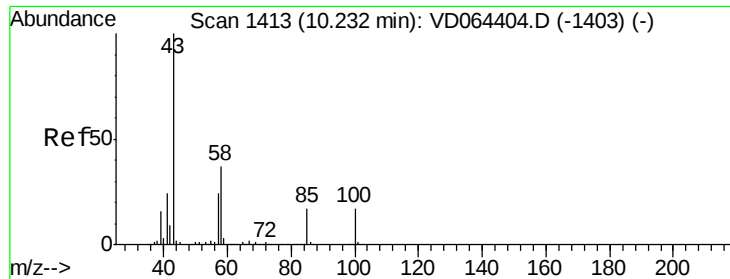
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#50
Toluene-d8
Concen: 50.531 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064534.D
Acq: 16 Dec 2019 20:21

Tgt Ion: 98 Resp: 721984
Ion Ratio Lower Upper
98 100
100 63.1 52.6 79.0





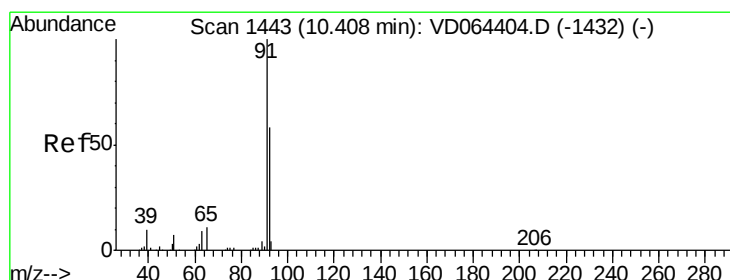
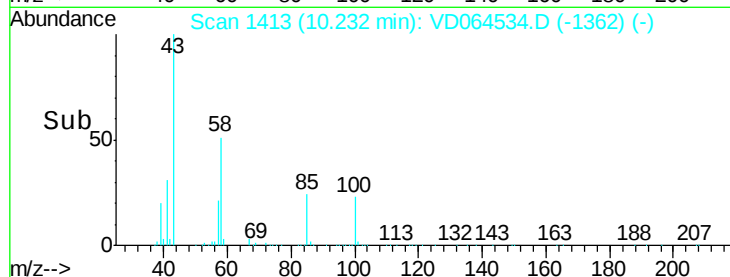
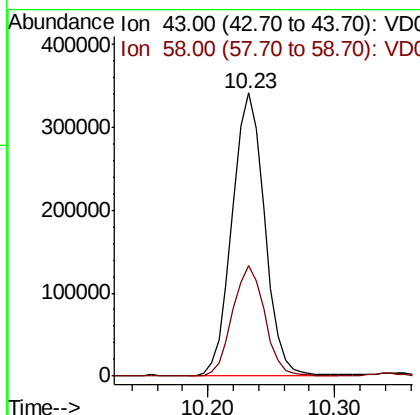
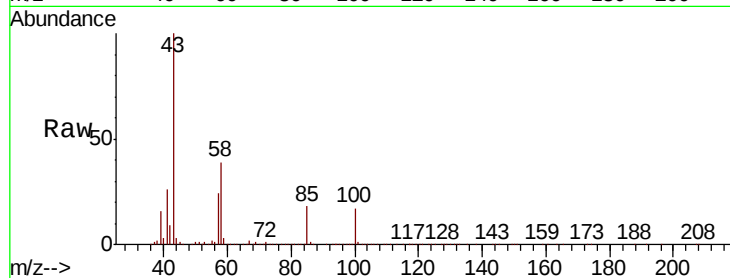
#51
4-Methyl-2-Pentanone
Concen: 255.539 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD064534.D
Acq: 16 Dec 2019 20:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 600671
Ion Ratio Lower Upper
43 100
58 39.0 30.6 46.0

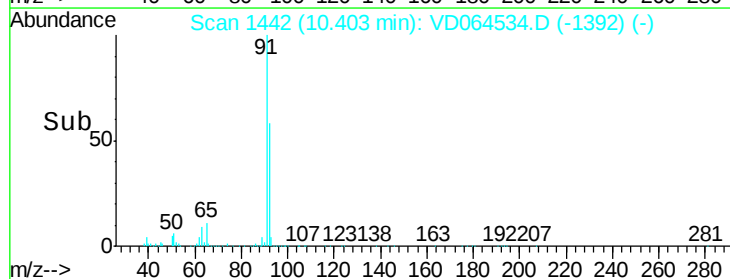
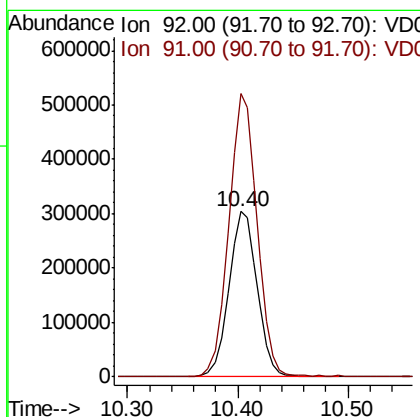
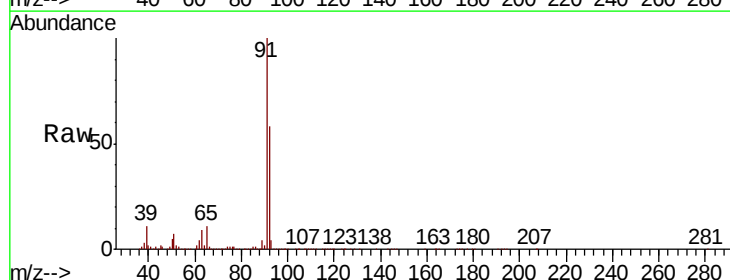
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#52
Toluene
Concen: 52.697 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. -0.01 min
Lab File: VD064534.D
Acq: 16 Dec 2019 20:21

Tgt Ion: 92 Resp: 543146
Ion Ratio Lower Upper
92 100
91 172.0 137.8 206.6





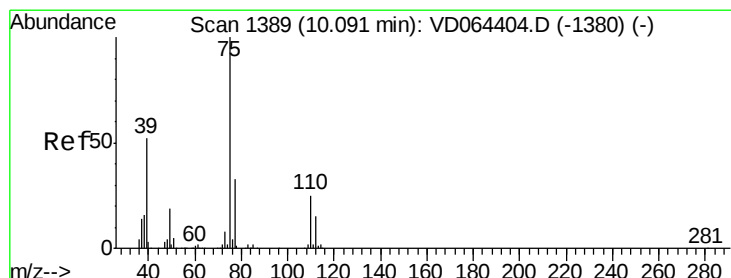
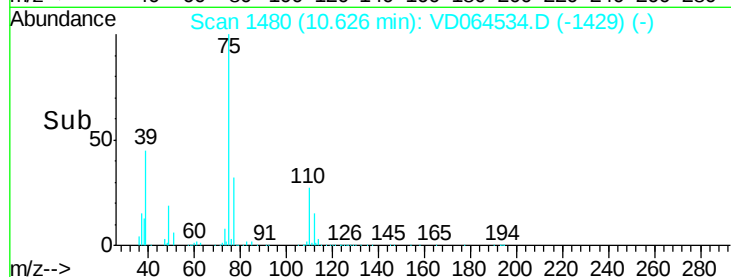
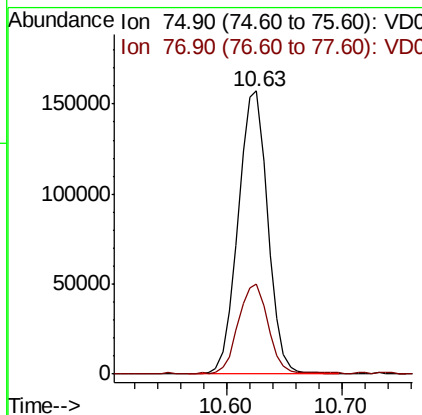
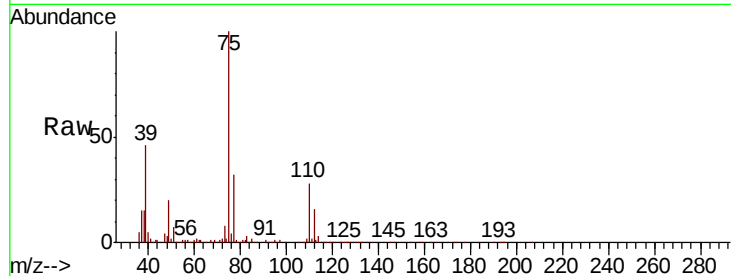
#53
t-1,3-Dichloropropene
Concen: 53.571 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD064534.D
Acq: 16 Dec 2019 20:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.0	37.4

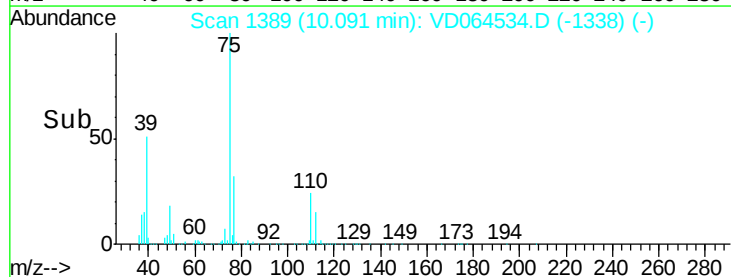
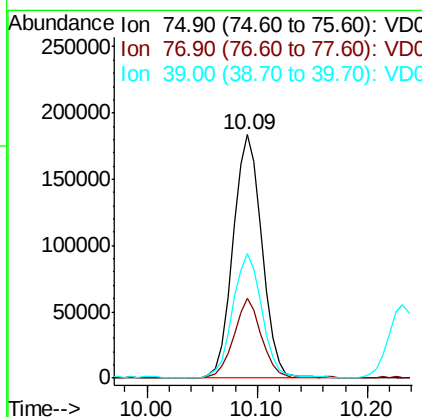
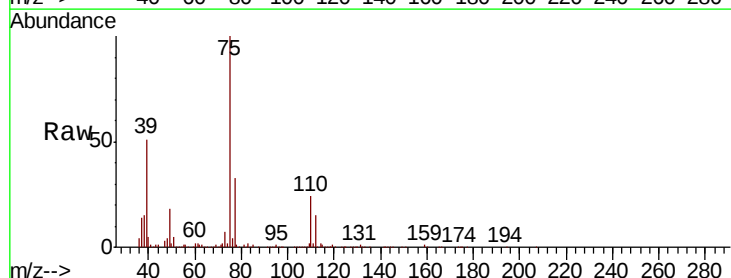
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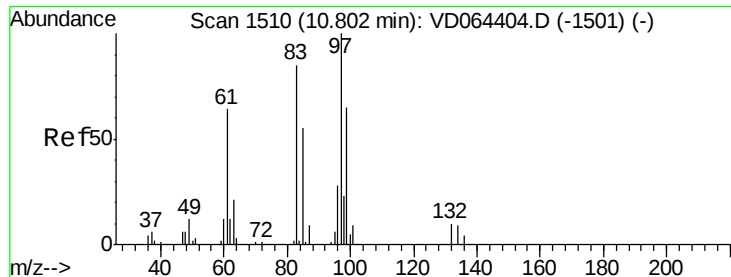
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#54
cis-1,3-Dichloropropene
Concen: 54.379 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD064534.D
Acq: 16 Dec 2019 20:21

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.2	26.1	39.1
39	50.9	41.5	62.3





#55

1,1,2-Trichloroethane

Concen: 51.287 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD064534.D

Acq: 16 Dec 2019 20:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 149916

Ion Ratio Lower Upper

97 100

83 90.7 67.8 101.8

85 57.7 43.7 65.5

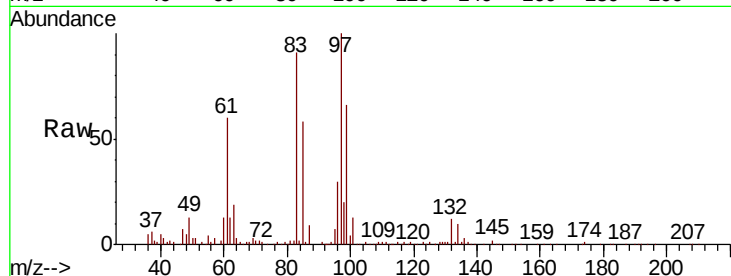
99 67.0 51.7 77.5

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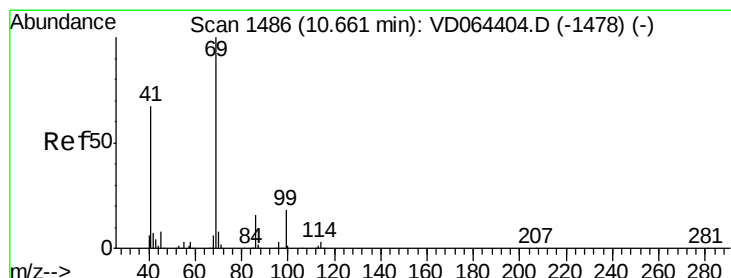
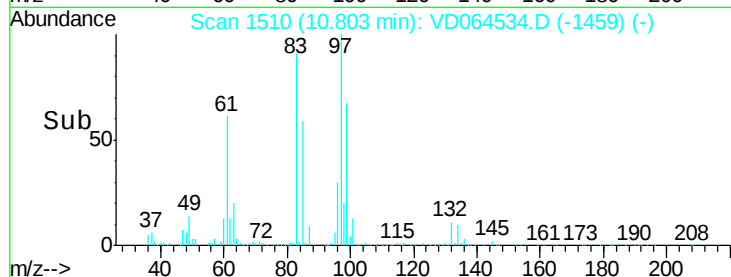
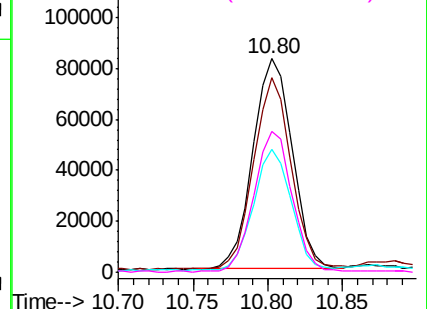


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 54.052 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VD064534.D

Acq: 16 Dec 2019 20:21

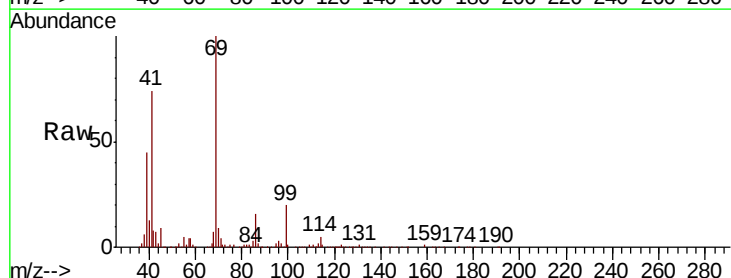
Tgt Ion: 69 Resp: 201520

Ion Ratio Lower Upper

69 100

41 69.2 55.0 82.4

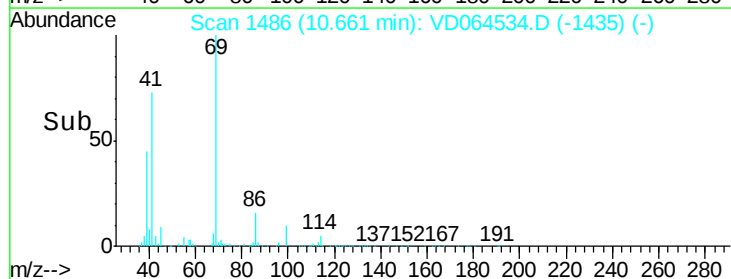
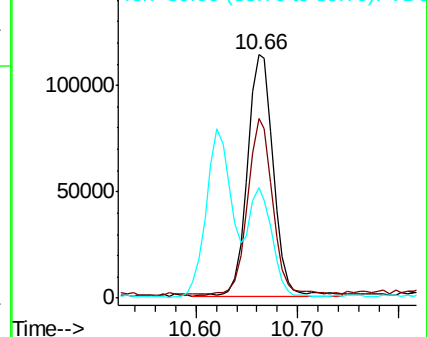
39 40.5 33.0 49.6

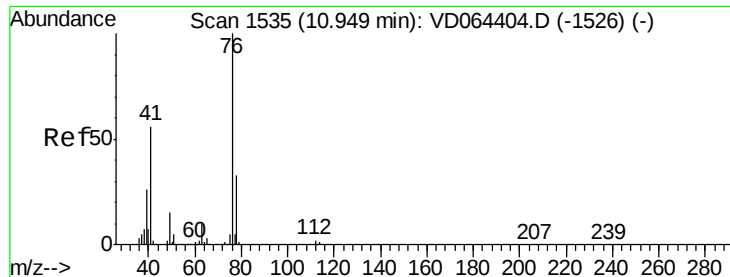


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 52.904 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064534.D

Acq: 16 Dec 2019 20:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 263246

Ion Ratio Lower Upper

76 100

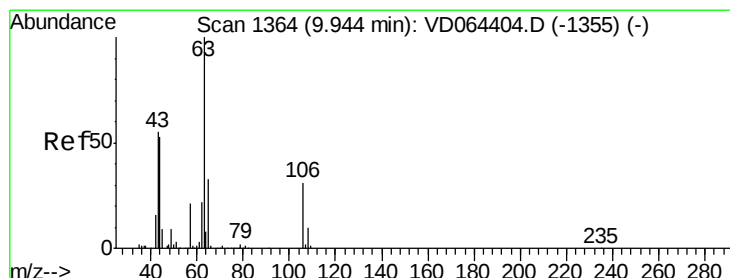
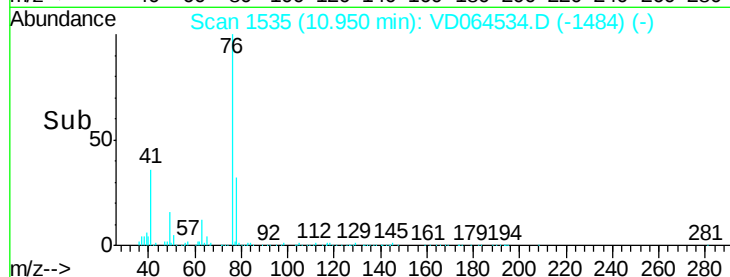
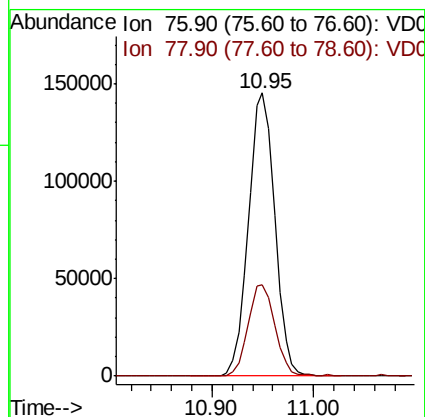
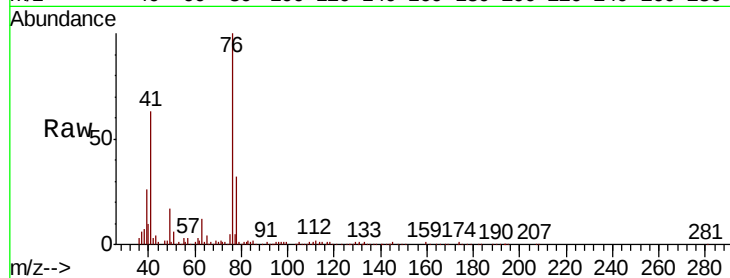
78 32.6 26.0 39.0

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#58

2-Chloroethyl Vinyl ether

Concen: 262.600 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD064534.D

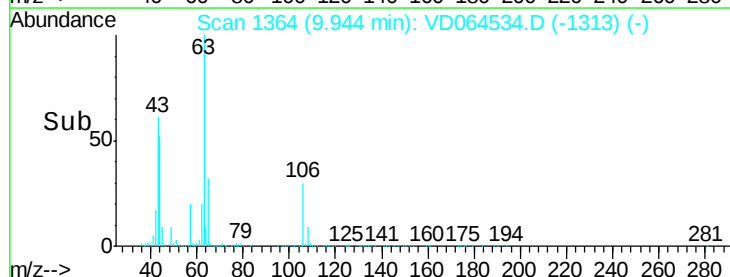
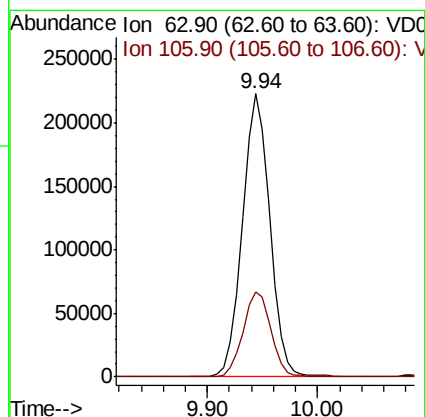
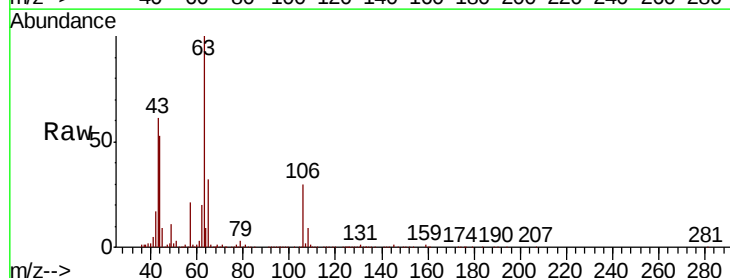
Acq: 16 Dec 2019 20:21

Tgt Ion: 63 Resp: 390281

Ion Ratio Lower Upper

63 100

106 30.6 24.2 36.4





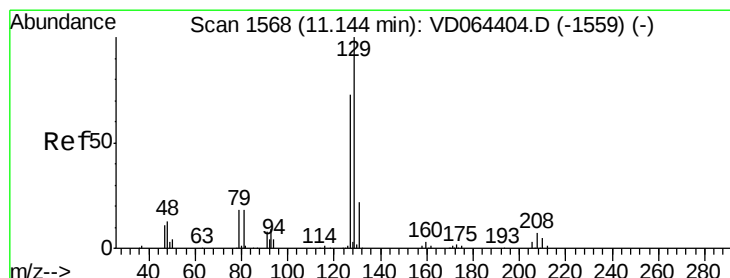
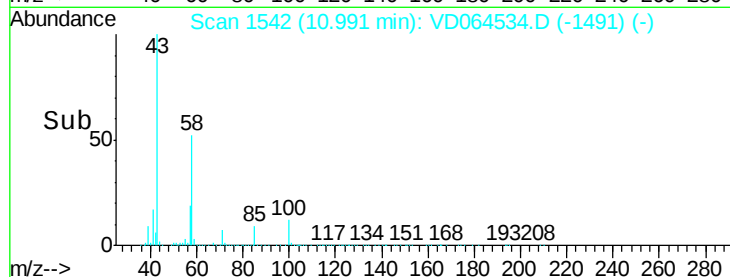
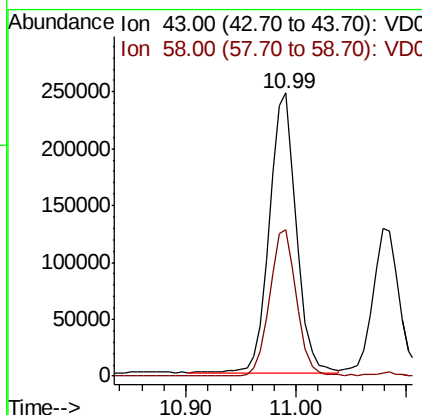
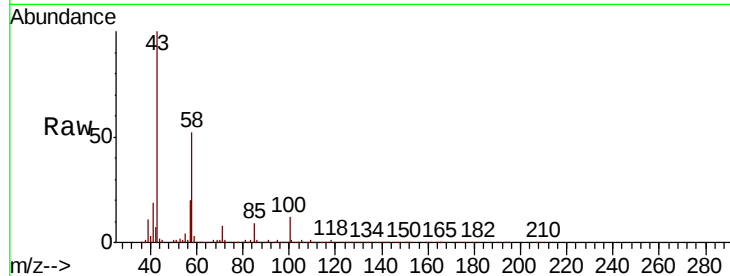
#59
2-Hexanone
Concen: 256.325 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064534.D
Acq: 16 Dec 2019 20:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 418081
Ion Ratio Lower Upper
43 100
58 52.3 26.3 78.8

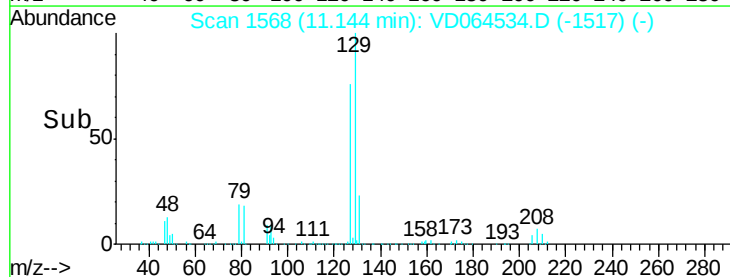
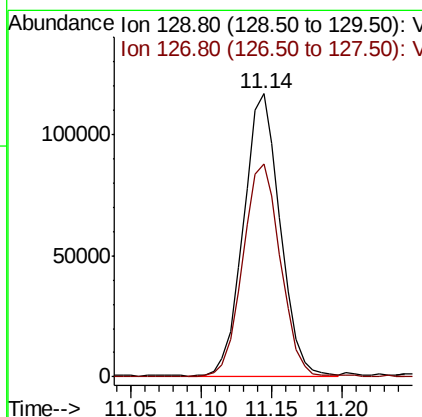
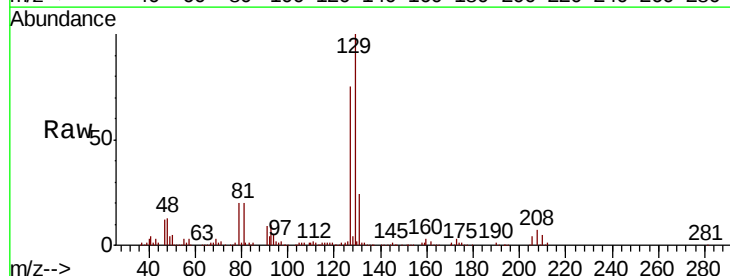
Manual Integrations
APPROVED

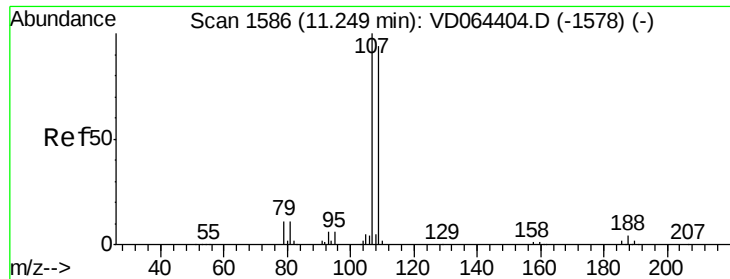
apatel
12/17/2019 4:49:19 PM



#60
Dibromochloromethane
Concen: 53.051 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064534.D
Acq: 16 Dec 2019 20:21

Tgt Ion: 129 Resp: 210257
Ion Ratio Lower Upper
129 100
127 78.3 38.1 114.3





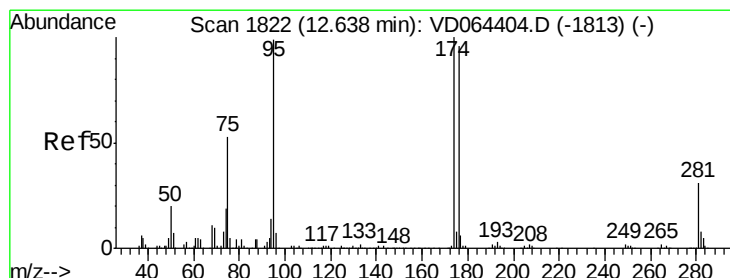
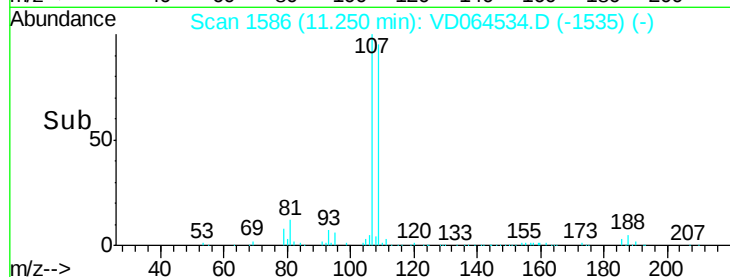
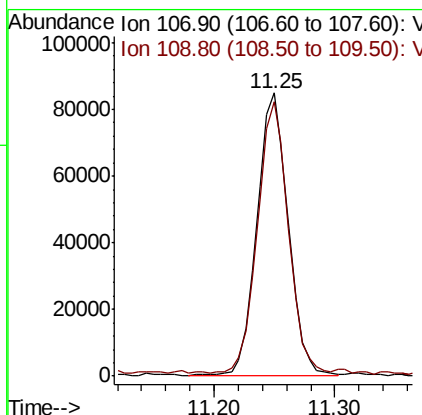
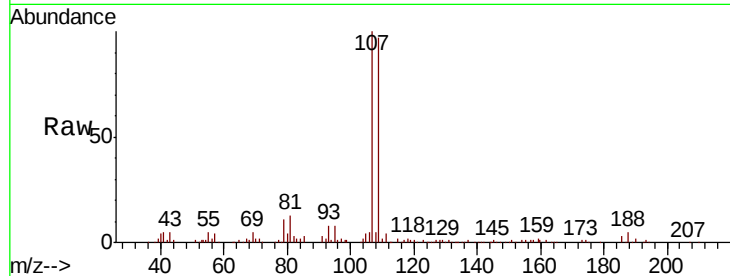
#61
 1,2-Dibromoethane
 Concen: 51.734 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064534.D
 Acq: 16 Dec 2019 20:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.3	76.2	114.2

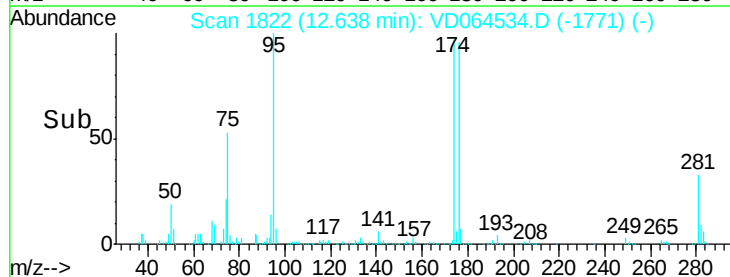
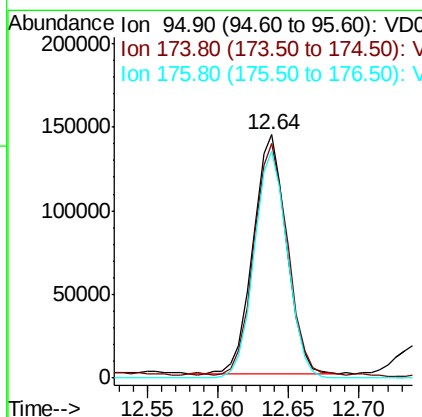
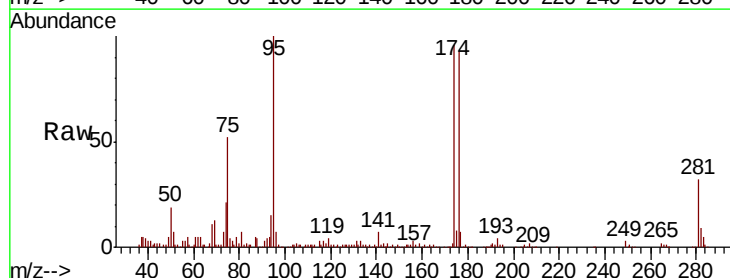
Manual Integrations
 APPROVED

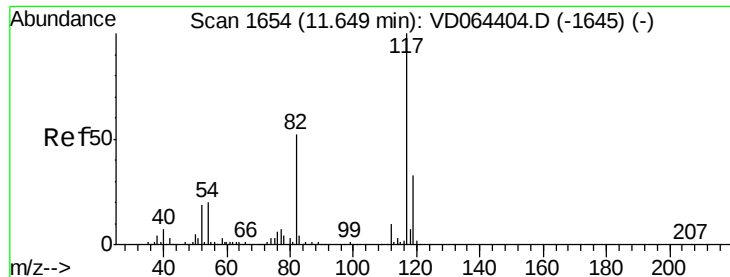
apatel
 12/17/2019 4:49:19 PM



#62
 4-Bromofluorobenzene
 Concen: 51.468 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064534.D
 Acq: 16 Dec 2019 20:21

Tgt Ion	Ratio	Lower	Upper
95	100		
174	98.2	0.0	197.2
176	95.4	0.0	189.6





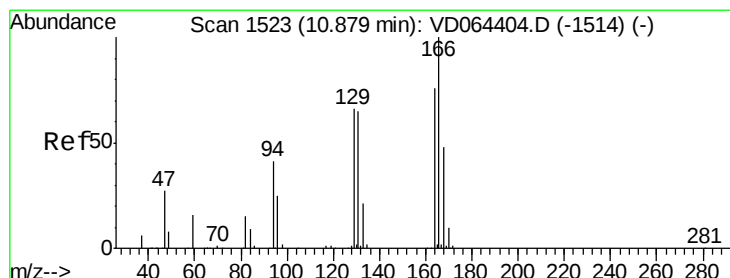
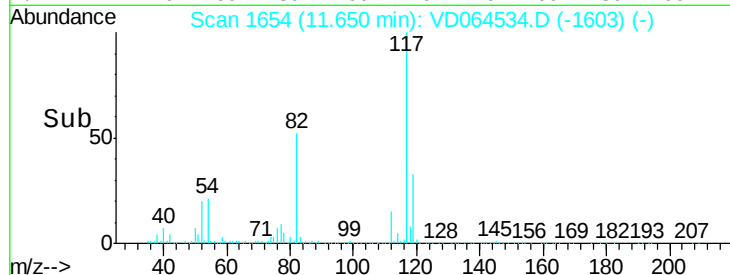
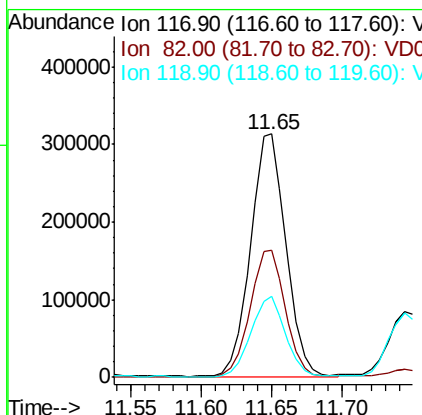
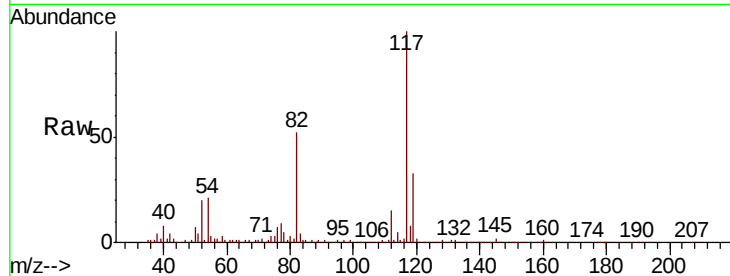
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064534.D
Acq: 16 Dec 2019 20:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.4	41.4	62.2
119	33.2	26.2	39.2

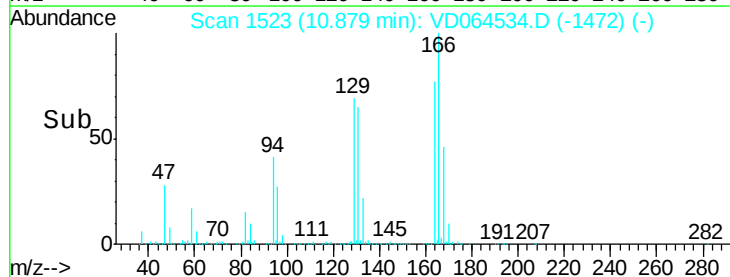
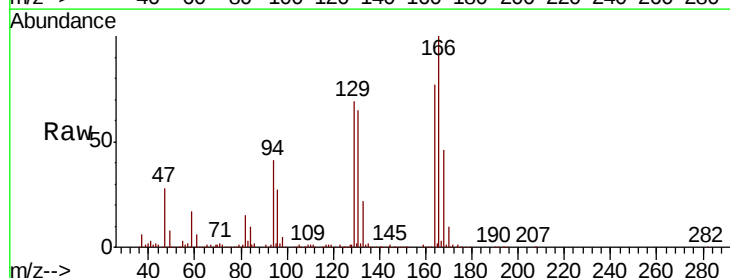
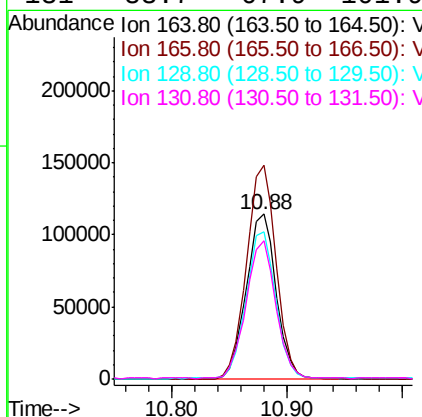
Manual Integrations
APPROVED

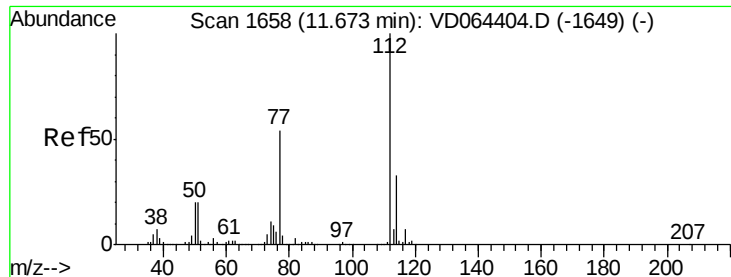
apatel
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#64
Tetrachloroethene
Concen: 49.319 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064534.D
Acq: 16 Dec 2019 20:21

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.3	104.8	157.2
129	88.5	68.7	103.1
131	83.7	67.9	101.9





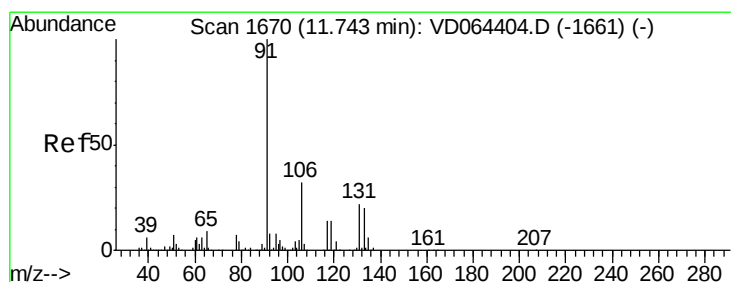
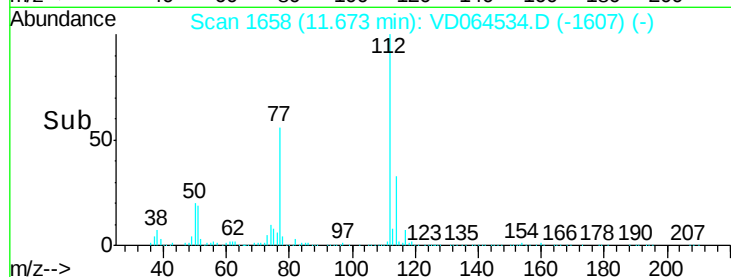
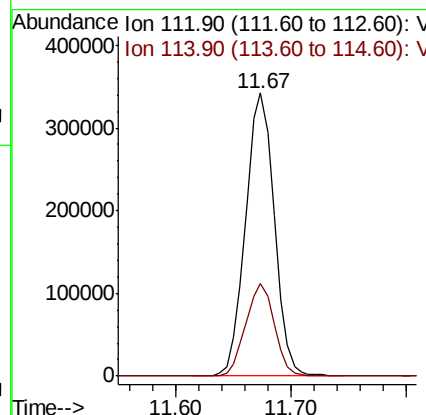
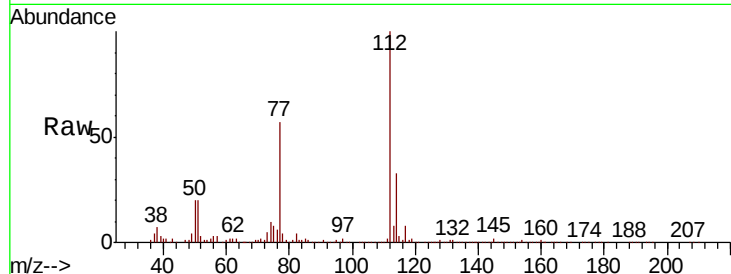
#65
Chlorobenzene
Concen: 51.552 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064534.D
Acq: 16 Dec 2019 20:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.6	26.5	39.7

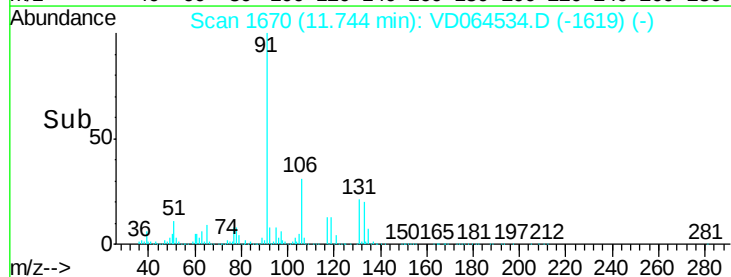
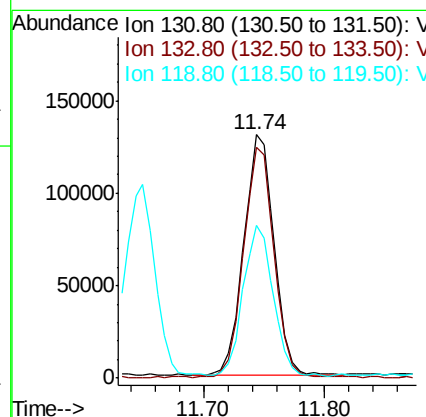
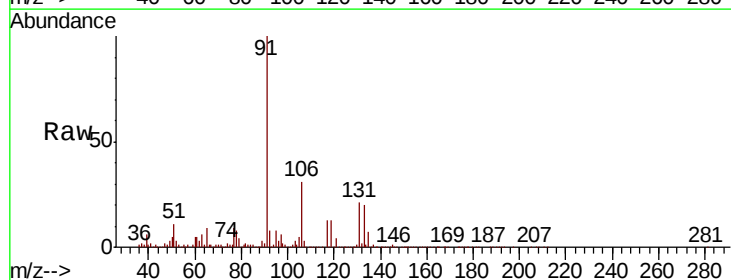
Manual Integrations
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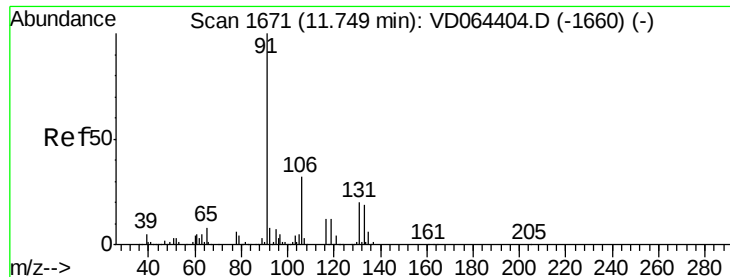
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 53.604 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD064534.D
Acq: 16 Dec 2019 20:21

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.9	48.3	144.9
119	62.1	31.9	95.9





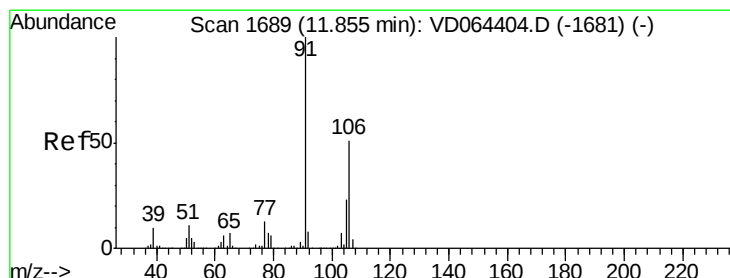
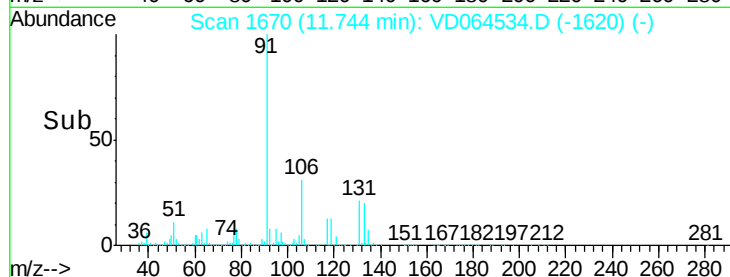
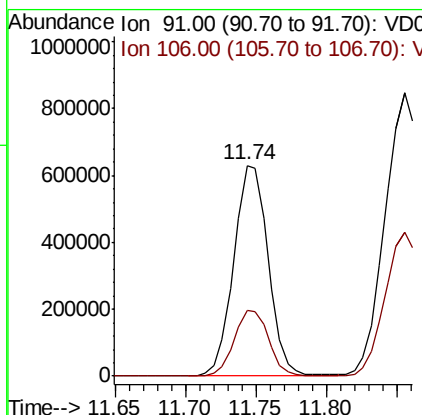
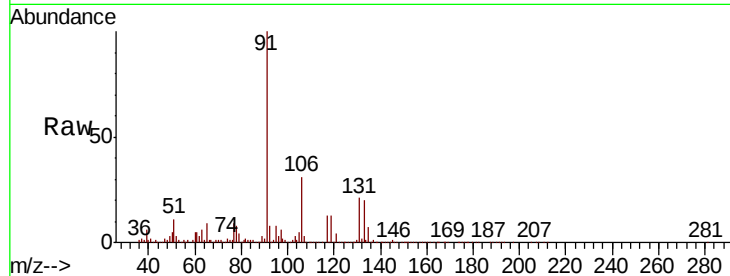
#67
Ethyl Benzene
Concen: 52.108 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD064534.D
Acq: 16 Dec 2019 20:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1065679
Ion Ratio Lower Upper
91 100
106 31.1 25.8 38.8

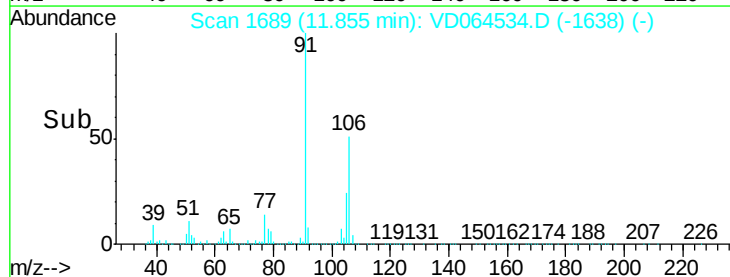
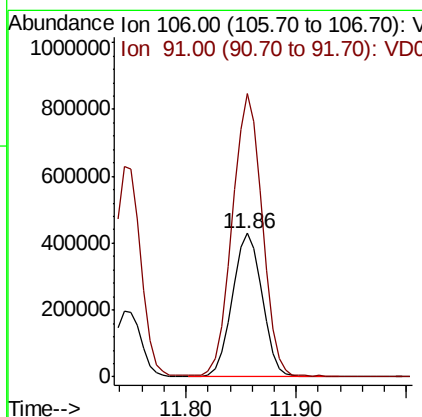
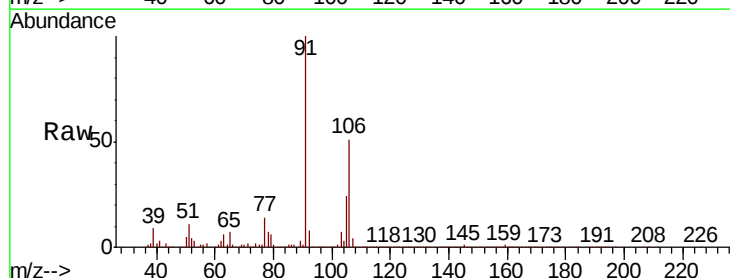
Manual Integrations
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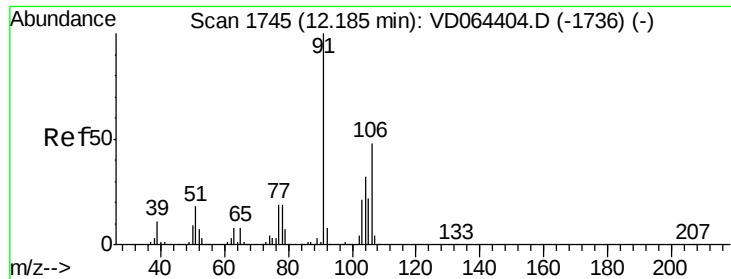
apatel
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#68
m/p-Xylenes
Concen: 104.689 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD064534.D
Acq: 16 Dec 2019 20:21

Tgt Ion: 106 Resp: 816353
Ion Ratio Lower Upper
106 100
91 197.4 157.4 236.2





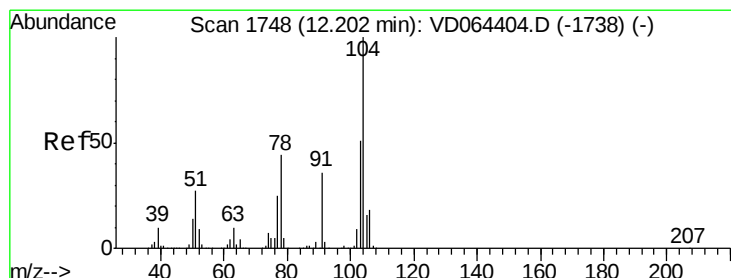
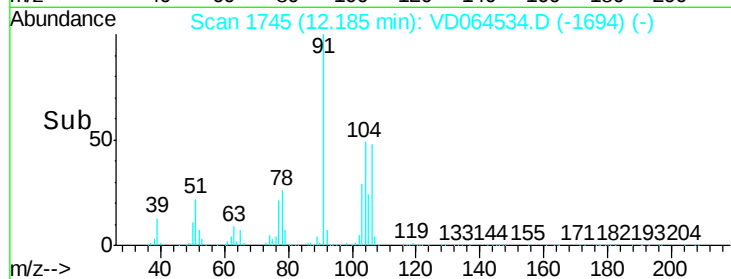
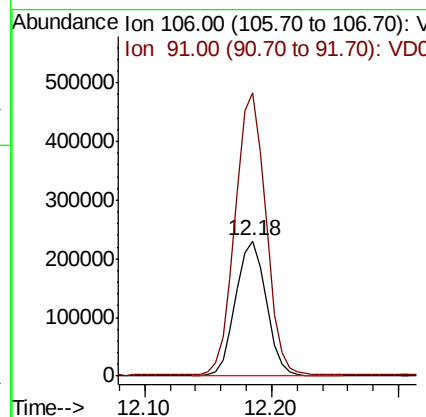
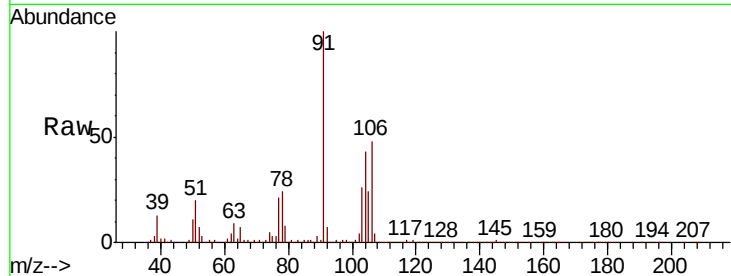
#69
o-Xylene
Concen: 53.413 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064534.D
Acq: 16 Dec 2019 20:21

Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	209.4	103.8	311.4	

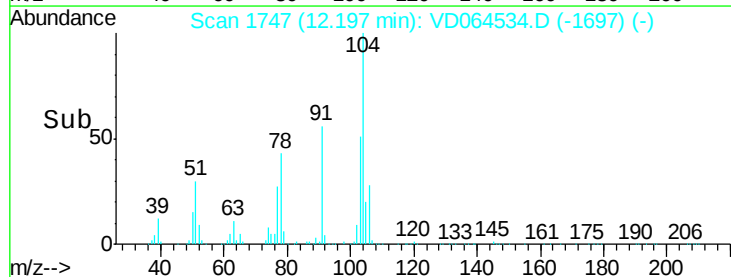
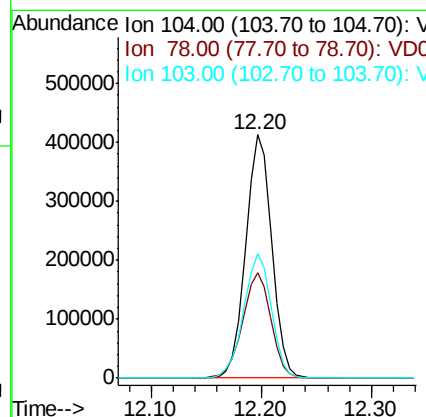
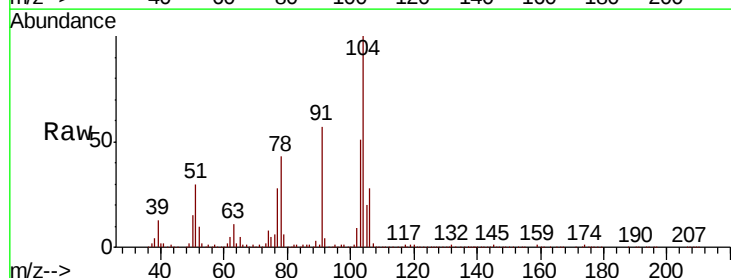
Manual Integrations
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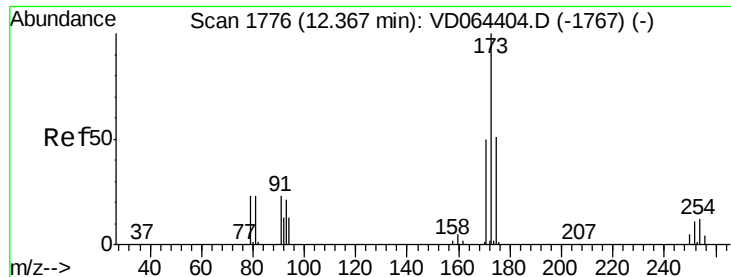
apatel
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#70
Styrene
Concen: 54.731 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD064534.D
Acq: 16 Dec 2019 20:21

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	47.0	38.8	58.2	
103	54.7	44.2	66.4	





#71

Bromoform

Concen: 52.830 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD064534.D

Acq: 16 Dec 2019 20:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 134493

Ion Ratio Lower Upper

173 100

175 48.6 25.3 75.8

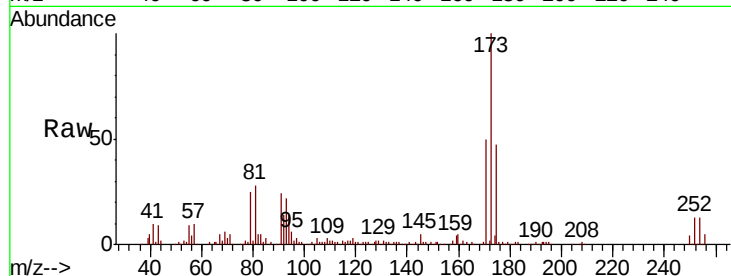
254 0.2 0.0 0.0#

Manual Integrations

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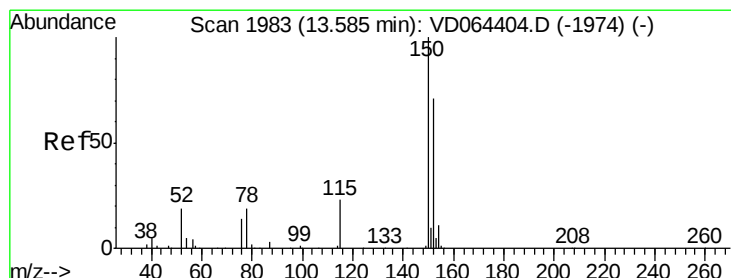
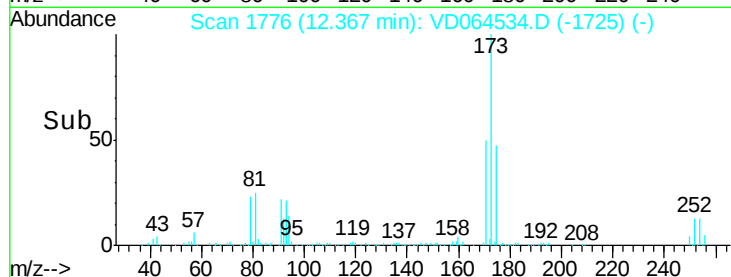
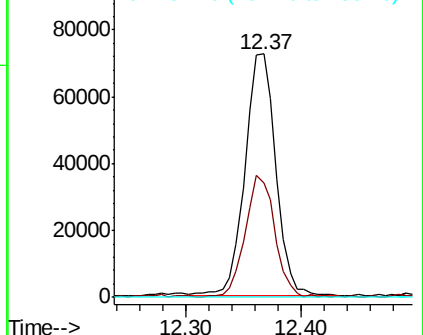
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Abundance Ion 172.70 (172.40 to 173.40): V

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: VD064534.D

Acq: 16 Dec 2019 20:21

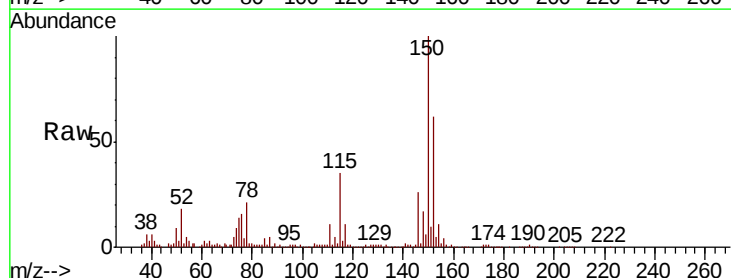
Tgt Ion:152 Resp: 288046

Ion Ratio Lower Upper

152 100

115 59.9 26.7 80.1

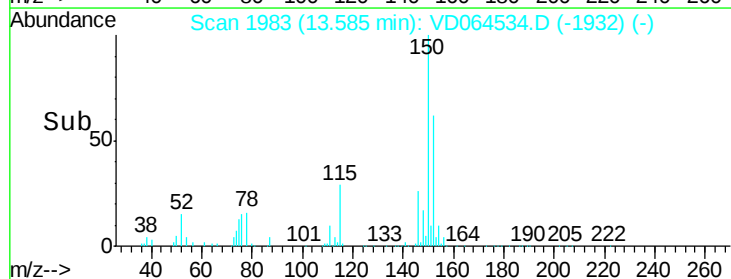
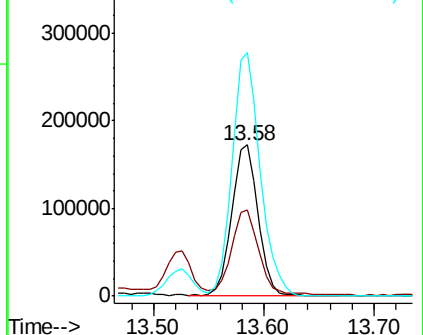
150 172.1 0.0 347.2

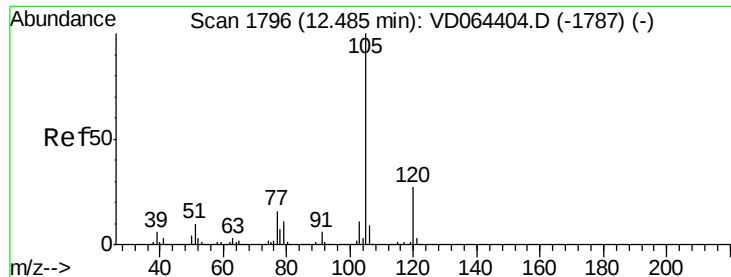


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





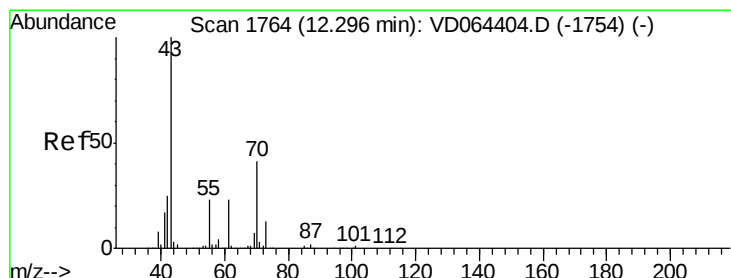
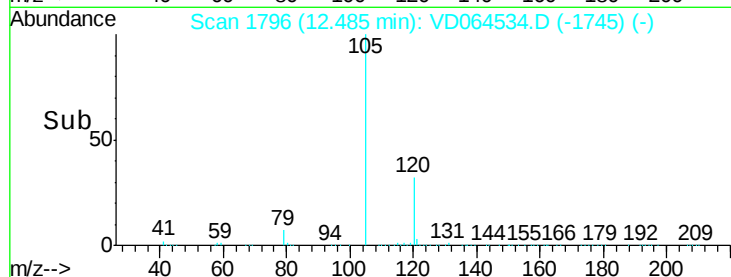
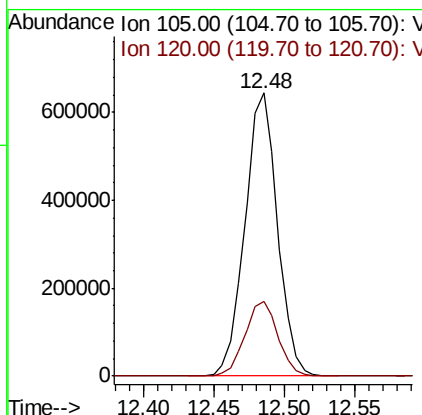
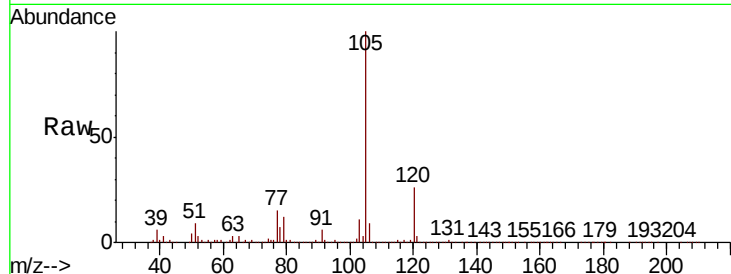
#73
Isopropylbenzene
Concen: 50.068 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD064534.D
Acq: 16 Dec 2019 20:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:105 Resp: 1037241
Ion Ratio Lower Upper
105 100
120 26.7 13.4 40.2

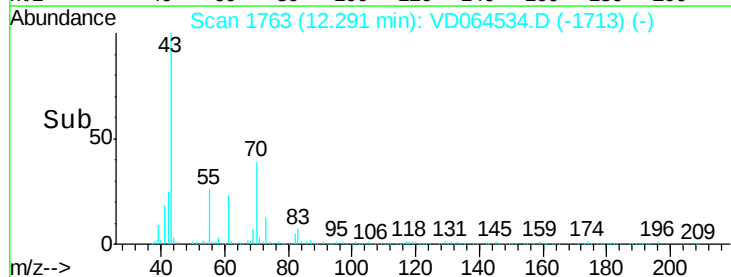
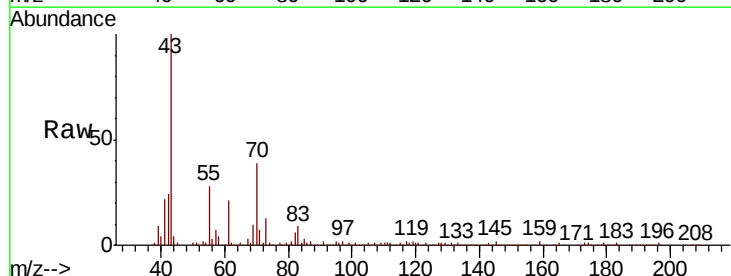
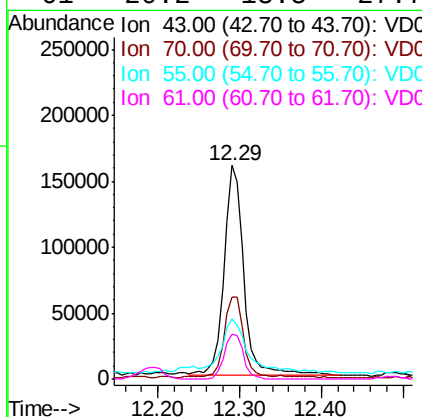
Manual Integrations
APPROVED

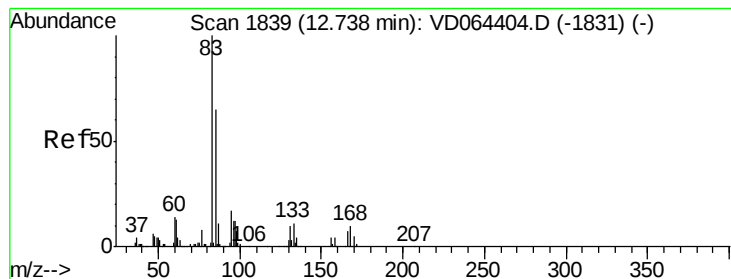
apatel
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#74
N-ethyl acetate
Concen: 57.820 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. -0.01 min
Lab File: VD064534.D
Acq: 16 Dec 2019 20:21

Tgt Ion: 43 Resp: 271864
Ion Ratio Lower Upper
43 100
70 39.3 33.4 50.2
55 28.6 18.9 28.3#
61 20.2 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 48.914 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064534.D

Acq: 16 Dec 2019 20:21

Instrument :

MSVOA_D

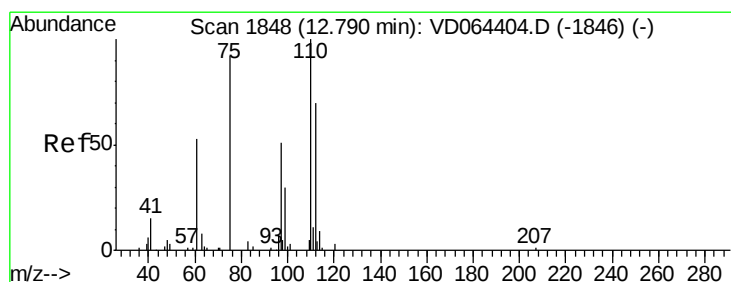
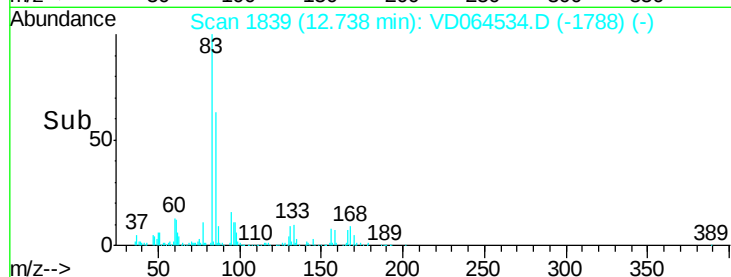
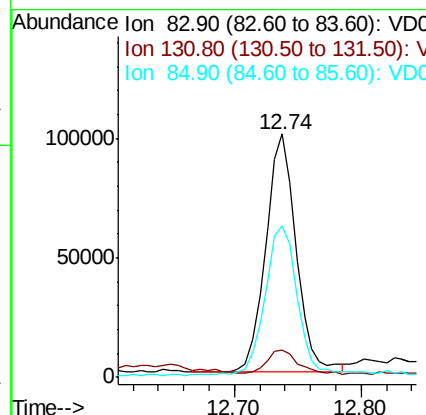
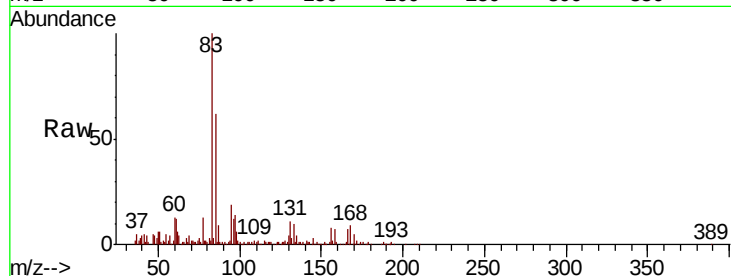
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	167573
Ion	Ratio	Lower	Upper
83	100		
131	10.9	5.7	17.0
85	66.6	31.3	93.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 50.826 ug/l m

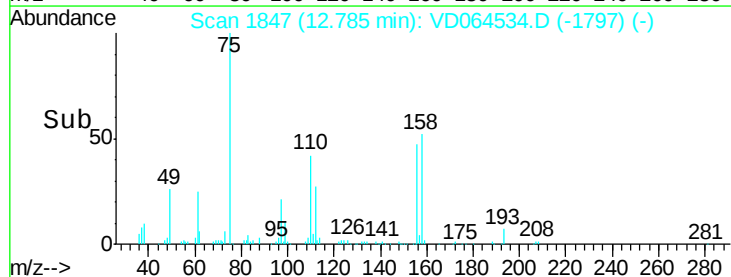
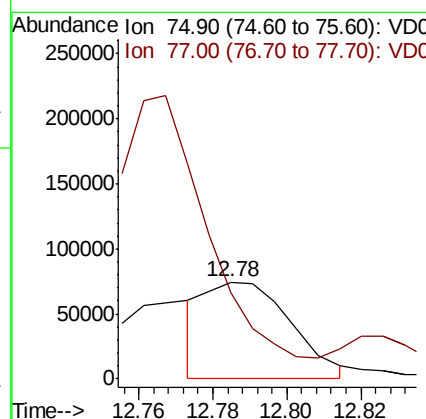
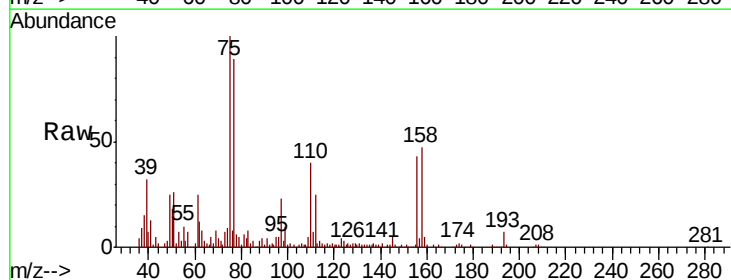
RT: 12.78 min Scan# 1847

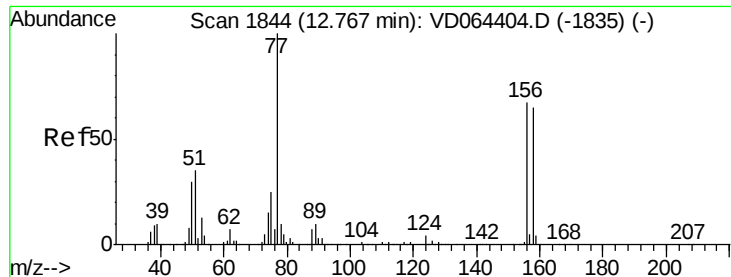
Delta R.T. -0.01 min

Lab File: VD064534.D

Acq: 16 Dec 2019 20:21

Tgt Ion:	75	Resp:	120397
Ion	Ratio	Lower	Upper
75	100		
77	340.4	0.0	0.0#





#77

Bromobenzene

Concen: 51.305 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064534.D

Acq: 16 Dec 2019 20:21

Instrument :

MSVOA_D

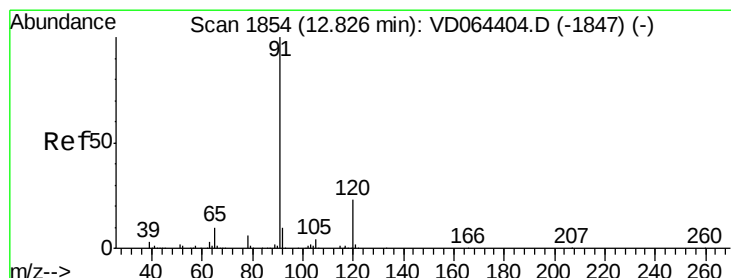
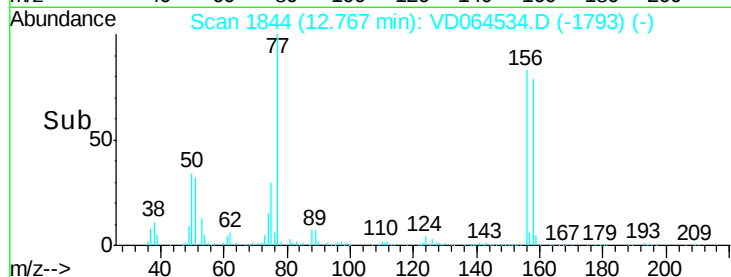
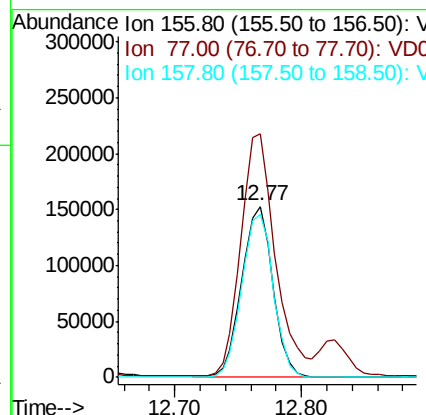
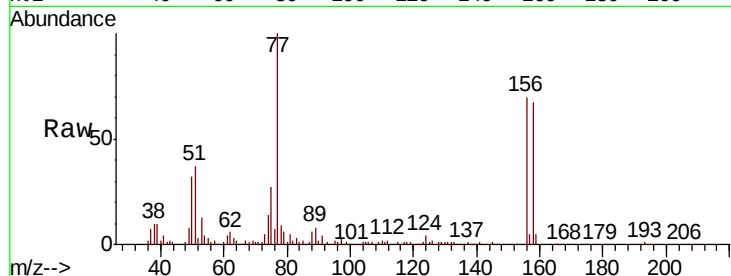
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	262470
Ion Ratio	Lower	Upper	
156	100		
77	156.2	80.0	240.2
158	96.5	48.9	146.6

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#78

n-propylbenzene

Concen: 50.096 ug/l

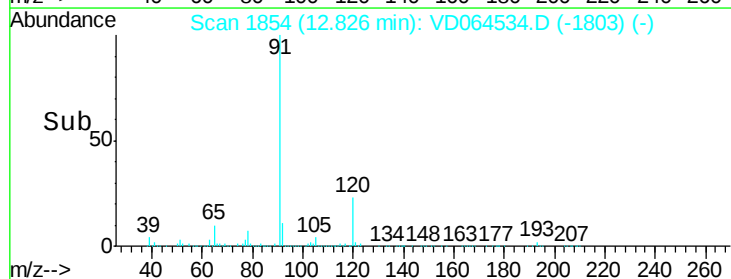
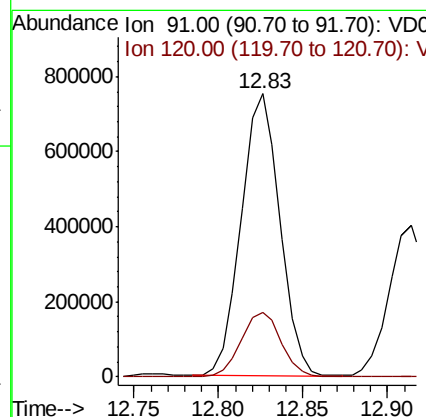
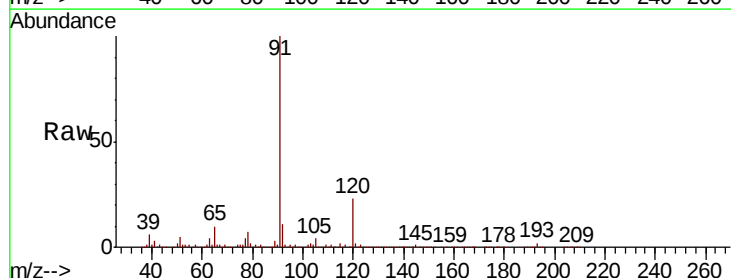
RT: 12.83 min Scan# 1854

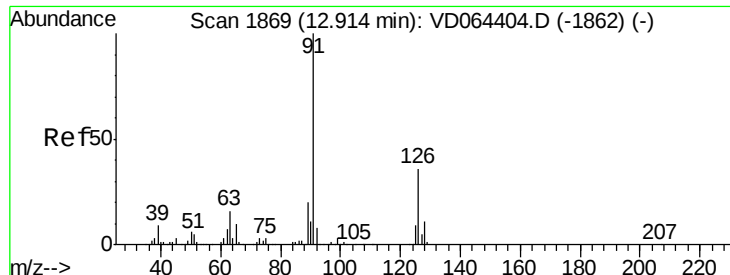
Delta R.T. 0.00 min

Lab File: VD064534.D

Acq: 16 Dec 2019 20:21

Tgt Ion:	91	Resp:	1197438
Ion Ratio	Lower	Upper	
91	100		
120	23.7	11.9	35.9





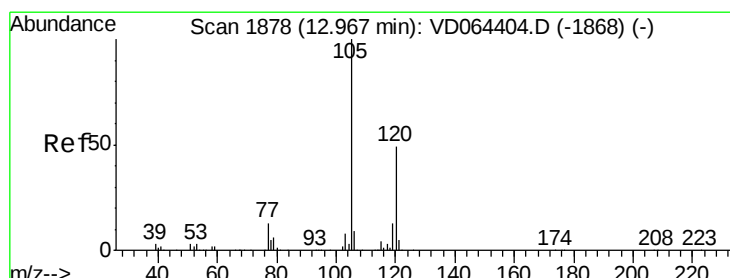
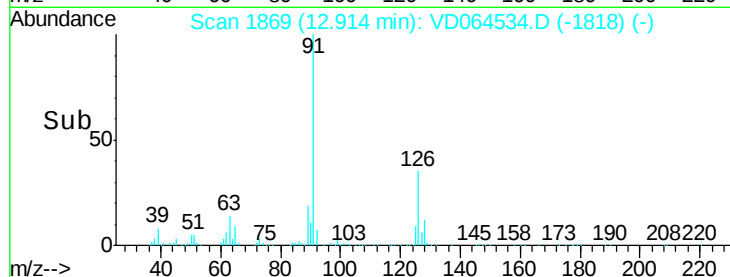
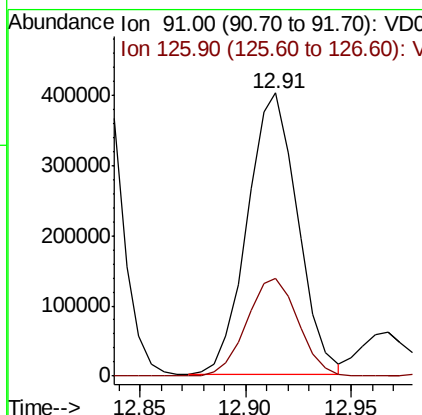
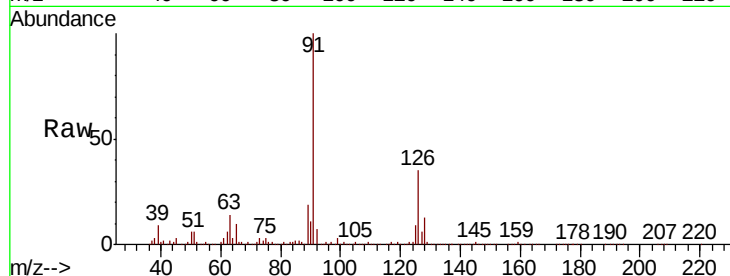
#79
 2-Chlorotoluene
 Concen: 50.289 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD064534.D
 Acq: 16 Dec 2019 20:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 661427
 Ion Ratio Lower Upper
 91 100
 126 35.8 18.0 54.0

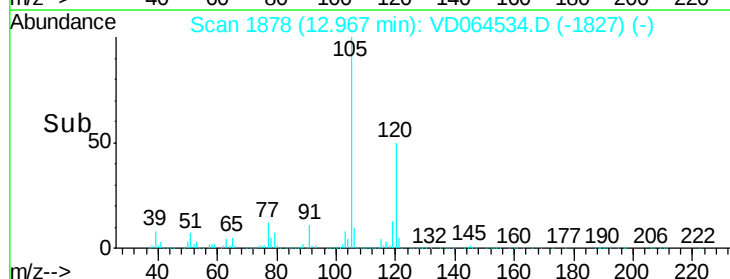
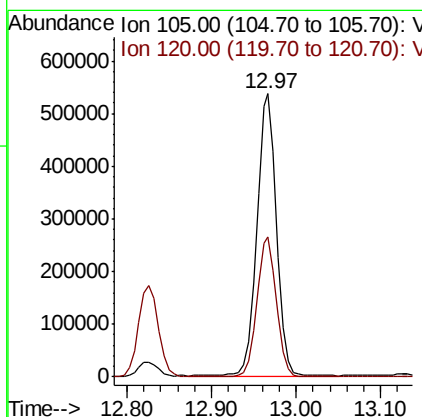
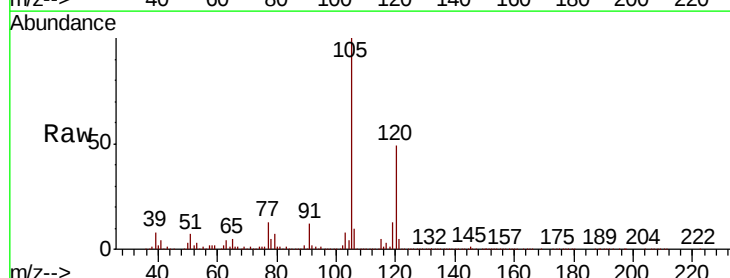
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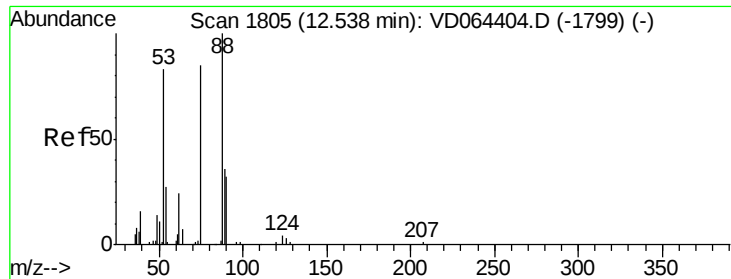
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#80
 1,3,5-Trimethylbenzene
 Concen: 51.602 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD064534.D
 Acq: 16 Dec 2019 20:21

Tgt Ion: 105 Resp: 873593
 Ion Ratio Lower Upper
 105 100
 120 48.5 25.1 75.3





#81

trans-1,4-Dichloro-2-butene

Concen: 48.335 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD064534.D

Acq: 16 Dec 2019 20:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 52508

Ion Ratio Lower Upper

75 100

53 102.6 81.0 121.6

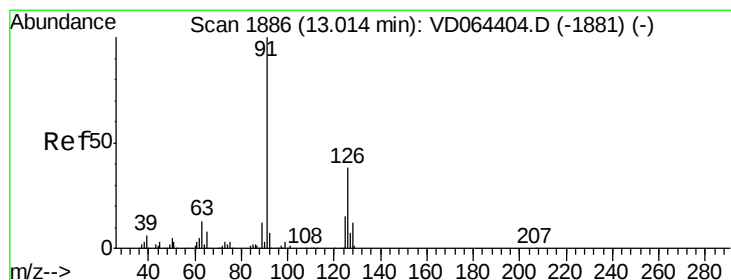
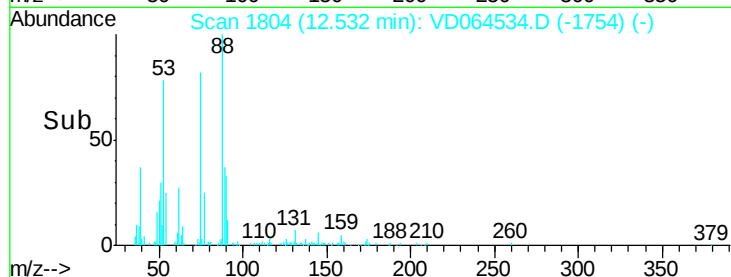
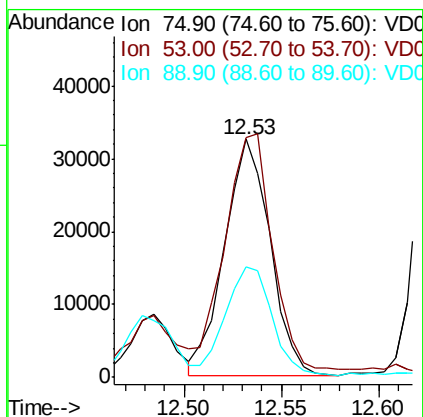
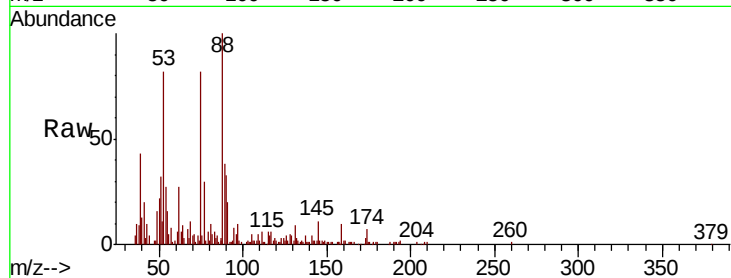
89 46.5 38.5 57.7

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#82

4-Chlorotoluene

Concen: 50.337 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD064534.D

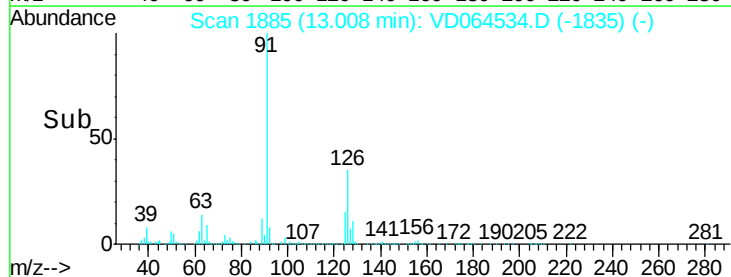
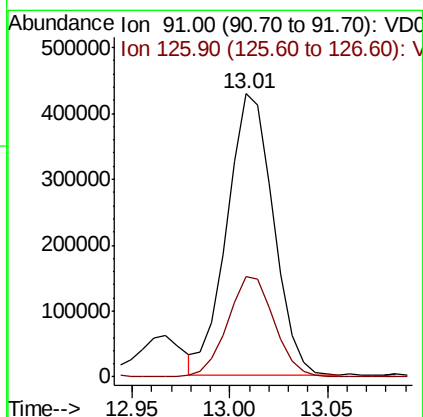
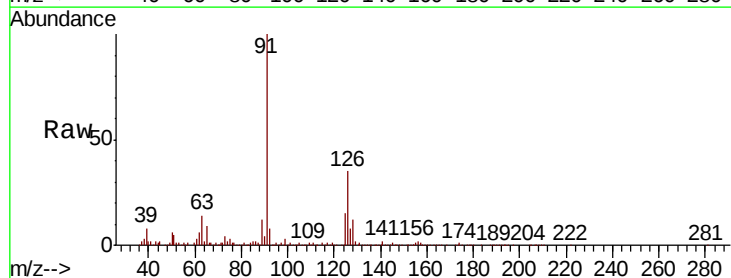
Acq: 16 Dec 2019 20:21

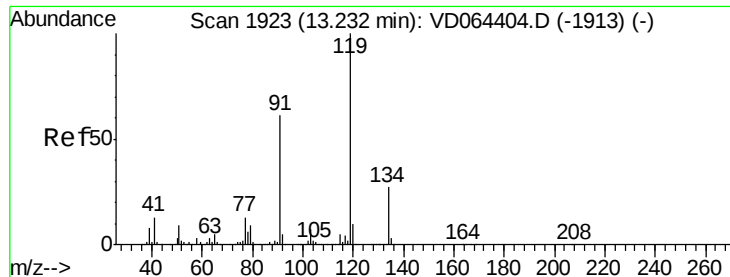
Tgt Ion: 91 Resp: 700973

Ion Ratio Lower Upper

91 100

126 35.7 18.2 54.6





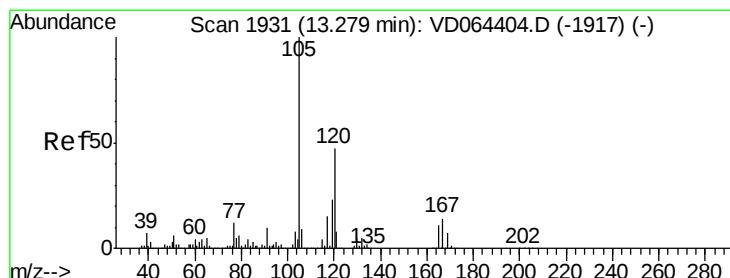
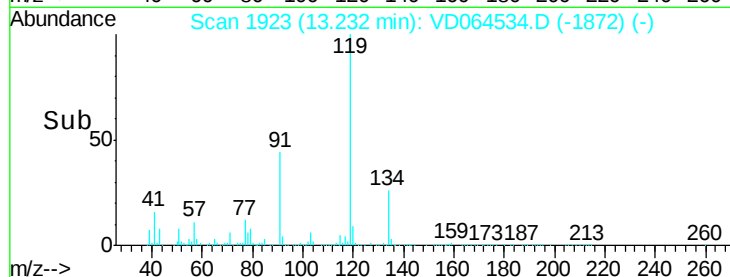
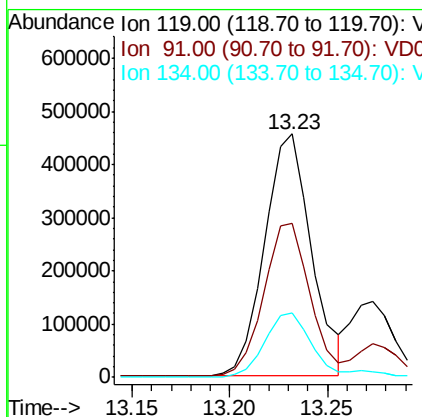
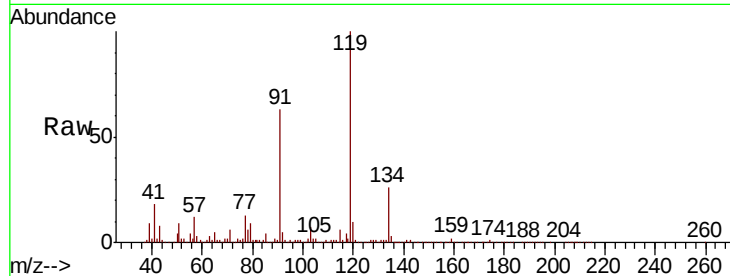
#83
tert-Butylbenzene
Concen: 51.390 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD064534.D
Acq: 16 Dec 2019 20:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.5	31.2	93.6
134	28.3	13.9	41.7

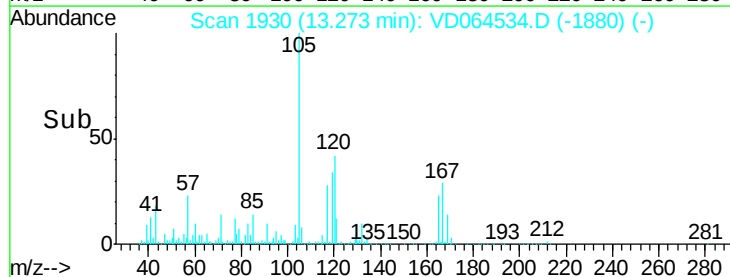
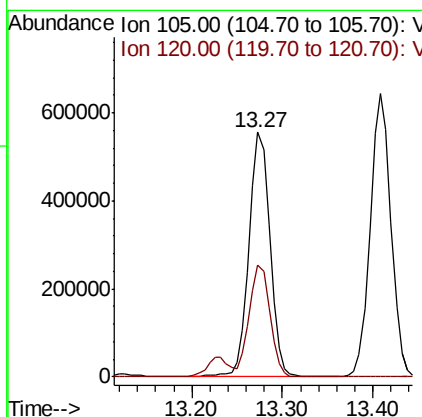
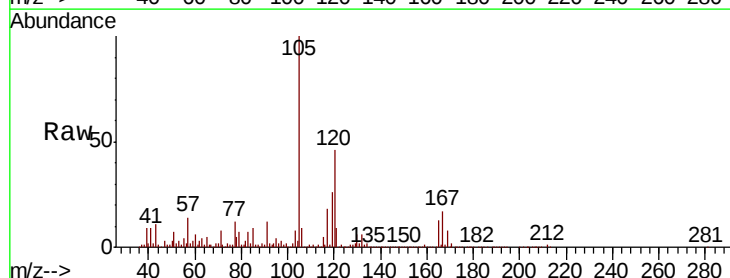
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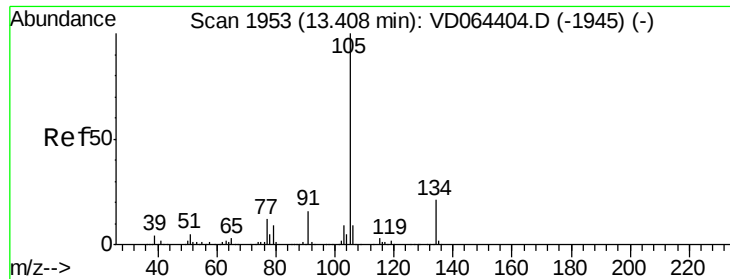
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#84
1,2,4-Trimethylbenzene
Concen: 52.396 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.01 min
Lab File: VD064534.D
Acq: 16 Dec 2019 20:21

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.7	23.6	70.8





#85

sec-Butylbenzene

Concen: 50.550 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064534.D

Acq: 16 Dec 2019 20:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1021122

Ion Ratio Lower Upper

105 100

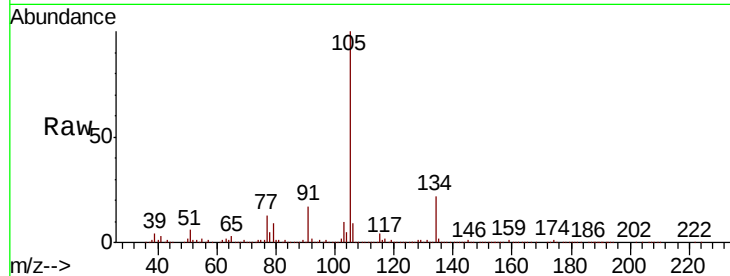
134 21.2 10.5 31.5

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.41

600000

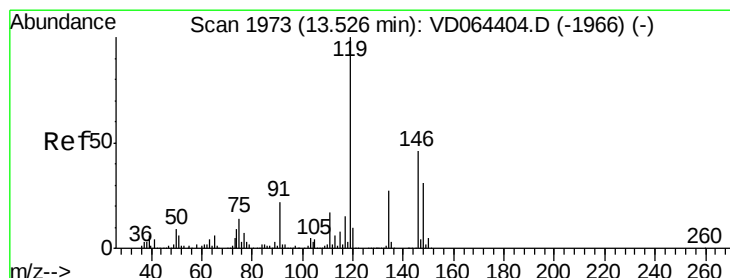
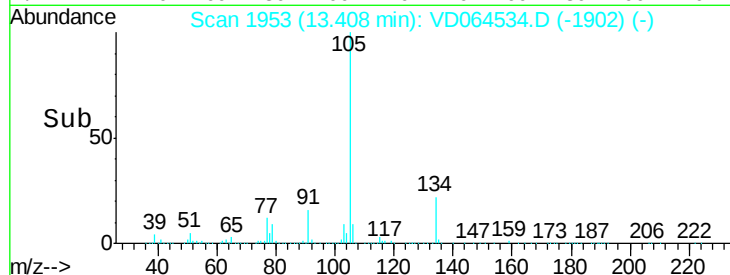
400000

200000

0

13.35 13.40 13.45

Time-->



#86

p-Isopropyltoluene

Concen: 51.655 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD064534.D

Acq: 16 Dec 2019 20:21

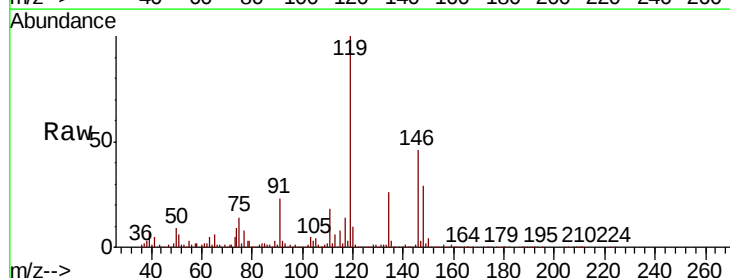
Tgt Ion:119 Resp: 985108

Ion Ratio Lower Upper

119 100

134 26.8 13.5 40.4

91 22.4 11.2 33.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

800000

600000

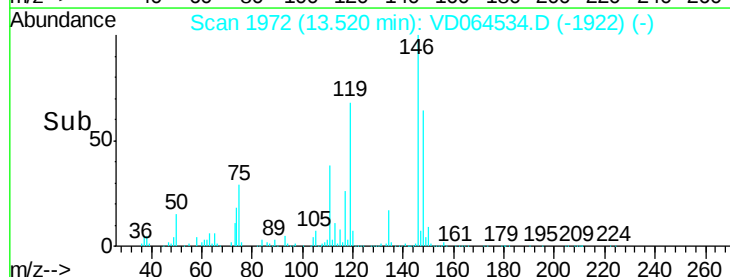
400000

200000

0

13.40 13.50 13.60

Time-->





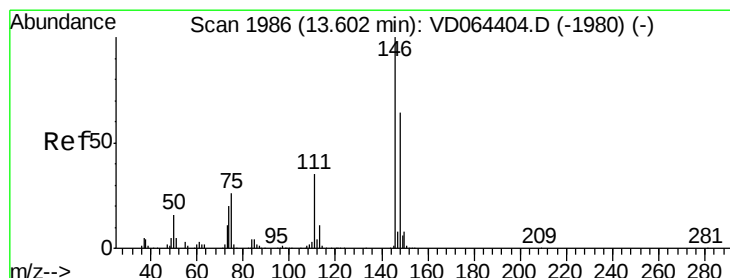
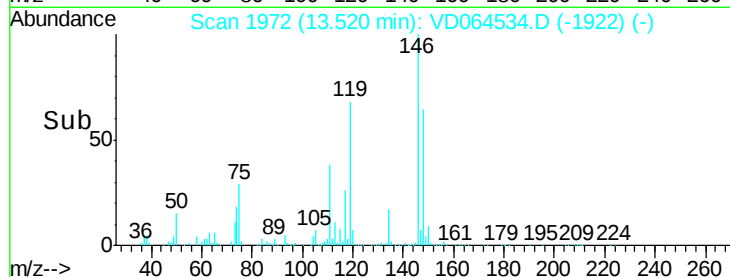
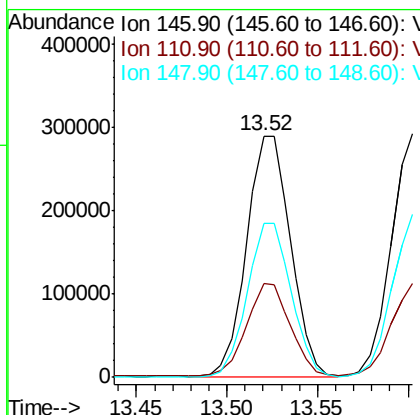
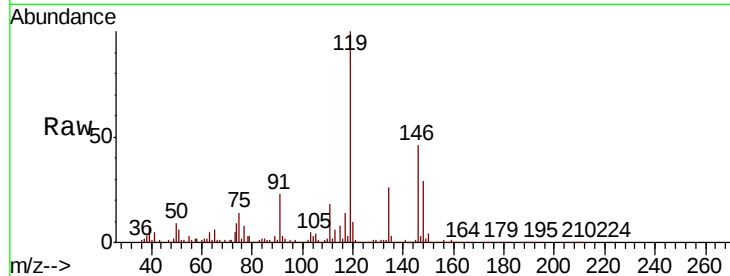
#87
 1,3-Dichlorobenzene
 Concen: 50.239 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD064534.D
 Acq: 16 Dec 2019 20:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.8	56.4
148	64.0	32.6	97.8

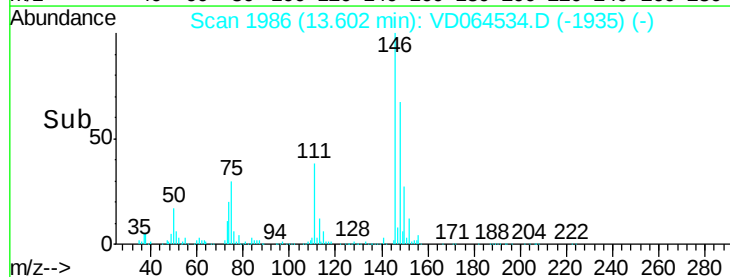
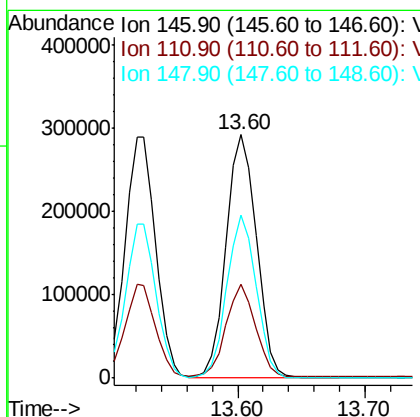
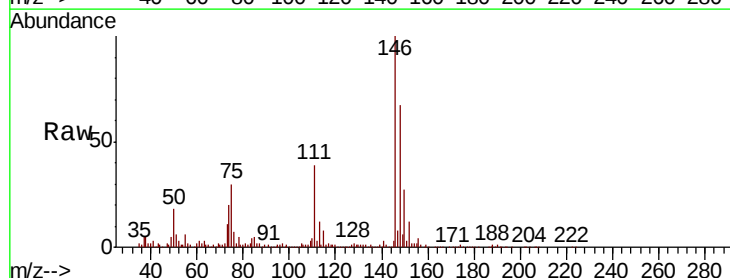
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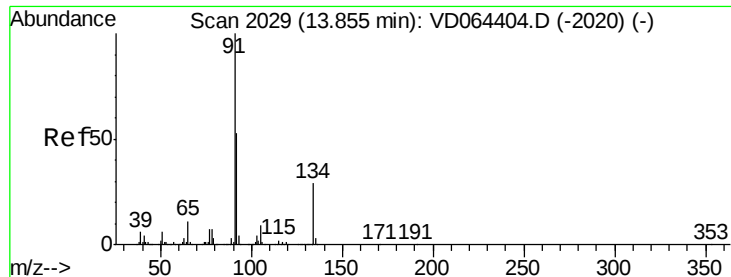
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#88
 1,4-Dichlorobenzene
 Concen: 50.239 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064534.D
 Acq: 16 Dec 2019 20:21

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.2	54.6
148	65.0	31.8	95.4





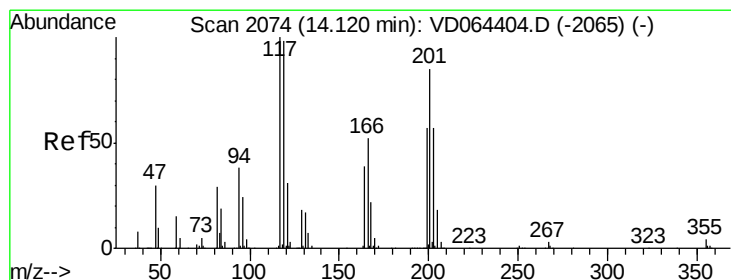
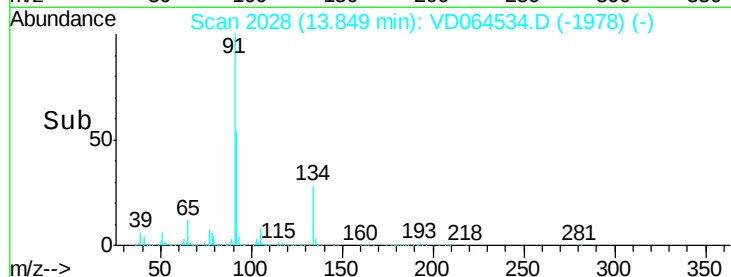
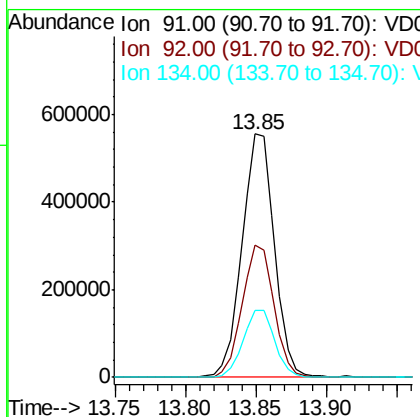
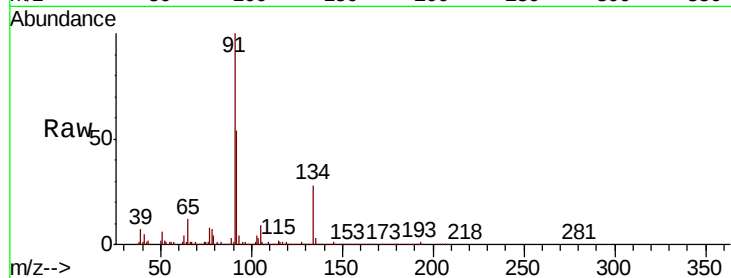
#89
n-Butylbenzene
Concen: 50.934 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.01 min
Lab File: VD064534.D
Acq: 16 Dec 2019 20:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.7	26.5	79.4
134	27.4	13.9	41.7

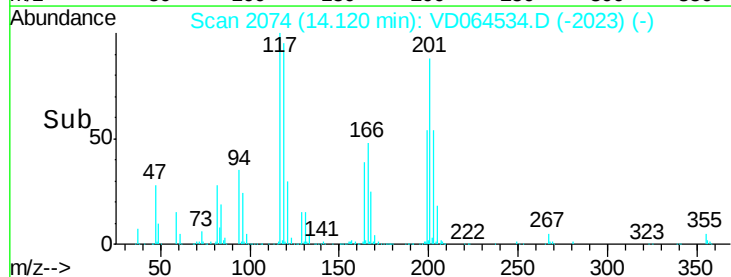
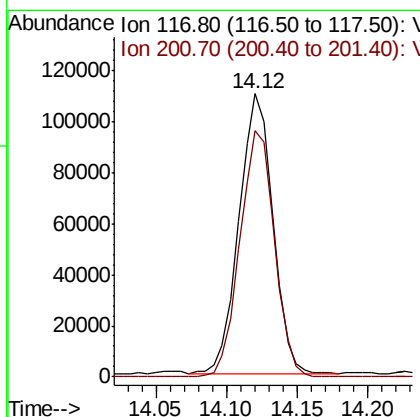
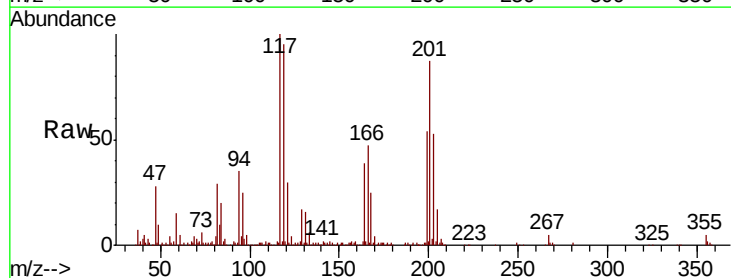
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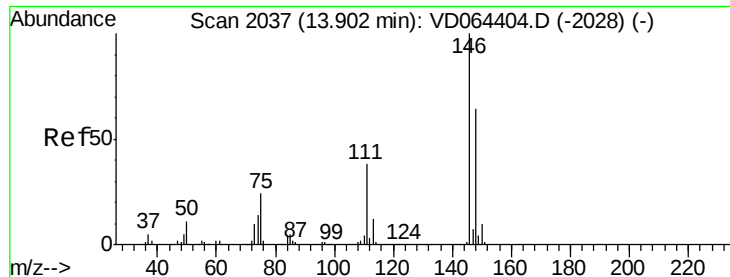
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#90
Hexachloroethane
Concen: 51.689 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064534.D
Acq: 16 Dec 2019 20:21

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.7	44.3	132.8





#91

1,2-Dichlorobenzene

Concen: 51.004 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. -0.01 min

Lab File: VD064534.D

Acq: 16 Dec 2019 20:21

Instrument :

MSVOA_D

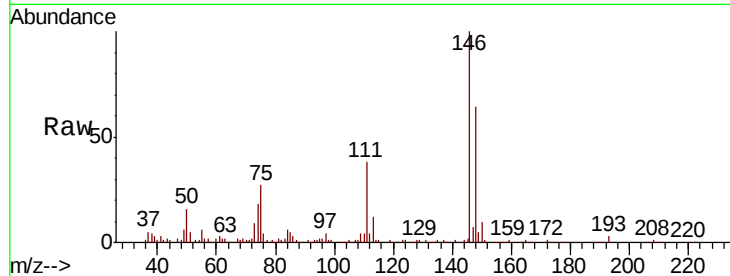
ClientSampleId :

VSTDCCC050EC

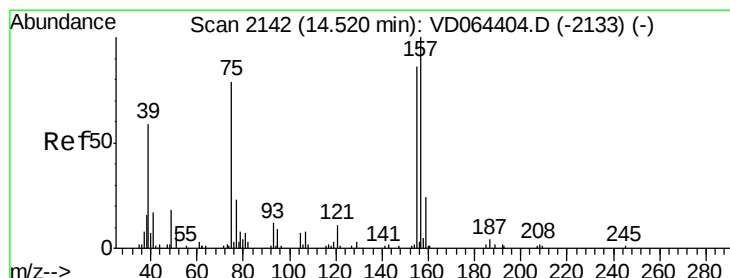
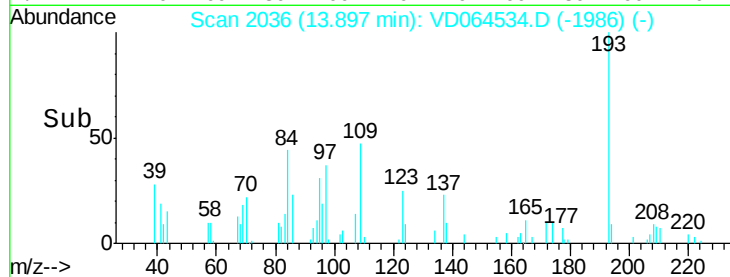
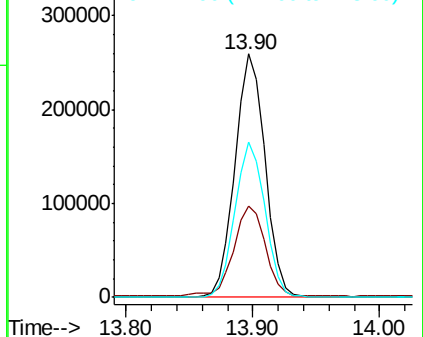
Tot Ion:	146	Resp:	423245
Ion Ratio	Lower	Upper	
146	100		
111	39.4	19.1	57.3
148	64.3	32.0	96.0

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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: 56.257 ug/l

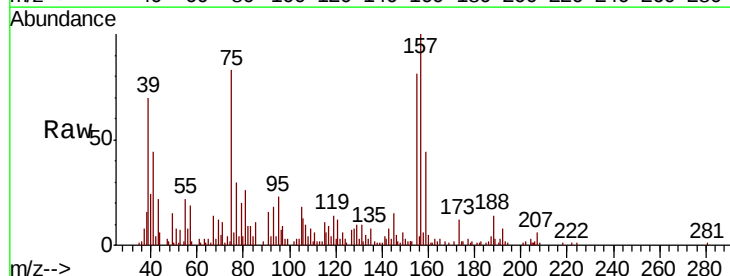
RT: 14.52 min Scan# 2142

Delta R.T. 0.00 min

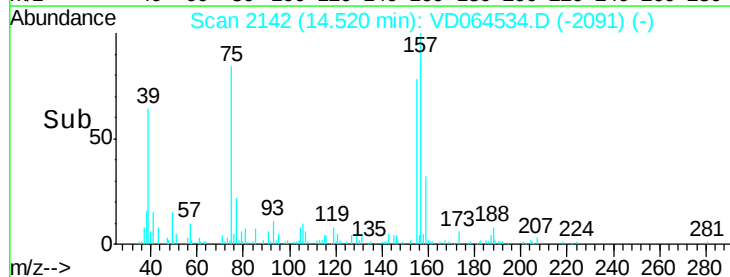
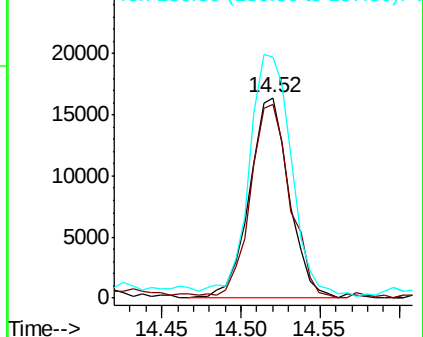
Lab File: VD064534.D

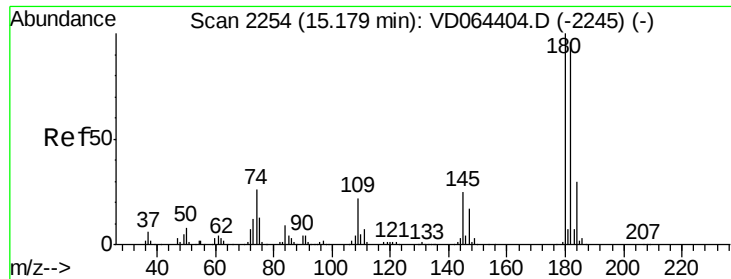
Acq: 16 Dec 2019 20:21

Tgt Ion:	75	Resp:	28517
Ion Ratio	Lower	Upper	
75	100		
155	97.2	51.9	155.7
157	128.3	63.2	189.8



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





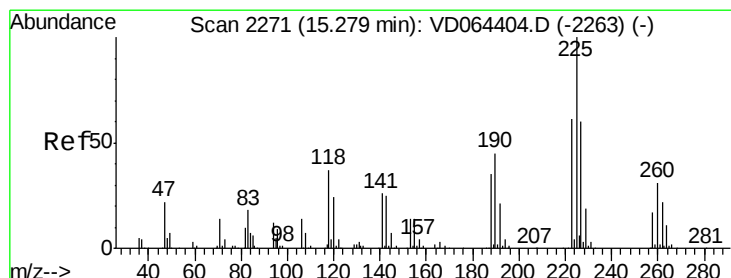
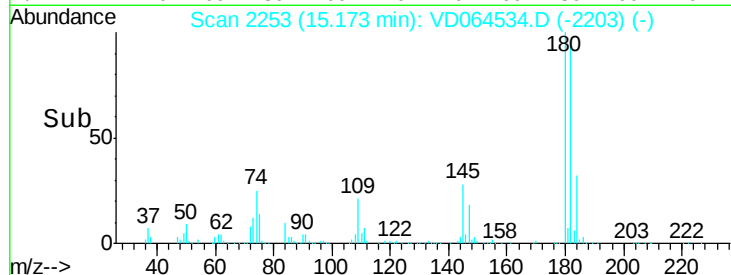
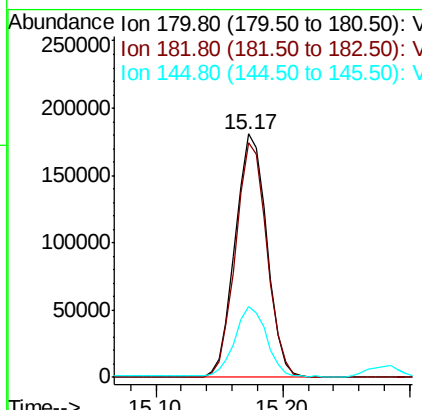
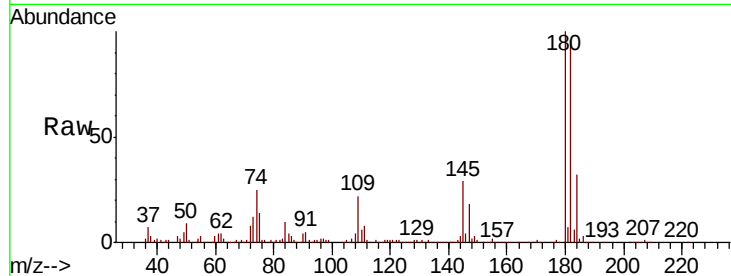
#93
 1,2,4-Trichlorobenzene
 Concen: 49.404 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD064534.D
 Acq: 16 Dec 2019 20:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.1	47.4	142.3	
145	28.8	14.0	41.9	

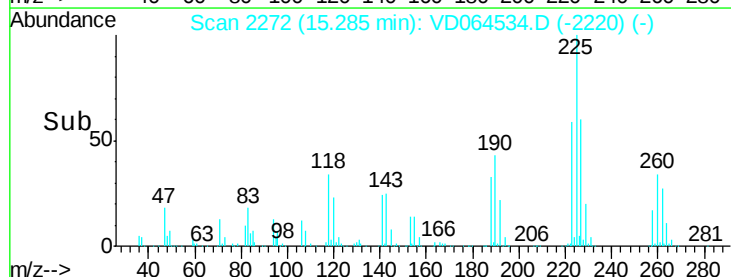
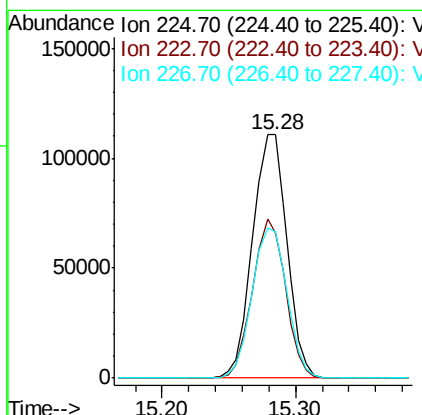
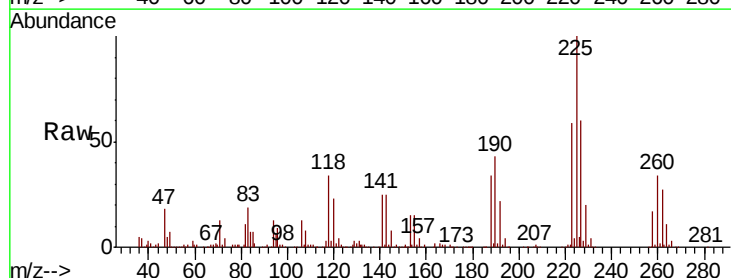
Manual Integrations
 APPROVED

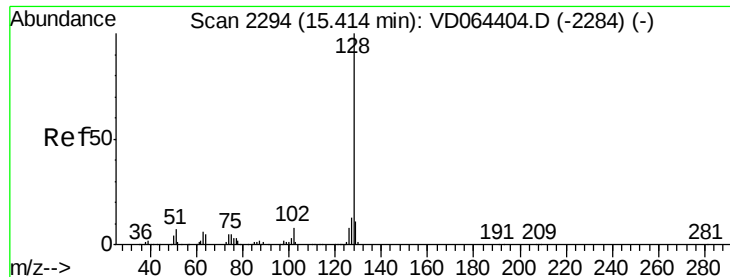
apatel
 12/17/2019 4:49:19 PM



#94
 Hexachlorobutadiene
 Concen: 50.247 ug/l
 RT: 15.28 min Scan# 2272
 Delta R.T. 0.01 min
 Lab File: VD064534.D
 Acq: 16 Dec 2019 20:21

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.5	31.1	93.3	
227	62.8	31.8	95.4	





#95

Naphthalene

Concen: 50.484 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD064534.D

Acq: 16 Dec 2019 20:21

Instrument :

MSVOA_D

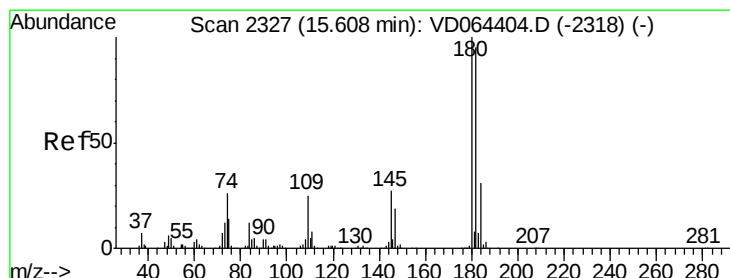
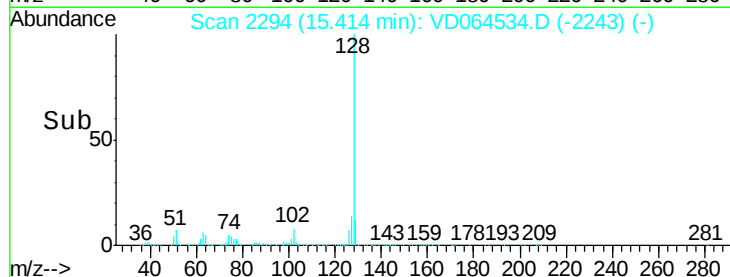
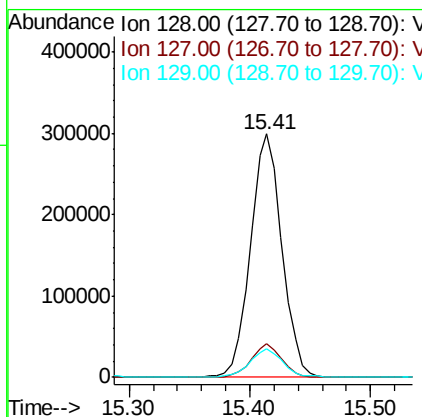
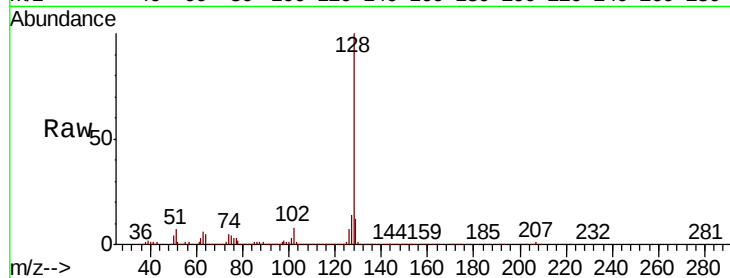
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	535429
Ion Ratio	Lower	Upper	
128	100		
127	13.9	10.5	15.7
129	12.2	8.8	13.2

Manual Integrations
APPROVED

apatel
12/17/2019 4:49:19 PM



#96

1,2,3-Trichlorobenzene

Concen: 50.333 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD064534.D

Acq: 16 Dec 2019 20:21

Tgt Ion:	180	Resp:	273046
Ion Ratio	Lower	Upper	
180	100		
182	94.8	47.6	142.9
145	29.9	14.6	43.8

