

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121319\
 Data File : VD064506.D
 Acq On : 13 Dec 2019 14:42
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
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 12/16/2019 12:15:50 PM

Quant Time: Dec 14 00:11:19 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	7.98	168	422533	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	609828	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	540502	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	274100	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	194535	50.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.72%	
35) Dibromofluoromethane	7.91	113	203614	52.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.98%	
50) Toluene-d8	10.34	98	759960	52.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.02%	
62) 4-Bromofluorobenzene	12.64	95	236380	50.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	185696	48.503	ug/l	98
3) Chloromethane	2.21	50	230753	47.786	ug/l	100
4) Vinyl Chloride	2.35	62	290759	52.150	ug/l	100
5) Bromomethane	2.77	94	193115	46.837	ug/l	97
6) Chloroethane	2.93	64	193175	51.836	ug/l	96
7) Trichlorofluoromethane	3.27	101	504460	54.426	ug/l	97
8) Diethyl Ether	3.70	74	98634	51.210	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.09	101	213832	53.806	ug/l	98
10) Methyl Iodide	4.30	142	236881	56.443	ug/l	99
11) Tert butyl alcohol	5.25	59	51543	211.718	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	197570	51.876	ug/l	97
13) Acrolein	3.93	56	76918	231.636	ug/l	100
14) Allyl chloride	4.71	41	306902	51.635	ug/l	99
15) Acrylonitrile	5.43	53	207408	246.257	ug/l	97
16) Acetone	4.17	43	196140	253.784	ug/l	98
17) Carbon Disulfide	4.40	76	598645	49.630	ug/l	96
18) Methyl Acetate	4.72	43	106582	47.278	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	438390	50.181	ug/l	97
20) Methylene Chloride	4.96	84	213019	54.660	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	225930	52.444	ug/l	98
22) Diisopropyl ether	6.37	45	602898	51.383	ug/l	98
23) Vinyl Acetate	6.31	43	1769107	255.751	ug/l	100
24) 1,1-Dichloroethane	6.27	63	371100	52.591	ug/l	99
25) 2-Butanone	7.22	43	264827	242.296	ug/l	99
26) 2,2-Dichloropropane	7.21	77	341337	55.623	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	246465	52.476	ug/l	99
28) Bromochloromethane	7.55	49	126856	52.604	ug/l	99
29) Tetrahydrofuran	7.57	42	163933	235.744	ug/l	98
30) Chloroform	7.71	83	386263	52.855	ug/l	98
31) Cyclohexane	7.98	56	350533	57.596	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	367947	54.307	ug/l	99
36) 1,1-Dichloropropene	8.11	75	308122	53.418	ug/l	99
37) Ethyl Acetate	7.30	43	117875	48.161	ug/l	100
38) Carbon Tetrachloride	8.10	117	346077	56.847	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	385340	53.855	ug/l	99
40) Benzene	8.35	78	845211	52.758	ug/l	98
41) Methacrylonitrile	7.54	41	62448m	44.491	ug/l	
42) 1,2-Dichloroethane	8.43	62	242719	51.952	ug/l	99
43) Isopropyl Acetate	8.46	43	240941	50.067	ug/l	100
44) Trichloroethene	9.11	130	256345	53.120	ug/l	98
45) 1,2-Dichloropropane	9.39	63	202621	52.884	ug/l	99
46) Dibromomethane	9.48	93	110941	51.303	ug/l	99
47) Bromodichloromethane	9.66	83	300155	54.020	ug/l	96
48) Methyl methacrylate	9.46	41	108606	49.320	ug/l	96
49) 1,4-Dioxane	9.47	88	26742	1001.454	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	589808	247.704	ug/l	99
52) Toluene	10.40	92	556990	53.348	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	279906	52.858	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	337663	53.676	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	152148	51.384	ug/l	98
56) Ethyl methacrylate	10.66	69	188440	49.897	ug/l	98
57) 1,3-Dichloropropane	10.95	76	256417	50.872	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	353581	234.860	ug/l	100
59) 2-Hexanone	10.98	43	405285	245.298	ug/l	100
60) Dibromochloromethane	11.14	129	211340	52.642	ug/l	100
61) 1,2-Dibromoethane	11.25	107	150203	50.805	ug/l	96
64) Tetrachloroethene	10.88	164	217216	52.700	ug/l	96
65) Chlorobenzene	11.67	112	585738	51.959	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	222821	53.394	ug/l	99
67) Ethyl Benzene	11.75	91	1072568	53.475	ug/l	97
68) m/p-Xylenes	11.86	106	820634	107.305	ug/l	99
69) o-Xylene	12.18	106	377032	53.381	ug/l	100
70) Styrene	12.20	104	661605	53.903	ug/l	99
71) Bromoform	12.37	173	127658	51.130	ug/l #	100
73) Isopropylbenzene	12.48	105	1045162	53.017	ug/l	100
74) N-amyl acetate	12.29	43	213599	47.740	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	156306	47.946	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	95946m	42.565	ug/l	
77) Bromobenzene	12.77	156	246182	50.570	ug/l	99
78) n-propylbenzene	12.83	91	1201112	52.806	ug/l	99
79) 2-Chlorotoluene	12.91	91	638918	51.049	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	845307	52.472	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	52987	51.257	ug/l	96
82) 4-Chlorotoluene	13.01	91	681119	51.400	ug/l	100
83) tert-Butylbenzene	13.23	119	738585	52.735	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	841379	51.940	ug/l	99
85) sec-Butylbenzene	13.41	105	1018257	52.973	ug/l	99
86) p-Isopropyltoluene	13.53	119	961121	52.961	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	481045	52.063	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	466165	51.102	ug/l	100
89) n-Butylbenzene	13.85	91	879774	53.384	ug/l	100
90) Hexachloroethane	14.12	117	183958	54.196	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	403764	51.132	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	23541	48.167	ug/l	94

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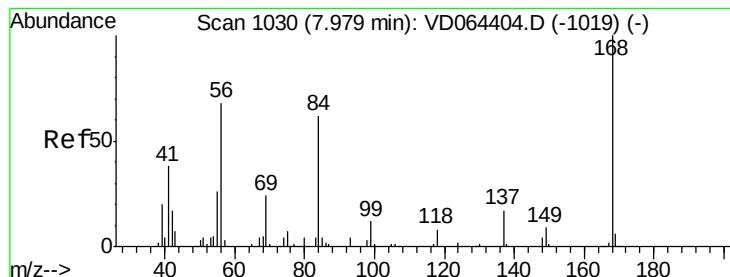
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Fri Nov 29 07:18:03 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	300493	49.689	ug/l	98
94) Hexachlorobutadiene	15.28	225	191678	51.342	ug/l	98
95) Naphthalene	15.41	128	493793	48.927	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	258988	50.170	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD064506.D

Acq: 13 Dec 2019 14:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 422533

Ion Ratio Lower Upper

168 100

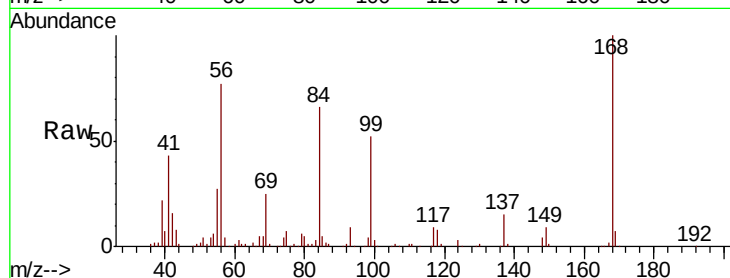
99 51.5 40.7 61.1

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

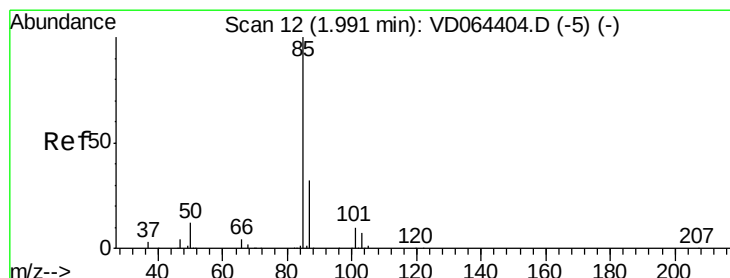
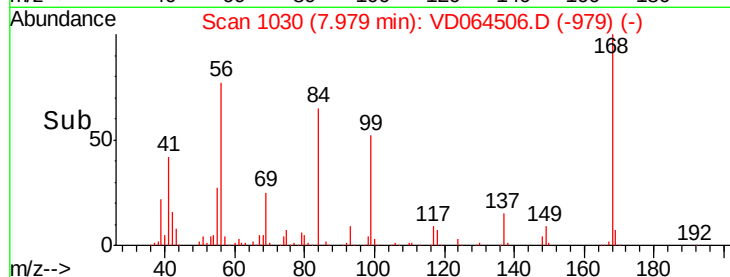
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 48.503 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD064506.D

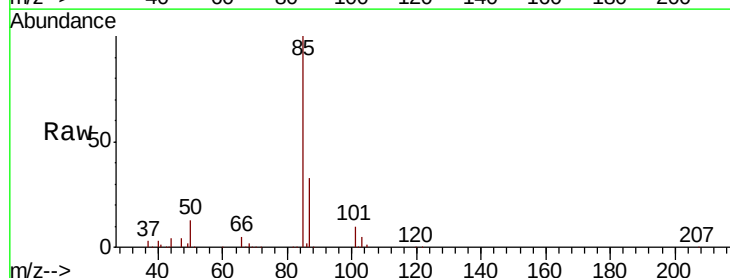
Acq: 13 Dec 2019 14:42

Tgt Ion: 85 Resp: 185696

Ion Ratio Lower Upper

85 100

87 33.2 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

150000

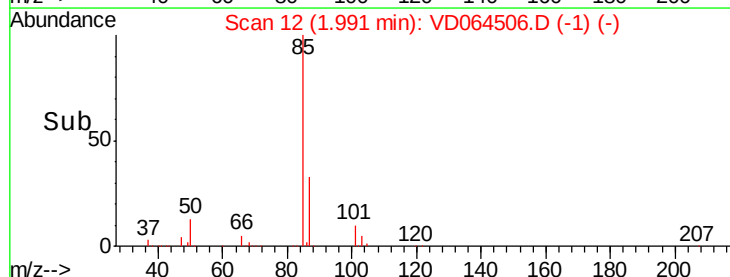
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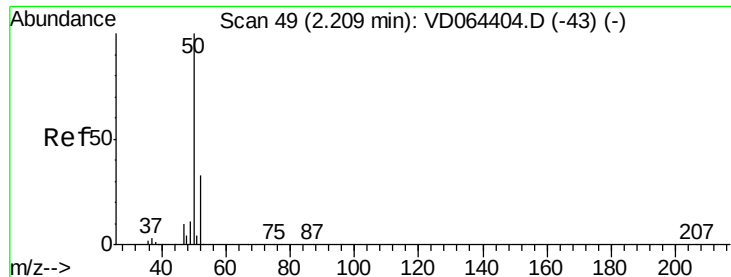
50000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 47.786 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD064506.D

Acq: 13 Dec 2019 14:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 230753

Ion Ratio Lower Upper

50 100

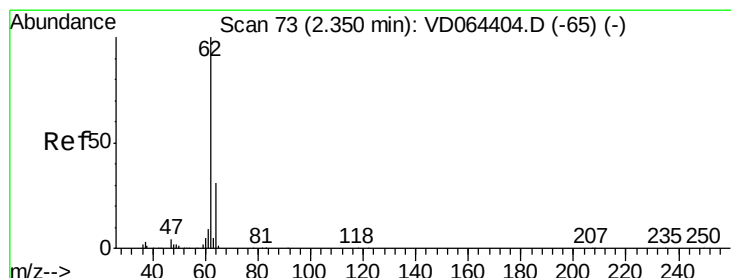
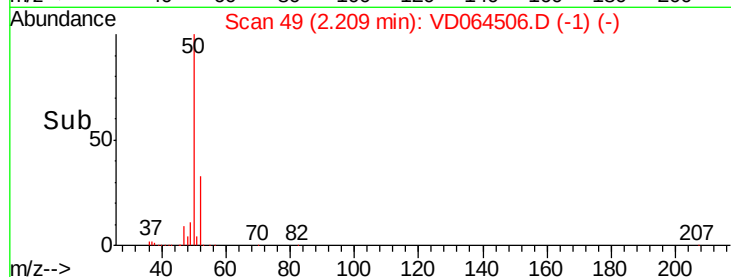
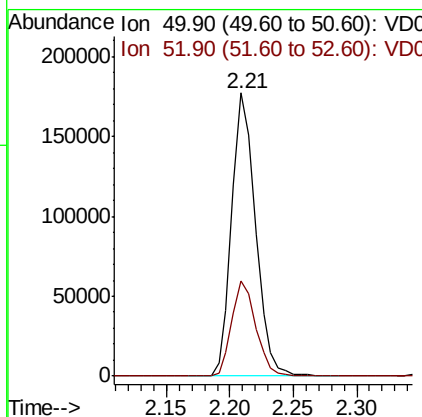
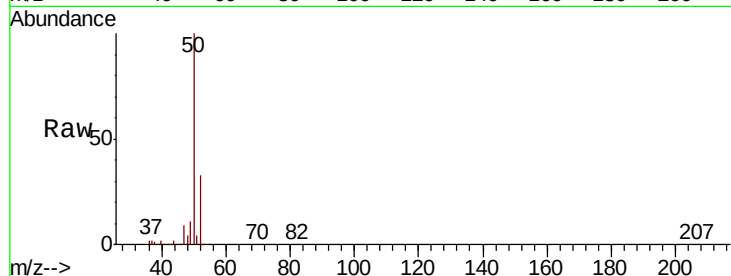
52 33.4 26.7 40.1

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#4

Vinyl Chloride

Concen: 52.150 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD064506.D

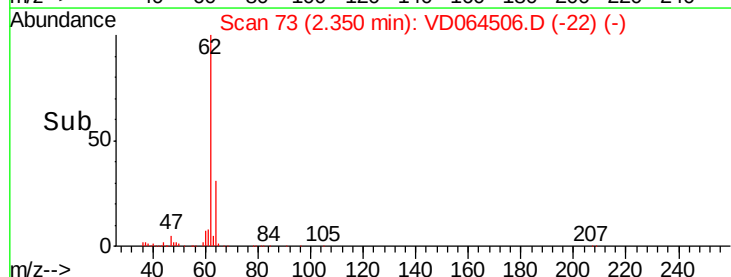
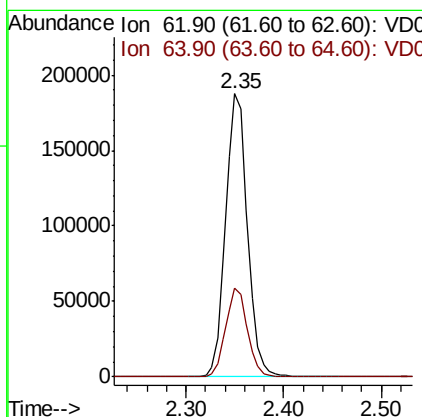
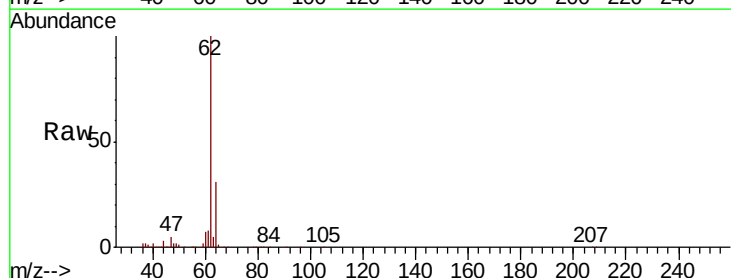
Acq: 13 Dec 2019 14:42

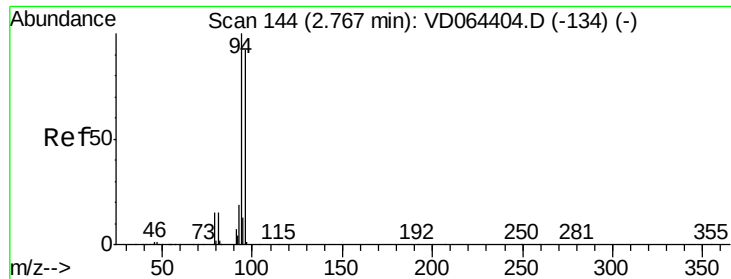
Tgt Ion: 62 Resp: 290759

Ion Ratio Lower Upper

62 100

64 31.2 25.0 37.4





#5

Bromomethane

Concen: 46.837 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD064506.D

Acq: 13 Dec 2019 14:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 193115

Ion Ratio Lower Upper

94 100

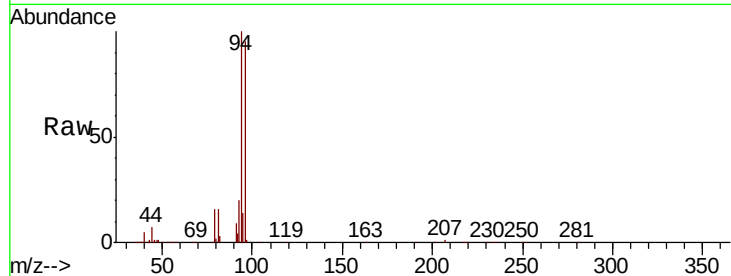
96 94.8 73.6 110.4

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

100000

80000

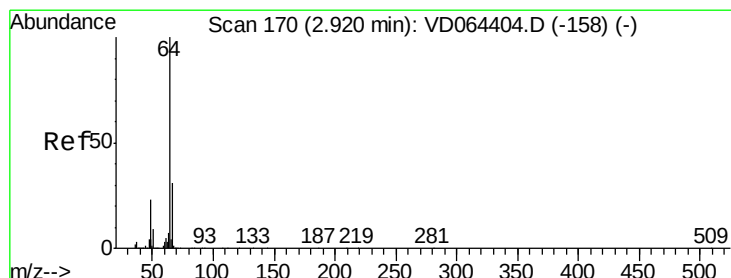
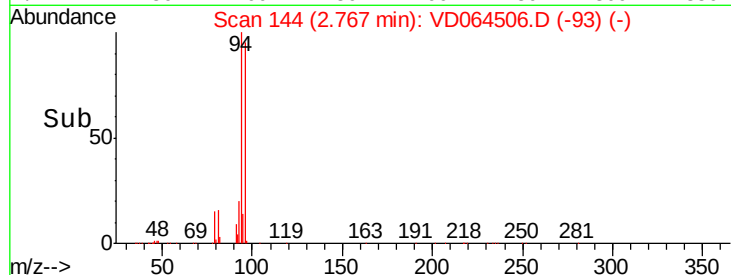
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 51.836 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD064506.D

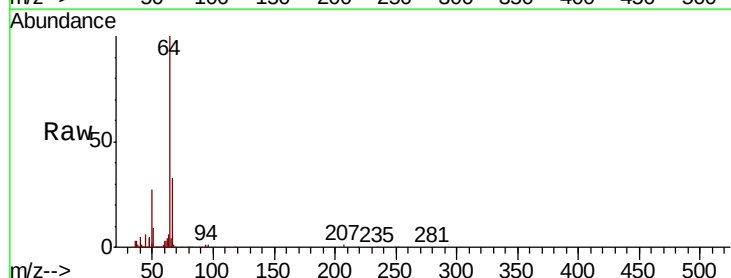
Acq: 13 Dec 2019 14:42

Tgt Ion: 64 Resp: 193175

Ion Ratio Lower Upper

64 100

66 32.8 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.93

100000

80000

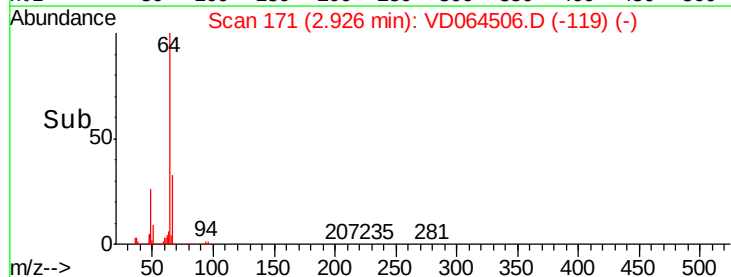
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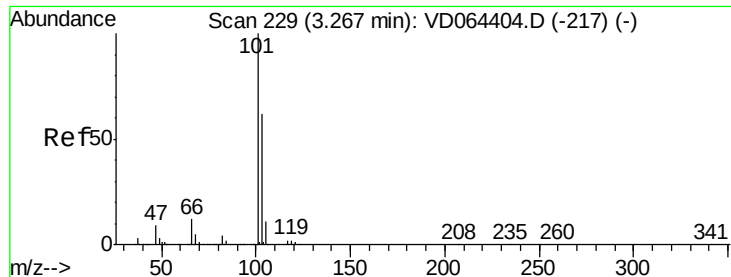
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20000

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Time-->





#7

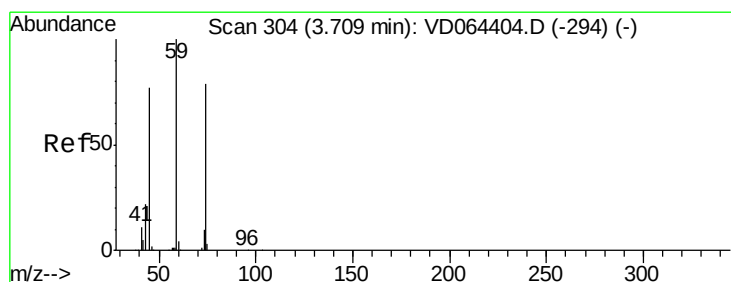
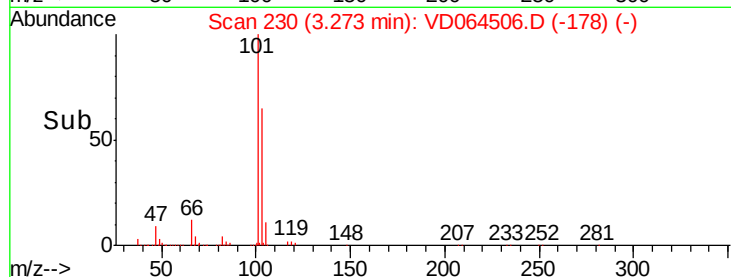
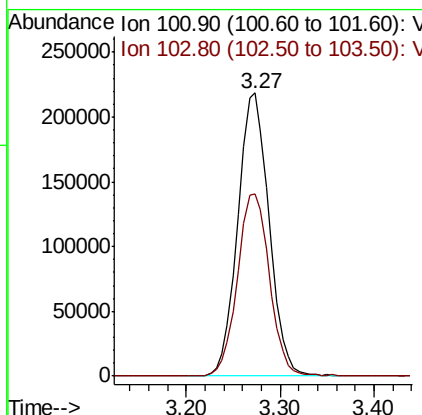
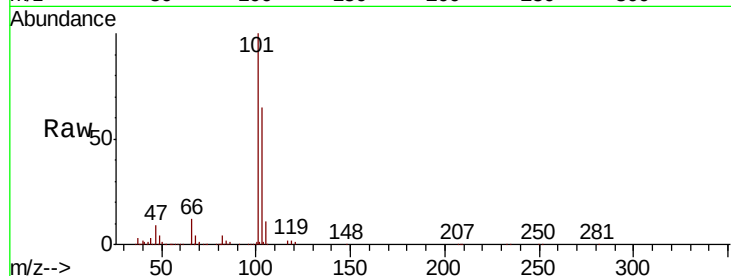
Trichlorofluoromethane
 Concen: 54.426 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.01 min
 Lab File: VD064506.D
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 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	49.8	74.6

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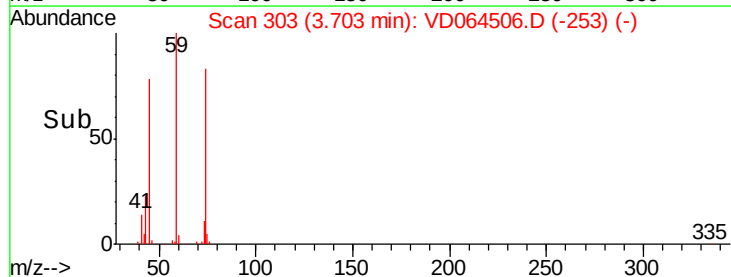
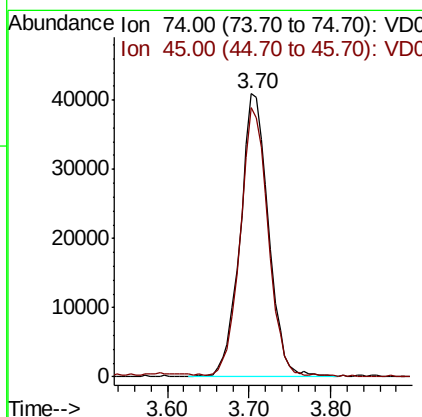
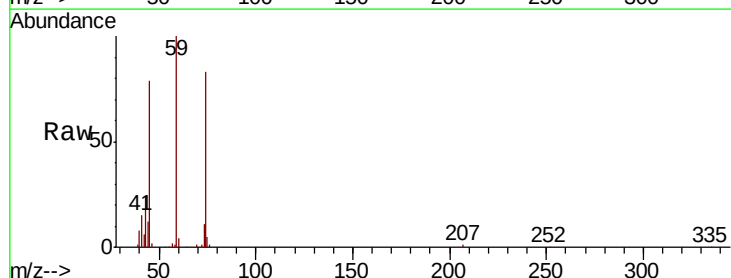
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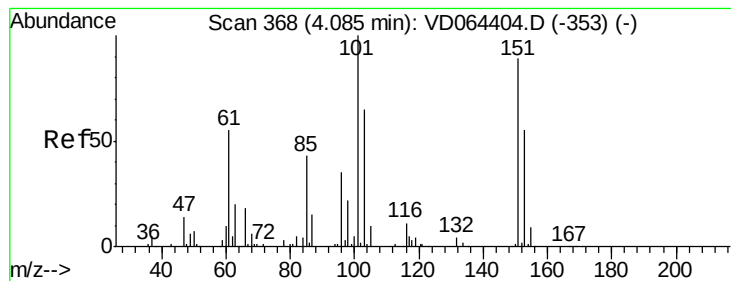


#8

Diethyl Ether
 Concen: 51.210 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD064506.D
 Acq: 13 Dec 2019 14:42

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.2	48.6	145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.806 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064506.D

Acq: 13 Dec 2019 14:42

Instrument :

MSVOA_D

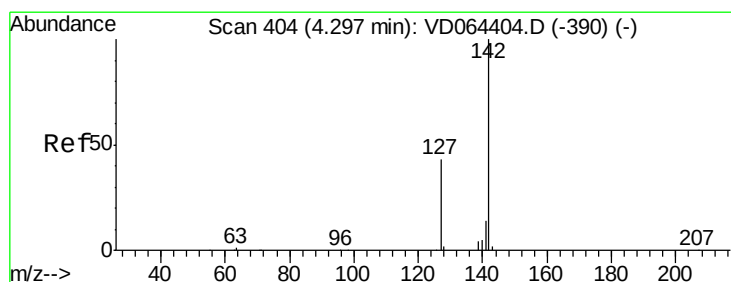
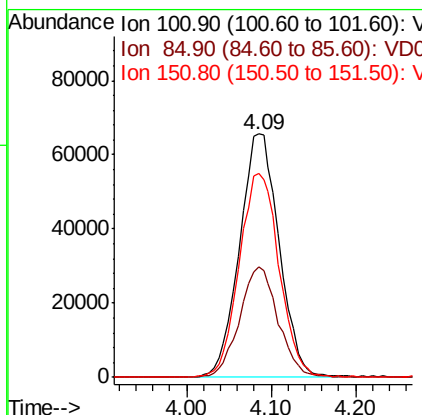
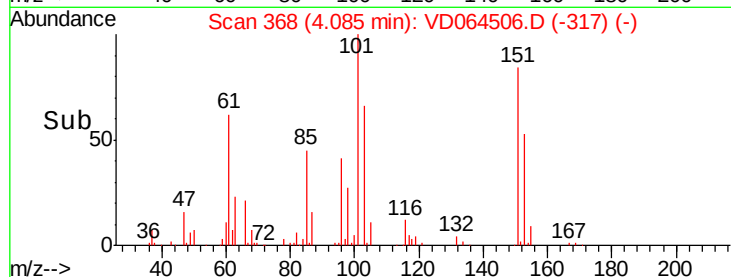
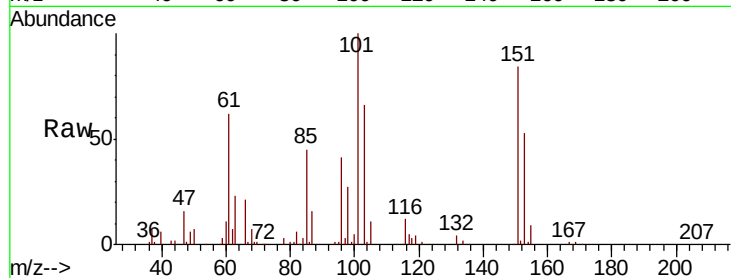
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	213832
Ion Ratio	Lower	Upper	
101	100		
85	44.1	34.8	52.2
151	84.3	68.8	103.2

Manual Integrations
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#10

Methyl Iodide

Concen: 56.443 ug/l

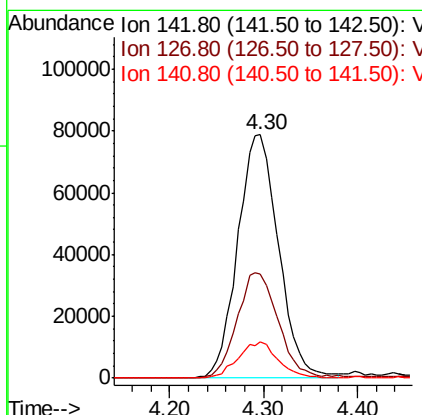
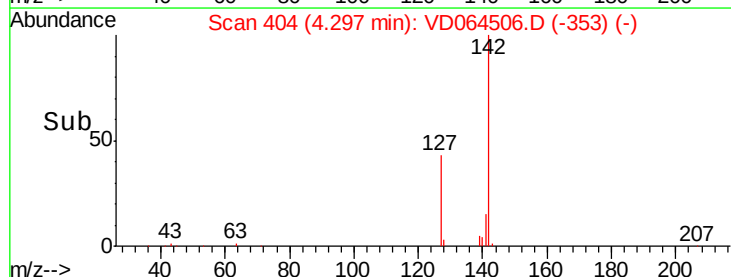
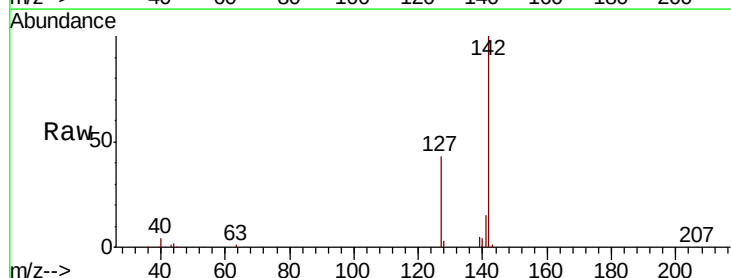
RT: 4.30 min Scan# 404

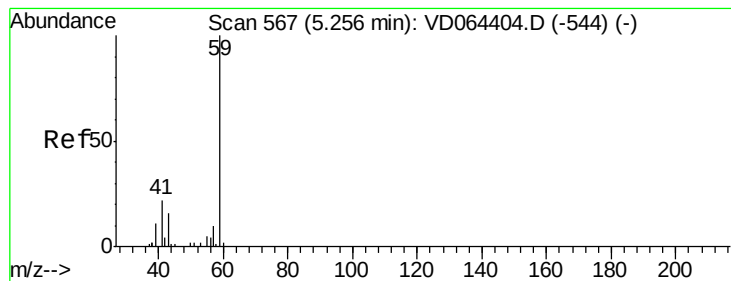
Delta R.T. 0.00 min

Lab File: VD064506.D

Acq: 13 Dec 2019 14:42

Tgt Ion:	142	Resp:	236881
Ion Ratio	Lower	Upper	
142	100		
127	43.6	35.3	52.9
141	14.6	11.6	17.4





#11

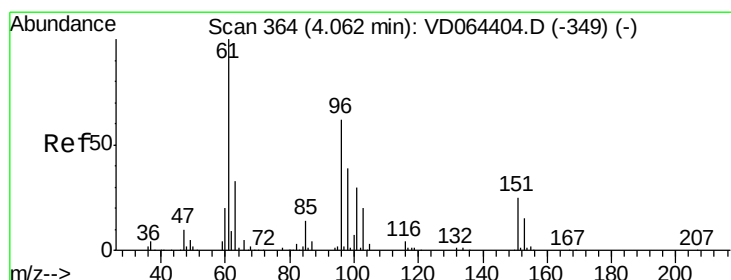
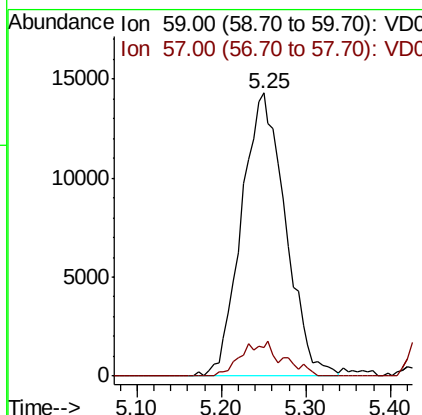
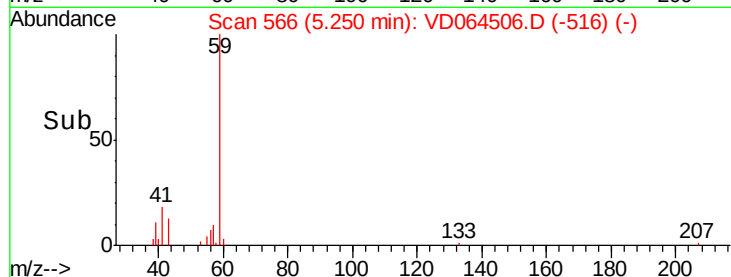
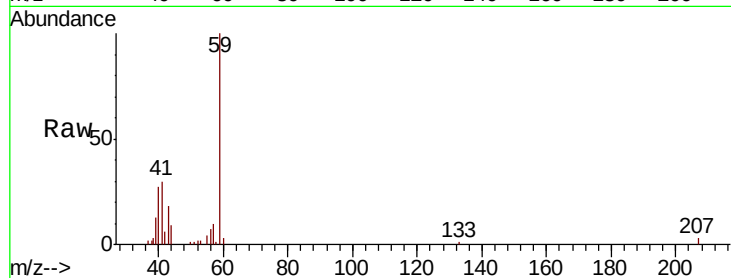
Tert butyl alcohol
Concen: 211.718 ug/l
RT: 5.25 min Scan# 566
Delta R.T. -0.01 min
Lab File: VD064506.D
Acq: 13 Dec 2019 14:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	59.00 (58.70 to 59.70): VDC	Resp	51543
Ion	Ratio	Lower	Upper
59	100		
57	8.9	0.0	0.0#

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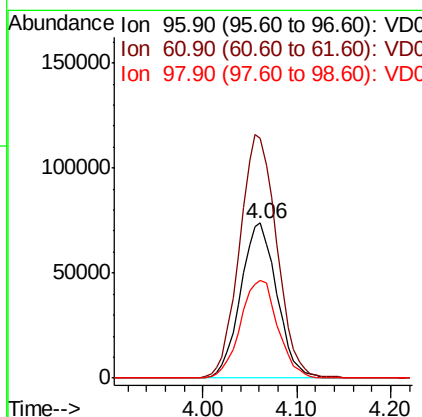
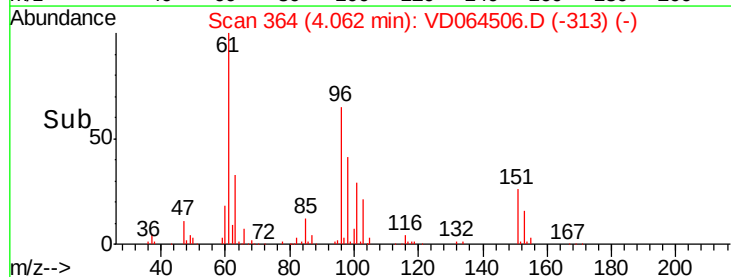
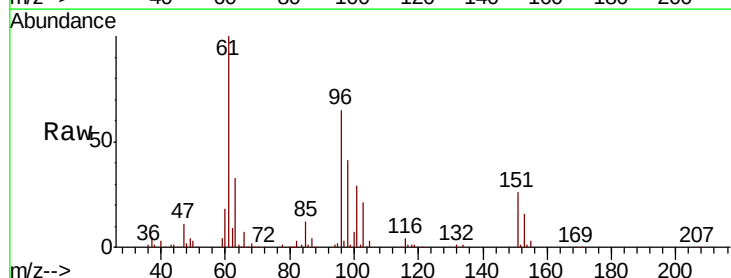
apatel
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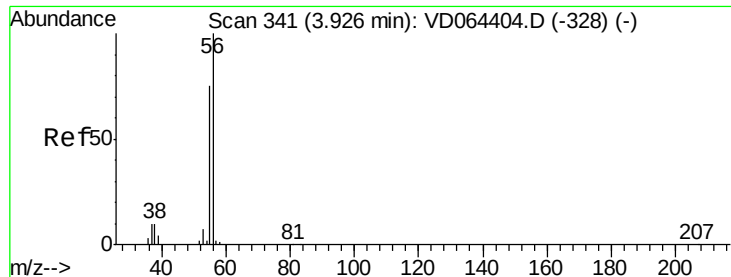


#12

1,1-Dichloroethene
Concen: 51.876 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD064506.D
Acq: 13 Dec 2019 14:42

Tgt Ion	96	Resp	197570
Ion	Ratio	Lower	Upper
96	100		
61	154.2	128.2	192.4
98	63.1	50.4	75.6





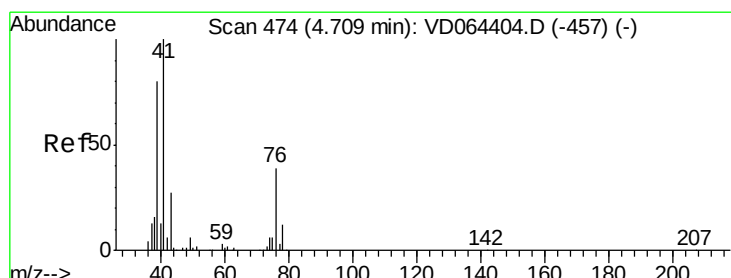
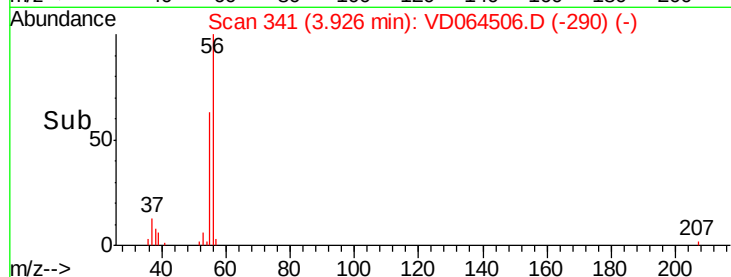
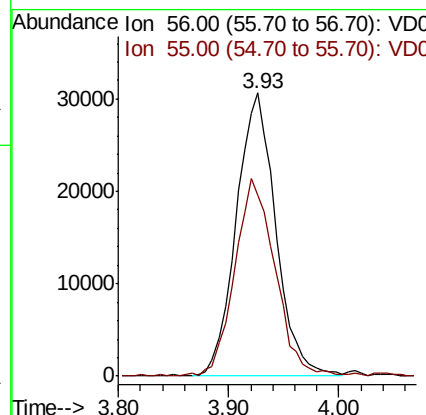
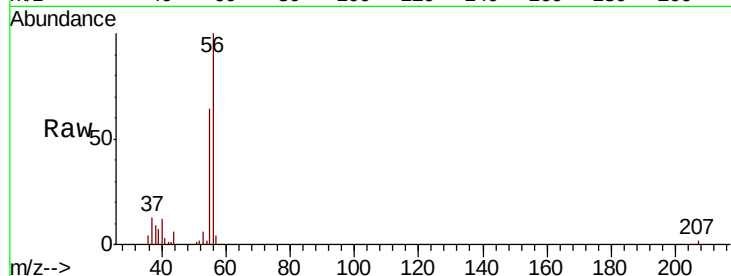
#13
Acrolein
Concen: 231.636 ug/l
RT: 3.93 min Scan# 341
Delta R.T. 0.00 min
Lab File: VD064506.D
Acq: 13 Dec 2019 14:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	76918
Ion Ratio	100	Lower	Upper
56	100		
55	71.3	56.9	85.3

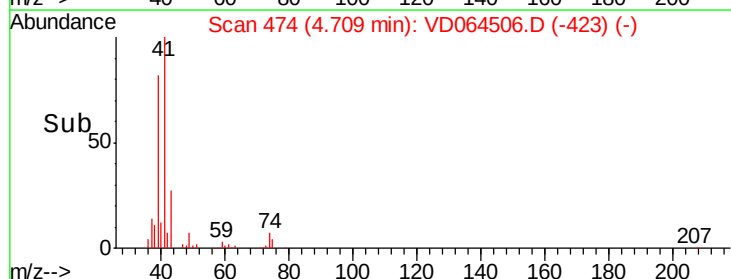
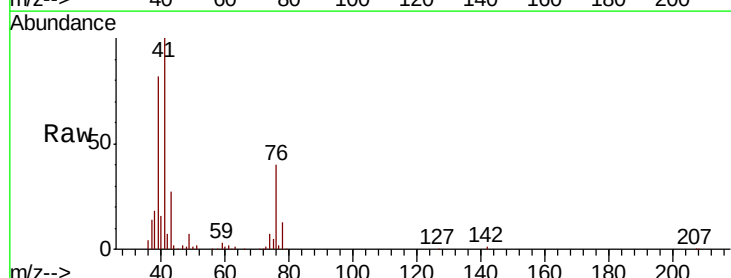
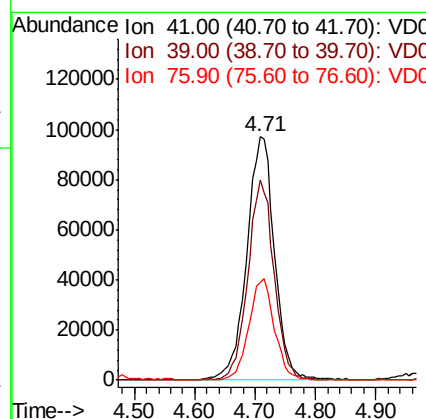
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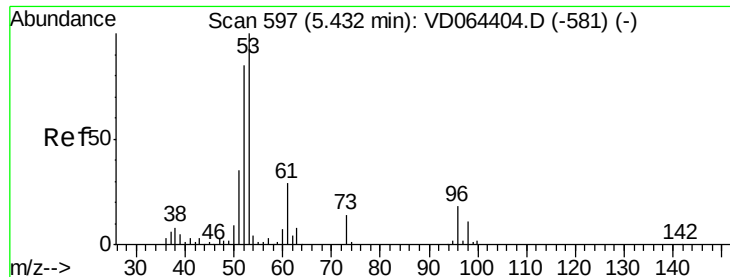
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#14
Allyl chloride
Concen: 51.635 ug/l
RT: 4.71 min Scan# 474
Delta R.T. -0.00 min
Lab File: VD064506.D
Acq: 13 Dec 2019 14:42

Tgt Ion	41	Resp	306902
Ion Ratio	100	Lower	Upper
41	100		
39	76.9	62.1	93.1
76	38.6	29.8	44.8





#15

Acrylonitrile

Concen: 246.257 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064506.D

Acq: 13 Dec 2019 14:42

Instrument :

MSVOA_D

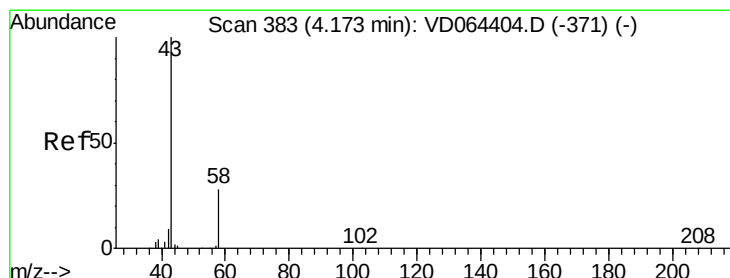
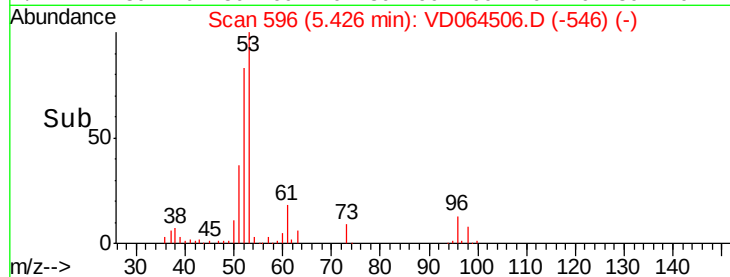
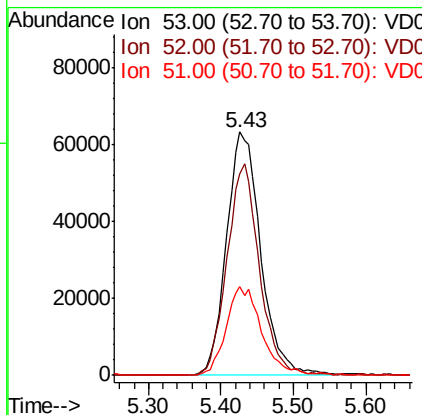
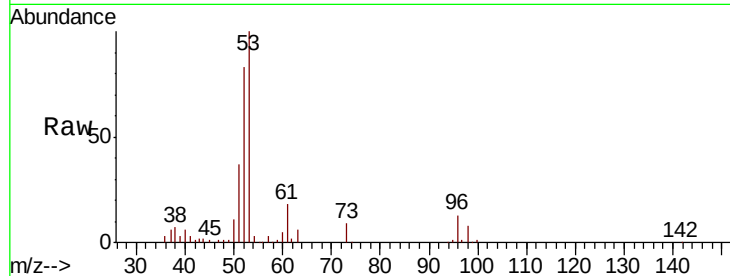
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	207408
Ion Ratio	Lower	Upper	
53	100		
52	82.1	67.9	101.9
51	37.4	30.6	45.8

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#16

Acetone

Concen: 253.784 ug/l

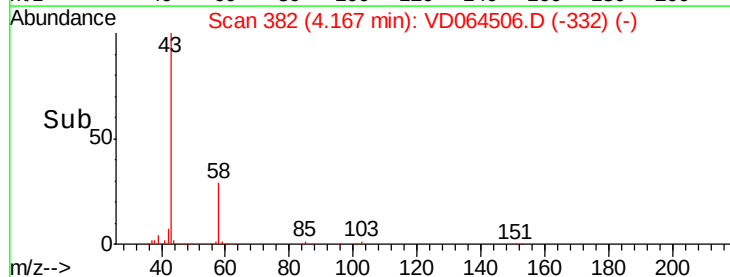
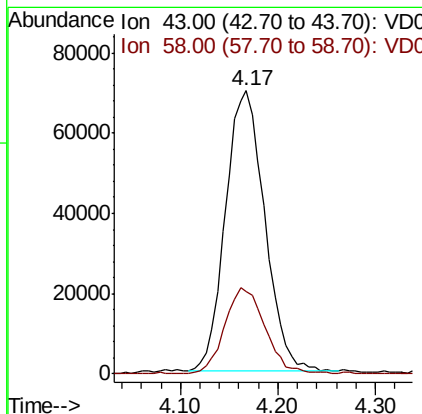
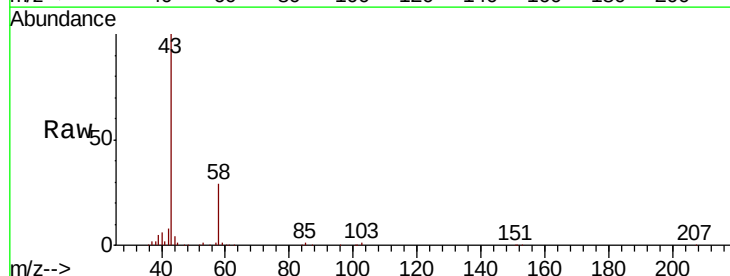
RT: 4.17 min Scan# 382

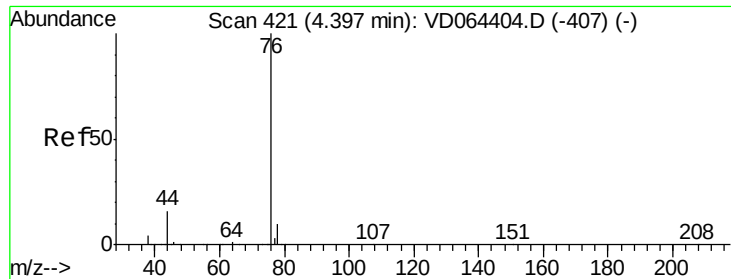
Delta R.T. -0.01 min

Lab File: VD064506.D

Acq: 13 Dec 2019 14:42

Tgt Ion:	43	Resp:	196140
Ion Ratio	Lower	Upper	
43	100		
58	29.2	22.6	33.8





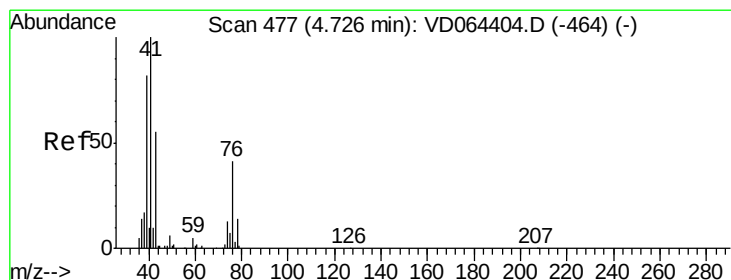
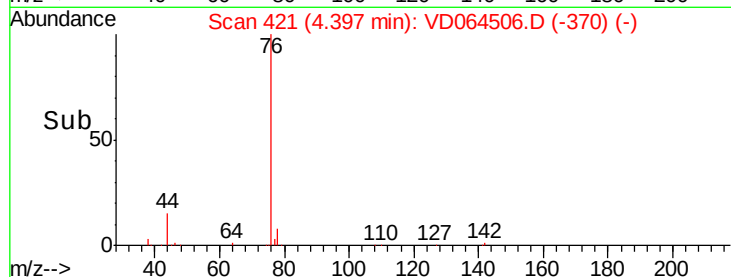
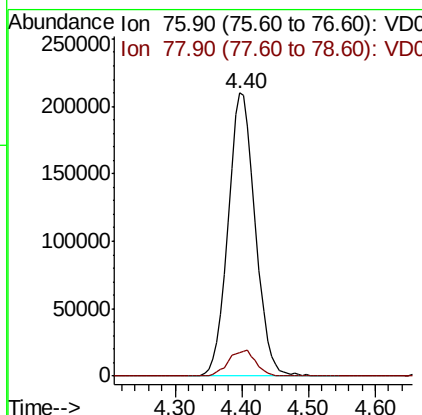
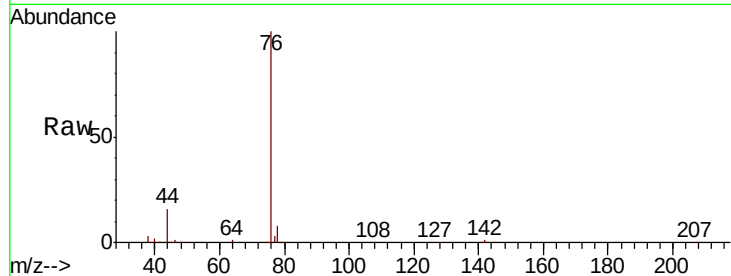
#17
Carbon Disulfide
Concen: 49.630 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.00 min
Lab File: VD064506.D
Acq: 13 Dec 2019 14:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.4	7.8	11.8

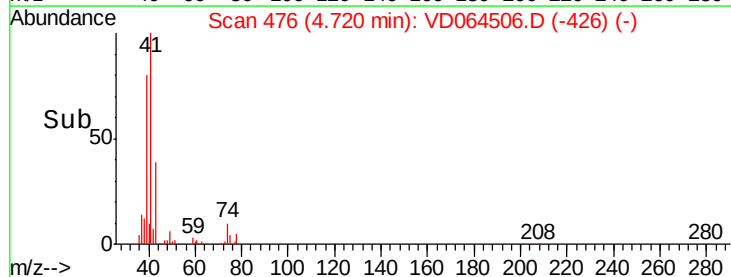
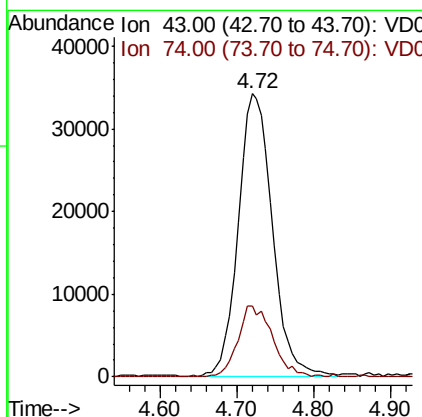
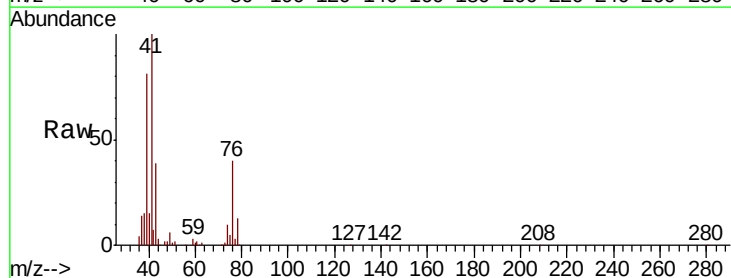
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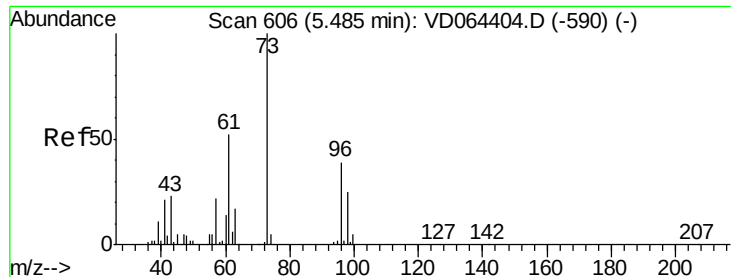
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#18
Methyl Acetate
Concen: 47.278 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD064506.D
Acq: 13 Dec 2019 14:42

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.4	19.7	29.5





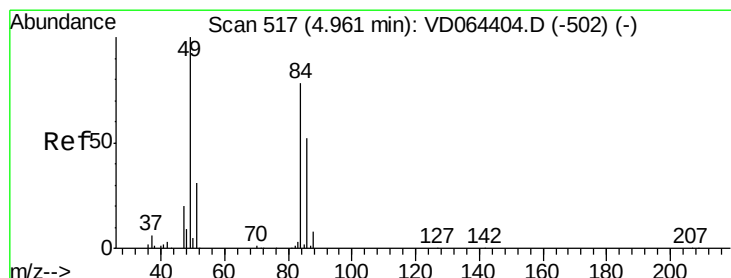
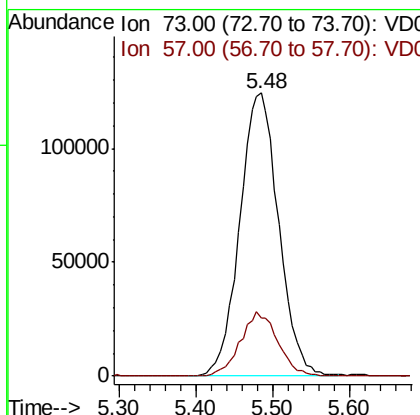
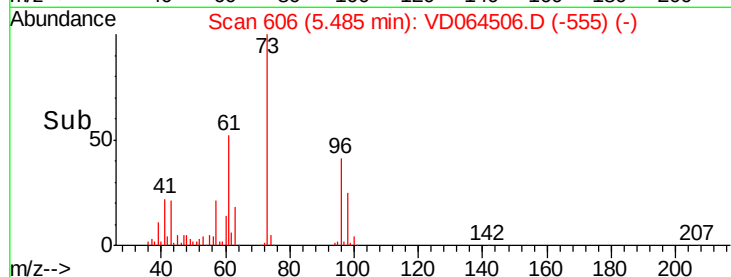
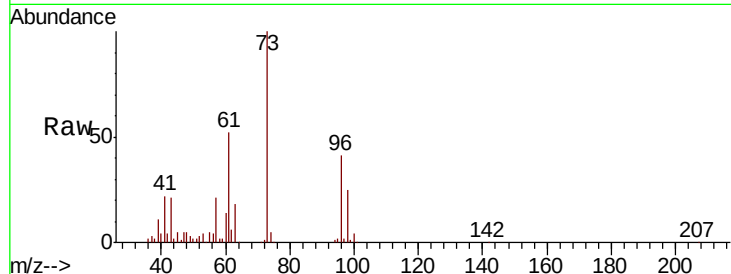
#19
Methyl tert-butyl Ether
Concen: 50.181 ug/l
RT: 5.48 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD064506.D
Acq: 13 Dec 2019 14:42

Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050

Tot Ion: 73 Resp: 438390
Ion Ratio Lower Upper
73 100
57 20.7 17.6 26.4

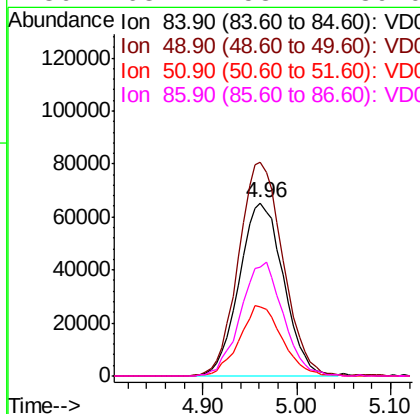
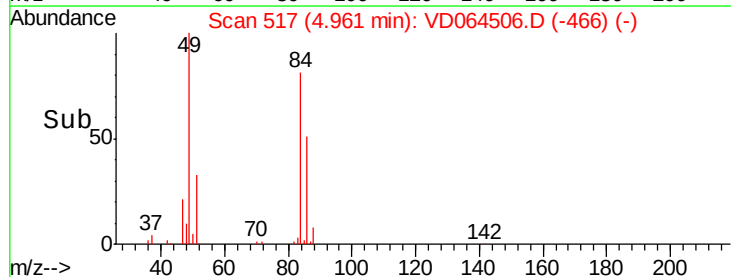
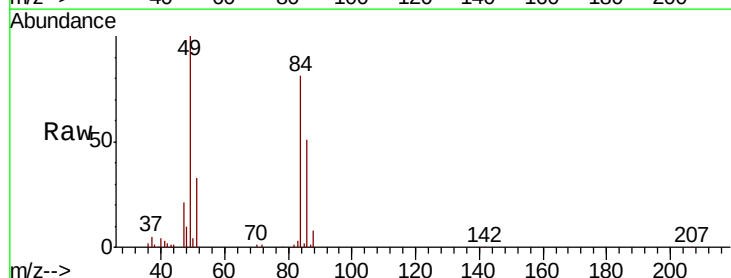
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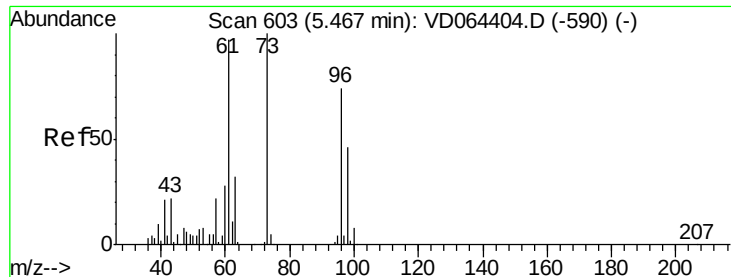
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#20
Methylene Chloride
Concen: 54.660 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064506.D
Acq: 13 Dec 2019 14:42

Tgt Ion: 84 Resp: 213019
Ion Ratio Lower Upper
84 100
49 123.2 102.6 153.8
51 40.3 32.0 48.0
86 63.1 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 52.444 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.00 min

Lab File: VD064506.D

Acq: 13 Dec 2019 14:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 225930

Ion Ratio Lower Upper

96 100

61 129.7 105.8 158.6

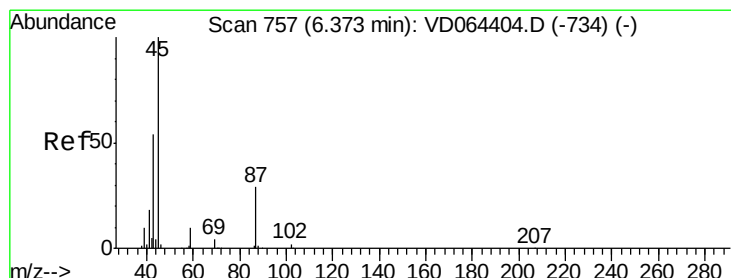
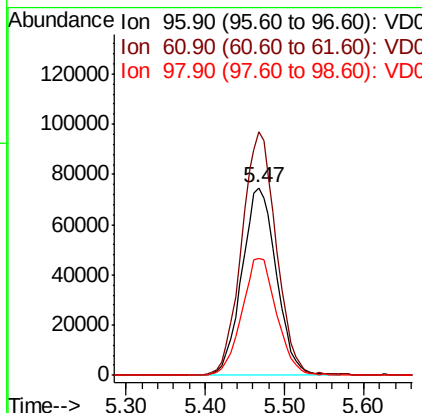
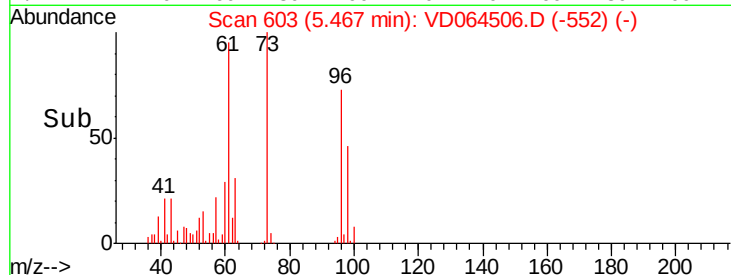
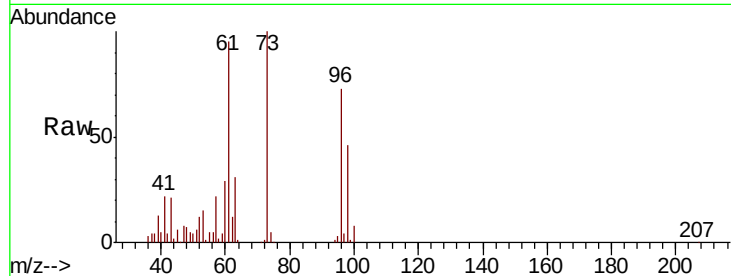
98 62.3 50.1 75.1

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#22

Diisopropyl ether

Concen: 51.383 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064506.D

Acq: 13 Dec 2019 14:42

Tgt Ion: 45 Resp: 602898

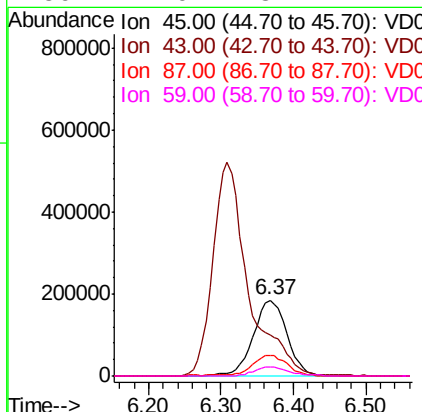
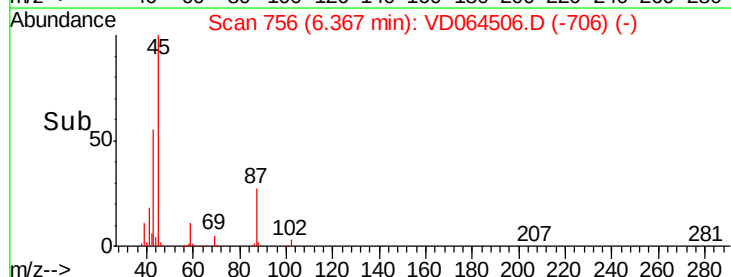
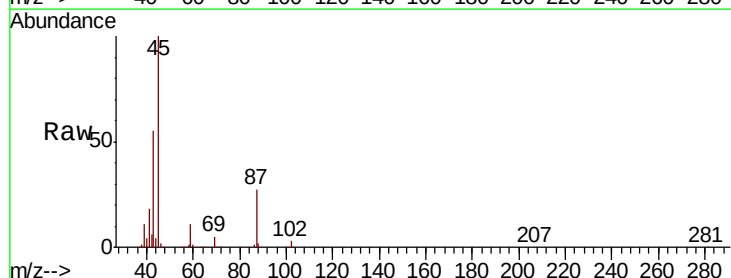
Ion Ratio Lower Upper

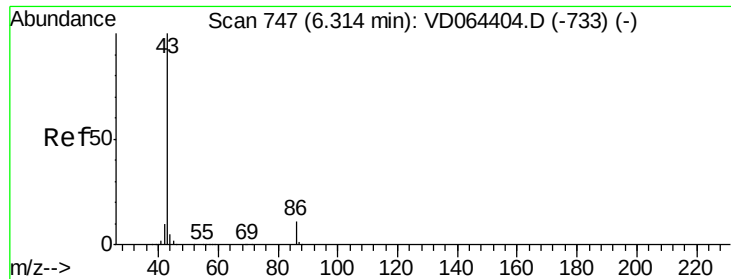
45 100

43 53.6 43.1 64.7

87 27.1 23.5 35.3

59 11.0 8.2 12.2





#23

Vinyl Acetate

Concen: 255.751 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064506.D

Acq: 13 Dec 2019 14:42

Instrument :

MSVOA_D

ClientSampleID :

VSTDCCC050

Tot Ion: 43 Resp: 1769107

Ion Ratio Lower Upper

43 100

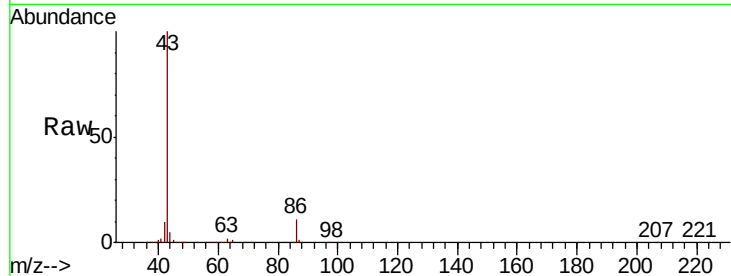
86 11.3 8.9 13.3

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

600000

500000

400000

300000

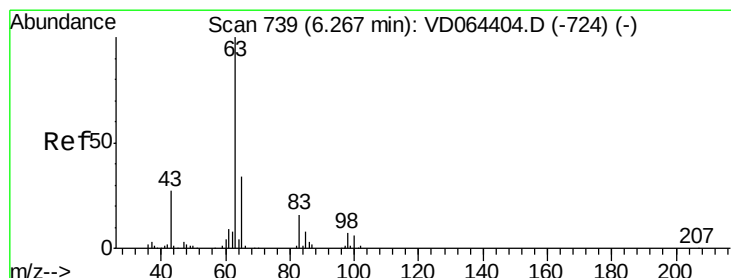
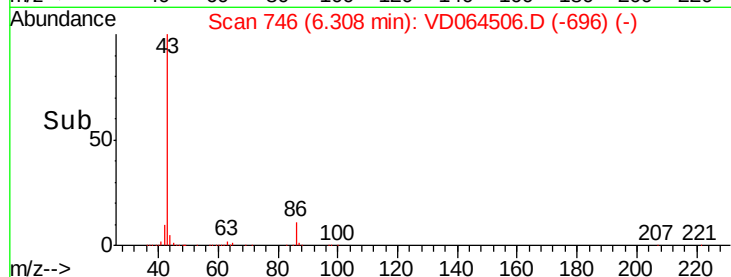
200000

100000

0

6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 52.591 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064506.D

Acq: 13 Dec 2019 14:42

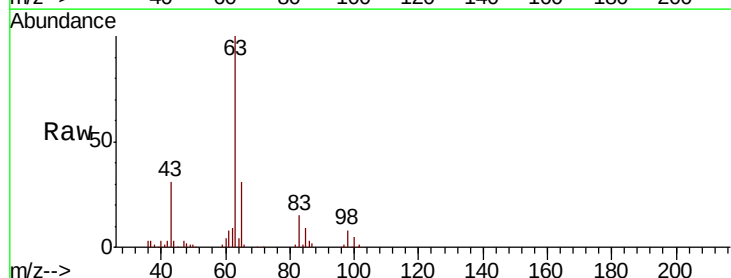
Tgt Ion: 63 Resp: 371100

Ion Ratio Lower Upper

63 100

98 7.8 3.6 10.9

100 5.2 2.9 8.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

150000

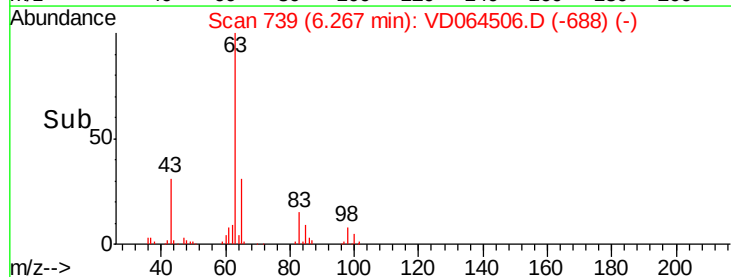
100000

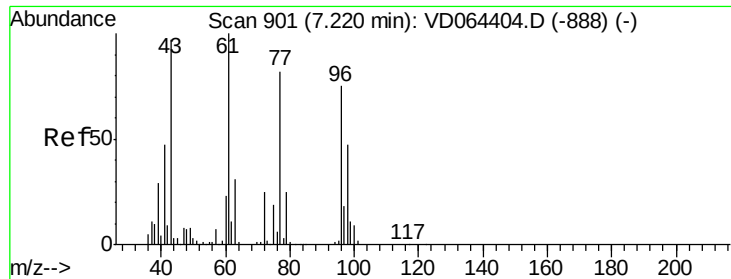
50000

0

6.10 6.20 6.30 6.40

Time-->





#25

2-Butanone

Concen: 242.296 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD064506.D

Acq: 13 Dec 2019 14:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 264827

Ion Ratio Lower Upper

43 100

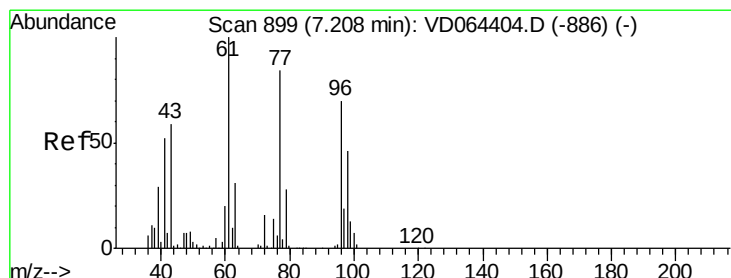
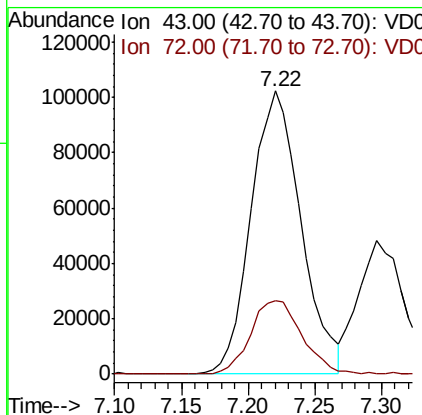
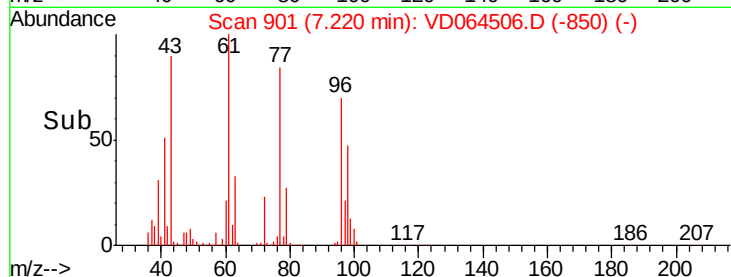
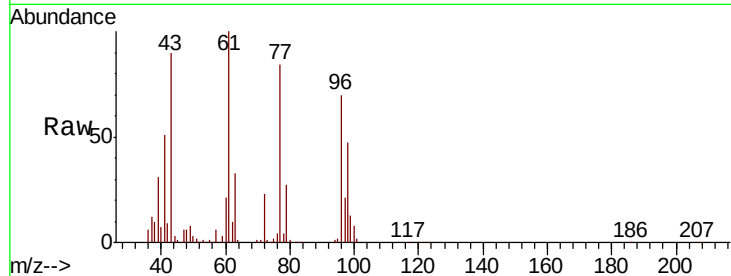
72 25.9 21.0 31.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 55.623 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064506.D

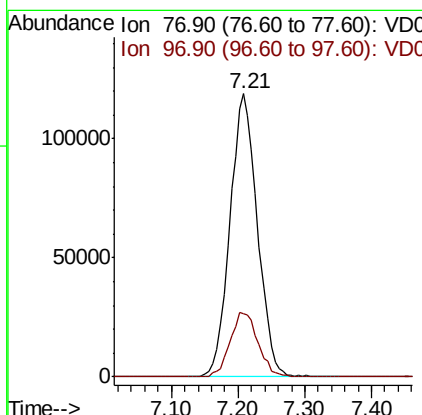
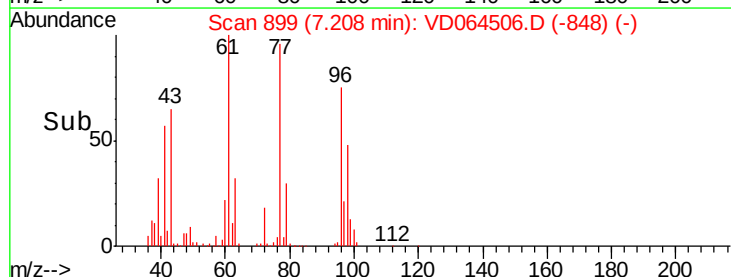
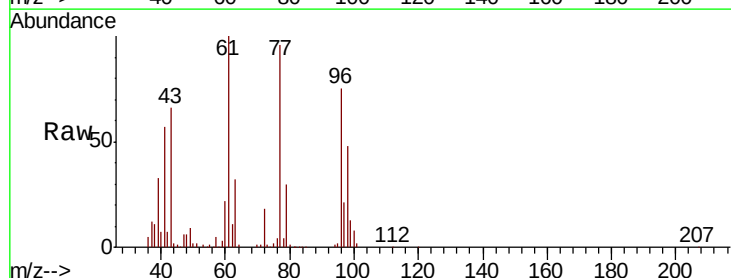
Acq: 13 Dec 2019 14:42

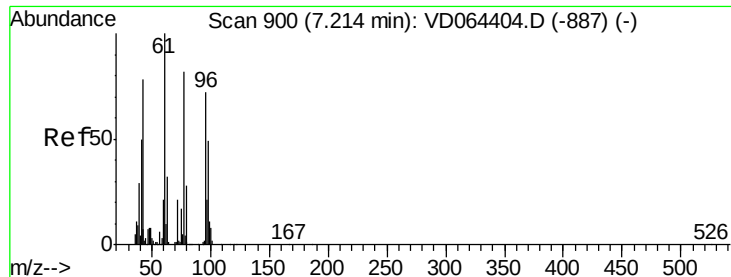
Tgt Ion: 77 Resp: 341337

Ion Ratio Lower Upper

77 100

97 23.1 11.6 34.7





#27

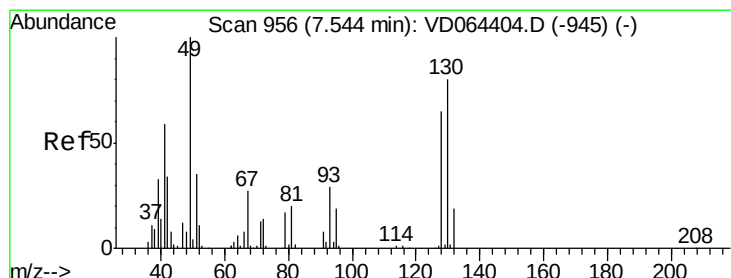
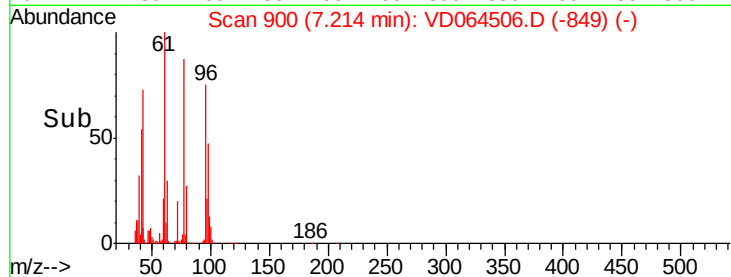
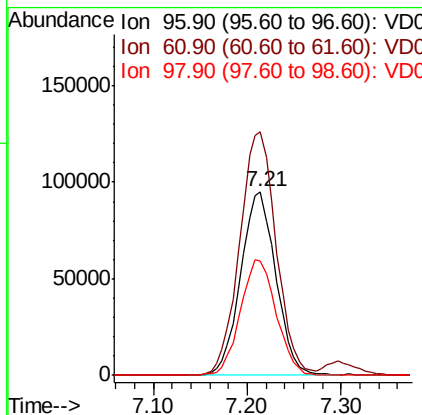
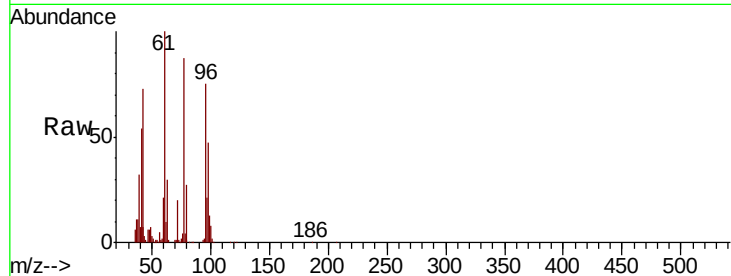
cis-1,2-Dichloroethene
Concen: 52.476 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD064506.D
Acq: 13 Dec 2019 14:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.7	0.0	279.6
98	64.2	0.0	129.2

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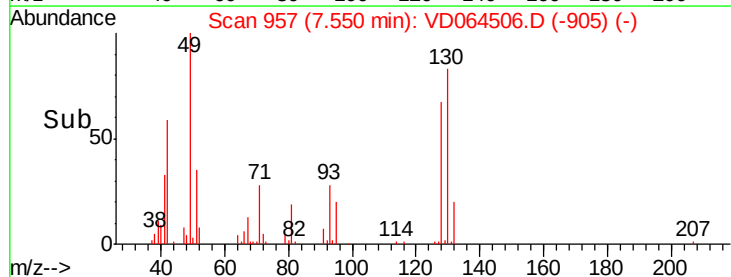
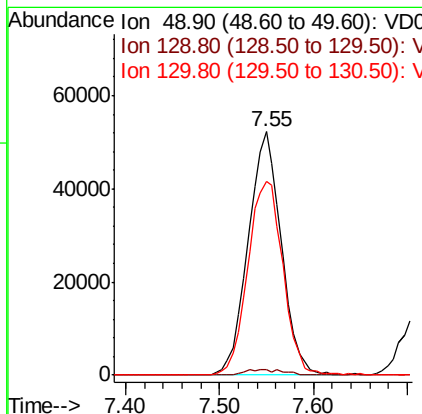
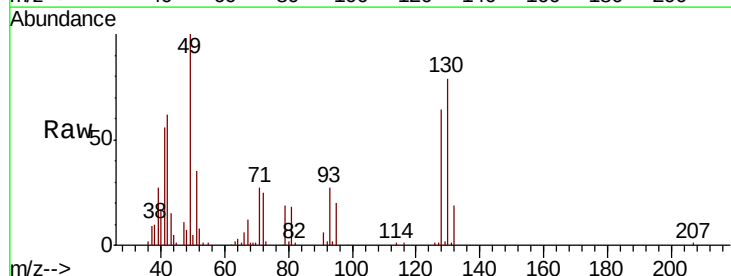
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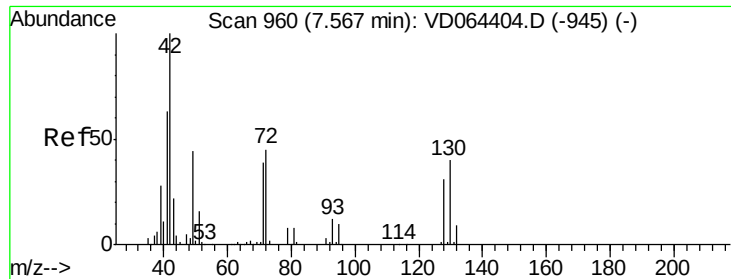


#28

Bromochloromethane
Concen: 52.604 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.01 min
Lab File: VD064506.D
Acq: 13 Dec 2019 14:42

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	4.4
130	84.7	67.4	101.0





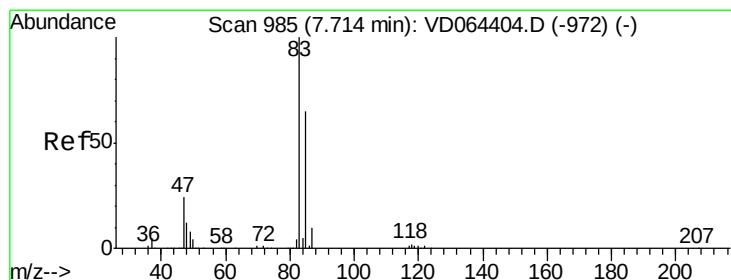
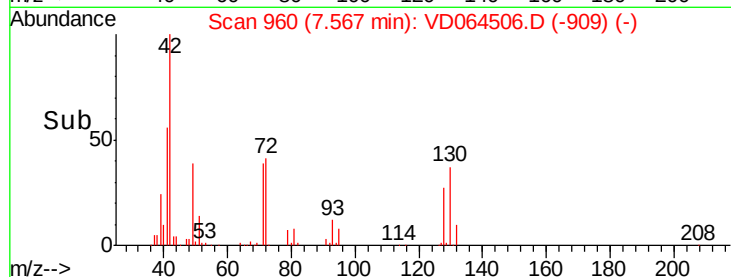
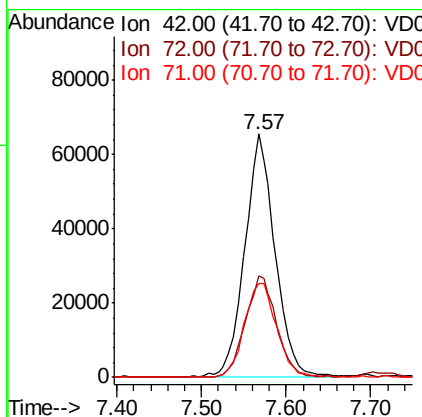
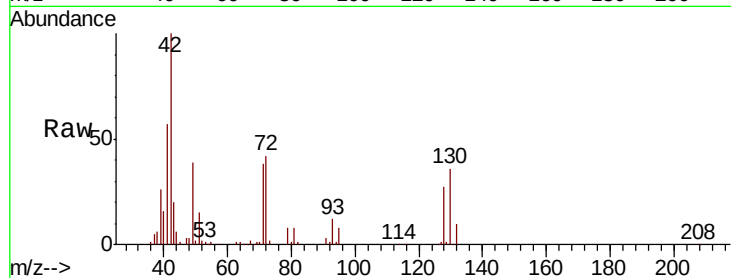
#29
Tetrahydrofuran
Concen: 235.744 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.00 min
Lab File: VD064506.D
Acq: 13 Dec 2019 14:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.4	35.8	53.8
71	41.5	32.7	49.1

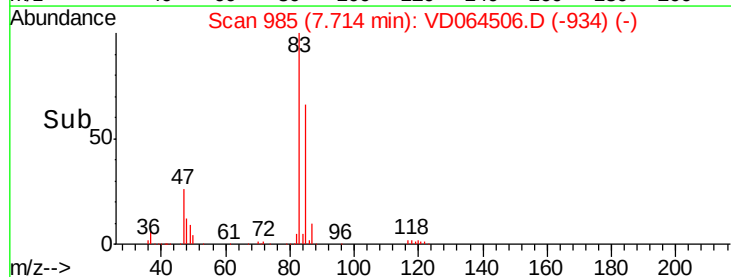
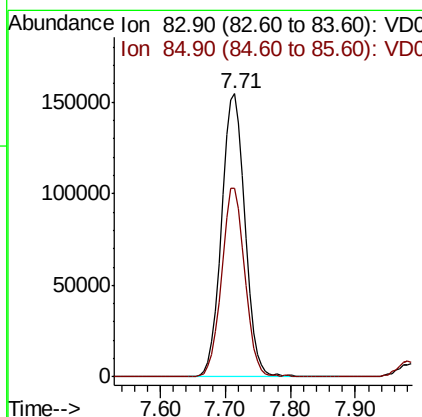
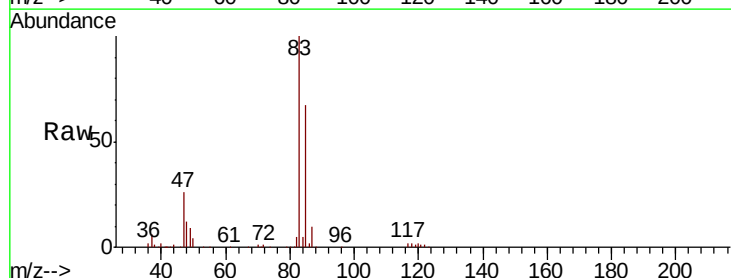
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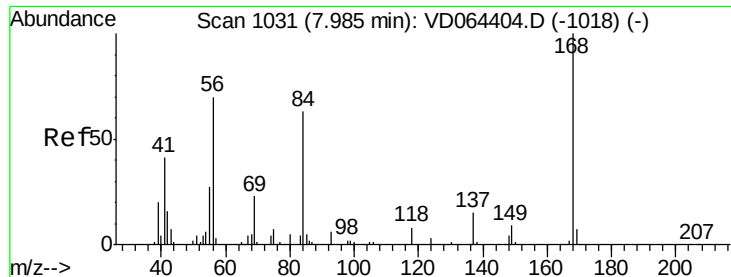
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#30
Chloroform
Concen: 52.855 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064506.D
Acq: 13 Dec 2019 14:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.5	51.8	77.6





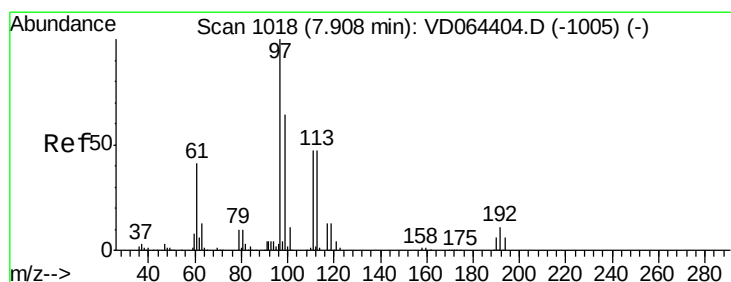
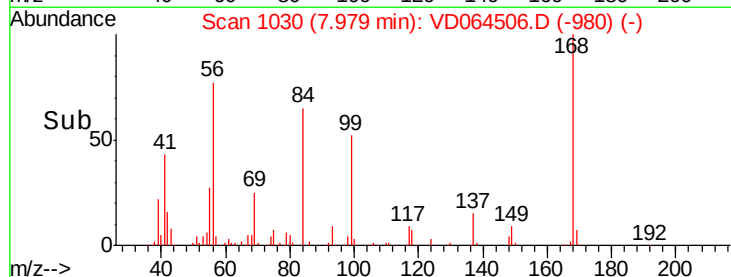
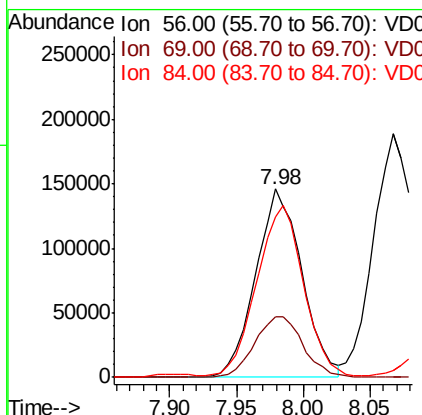
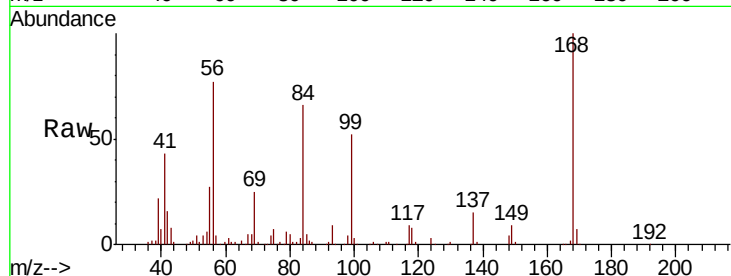
#31
Cyclohexane
Concen: 57.596 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064506.D
Acq: 13 Dec 2019 14:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.3	26.2	39.4
84	83.3	70.3	105.5

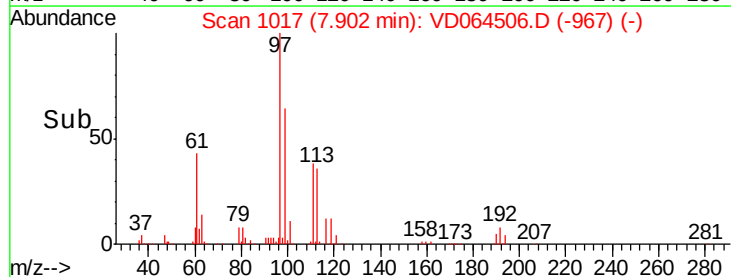
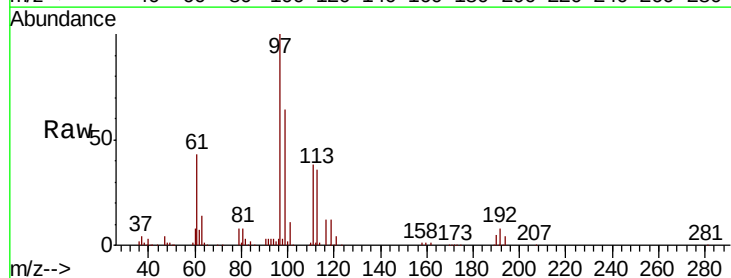
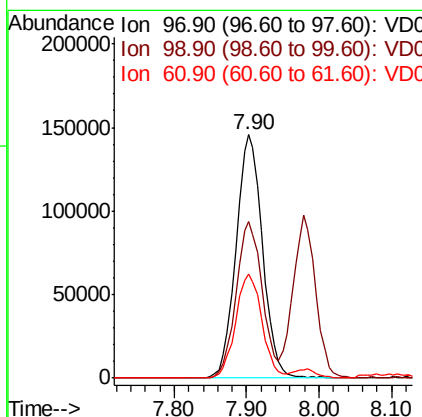
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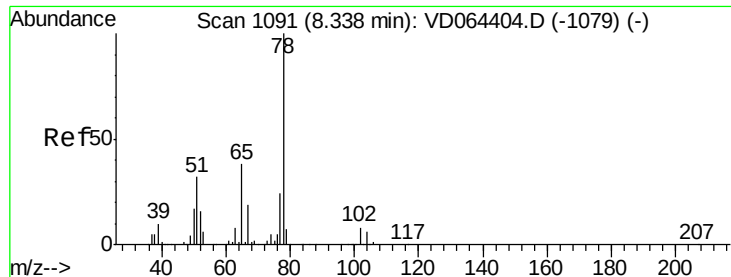
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#32
1,1,1-Trichloroethane
Concen: 54.307 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064506.D
Acq: 13 Dec 2019 14:42

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.4	77.2
61	42.7	35.0	52.4





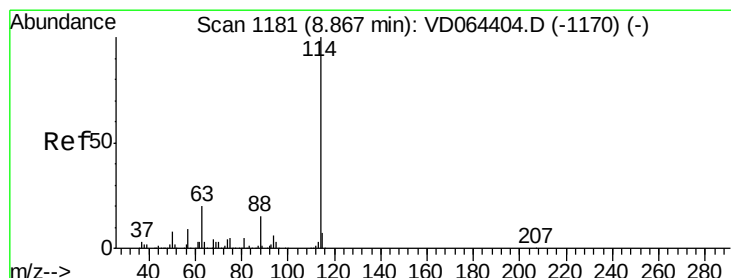
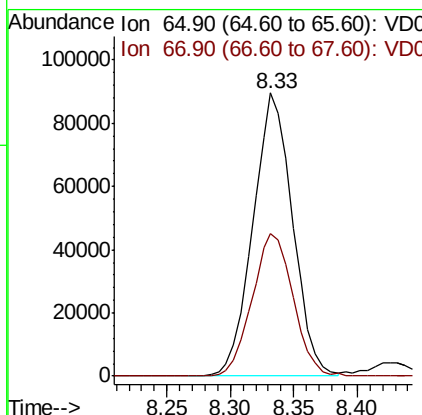
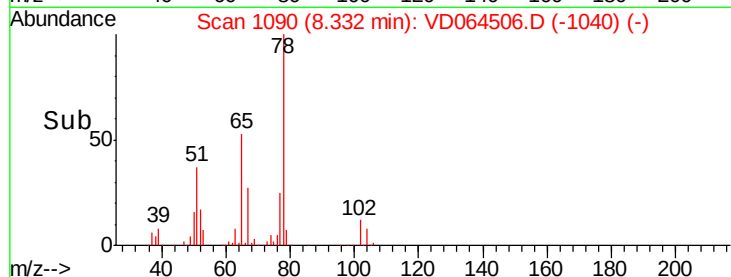
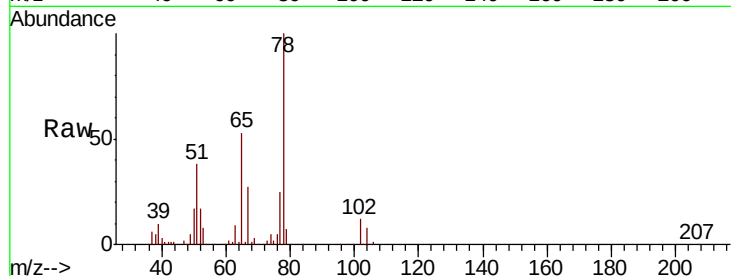
#33
 1,2-Dichloroethane-d4
 Concen: 50.865 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD064506.D
 Acq: 13 Dec 2019 14:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	194535		
67	52.1	0.0	102.0	

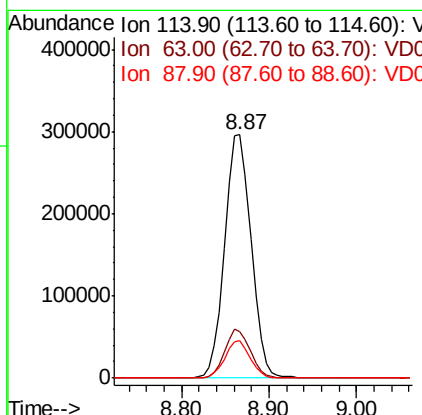
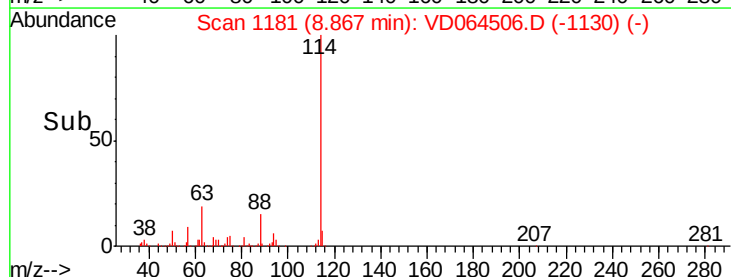
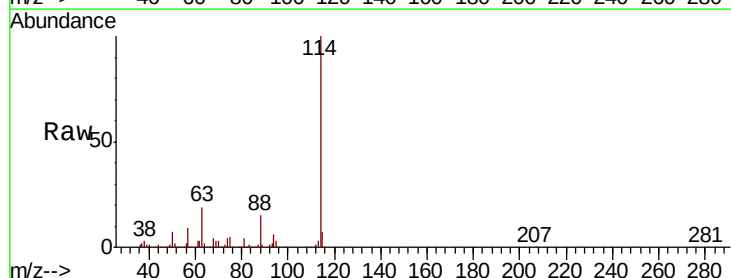
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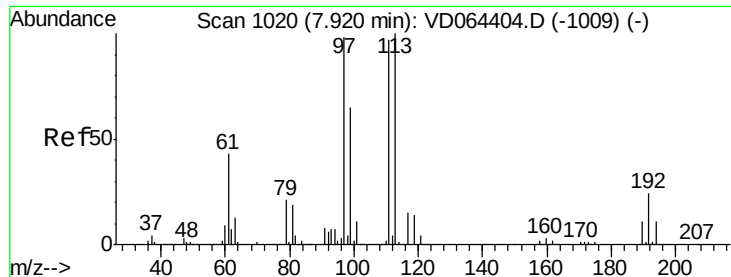
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064506.D
 Acq: 13 Dec 2019 14:42

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	609828		
63	18.9	0.0	40.0	
88	15.3	0.0	29.2	





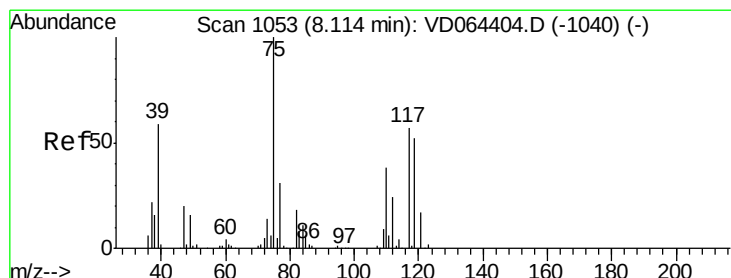
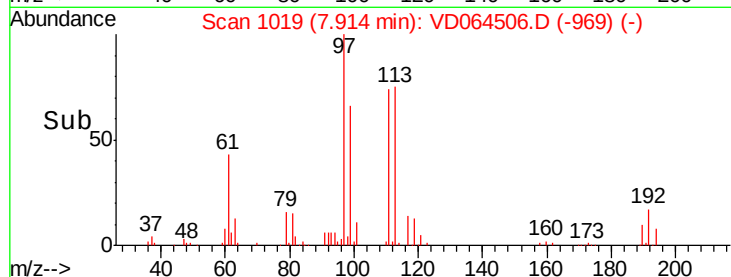
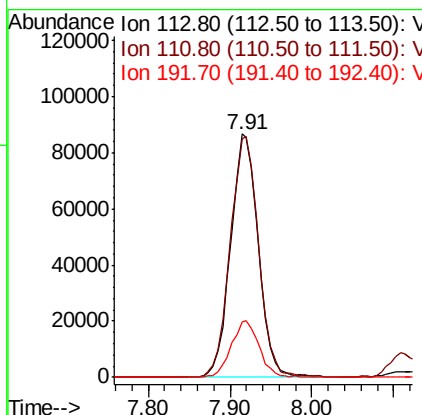
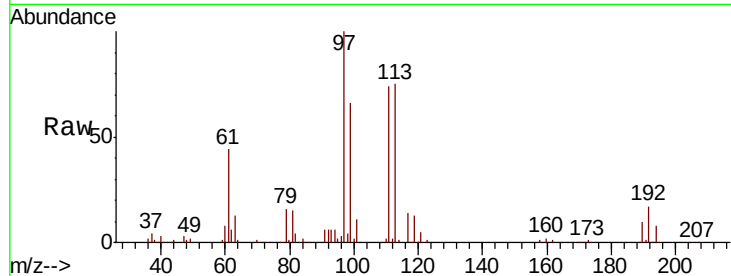
#35
Dibromofluoromethane
Concen: 52.994 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. -0.01 min
Lab File: VD064506.D
Acq: 13 Dec 2019 14:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	203614		
111	101.6	79.4	119.2	
192	23.0	18.6	28.0	

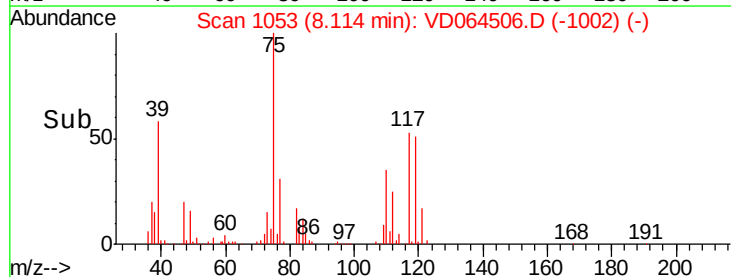
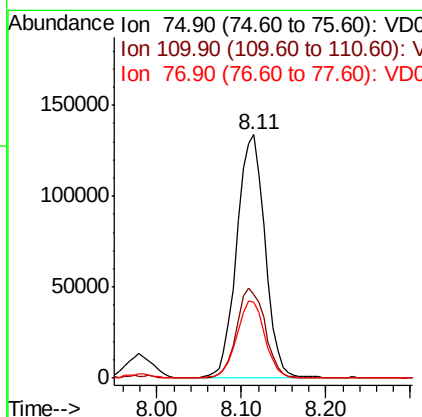
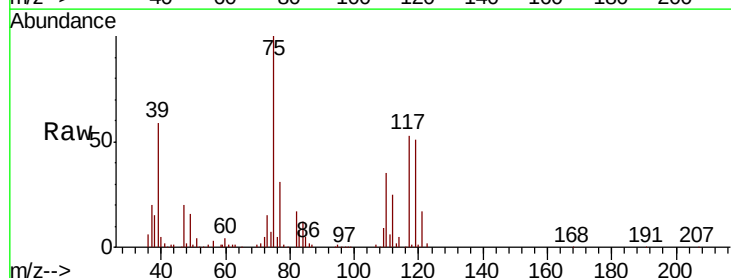
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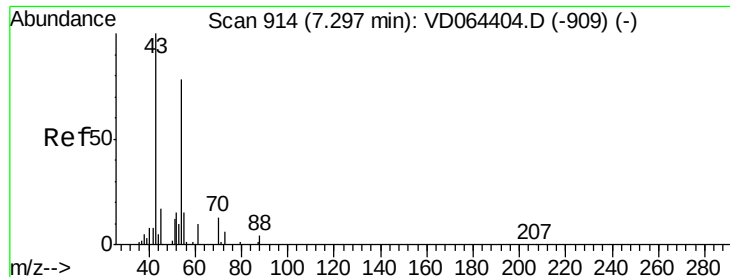
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#36
1,1-Dichloropropene
Concen: 53.418 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VD064506.D
Acq: 13 Dec 2019 14:42

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	308122		
110	37.3	18.6	55.8	
77	31.8	25.0	37.4	





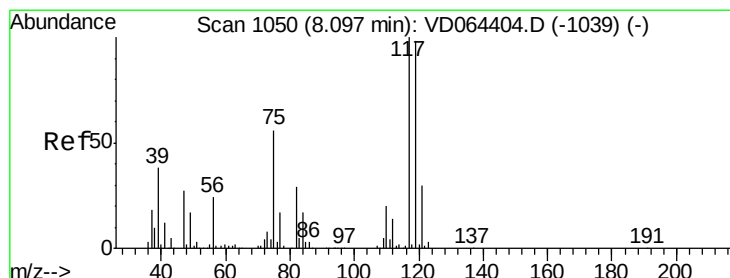
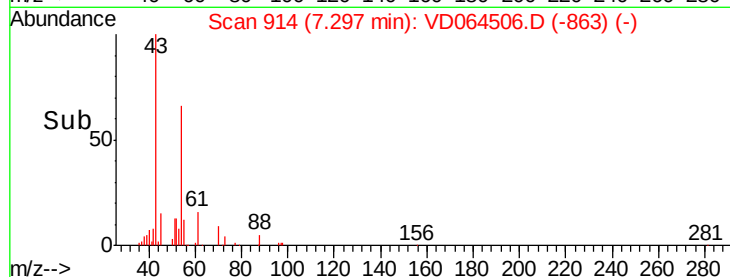
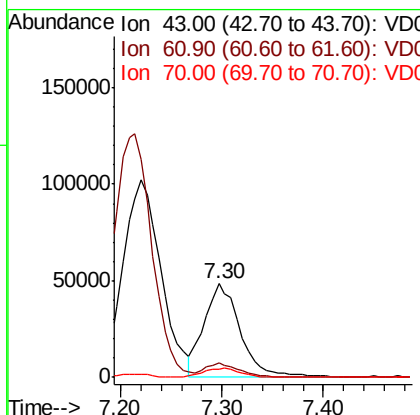
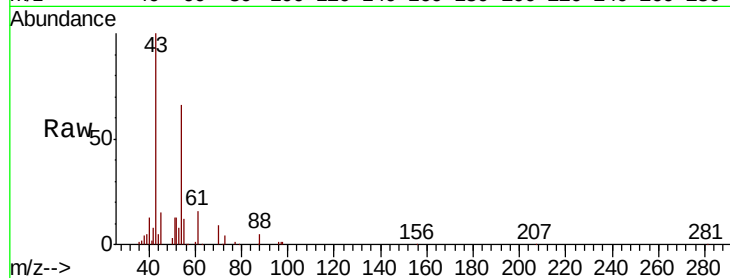
#37
Ethyl Acetate
Concen: 48.161 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD064506.D
Acq: 13 Dec 2019 14:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	10.9	16.3
70	10.2	8.3	12.5

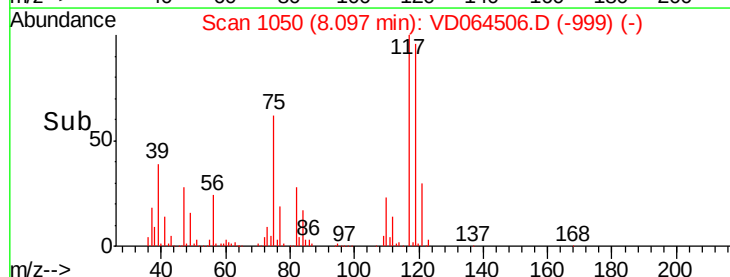
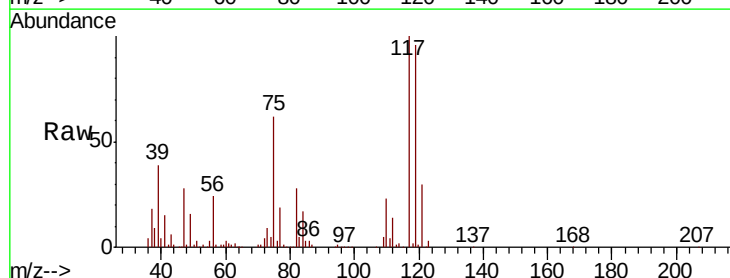
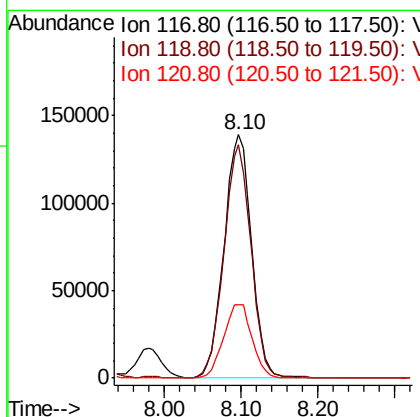
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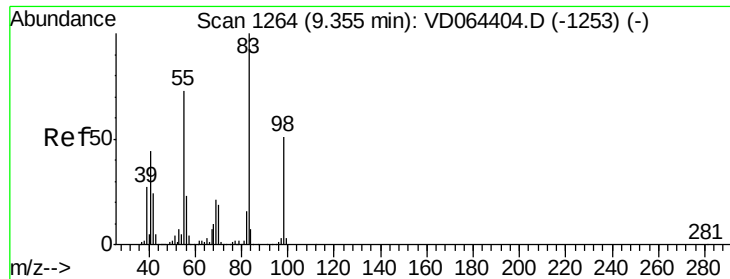
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#38
Carbon Tetrachloride
Concen: 56.847 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064506.D
Acq: 13 Dec 2019 14:42

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.6	78.8	118.2
121	30.2	24.2	36.2





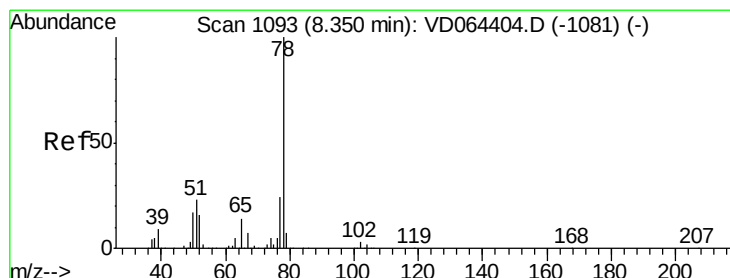
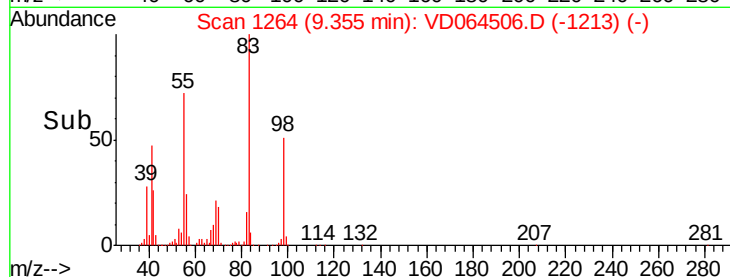
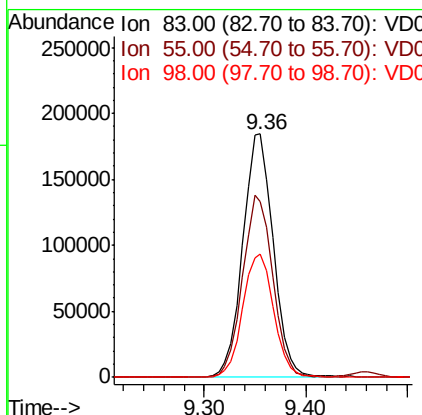
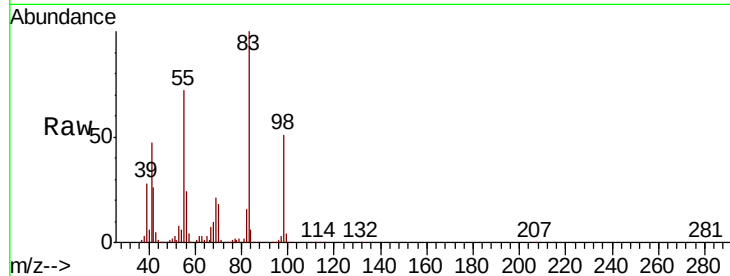
#39
Methylvlcyclohexane
Concen: 53.855 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064506.D
Acq: 13 Dec 2019 14:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.0	58.6	87.8
98	50.9	40.9	61.3

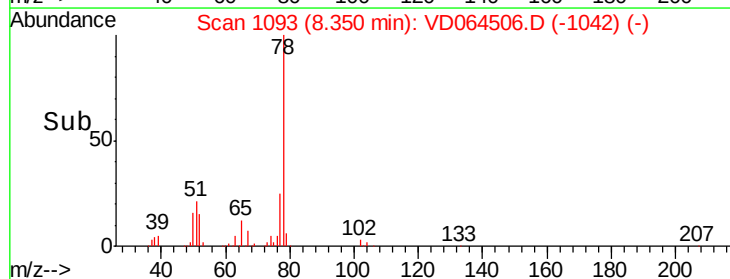
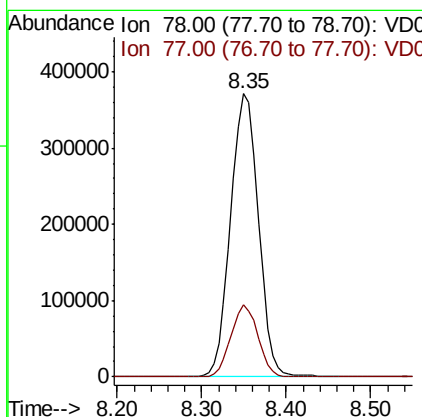
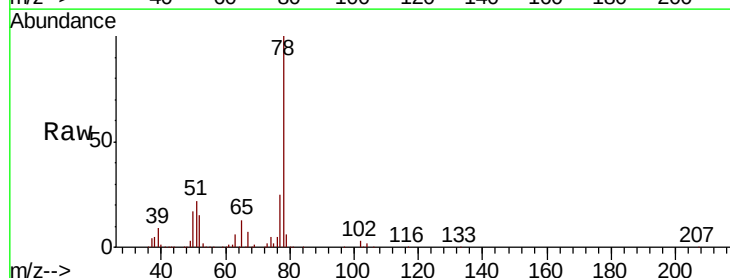
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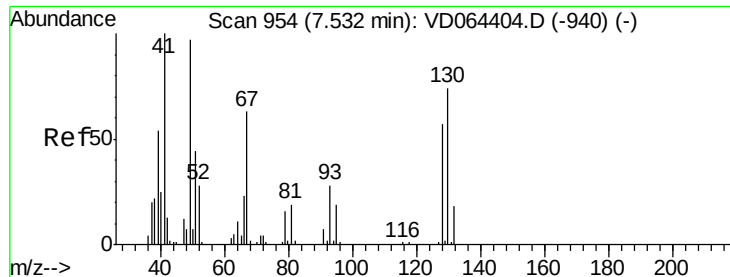
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#40
Benzene
Concen: 52.758 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD064506.D
Acq: 13 Dec 2019 14:42

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.4	19.6	29.4





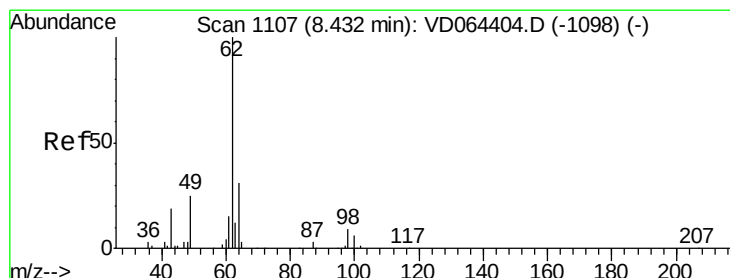
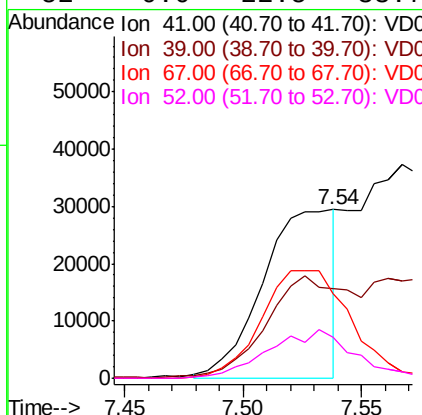
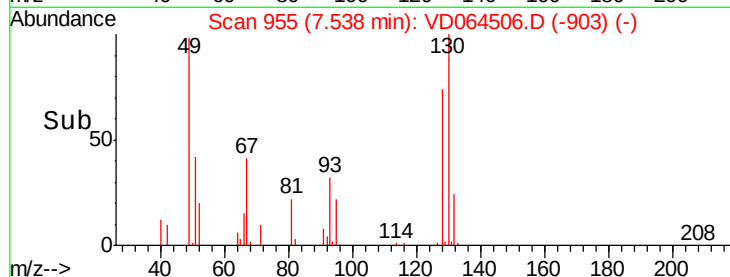
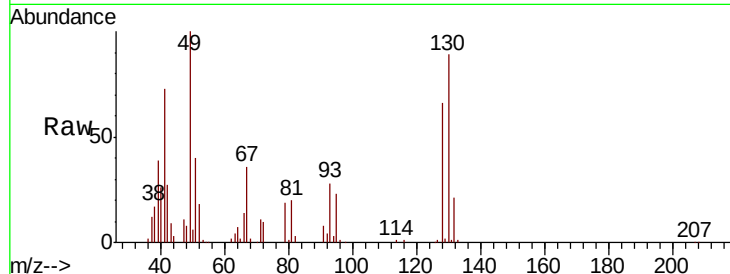
#41
Methacrylonitrile
Concen: 44.491 ug/l m
RT: 7.54 min Scan# 955
Delta R.T. 0.01 min
Lab File: VD064506.D
Acq: 13 Dec 2019 14:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	44.6	67.0#
67	0.0	50.9	76.3#
52	0.0	22.5	33.7#

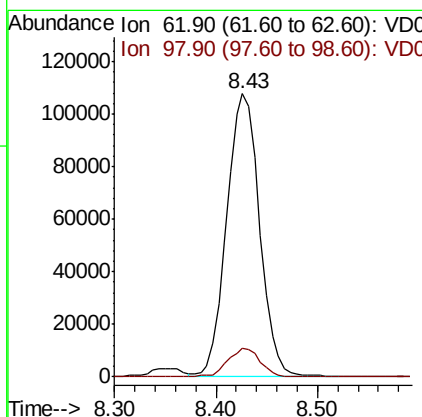
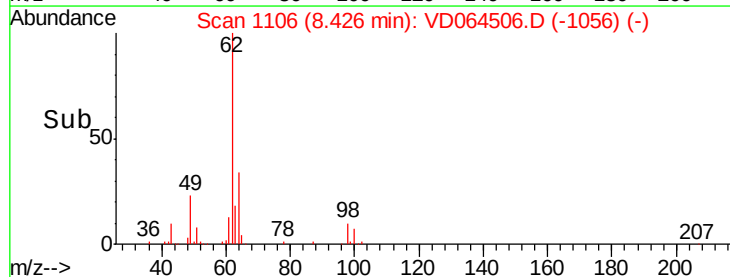
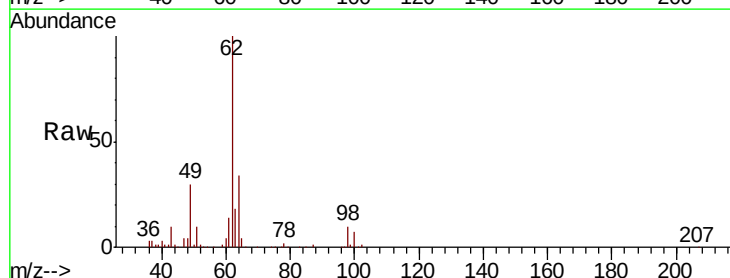
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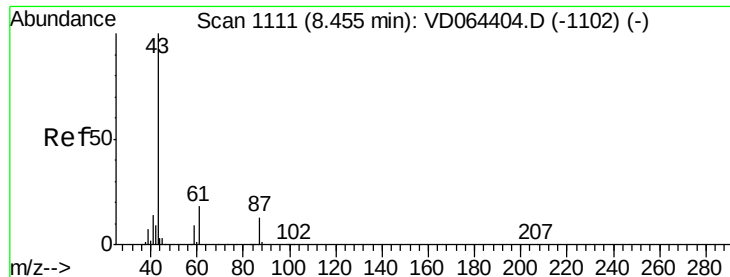
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#42
1,2-Dichloroethane
Concen: 51.952 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD064506.D
Acq: 13 Dec 2019 14:42

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	20.6





#43

Isopropyl Acetate

Concen: 50.067 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD064506.D

Acq: 13 Dec 2019 14:42

Instrument :

MSVOA_D

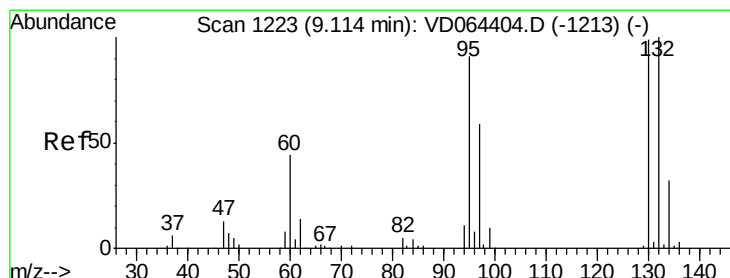
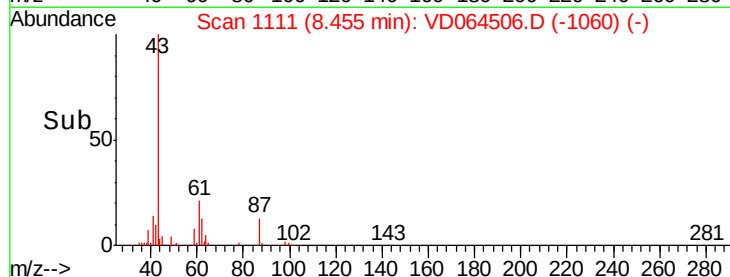
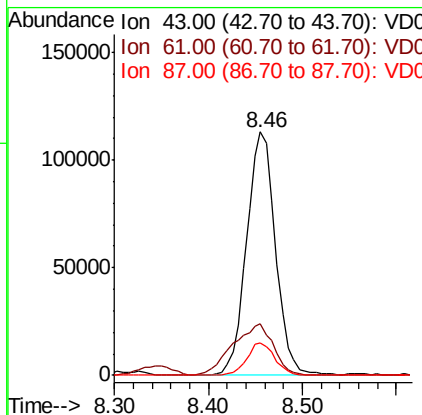
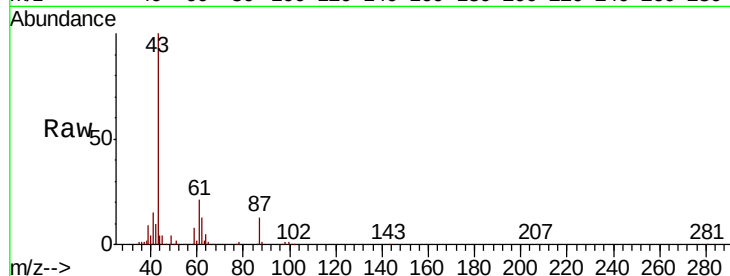
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	240941
Ion	Ratio	Lower	Upper
43	100		
61	29.9	24.0	36.0
87	12.9	10.6	15.8

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#44

Trichloroethene

Concen: 53.120 ug/l

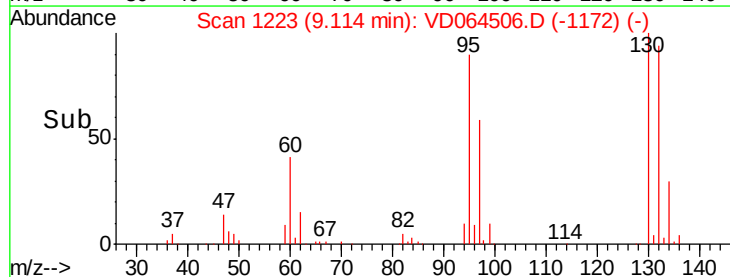
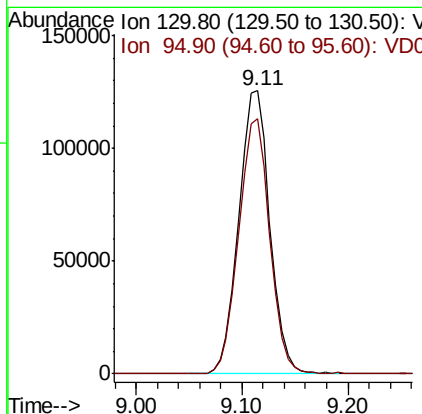
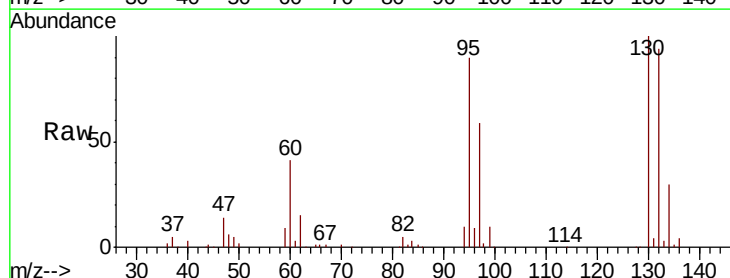
RT: 9.11 min Scan# 1223

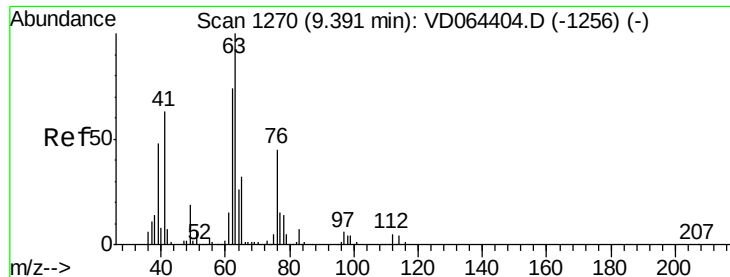
Delta R.T. -0.00 min

Lab File: VD064506.D

Acq: 13 Dec 2019 14:42

Tgt Ion:	130	Resp:	256345
Ion	Ratio	Lower	Upper
130	100		
95	90.2	0.0	184.6





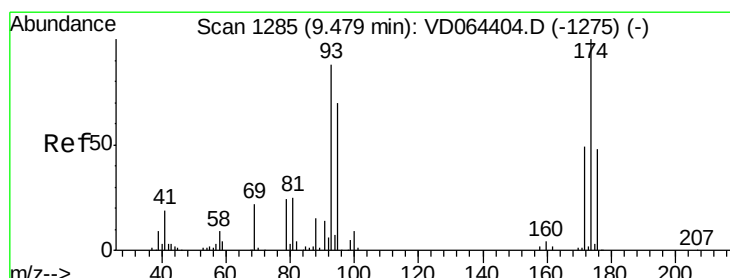
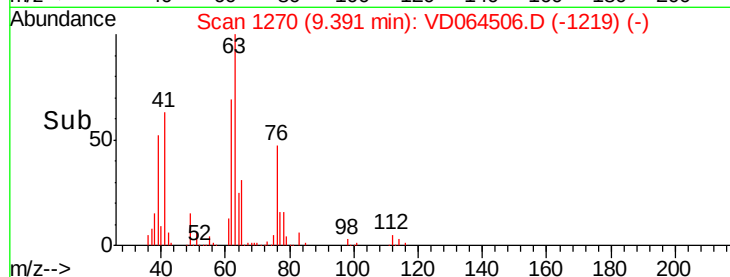
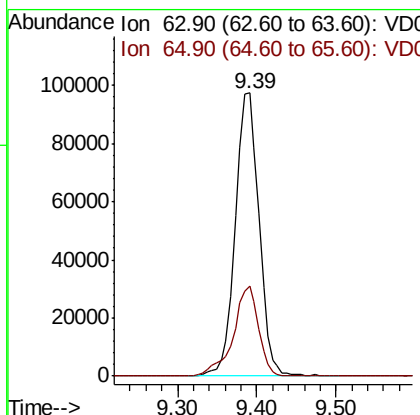
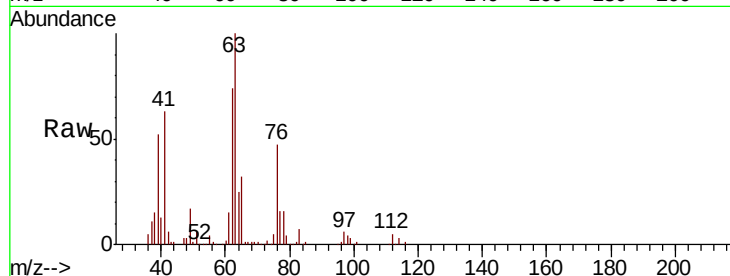
#45
 1,2-Dichloropropane
 Concen: 52.884 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD064506.D
 Acq: 13 Dec 2019 14:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.0	25.4	38.0

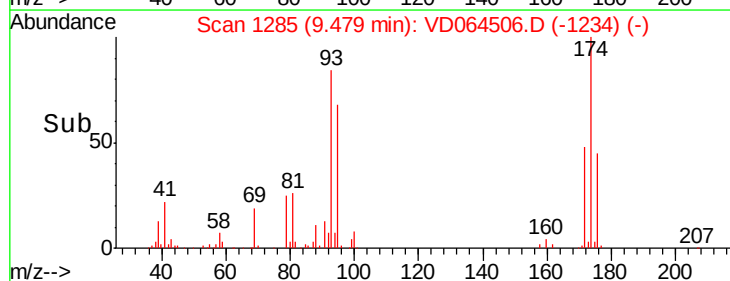
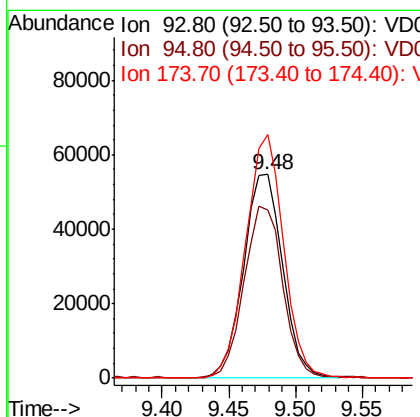
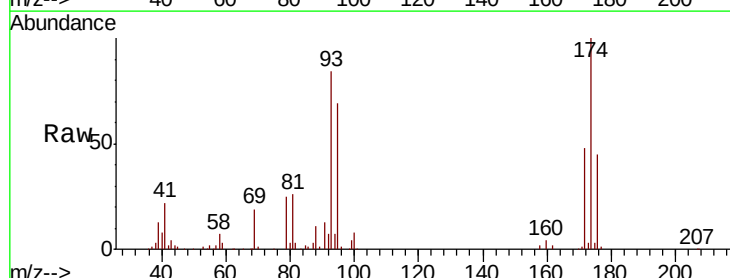
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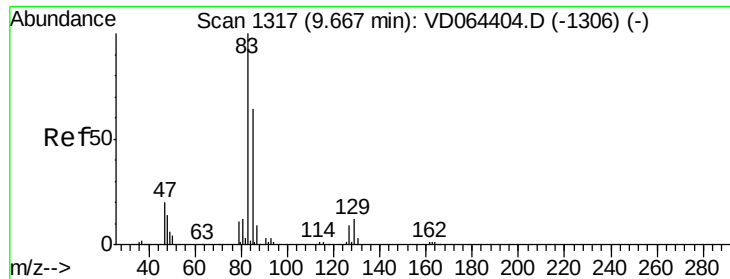
apatel
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#46
 Dibromomethane
 Concen: 51.303 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD064506.D
 Acq: 13 Dec 2019 14:42

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.9	66.7	100.1
174	116.1	92.3	138.5





#47

Bromodichloromethane

Concen: 54.020 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064506.D

Acq: 13 Dec 2019 14:42

Instrument :

MSVOA_D

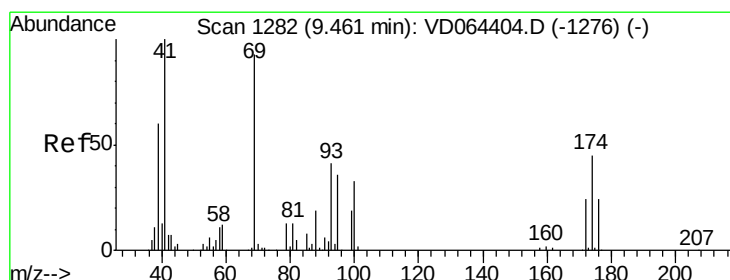
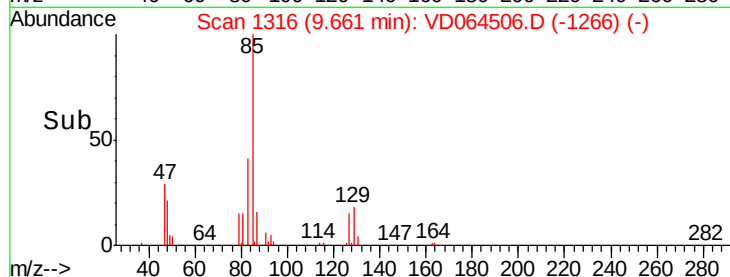
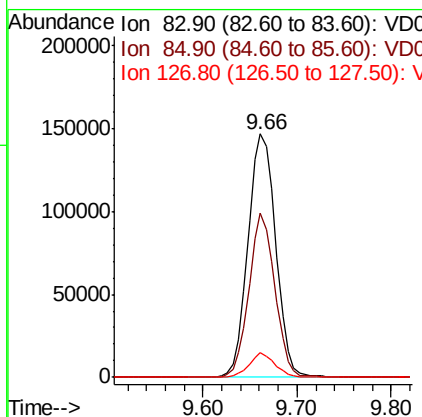
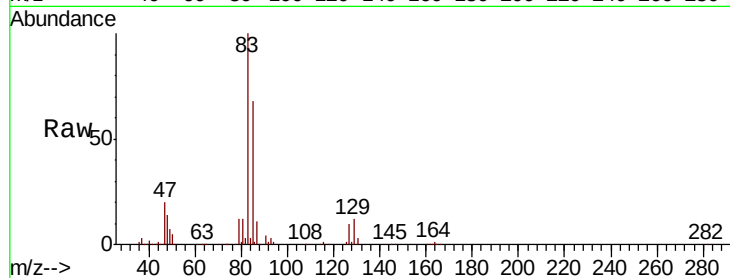
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	300155
Ion Ratio	Lower	Upper	
83	100		
85	67.5	51.1	76.7
127	9.9	7.4	11.0

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#48

Methyl methacrylate

Concen: 49.320 ug/l

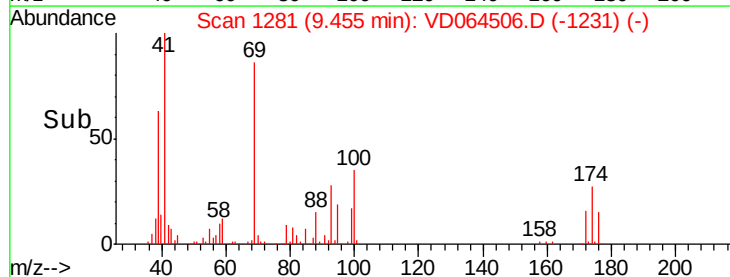
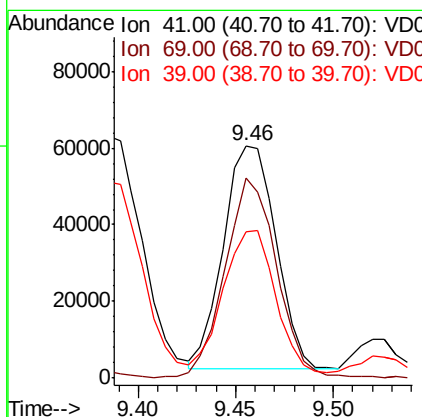
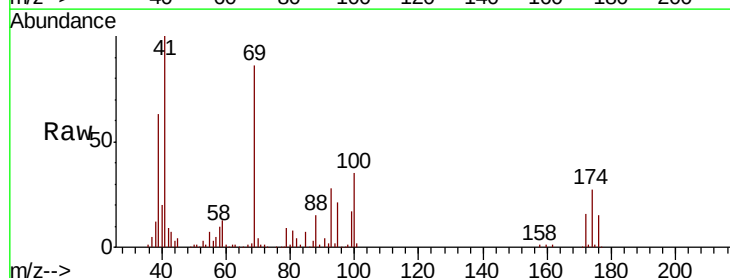
RT: 9.46 min Scan# 1281

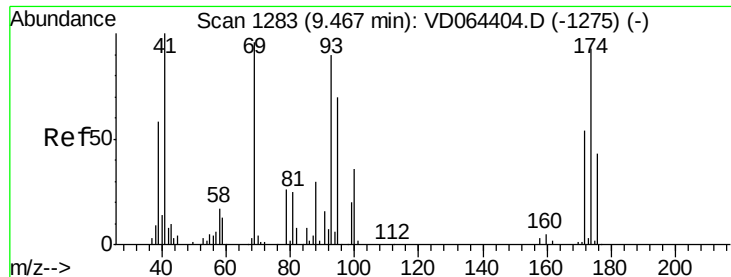
Delta R.T. -0.01 min

Lab File: VD064506.D

Acq: 13 Dec 2019 14:42

Tgt Ion:	41	Resp:	108606
Ion Ratio	Lower	Upper	
41	100		
69	88.1	72.0	108.0
39	63.0	55.2	82.8





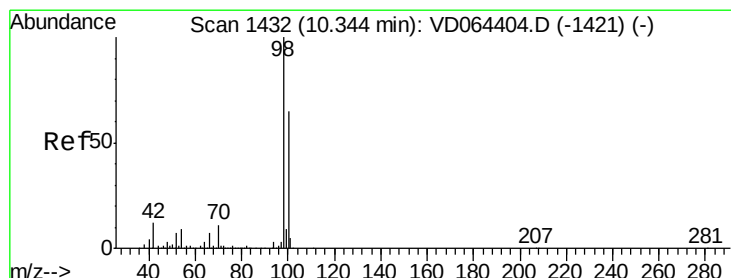
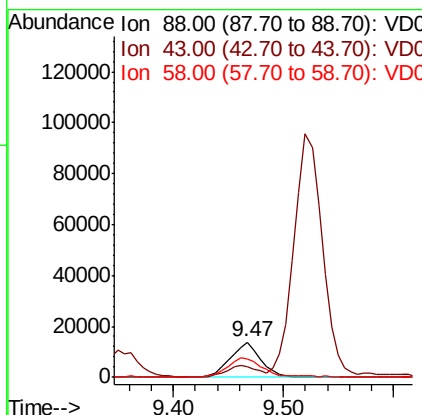
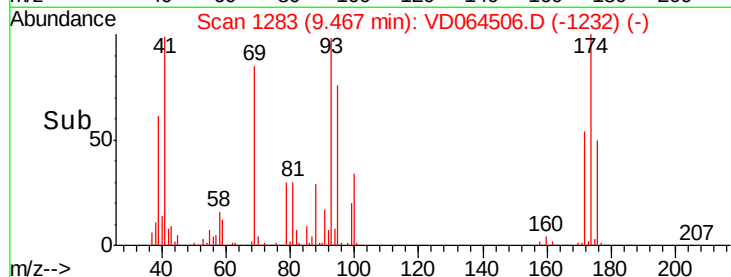
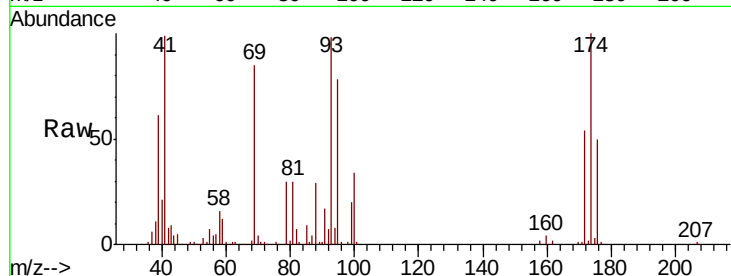
#49
1,4-Dioxane
Concen: 1001.454 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD064506.D
Acq: 13 Dec 2019 14:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	26742
Ion	Ratio	Lower	Upper
88	100		
43	31.6	26.7	40.1
58	63.1	52.3	78.5

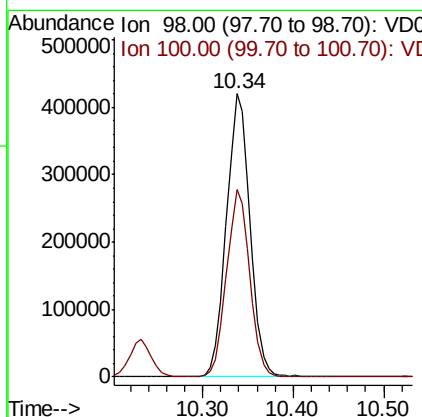
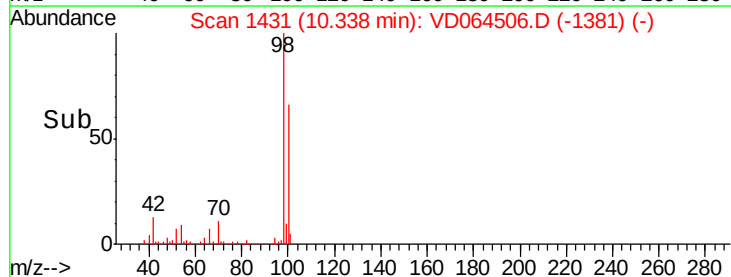
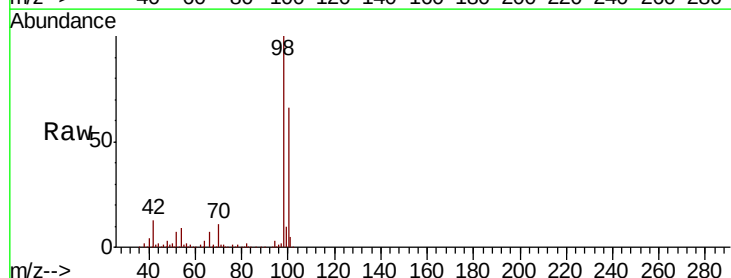
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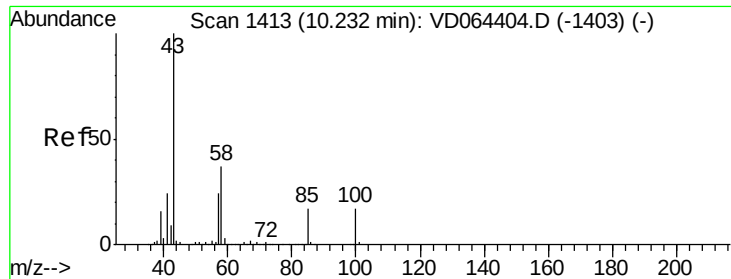
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#50
Toluene-d8
Concen: 52.508 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VD064506.D
Acq: 13 Dec 2019 14:42

Tgt Ion	98	Resp	759960
Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.6	79.0





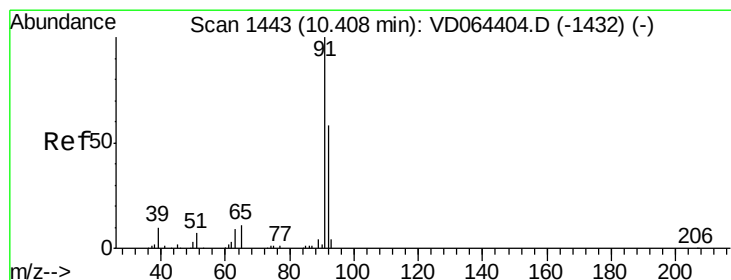
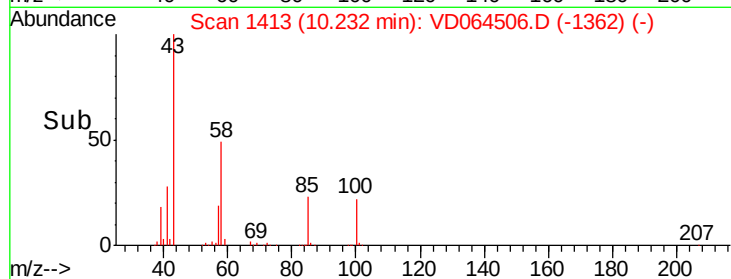
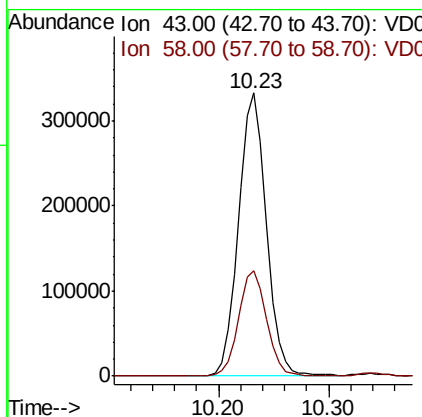
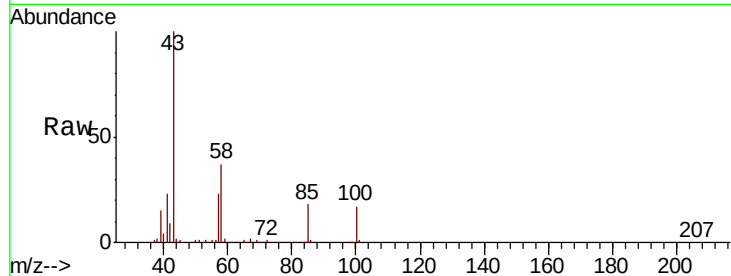
#51
4-Methyl-2-Pentanone
Concen: 247.704 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD064506.D
Acq: 13 Dec 2019 14:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 589808
Ion Ratio Lower Upper
43 100
58 37.6 30.6 46.0

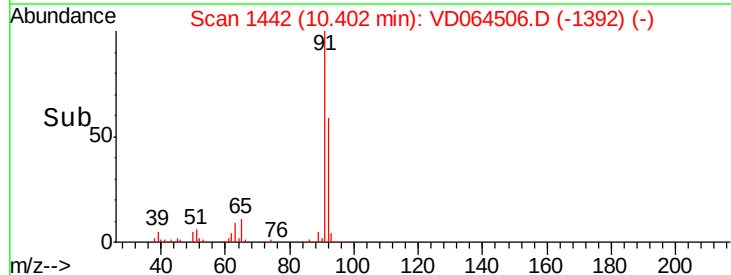
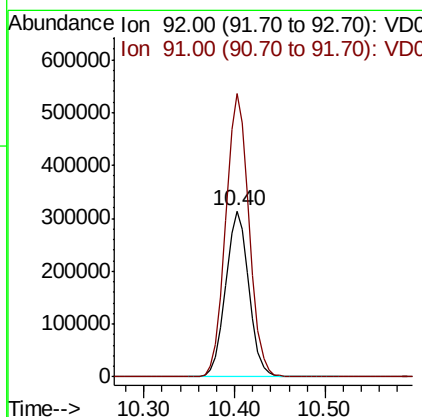
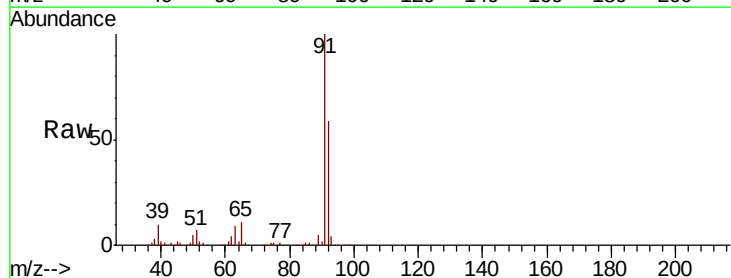
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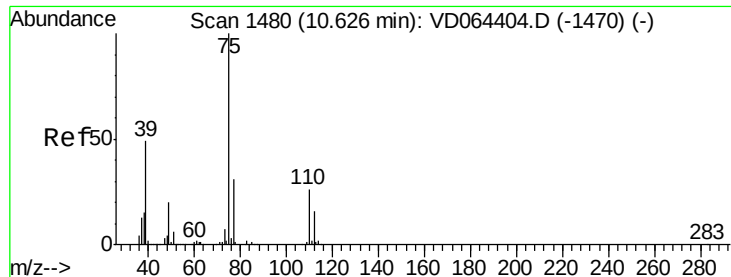
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#52
Toluene
Concen: 53.348 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. -0.01 min
Lab File: VD064506.D
Acq: 13 Dec 2019 14:42

Tgt Ion: 92 Resp: 556990
Ion Ratio Lower Upper
92 100
91 172.0 137.8 206.6





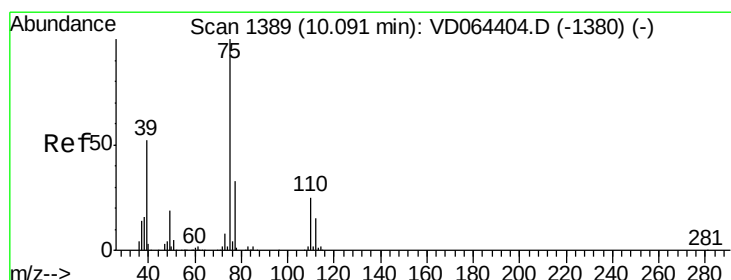
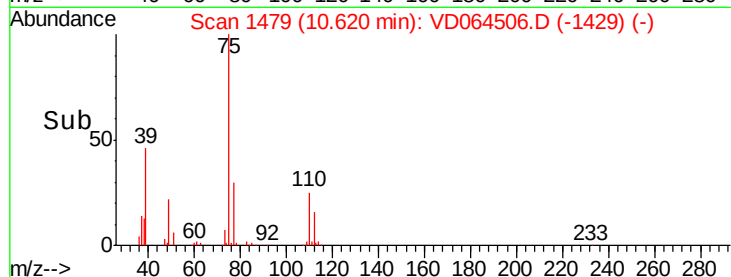
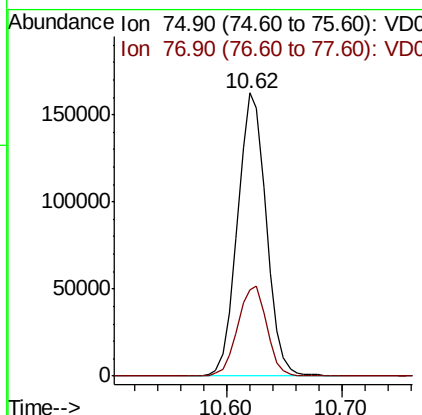
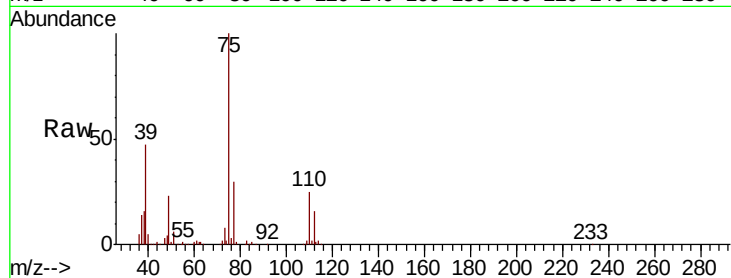
#53
t-1,3-Dichloropropene
Concen: 52.858 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. -0.01 min
Lab File: VD064506.D
Acq: 13 Dec 2019 14:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.3	25.0	37.4

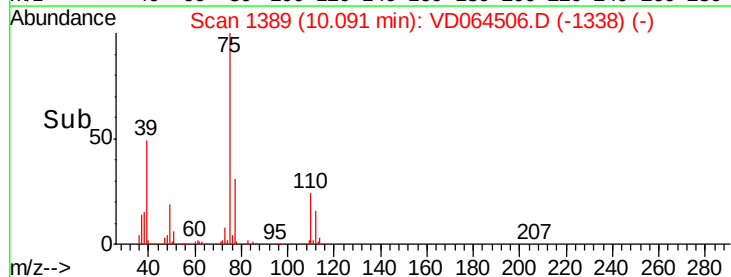
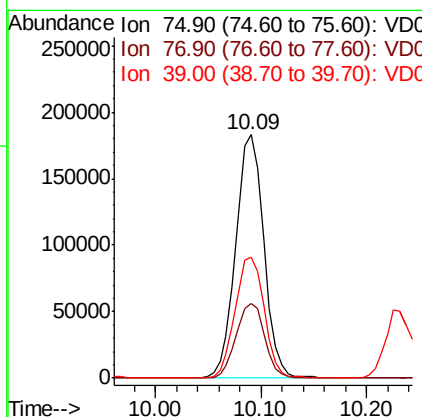
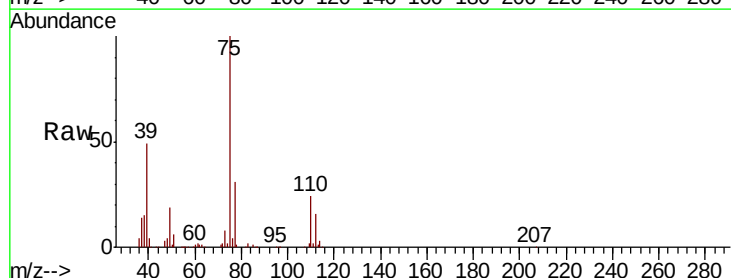
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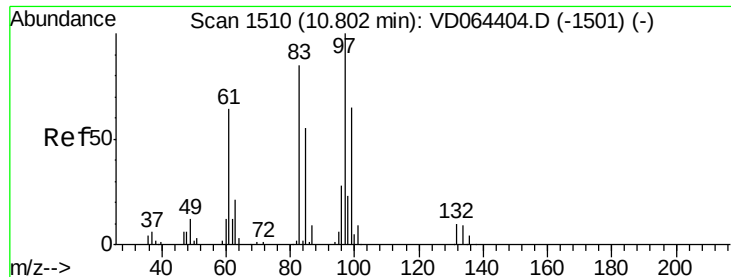
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#54
cis-1,3-Dichloropropene
Concen: 53.676 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD064506.D
Acq: 13 Dec 2019 14:42

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.5	26.1	39.1
39	49.3	41.5	62.3





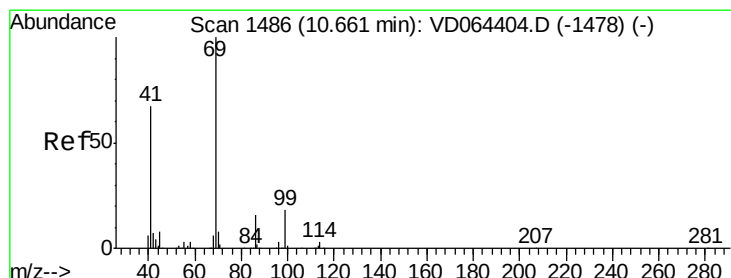
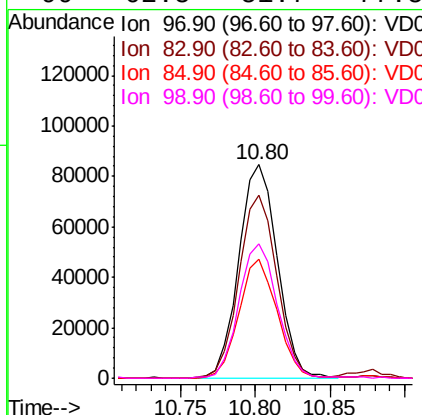
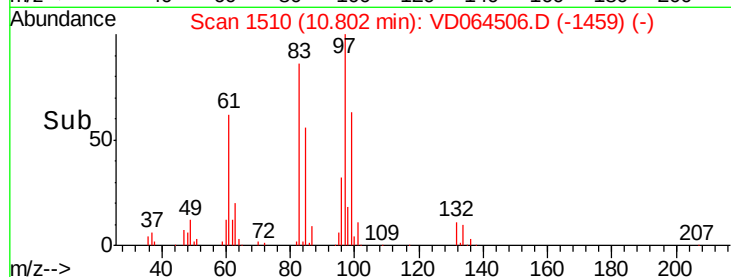
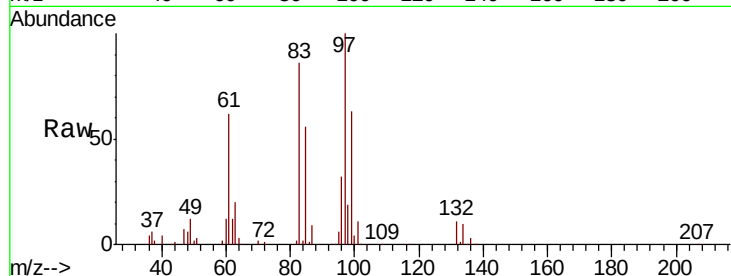
#55
 1,1,2-Trichloroethane
 Concen: 51.384 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD064506.D
 Acq: 13 Dec 2019 14:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	152148
Ion	Ratio	Lower	Upper
97	100		
83	85.5	67.8	101.8
85	56.0	43.7	65.5
99	62.5	51.7	77.5

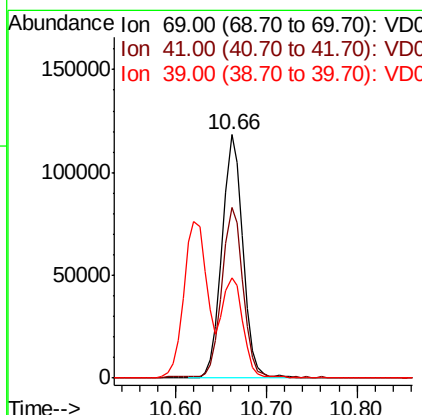
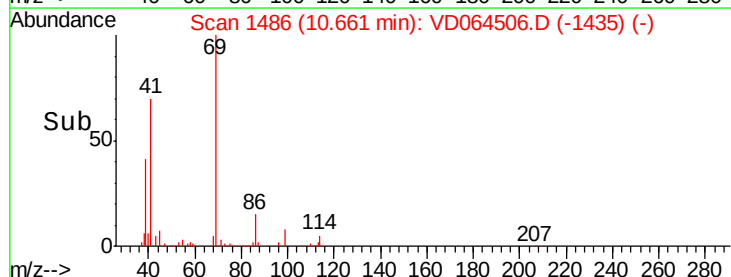
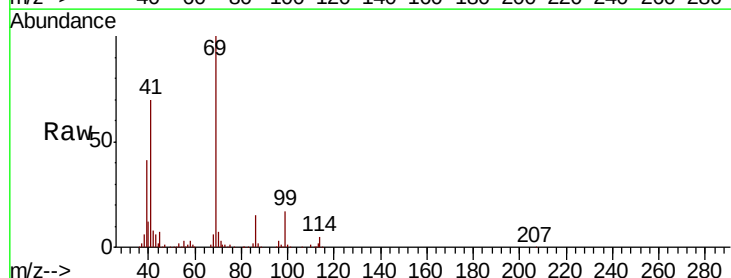
Manual Integrations
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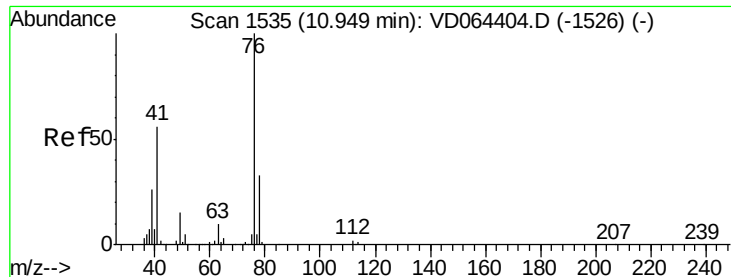
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#56
 Ethyl methacrylate
 Concen: 49.897 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD064506.D
 Acq: 13 Dec 2019 14:42

Tgt Ion:	69	Resp:	188440
Ion	Ratio	Lower	Upper
69	100		
41	70.5	55.0	82.4
39	40.9	33.0	49.6





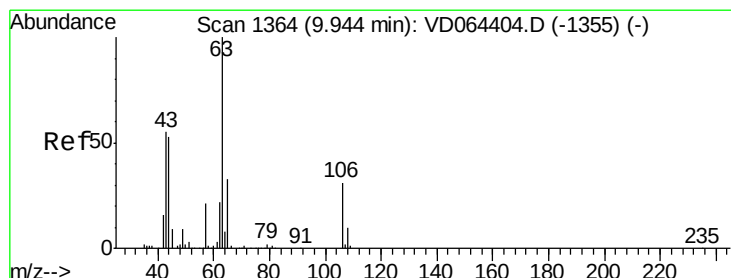
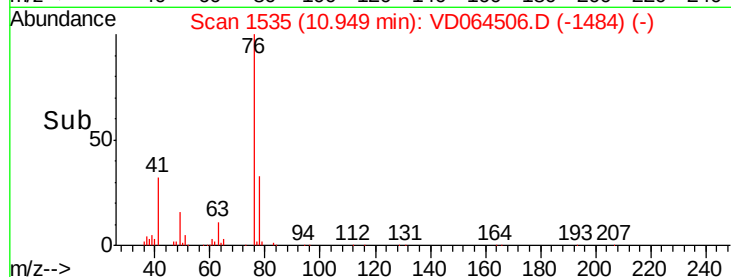
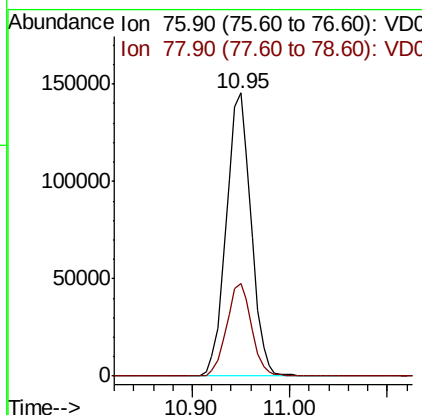
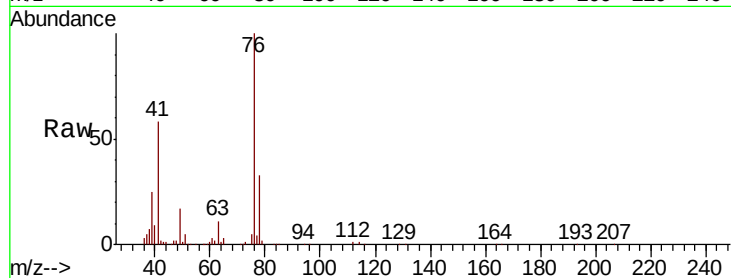
#57
 1,3-Dichloropropane
 Concen: 50.872 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD064506.D
 Acq: 13 Dec 2019 14:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 256417
 Ion Ratio Lower Upper
 76 100
 78 32.7 26.0 39.0

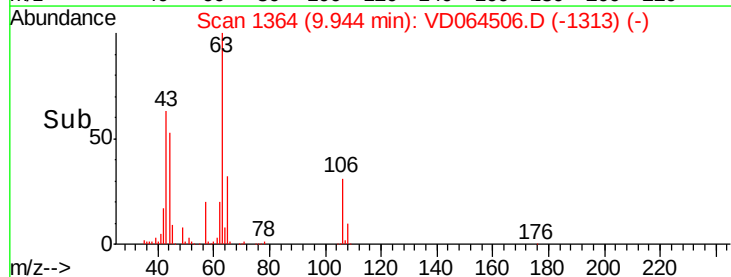
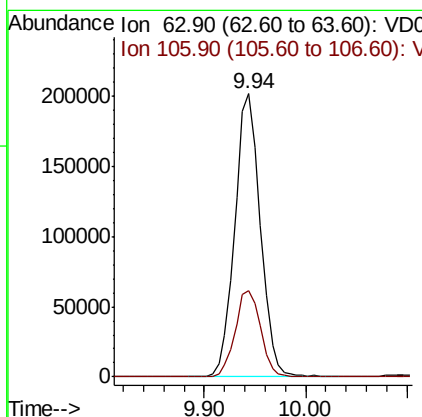
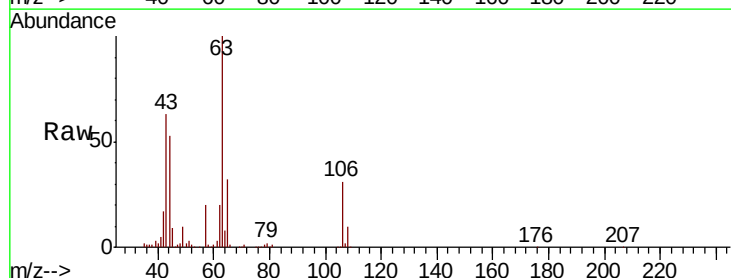
Manual Integrations
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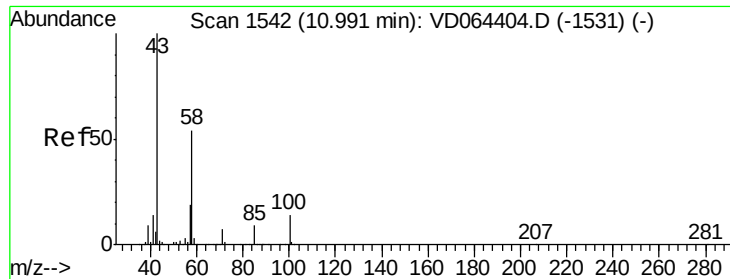
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#58
 2-Chloroethyl Vinyl ether
 Concen: 234.860 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD064506.D
 Acq: 13 Dec 2019 14:42

Tgt Ion: 63 Resp: 353581
 Ion Ratio Lower Upper
 63 100
 106 30.5 24.2 36.4





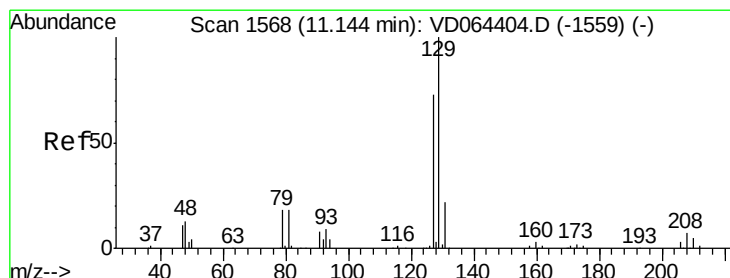
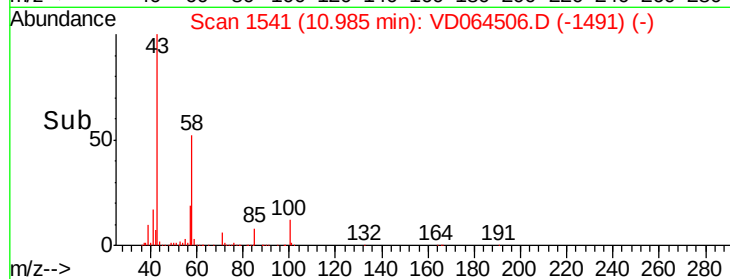
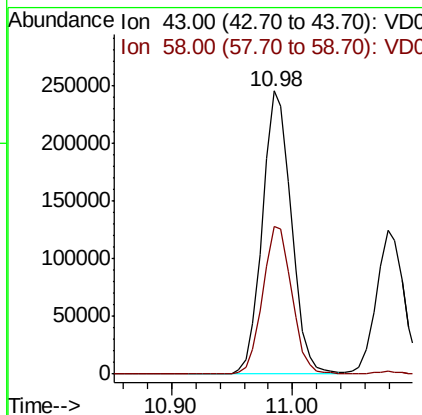
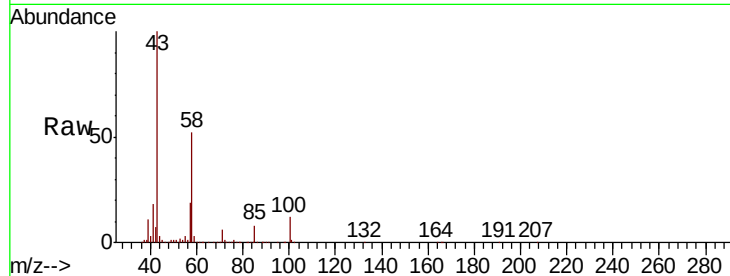
#59
2-Hexanone
Concen: 245.298 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD064506.D
Acq: 13 Dec 2019 14:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	405285
Ion Ratio	100	Lower	Upper
58	52.7	26.3	78.8

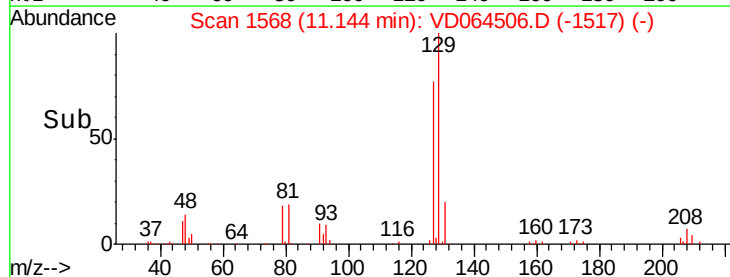
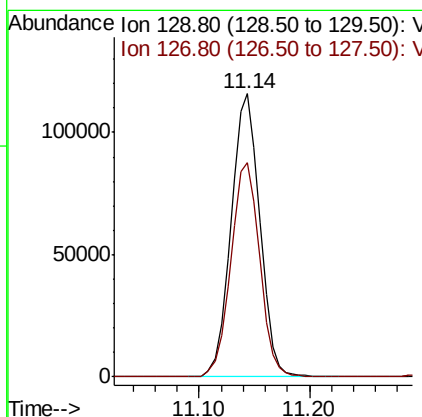
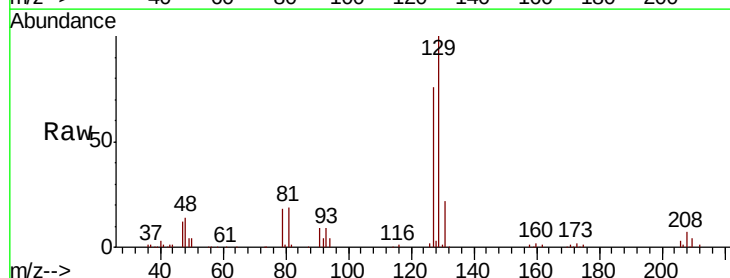
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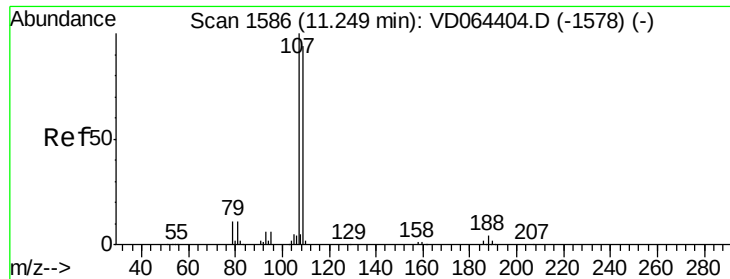
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#60
Dibromochloromethane
Concen: 52.642 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064506.D
Acq: 13 Dec 2019 14:42

Tgt Ion	129	Resp	211340	
Ion Ratio	129	100	Lower	Upper
127	76.2	38.1	114.3	





#61

1,2-Dibromoethane

Concen: 50.805 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VD064506.D

Acq: 13 Dec 2019 14:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 150203

Ion Ratio Lower Upper

107 100

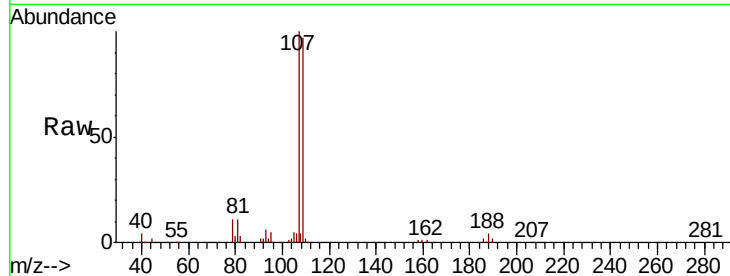
109 91.2 76.2 114.2

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.25

80000

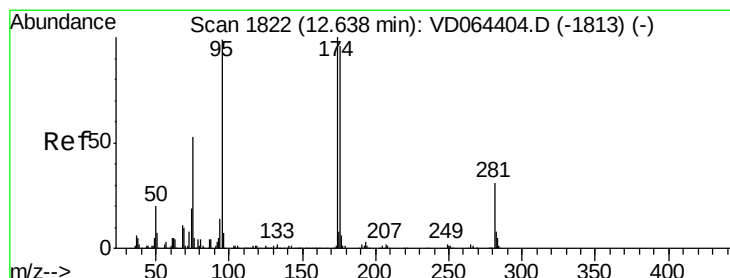
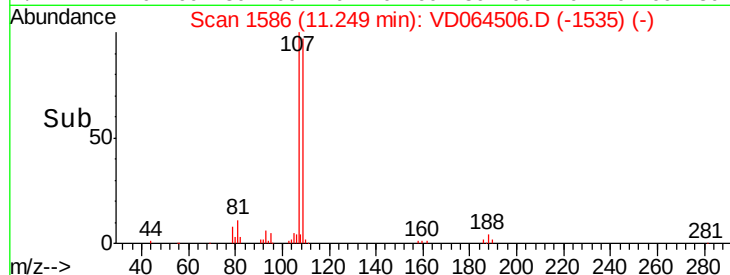
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 50.820 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064506.D

Acq: 13 Dec 2019 14:42

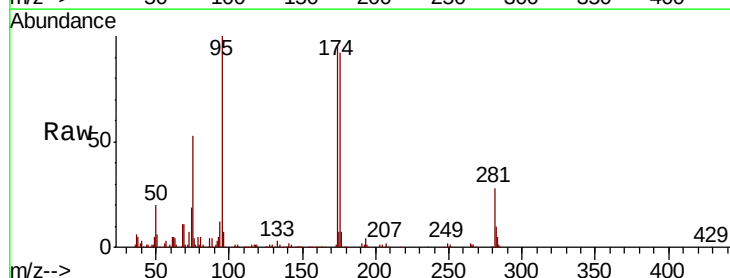
Tgt Ion: 95 Resp: 236380

Ion Ratio Lower Upper

95 100

174 98.6 0.0 197.2

176 94.1 0.0 189.6



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

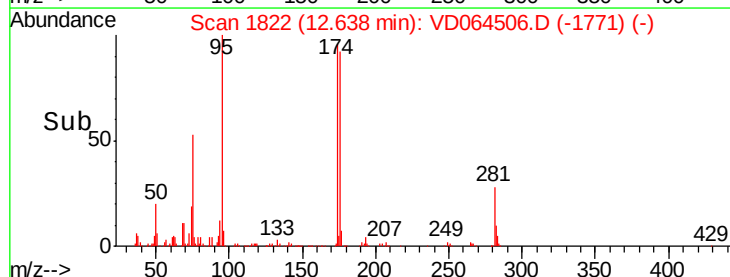
150000

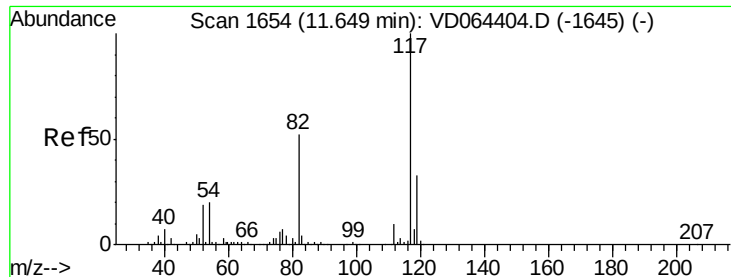
100000

50000

0

Time-->





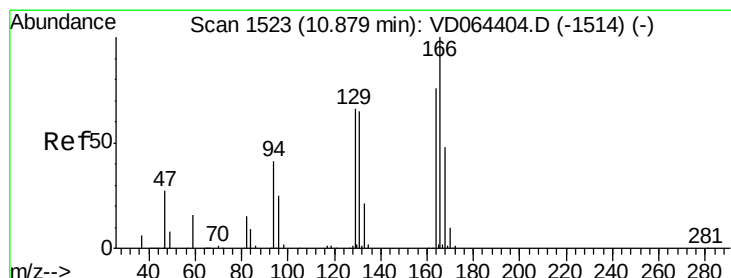
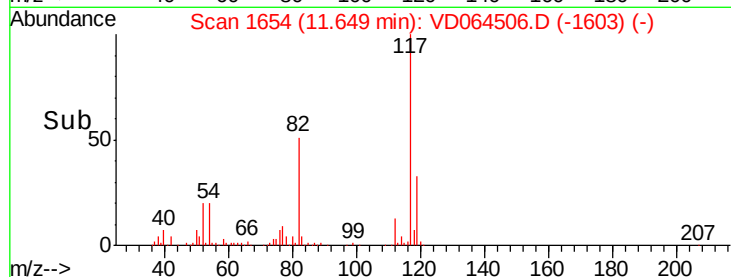
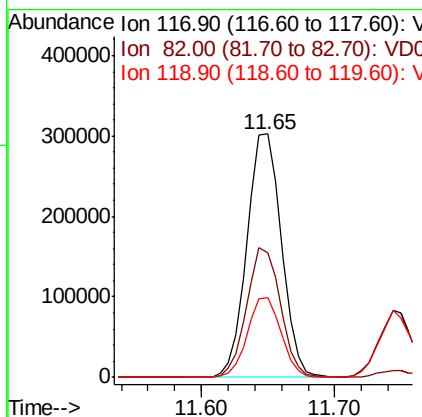
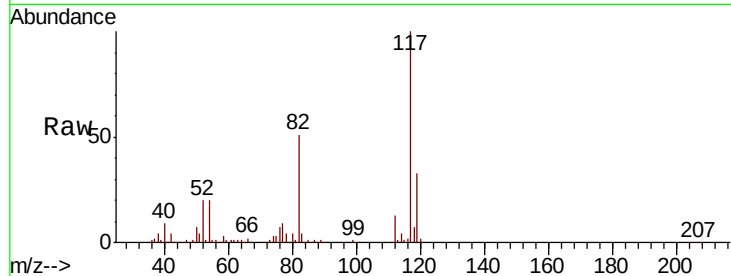
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064506.D
Acq: 13 Dec 2019 14:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.0	41.4	62.2
119	32.6	26.2	39.2

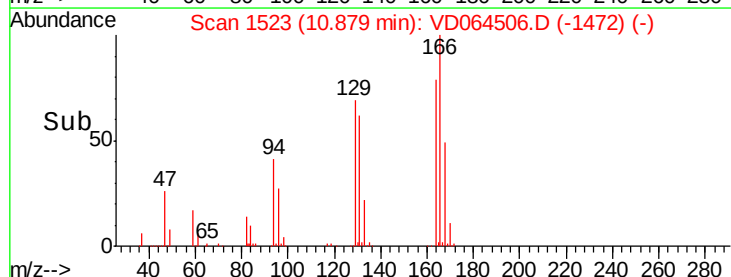
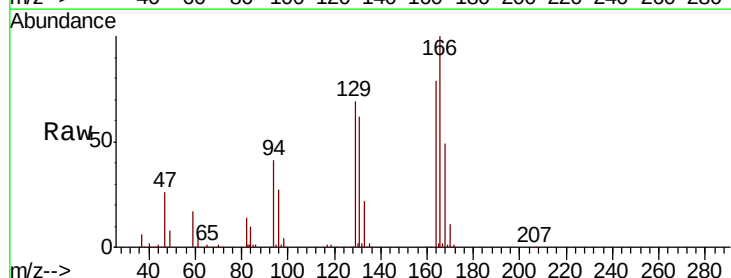
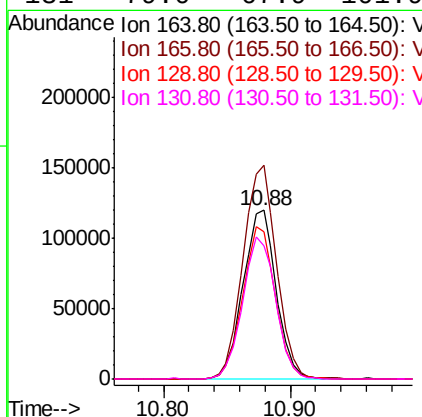
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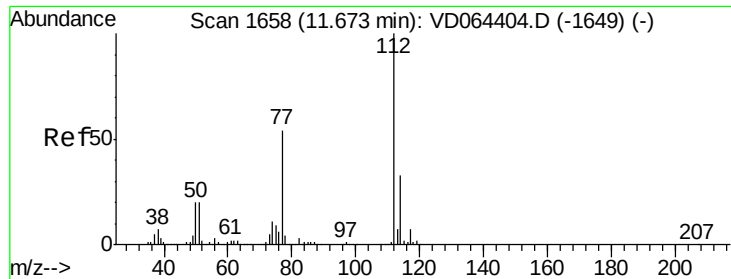
apatel
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#64
Tetrachloroethene
Concen: 52.700 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD064506.D
Acq: 13 Dec 2019 14:42

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.8	104.8	157.2
129	87.4	68.7	103.1
131	79.0	67.9	101.9





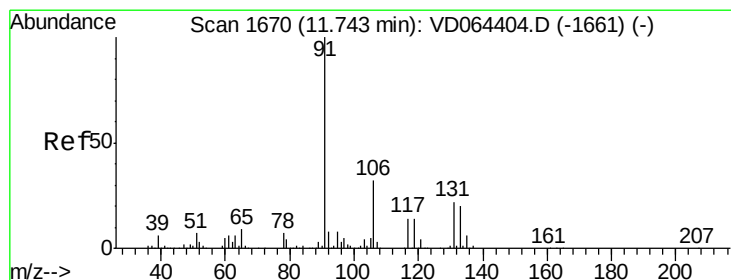
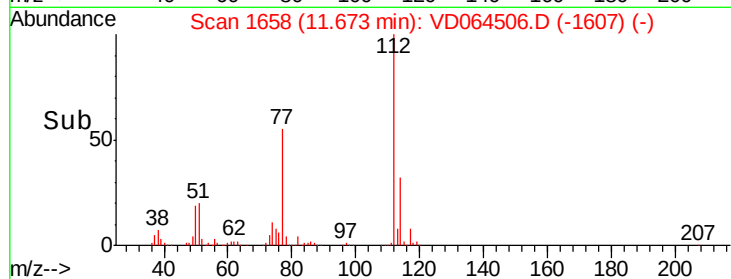
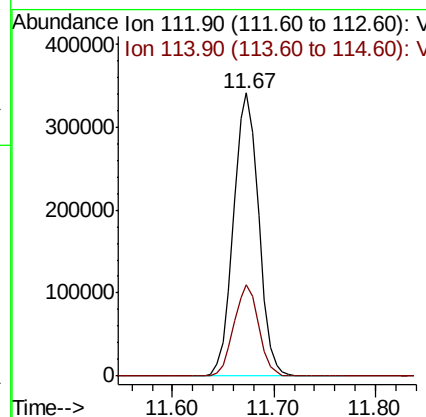
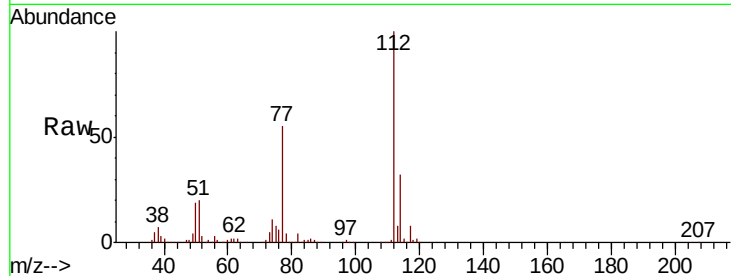
#65
Chlorobenzene
Concen: 51.959 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064506.D
Acq: 13 Dec 2019 14:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.5	26.5	39.7

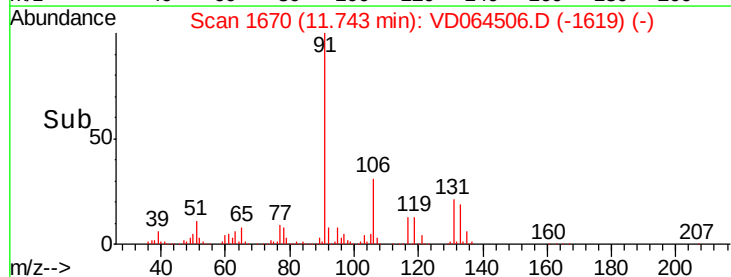
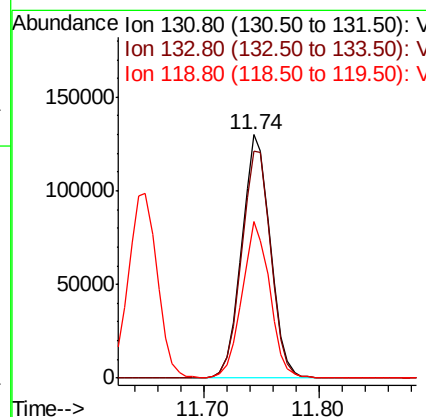
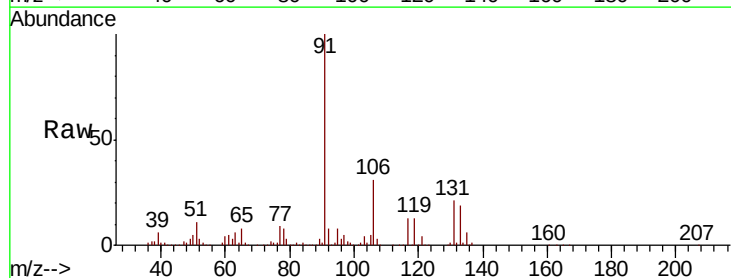
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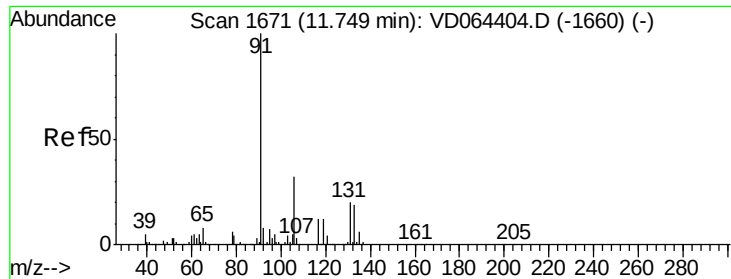
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 53.394 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD064506.D
Acq: 13 Dec 2019 14:42

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.0	48.3	144.9
119	62.6	31.9	95.9





#67

Ethyl Benzene

Concen: 53.475 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064506.D

Acq: 13 Dec 2019 14:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1072568

Ion Ratio Lower Upper

91 100

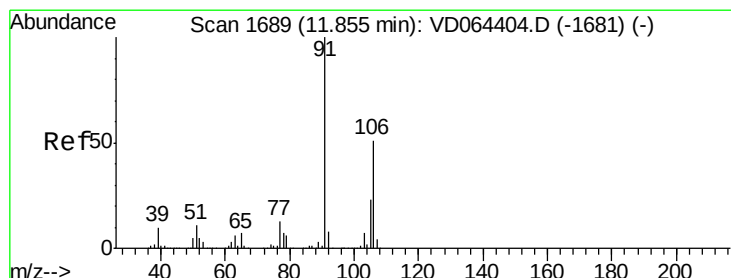
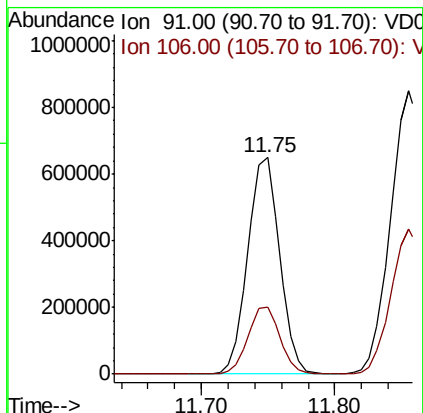
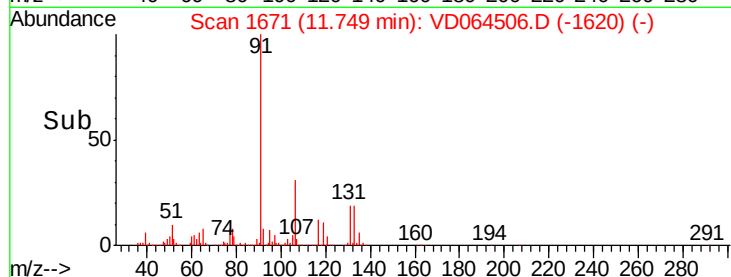
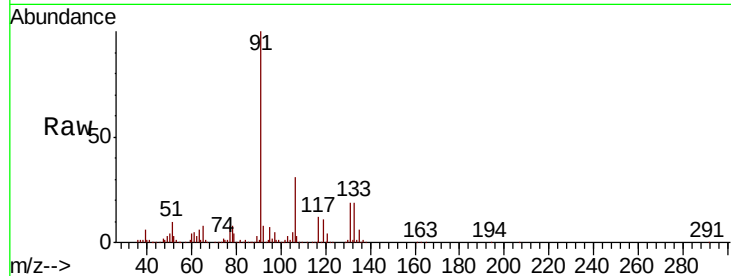
106 30.8 25.8 38.8

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#68

m/p-Xylenes

Concen: 107.305 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD064506.D

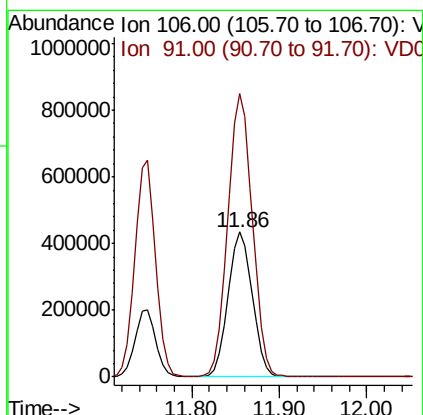
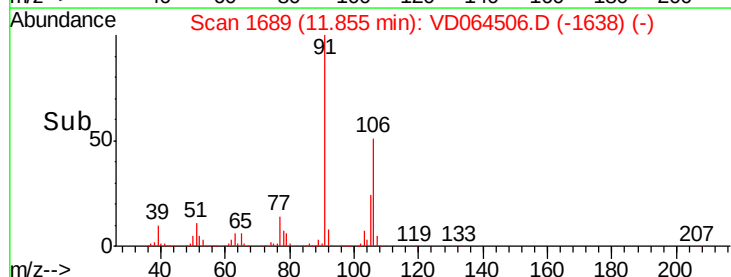
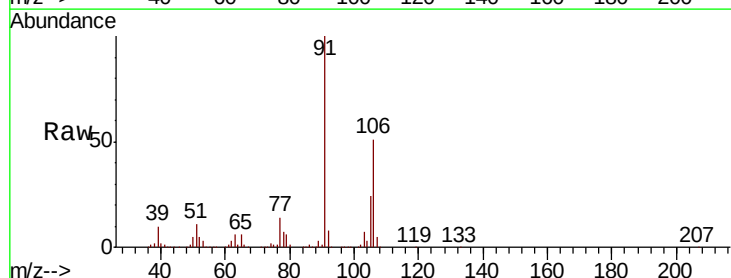
Acq: 13 Dec 2019 14:42

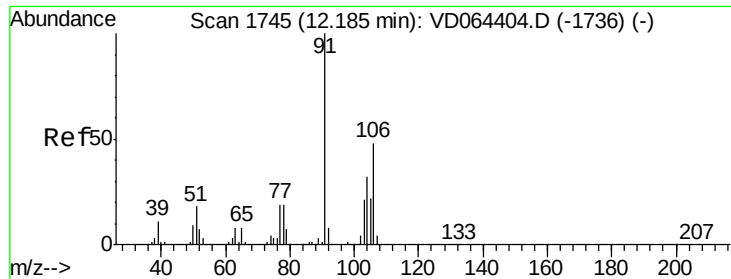
Tgt Ion: 106 Resp: 820634

Ion Ratio Lower Upper

106 100

91 198.0 157.4 236.2





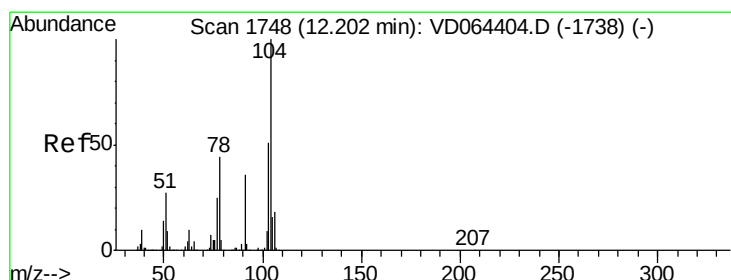
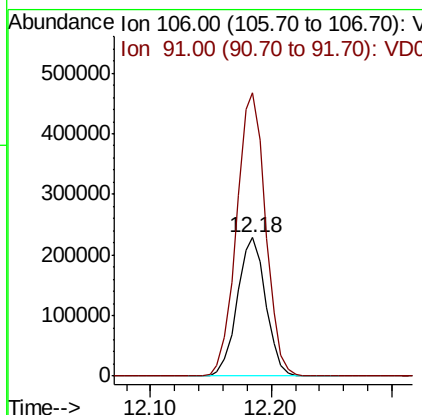
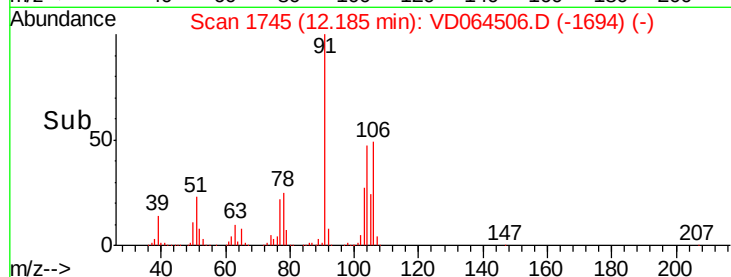
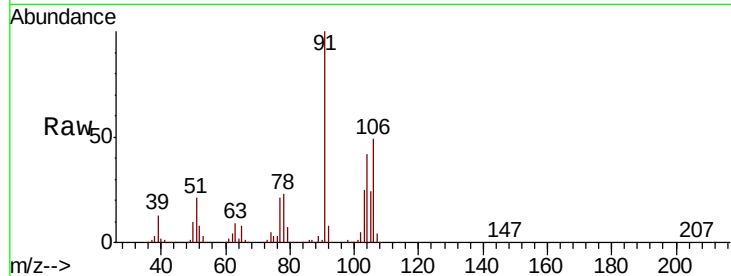
#69
o-Xylene
Concen: 53.381 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064506.D
Acq: 13 Dec 2019 14:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 377032
Ion Ratio Lower Upper
106 100
91 207.5 103.8 311.4

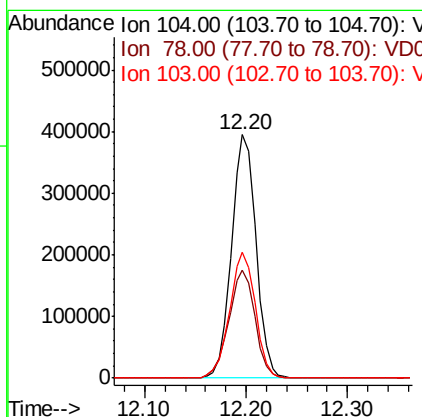
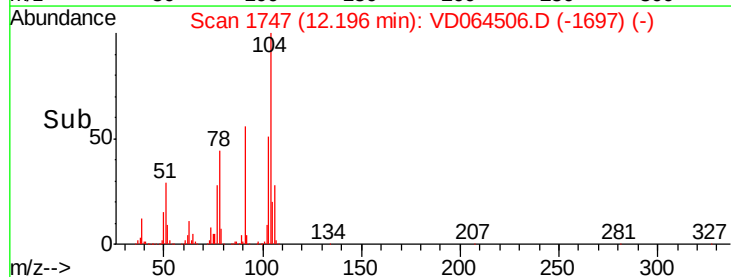
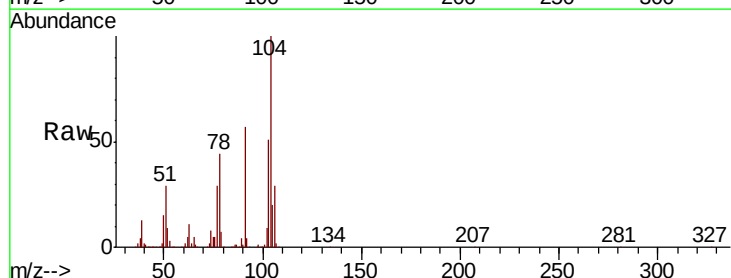
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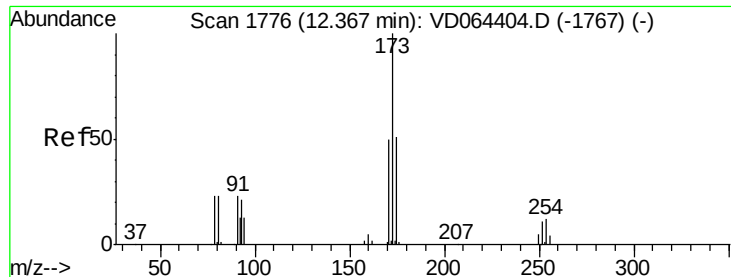
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#70
Styrene
Concen: 53.903 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD064506.D
Acq: 13 Dec 2019 14:42

Tgt Ion:104 Resp: 661605
Ion Ratio Lower Upper
104 100
78 47.3 38.8 58.2
103 54.5 44.2 66.4





#71

Bromoform

Concen: 51.130 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD064506.D

Acq: 13 Dec 2019 14:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 127658

Ion Ratio Lower Upper

173 100

175 50.2 25.3 75.8

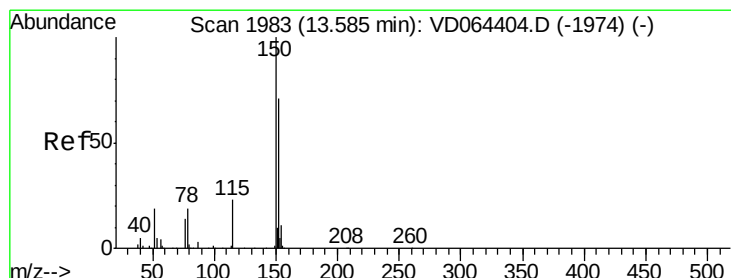
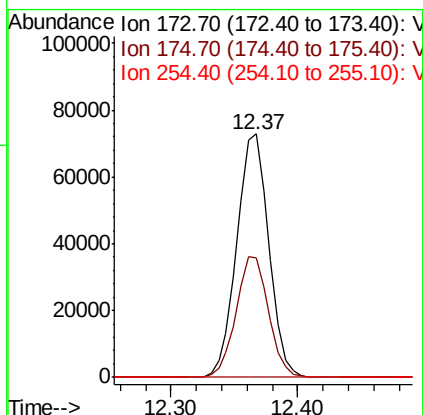
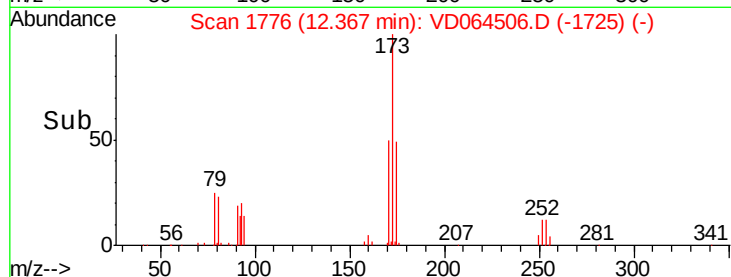
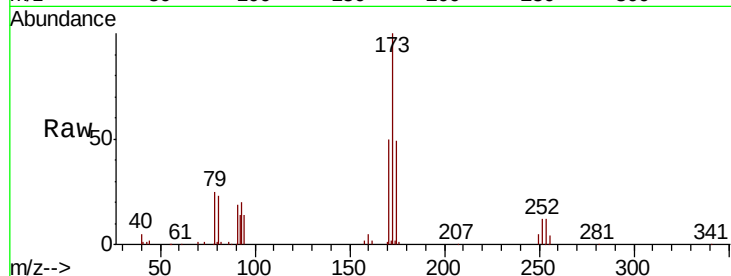
254 0.2 0.0 0.0#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD064506.D

Acq: 13 Dec 2019 14:42

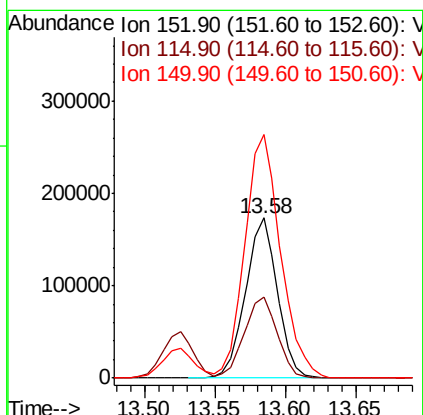
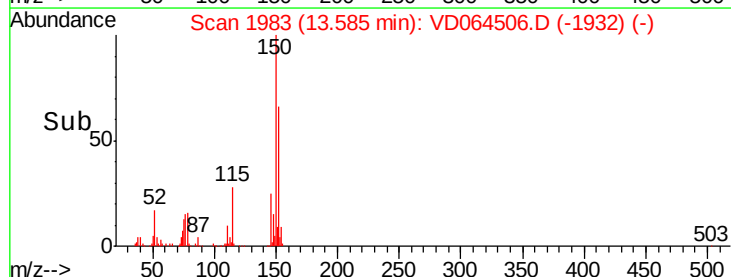
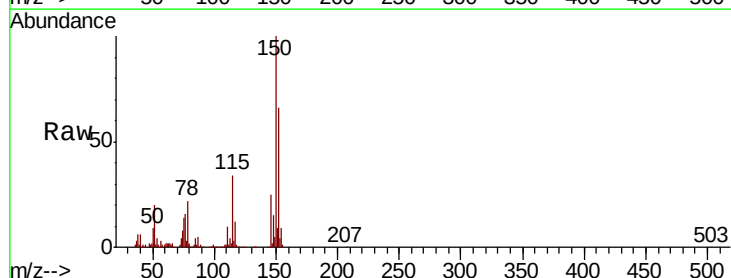
Tgt Ion:152 Resp: 274100

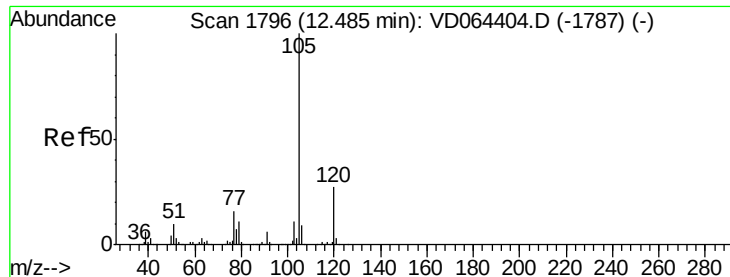
Ion Ratio Lower Upper

152 100

115 52.9 26.7 80.1

150 170.4 0.0 347.2





#73

Isopropylbenzene

Concen: 53.017 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD064506.D

Acq: 13 Dec 2019 14:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 1045162

Ion Ratio Lower Upper

105 100

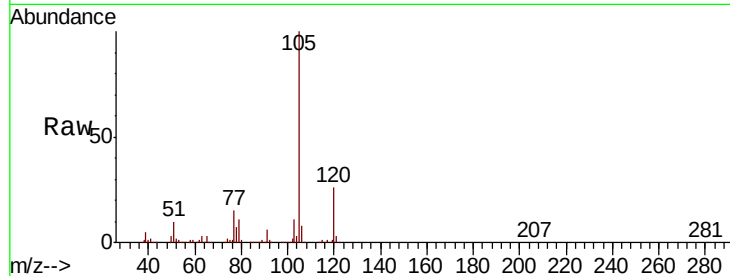
120 26.7 13.4 40.2

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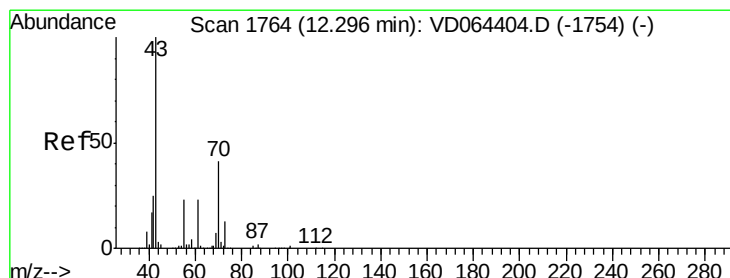
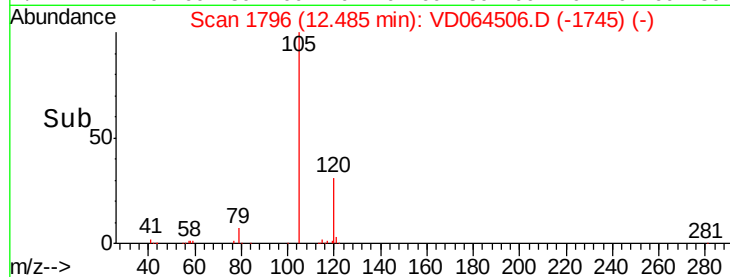
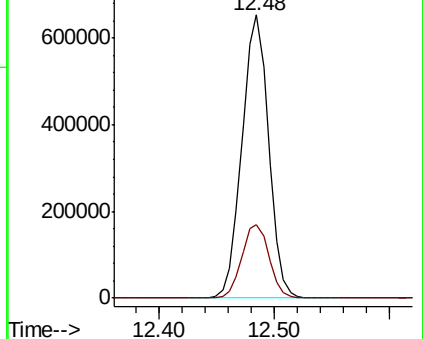
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 47.740 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD064506.D

Acq: 13 Dec 2019 14:42

Tgt Ion: 43 Resp: 213599

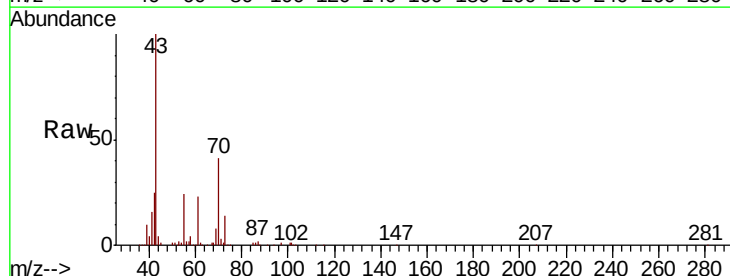
Ion Ratio Lower Upper

43 100

70 42.6 33.4 50.2

55 24.0 18.9 28.3

61 23.5 18.5 27.7

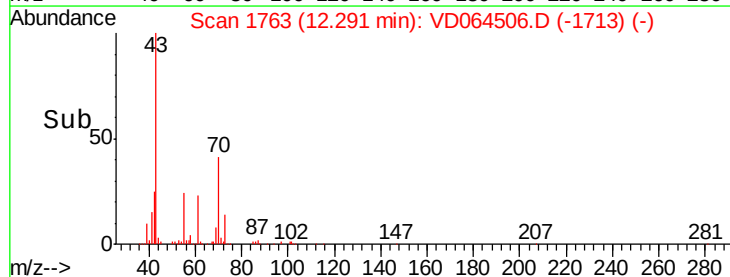
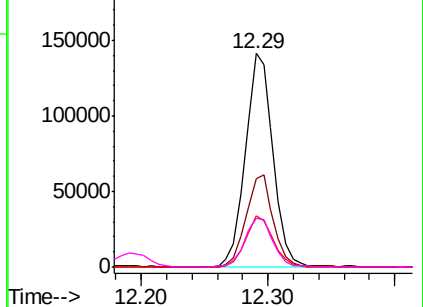


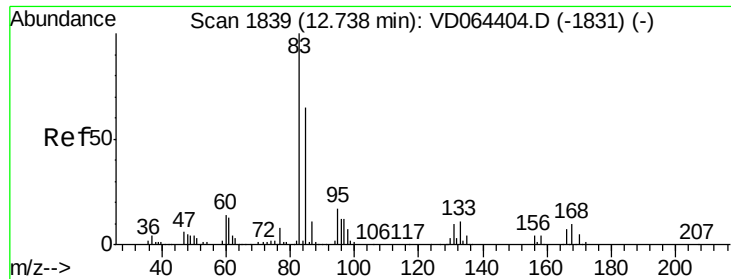
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 47.946 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064506.D

Acq: 13 Dec 2019 14:42

Instrument :

MSVOA_D

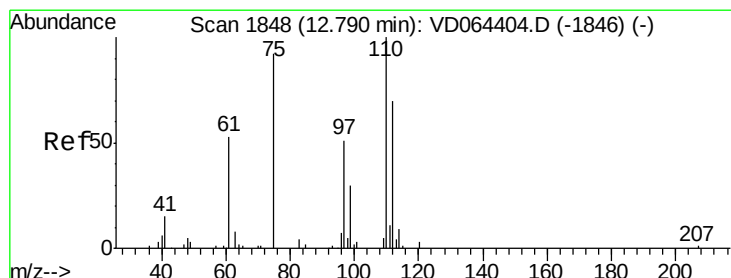
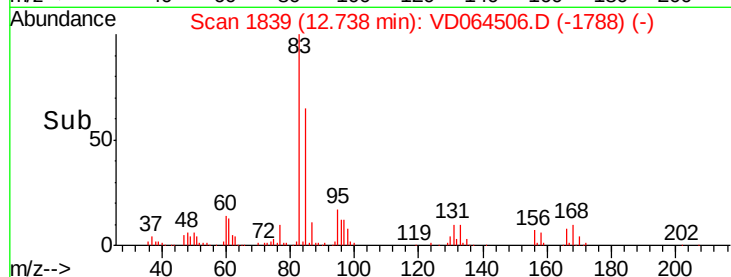
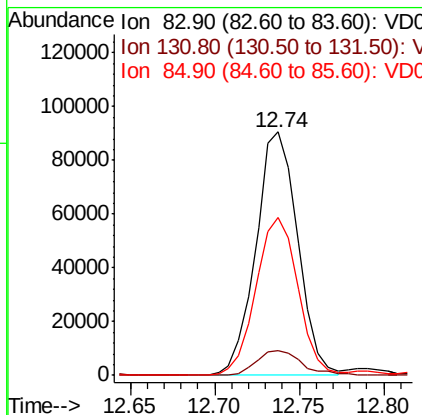
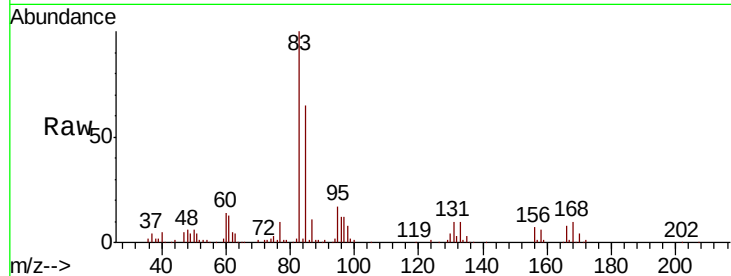
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	156306
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.7	17.0
85	65.4	31.3	93.9

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#76

1,2,3-Trichloropropane

Concen: 42.565 ug/l m

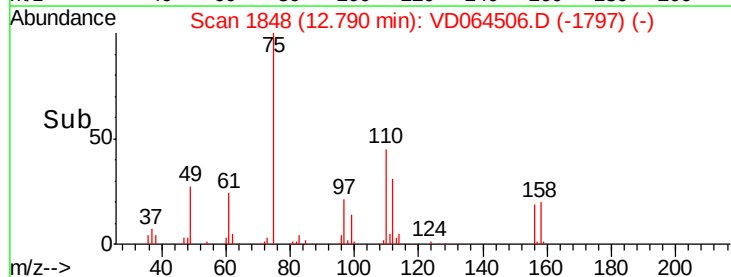
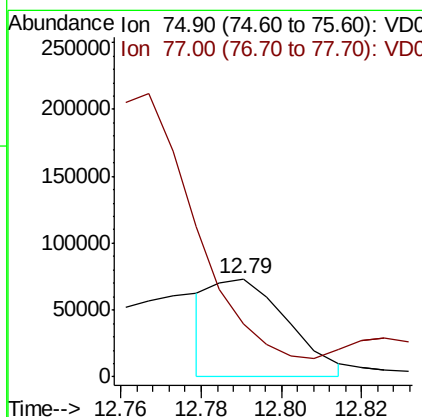
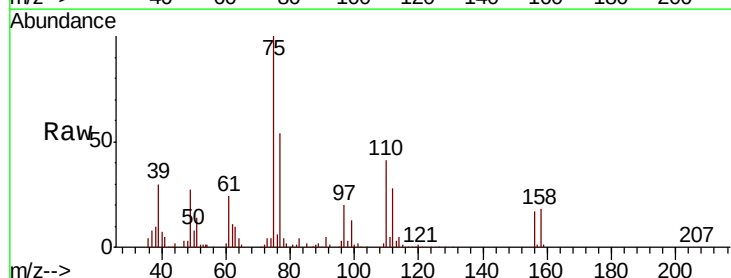
RT: 12.79 min Scan# 1848

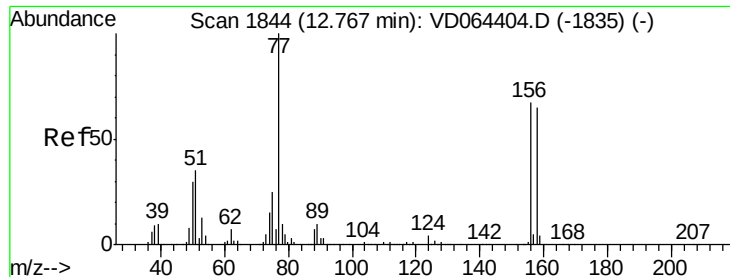
Delta R.T. 0.00 min

Lab File: VD064506.D

Acq: 13 Dec 2019 14:42

Tgt Ion:	75	Resp:	95946
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 50.570 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD064506.D

Acq: 13 Dec 2019 14:42

Instrument :

MSVOA_D

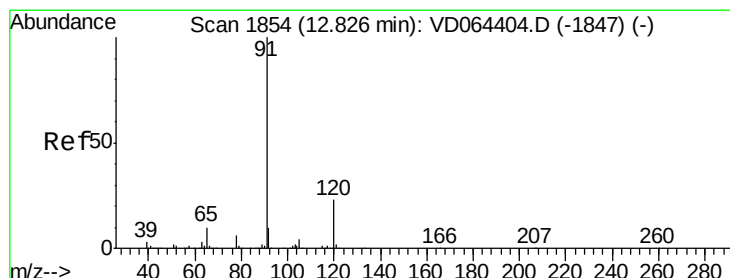
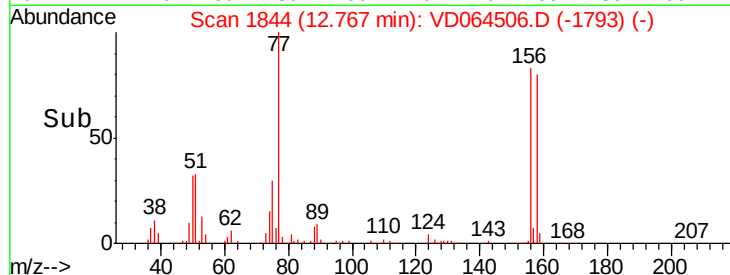
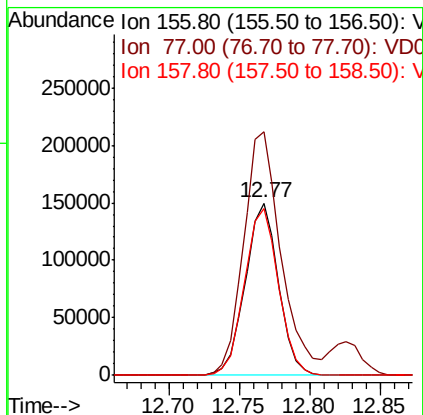
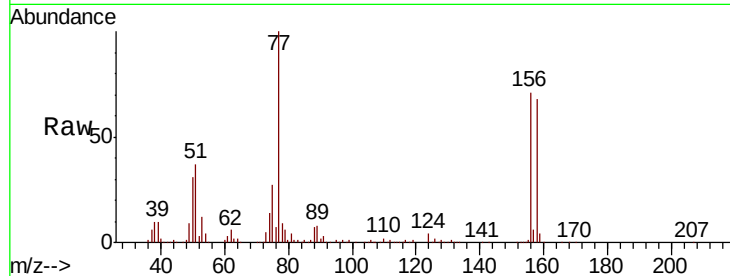
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	160.5	80.0	240.2
158	99.0	48.9	146.6

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#78

n-propylbenzene

Concen: 52.806 ug/l

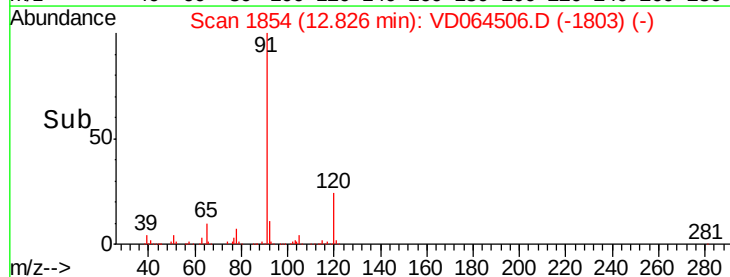
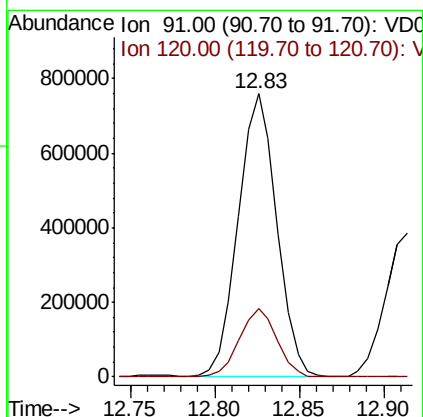
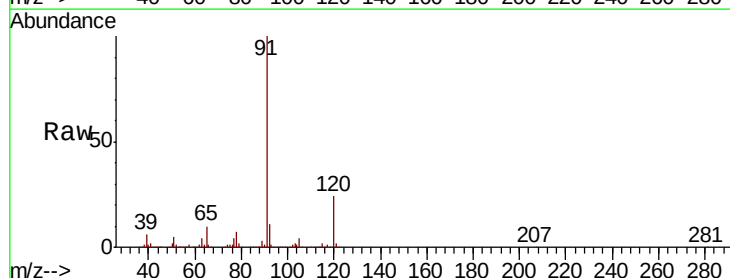
RT: 12.83 min Scan# 1854

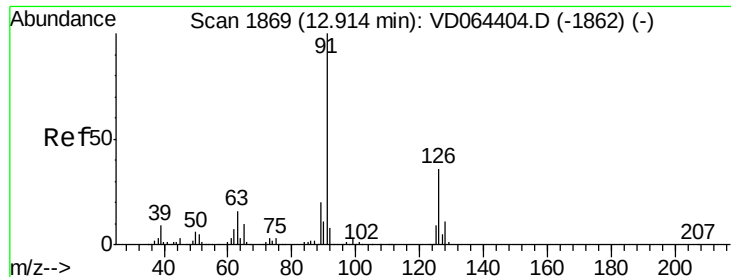
Delta R.T. 0.00 min

Lab File: VD064506.D

Acq: 13 Dec 2019 14:42

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.5	11.9	35.9





#79

2-Chlorotoluene

Concen: 51.049 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD064506.D

Acq: 13 Dec 2019 14:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 638918

Ion Ratio Lower Upper

91 100

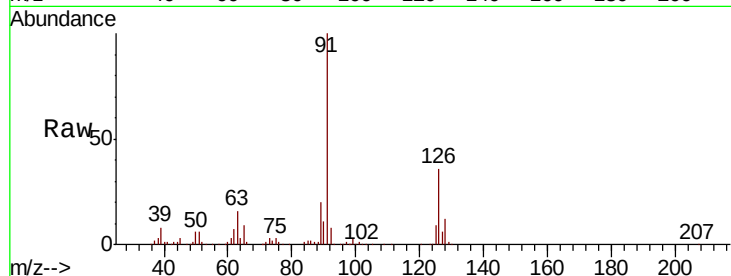
126 36.8 18.0 54.0

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VD064404.D (-1862) (-)

Ion 125.90 (125.60 to 126.60): VD064404.D (-1862) (-)

12.91

400000

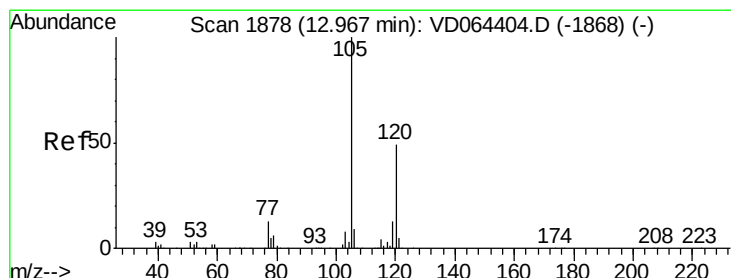
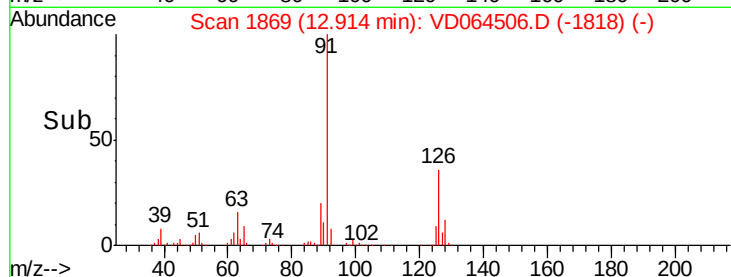
300000

200000

100000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 52.472 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064506.D

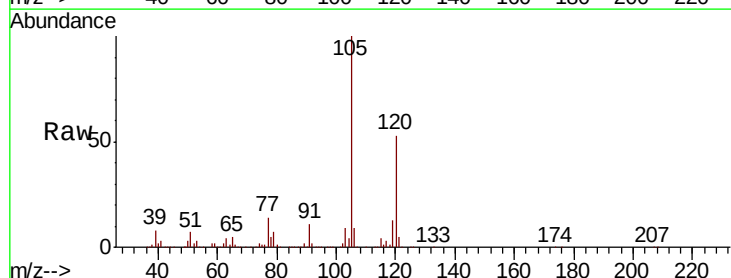
Acq: 13 Dec 2019 14:42

Tgt Ion:105 Resp: 845307

Ion Ratio Lower Upper

105 100

120 50.7 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): VD064404.D (-1868) (-)

Ion 120.00 (119.70 to 120.70): VD064404.D (-1868) (-)

12.97

600000

500000

400000

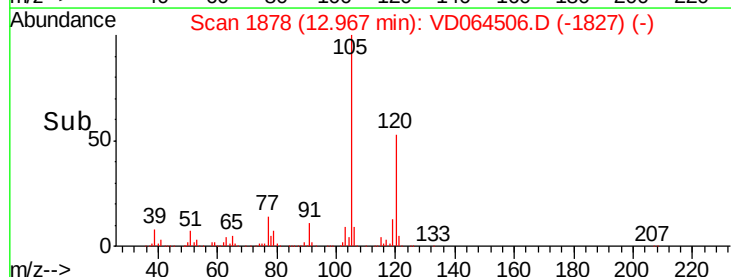
300000

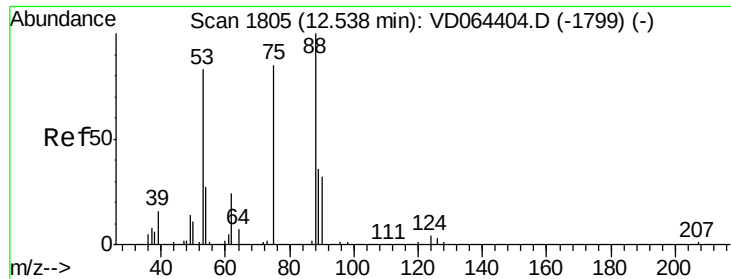
200000

100000

0

Time-->





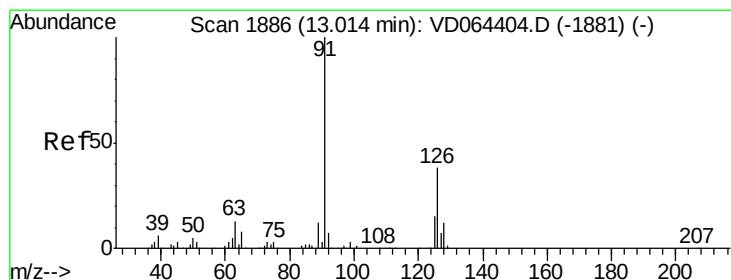
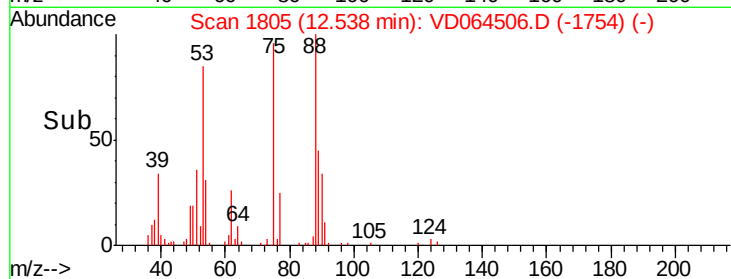
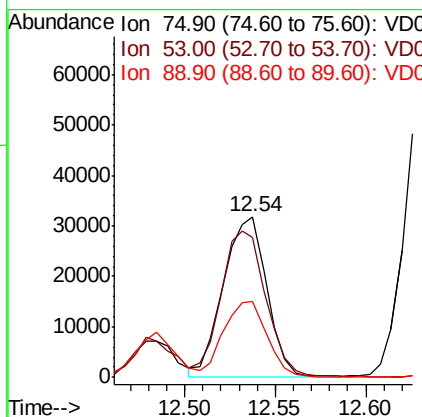
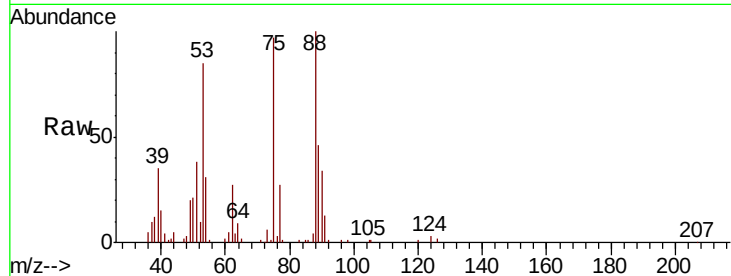
#81
trans-1,4-Dichloro-2-butene
Concen: 51.257 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. -0.00 min
Lab File: VD064506.D
Acq: 13 Dec 2019 14:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.3	81.0	121.6
89	47.2	38.5	57.7

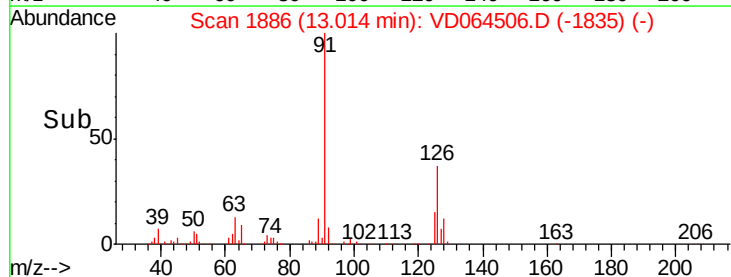
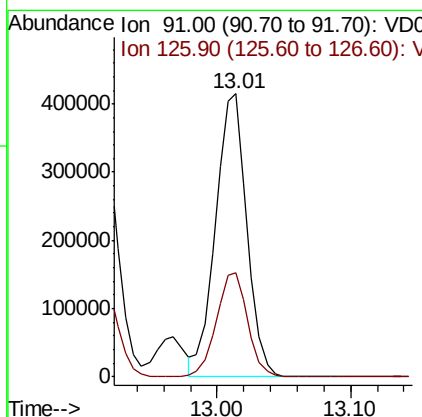
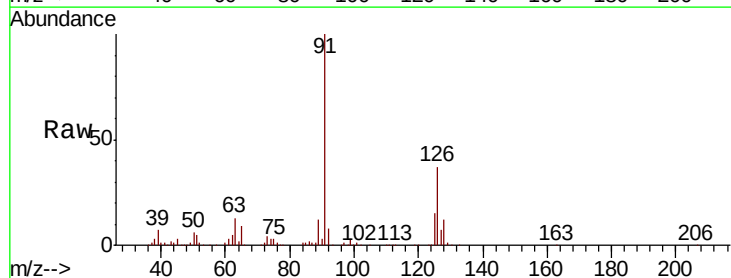
Manual Integrations
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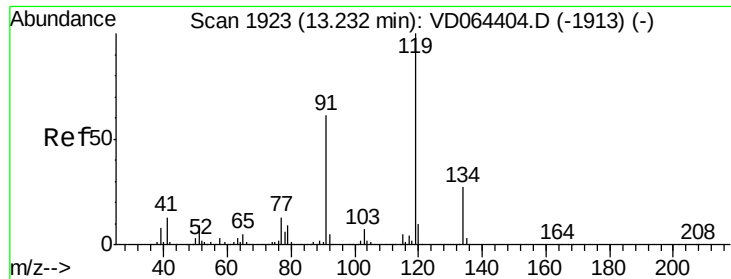
apatel
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#82
4-Chlorotoluene
Concen: 51.400 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VD064506.D
Acq: 13 Dec 2019 14:42

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.7	18.2	54.6





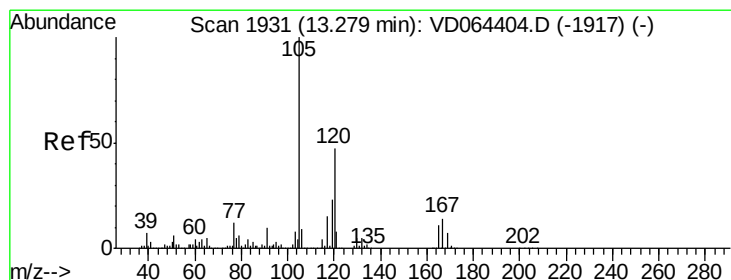
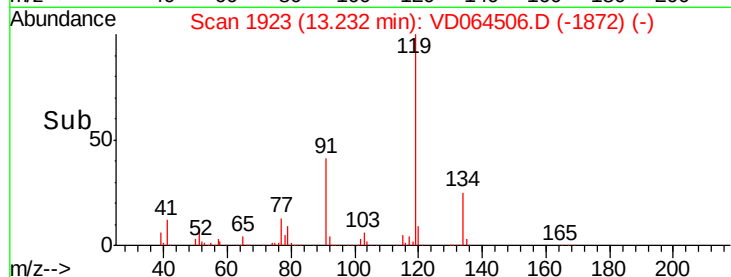
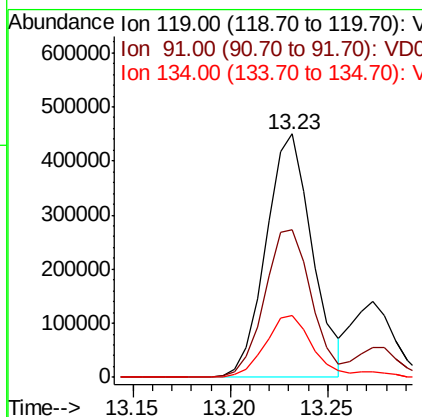
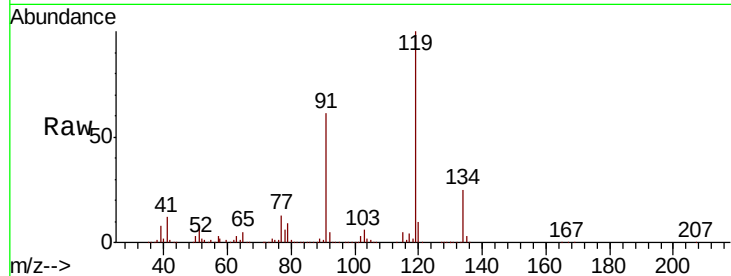
#83
 tert-Butylbenzene
 Concen: 52.735 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VD064506.D
 Acq: 13 Dec 2019 14:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.5	31.2	93.6
134	27.5	13.9	41.7

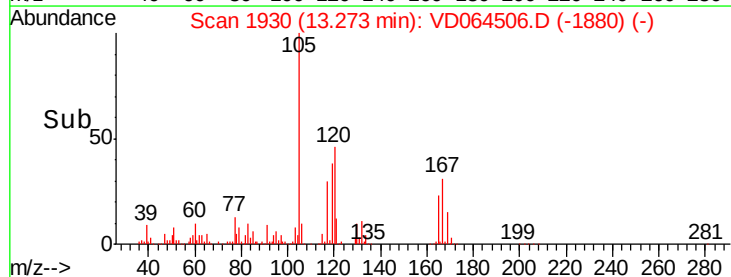
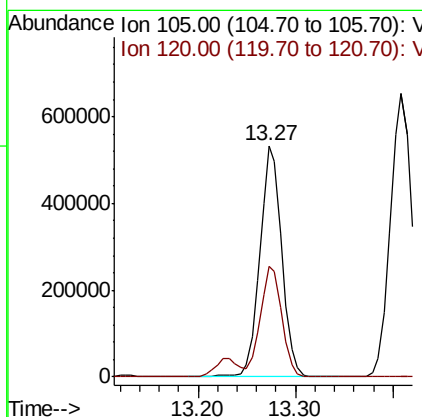
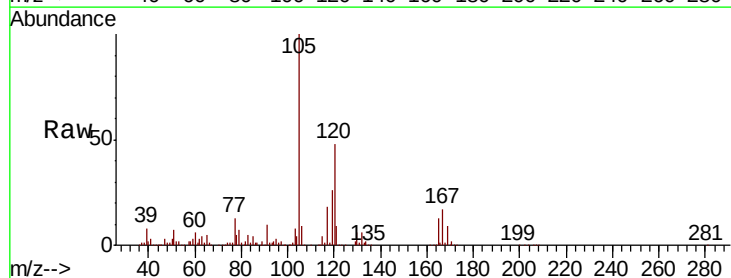
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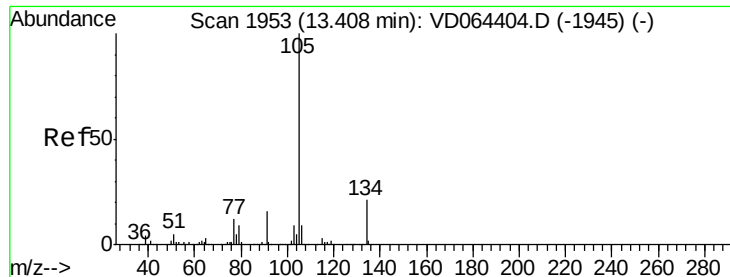
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#84
 1,2,4-Trimethylbenzene
 Concen: 51.940 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.01 min
 Lab File: VD064506.D
 Acq: 13 Dec 2019 14:42

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.8	23.6	70.8





#85

sec-Butylbenzene

Concen: 52.973 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064506.D

Acq: 13 Dec 2019 14:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1018257

Ion Ratio Lower Upper

105 100

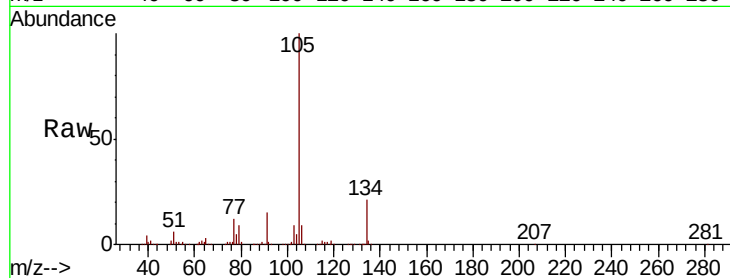
134 21.3 10.5 31.5

Manual Integrations

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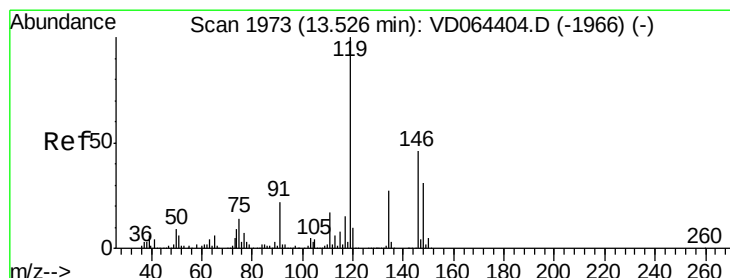
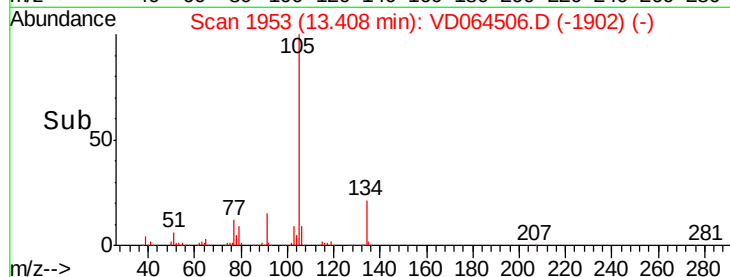
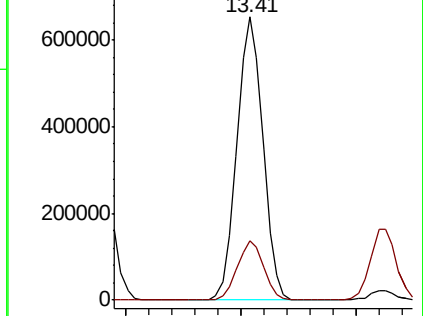
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 52.961 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD064506.D

Acq: 13 Dec 2019 14:42

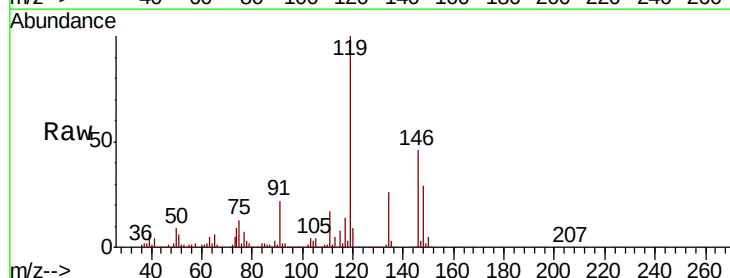
Tgt Ion:119 Resp: 961121

Ion Ratio Lower Upper

119 100

134 26.8 13.5 40.4

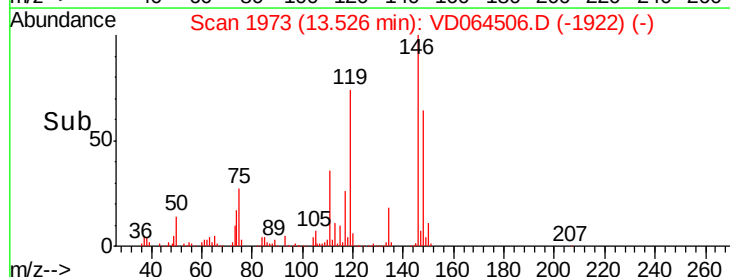
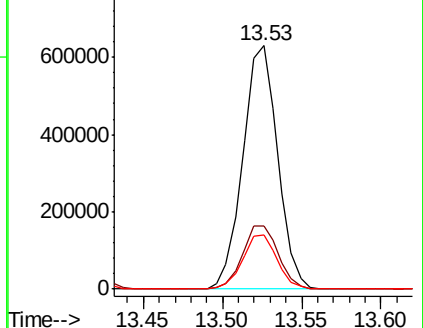
91 22.4 11.2 33.5

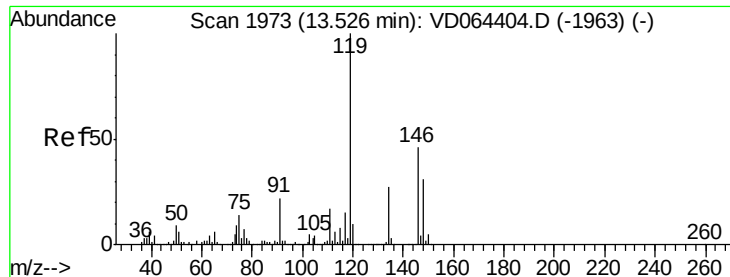


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 52.063 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD064506.D

Acq: 13 Dec 2019 14:42

Instrument :

MSVOA_D

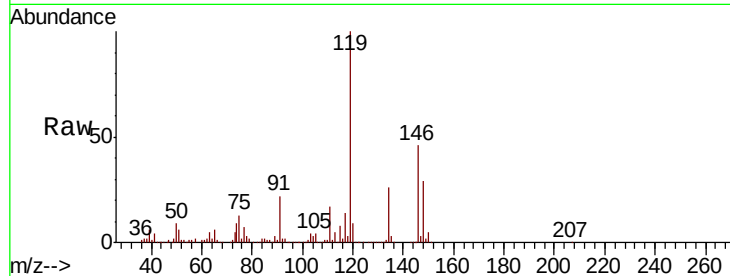
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	481045
Ion Ratio	Lower	Upper	
146	100		
111	36.8	18.8	56.4
148	63.8	32.6	97.8

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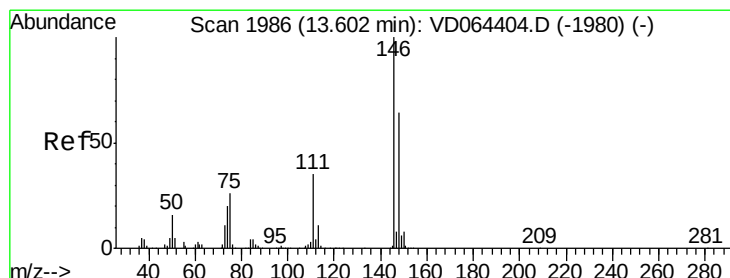
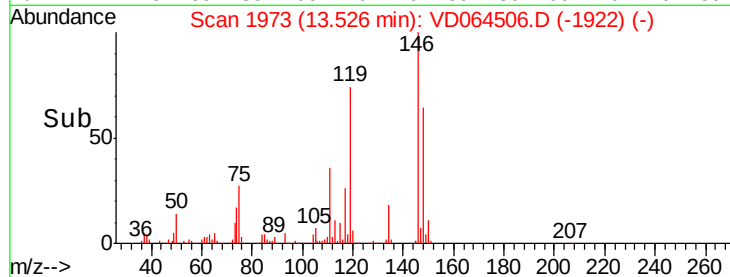
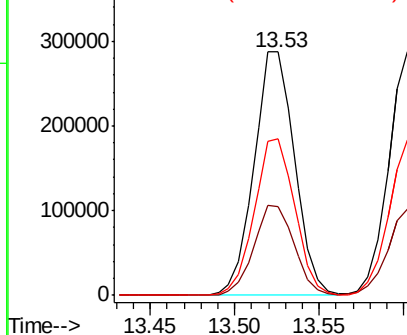


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 51.102 ug/l

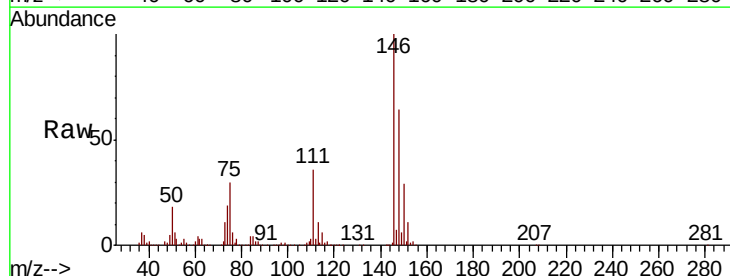
RT: 13.60 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VD064506.D

Acq: 13 Dec 2019 14:42

Tgt Ion:	146	Resp:	466165
Ion Ratio	Lower	Upper	
146	100		
111	36.0	18.2	54.6
148	63.9	31.8	95.4

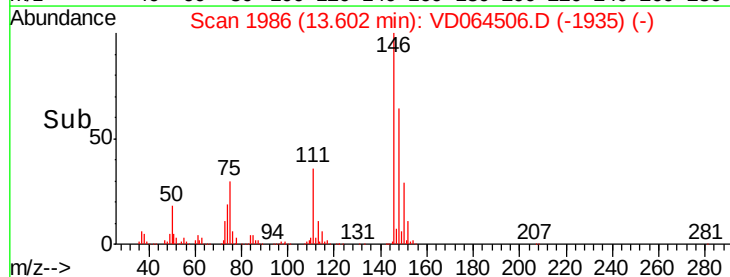
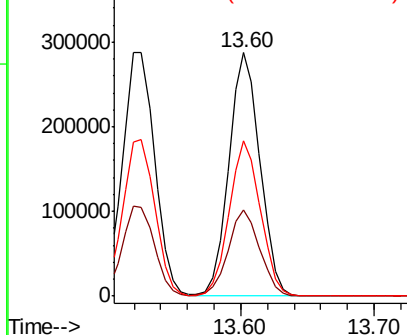


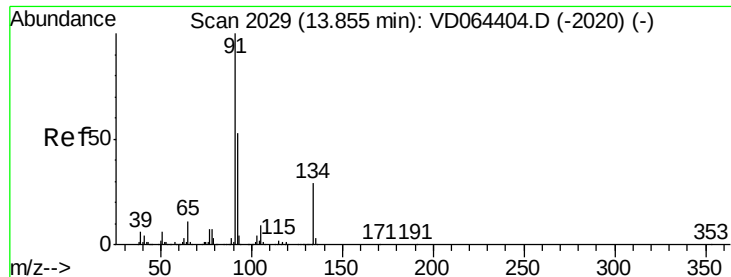
Abundance

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





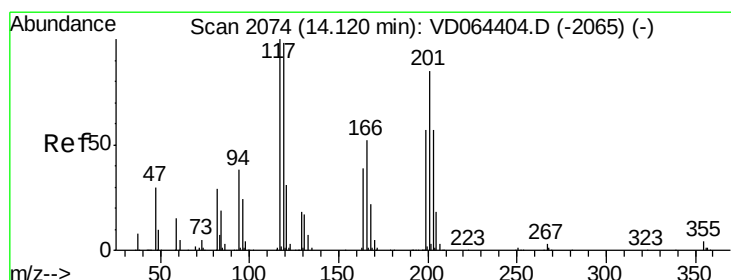
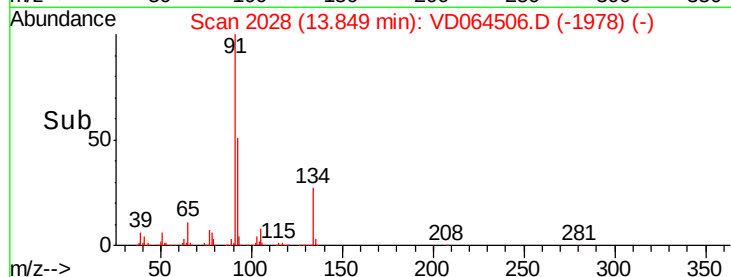
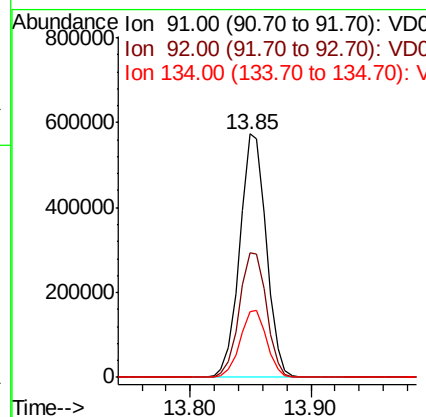
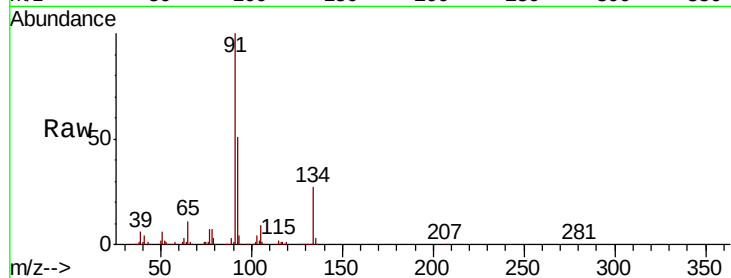
#89
n-Butylbenzene
Concen: 53.384 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.01 min
Lab File: VD064506.D
Acq: 13 Dec 2019 14:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.5	79.4
134	27.4	13.9	41.7

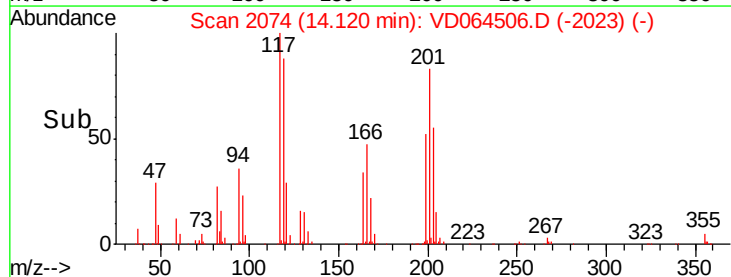
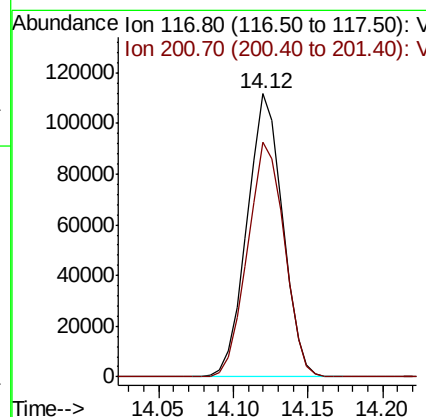
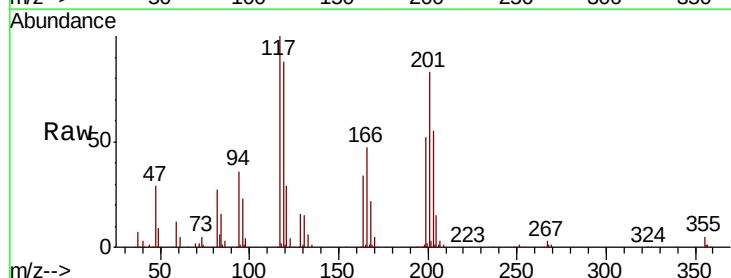
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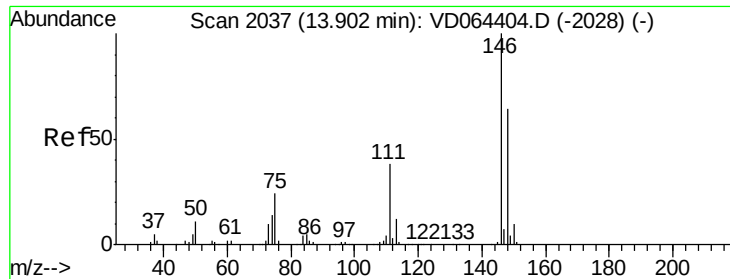
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#90
Hexachloroethane
Concen: 54.196 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064506.D
Acq: 13 Dec 2019 14:42

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.9	44.3	132.8





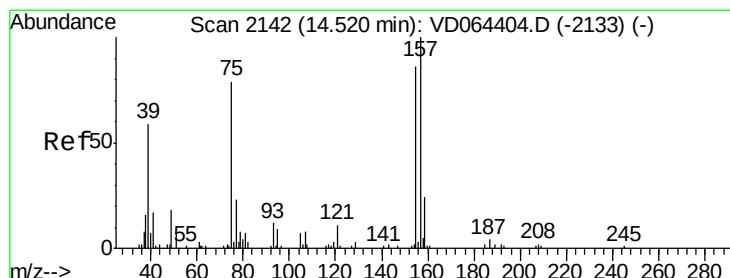
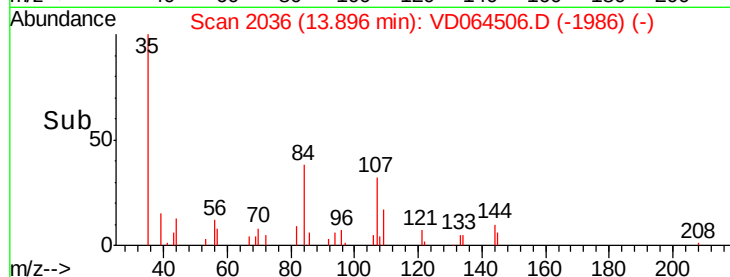
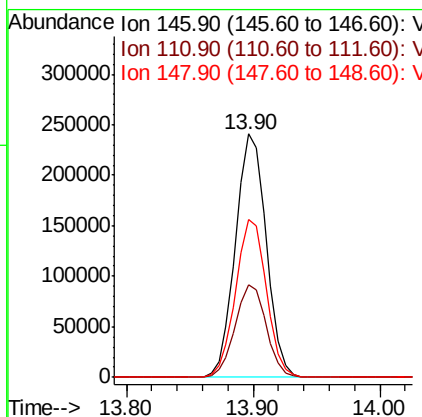
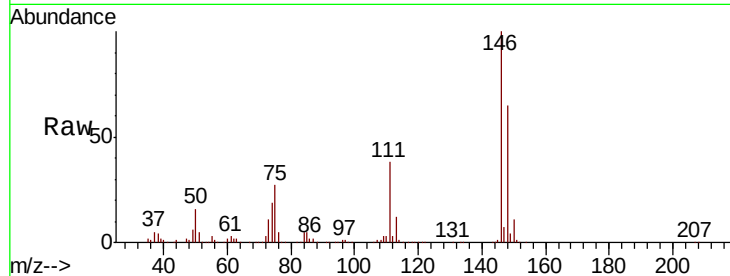
#91
 1,2-Dichlorobenzene
 Concen: 51.132 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD064506.D
 Acq: 13 Dec 2019 14:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.1	57.3
148	65.2	32.0	96.0

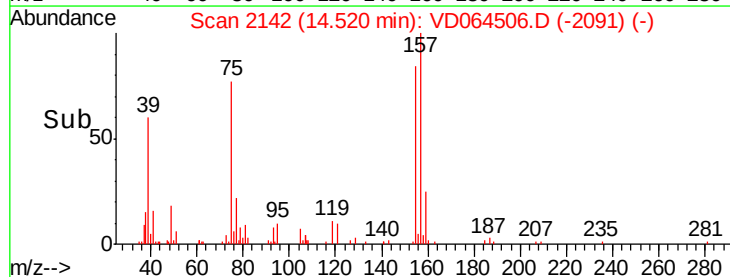
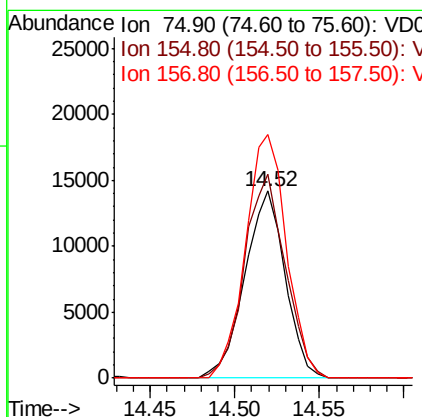
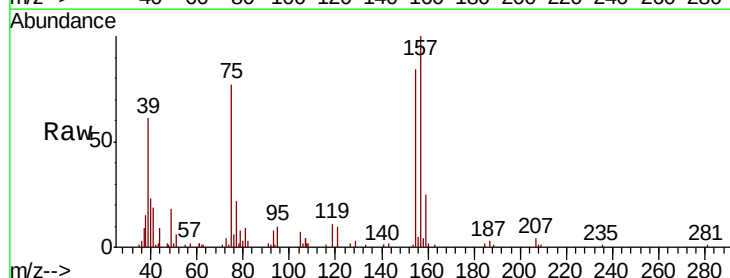
Manual Integrations
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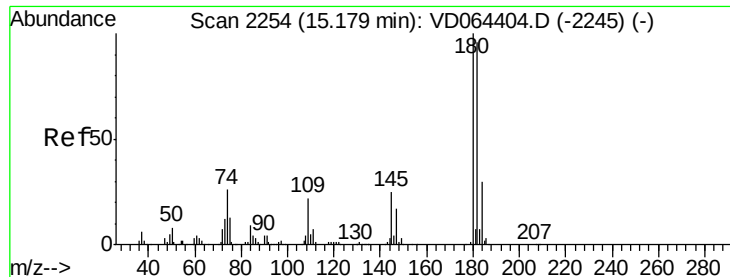
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.167 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD064506.D
 Acq: 13 Dec 2019 14:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	111.3	51.9	155.7
157	132.2	63.2	189.8





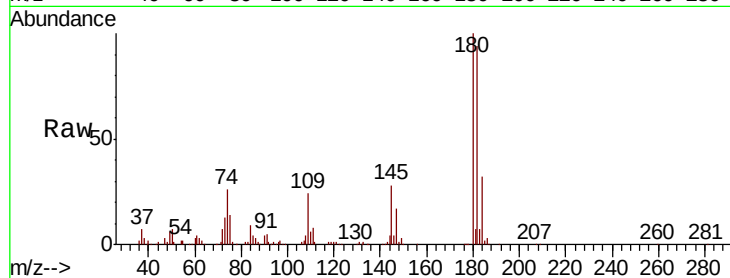
#93
 1,2,4-Trichlorobenzene
 Concen: 49.689 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD064506.D
 Acq: 13 Dec 2019 14:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.7	47.4	142.3	
145	28.3	14.0	41.9	

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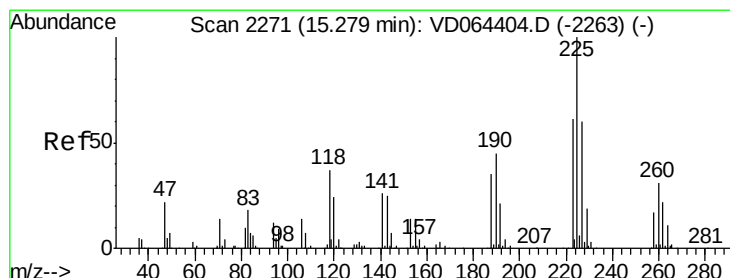
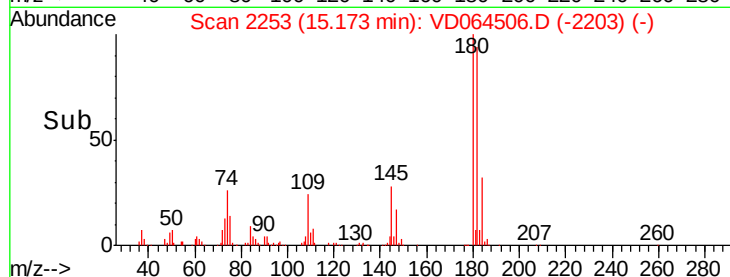
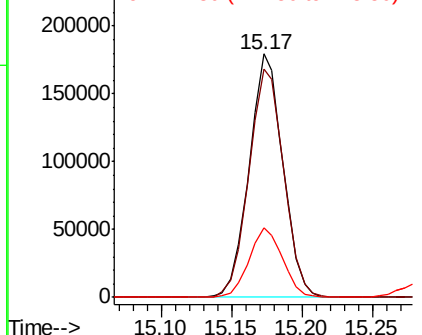


Abundance

Ion 179.80 (179.50 to 180.50): V

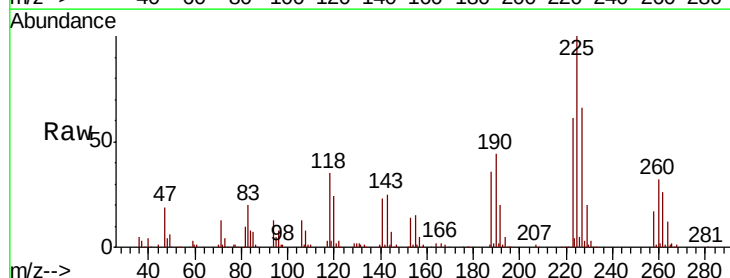
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 51.342 ug/l
 RT: 15.28 min Scan# 2272
 Delta R.T. 0.01 min
 Lab File: VD064506.D
 Acq: 13 Dec 2019 14:42

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.8	31.1	93.3	
227	65.4	31.8	95.4	

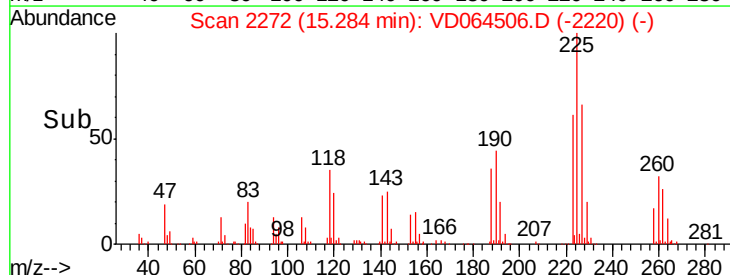
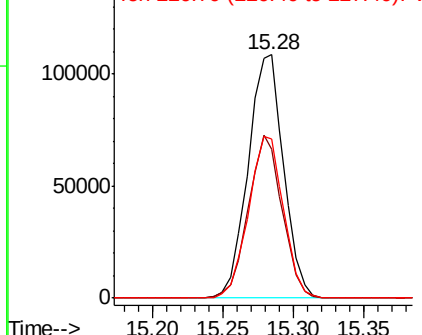


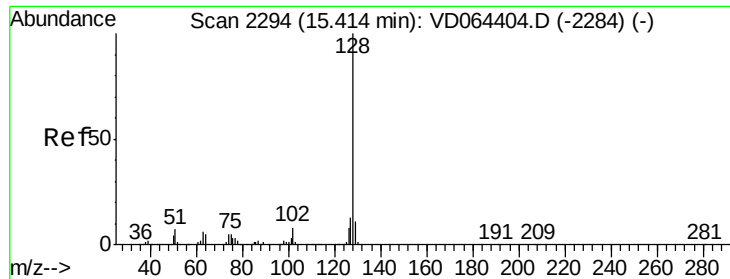
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





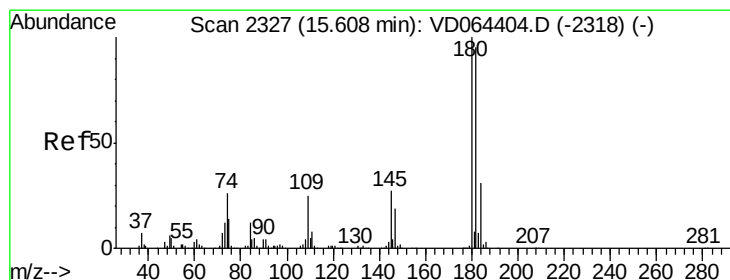
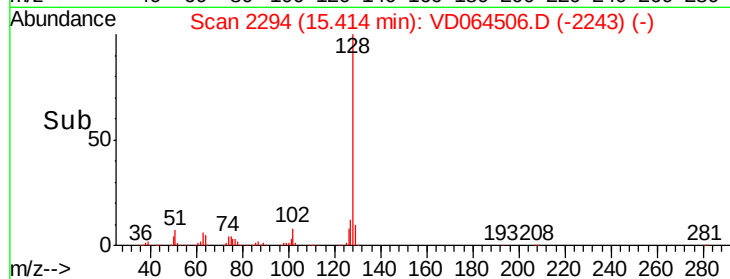
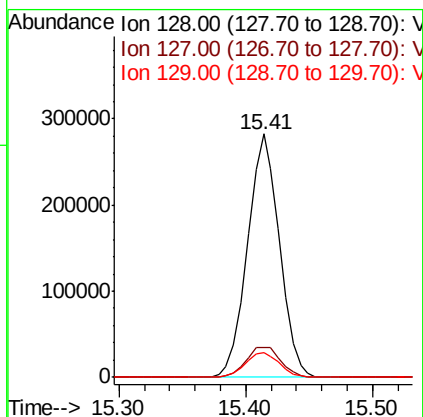
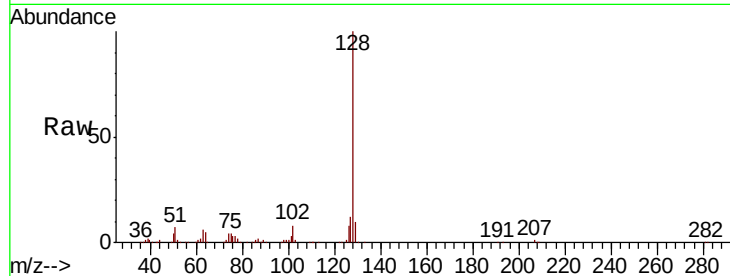
#95
Naphthalene
Concen: 48.927 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD064506.D
Acq: 13 Dec 2019 14:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	493793		
127	13.4		10.5	15.7
129	10.8		8.8	13.2

Manual Integrations
APPROVED

apatel
12/16/2019 12:15:50 PM



#96
1,2,3-Trichlorobenzene
Concen: 50.170 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD064506.D
Acq: 13 Dec 2019 14:42

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	258988		
182	94.6		47.6	142.9
145	29.5		14.6	43.8

