

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121019\
 Data File : VD064491.D
 Acq On : 10 Dec 2019 18:44
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
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 12/11/2019 2:15:26 PM

Quant Time: Dec 11 01:21:43 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	414206	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	626964	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	564397	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	287560	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	193904	51.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.44%	
35) Dibromofluoromethane	7.92	113	197641	50.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.06%	
50) Toluene-d8	10.34	98	744909	50.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.12%	
62) 4-Bromofluorobenzene	12.64	95	234969	49.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	171945	45.814	ug/l	100
3) Chloromethane	2.21	50	222251	46.951	ug/l	97
4) Vinyl Chloride	2.35	62	267114	48.872	ug/l	98
5) Bromomethane	2.77	94	195043	48.256	ug/l	99
6) Chloroethane	2.92	64	185753	50.847	ug/l	100
7) Trichlorofluoromethane	3.27	101	458129	50.421	ug/l	96
8) Diethyl Ether	3.71	74	95976	50.832	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	199396	51.182	ug/l	95
10) Methyl Iodide	4.29	142	233384	56.727	ug/l	100
11) Tert butyl alcohol	5.26	59	60432	253.220	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	185920	49.799	ug/l	95
13) Acrolein	3.92	56	91712	281.741	ug/l	99
14) Allyl chloride	4.71	41	299352	51.377	ug/l	99
15) Acrylonitrile	5.43	53	205104	248.417	ug/l	98
16) Acetone	4.17	43	164806	217.528	ug/l	99
17) Carbon Disulfide	4.40	76	570541	48.251	ug/l	98
18) Methyl Acetate	4.73	43	109078	49.358	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	438697	51.226	ug/l	98
20) Methylene Chloride	4.96	84	214242	56.206	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	214884	50.883	ug/l	96
22) Diisopropyl ether	6.37	45	611868	53.195	ug/l	96
23) Vinyl Acetate	6.31	43	1763893	260.123	ug/l	98
24) 1,1-Dichloroethane	6.27	63	365741	52.873	ug/l	98
25) 2-Butanone	7.23	43	254830	237.837	ug/l	96
26) 2,2-Dichloropropane	7.21	77	311821	51.835	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	242768	52.728	ug/l	99
28) Bromochloromethane	7.56	49	130857	55.354	ug/l	100
29) Tetrahydrofuran	7.57	42	168802	247.626	ug/l	99
30) Chloroform	7.71	83	380877	53.166	ug/l	96
31) Cyclohexane	7.98	56	320039	53.296	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	343514	51.720	ug/l	99
36) 1,1-Dichloropropene	8.11	75	287589	48.495	ug/l	99
37) Ethyl Acetate	7.30	43	119867	47.636	ug/l	100
38) Carbon Tetrachloride	8.10	117	312622	49.949	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	351276	47.753	ug/l	98
40) Benzene	8.35	78	824432	50.054	ug/l	98
41) Methacrylonitrile	7.54	41	68085m	47.181	ug/l	
42) 1,2-Dichloroethane	8.43	62	239224	49.804	ug/l	99
43) Isopropyl Acetate	8.46	43	240960	48.703	ug/l	99
44) Trichloroethene	9.11	130	239665	48.306	ug/l	100
45) 1,2-Dichloropropane	9.39	63	203422	51.642	ug/l	100
46) Dibromomethane	9.48	93	112407	50.561	ug/l	98
47) Bromodichloromethane	9.66	83	298219	52.205	ug/l	99
48) Methyl methacrylate	9.46	41	110036	48.603	ug/l	96
49) 1,4-Dioxane	9.47	88	25780	939.041	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	590360	241.160	ug/l	99
52) Toluene	10.41	92	533170	49.671	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	275841	50.667	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	333908	51.628	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	153261	50.345	ug/l	99
56) Ethyl methacrylate	10.66	69	192363	49.543	ug/l	98
57) 1,3-Dichloropropane	10.95	76	261844	50.529	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	362674	234.315	ug/l	99
59) 2-Hexanone	10.99	43	394736	232.383	ug/l	99
60) Dibromochloromethane	11.14	129	208629	50.546	ug/l	100
61) 1,2-Dibromoethane	11.25	107	150505	49.516	ug/l	99
64) Tetrachloroethene	10.88	164	208076	48.345	ug/l	95
65) Chlorobenzene	11.67	112	576769	48.997	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	225719	51.798	ug/l	98
67) Ethyl Benzene	11.75	91	1030207	49.188	ug/l	99
68) m/p-Xylenes	11.86	106	799810	100.154	ug/l	100
69) o-Xylene	12.18	106	371796	50.411	ug/l	99
70) Styrene	12.20	104	646099	50.411	ug/l	100
71) Bromoform	12.37	173	124805	47.871	ug/l #	99
73) Isopropylbenzene	12.48	105	986514	47.700	ug/l	100
74) N-amyl acetate	12.29	43	220401	46.954	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	156215	45.676	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	95068m	40.201	ug/l	
77) Bromobenzene	12.77	156	247017	48.366	ug/l	99
78) n-propylbenzene	12.83	91	1139186	47.739	ug/l	100
79) 2-Chlorotoluene	12.91	91	629142	47.915	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	812446	48.071	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	50741	46.787	ug/l	100
82) 4-Chlorotoluene	13.01	91	677392	48.726	ug/l	100
83) tert-Butylbenzene	13.23	119	718942	48.930	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	814979	47.956	ug/l	100
85) sec-Butylbenzene	13.41	105	959972	47.603	ug/l	99
86) p-Isopropyltoluene	13.52	119	914149	48.015	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	469184	48.402	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	461144	48.185	ug/l	99
89) n-Butylbenzene	13.85	91	833807	48.226	ug/l	99
90) Hexachloroethane	14.12	117	176634	49.603	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	402488	48.585	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	24807	48.403	ug/l	95

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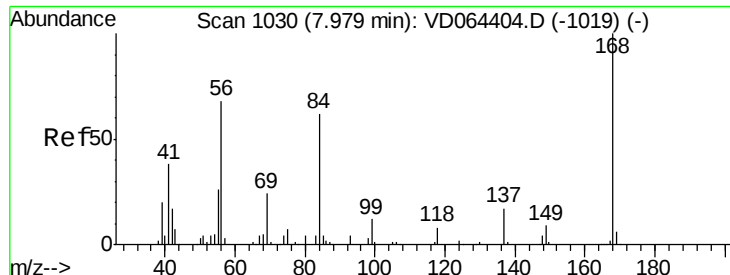
Manual Integrations
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12/11/2019 2:15:26 PM

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	300917	47.430	ug/l	99
94) Hexachlorobutadiene	15.28	225	183278	46.794	ug/l	99
95) Naphthalene	15.41	128	487151	46.009	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	260551	48.111	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD064491.D

Acq: 10 Dec 2019 18:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 414206

Ion Ratio Lower Upper

168 100

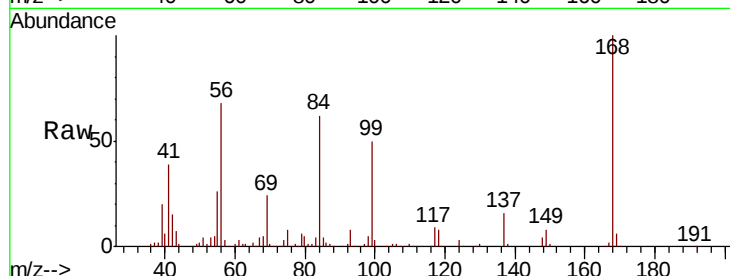
99 49.6 40.7 61.1

Manual Integrations

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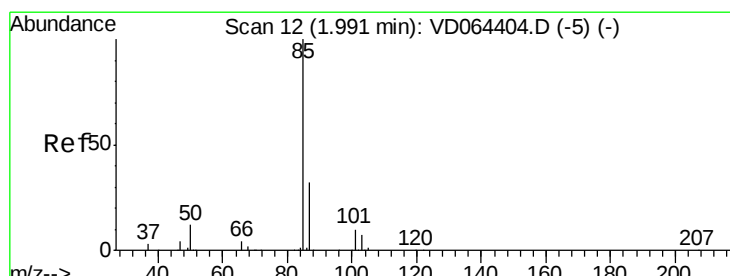
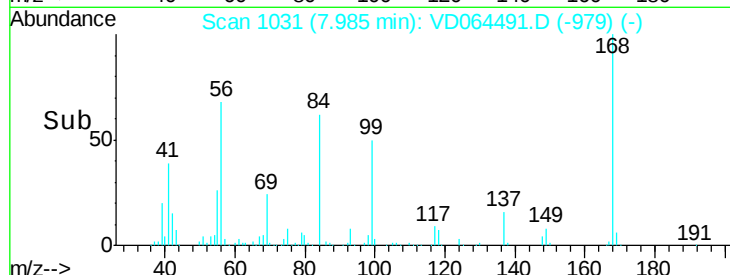
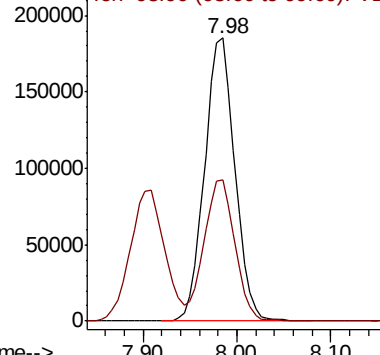
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 45.814 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD064491.D

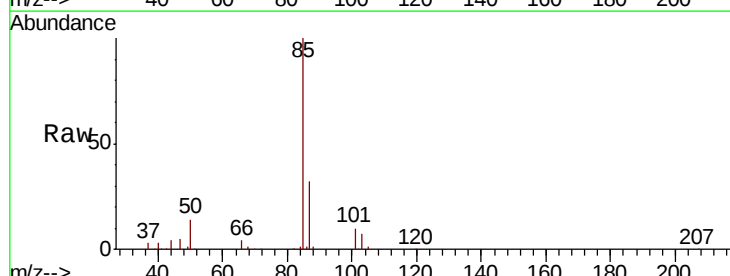
Acq: 10 Dec 2019 18:44

Tgt Ion: 85 Resp: 171945

Ion Ratio Lower Upper

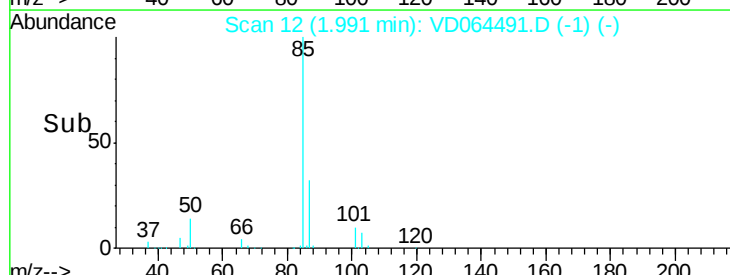
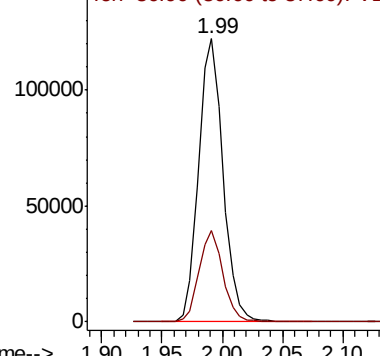
85 100

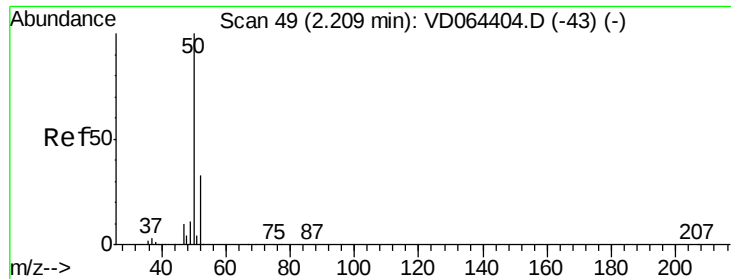
87 32.2 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 46.951 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD064491.D

Acq: 10 Dec 2019 18:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 222251

Ion Ratio Lower Upper

50 100

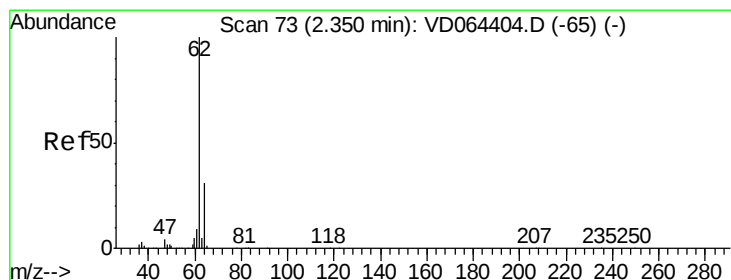
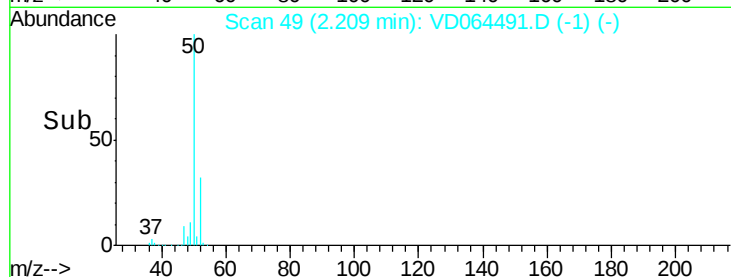
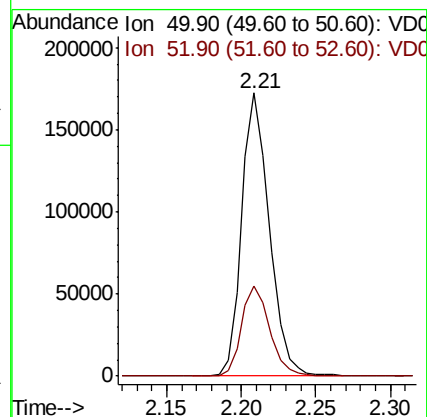
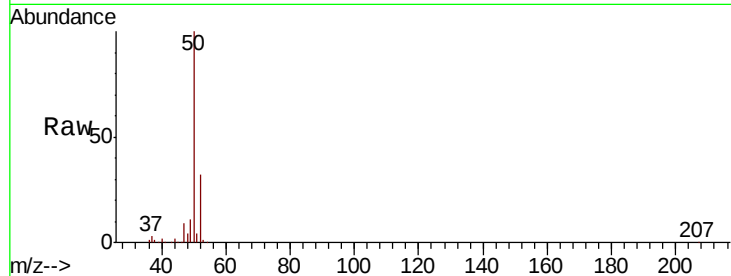
52 31.7 26.7 40.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 48.872 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD064491.D

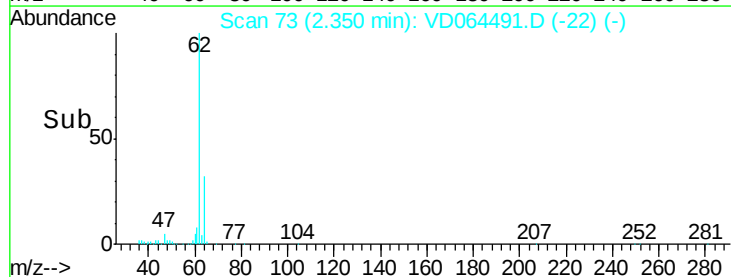
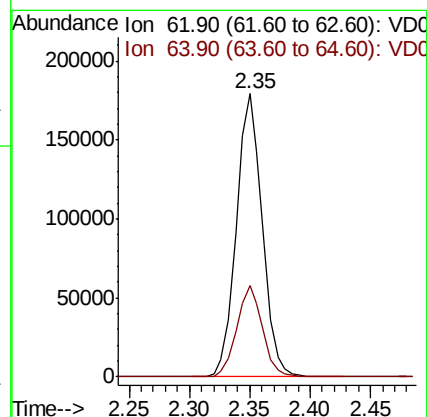
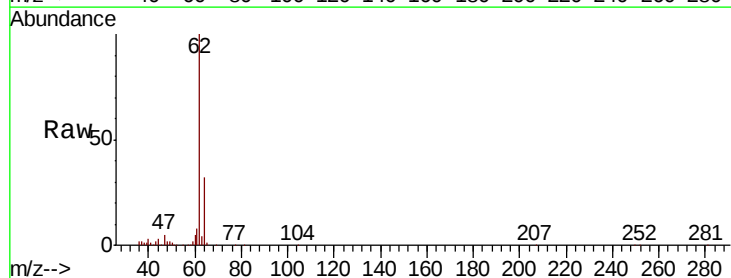
Acq: 10 Dec 2019 18:44

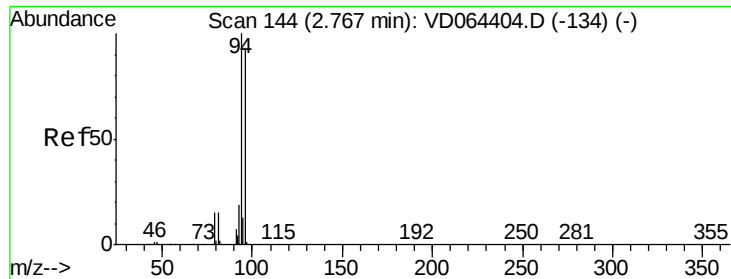
Tgt Ion: 62 Resp: 267114

Ion Ratio Lower Upper

62 100

64 32.1 25.0 37.4





#5

Bromomethane

Concen: 48.256 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD064491.D

Acq: 10 Dec 2019 18:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 195043

Ion Ratio Lower Upper

94 100

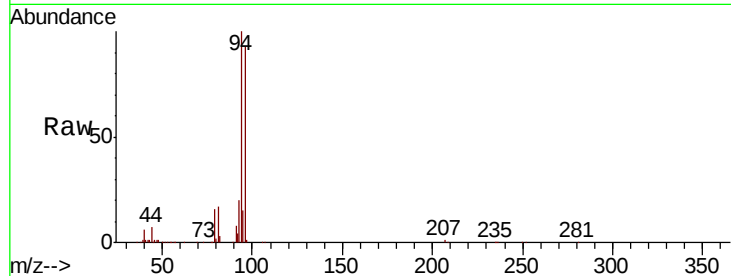
96 92.9 73.6 110.4

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

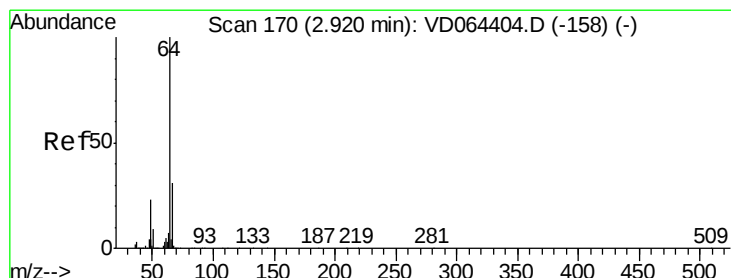
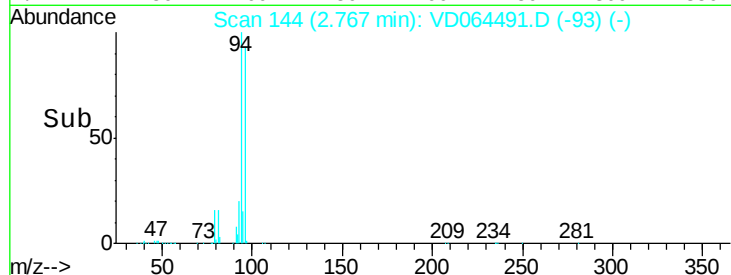
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 50.847 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064491.D

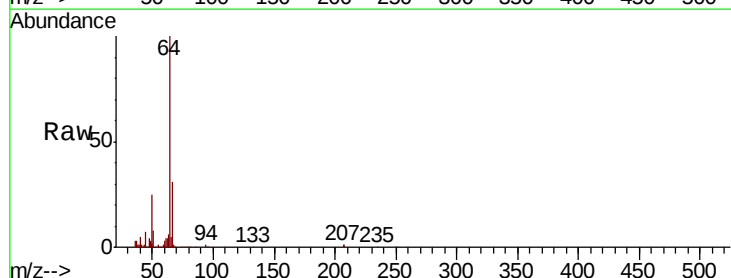
Acq: 10 Dec 2019 18:44

Tgt Ion: 64 Resp: 185753

Ion Ratio Lower Upper

64 100

66 30.5 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

100000

80000

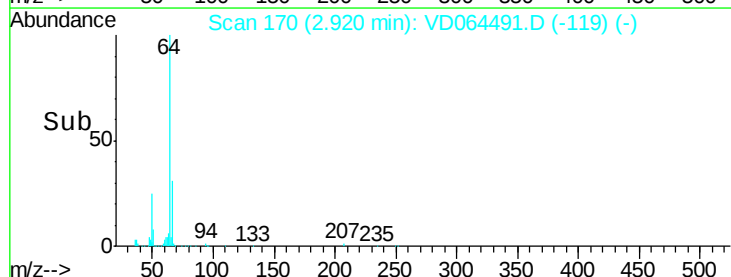
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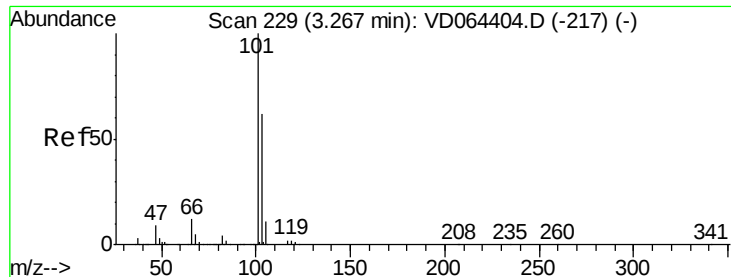
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20000

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Time-->





#7

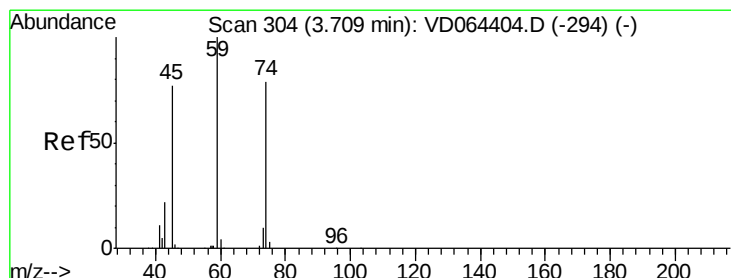
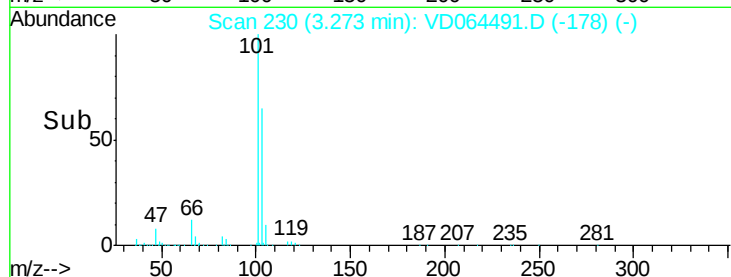
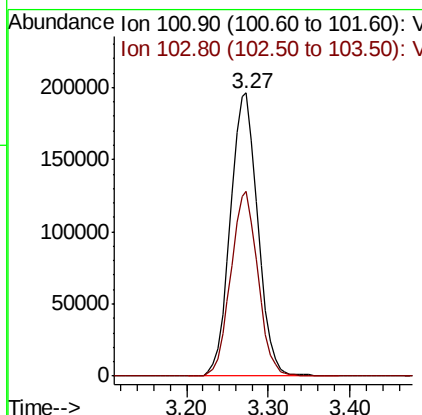
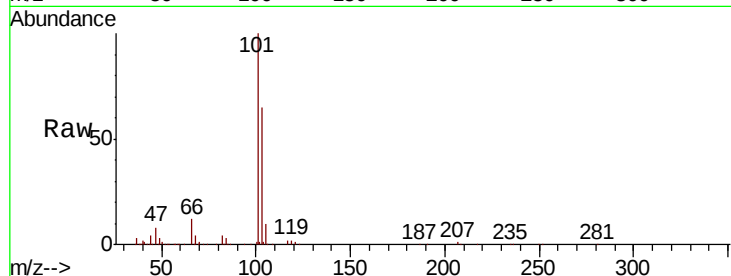
Trichlorofluoromethane
 Concen: 50.421 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.01 min
 Lab File: VD064491.D
 Acq: 10 Dec 2019 18:44

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	458129		
103	65.1	49.8	74.6	

Manual Integrations
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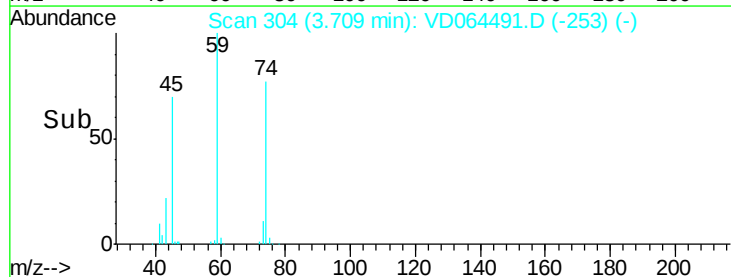
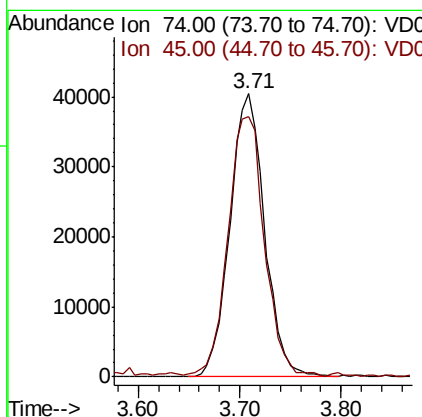
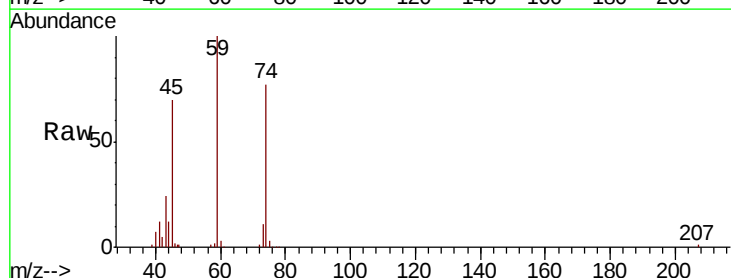
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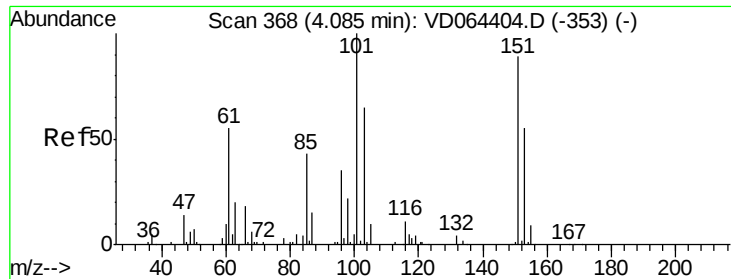


#8

Diethyl Ether
 Concen: 50.832 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD064491.D
 Acq: 10 Dec 2019 18:44

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	95976		
45	95.7	48.6	145.9	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.182 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064491.D

Acq: 10 Dec 2019 18:44

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MSVOA_D

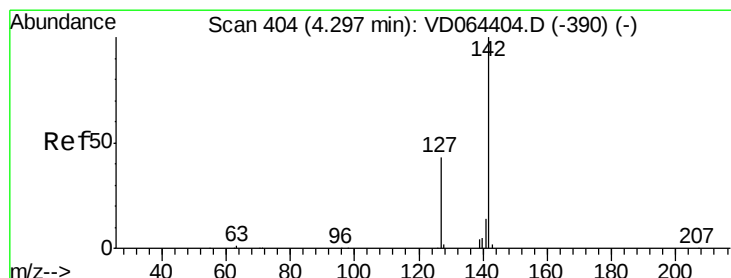
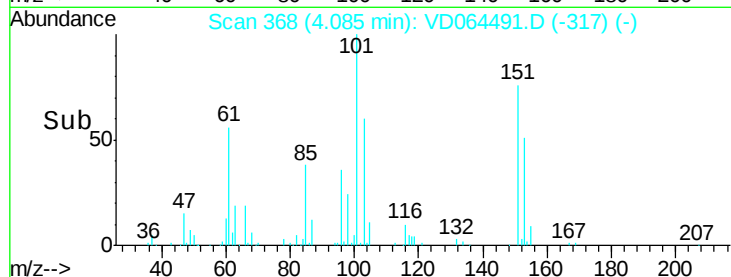
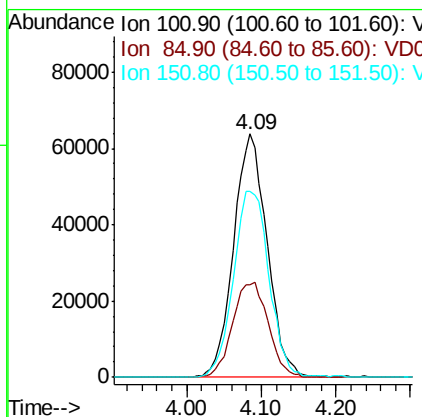
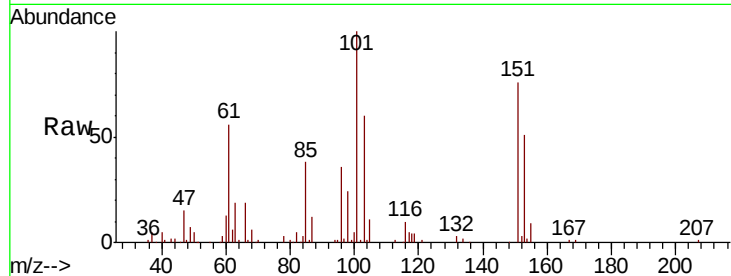
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	199396
Ion Ratio	Lower	Upper	
101	100		
85	41.6	34.8	52.2
151	81.1	68.8	103.2

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#10

Methyl Iodide

Concen: 56.727 ug/l

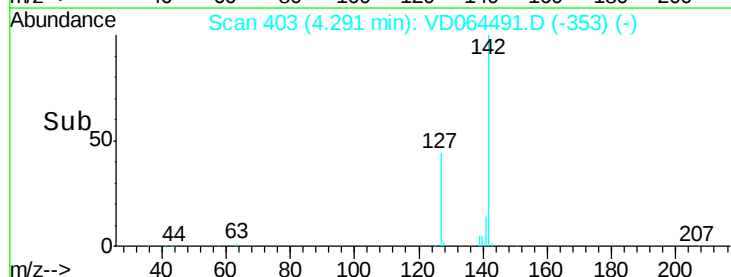
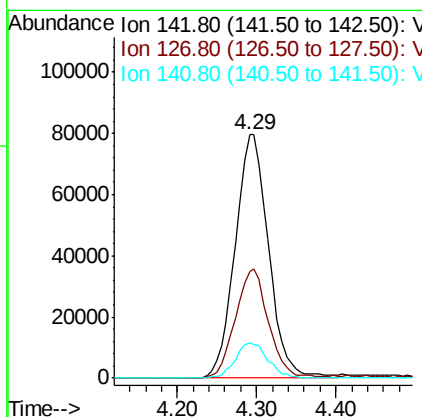
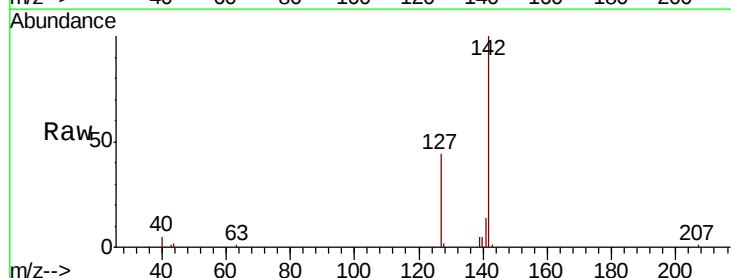
RT: 4.29 min Scan# 403

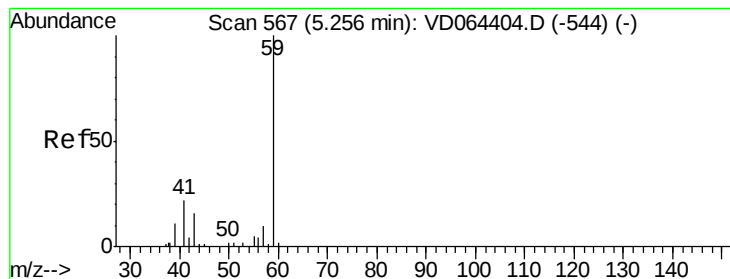
Delta R.T. -0.01 min

Lab File: VD064491.D

Acq: 10 Dec 2019 18:44

Tgt Ion:	142	Resp:	233384
Ion Ratio	Lower	Upper	
142	100		
127	44.3	35.3	52.9
141	14.2	11.6	17.4





#11

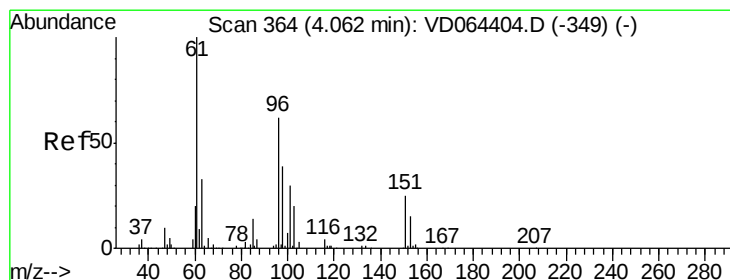
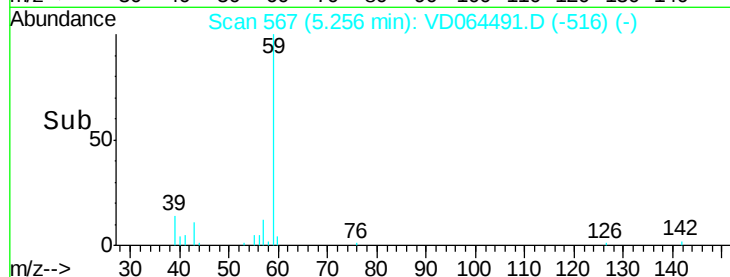
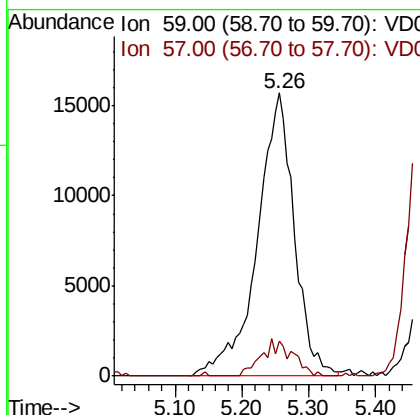
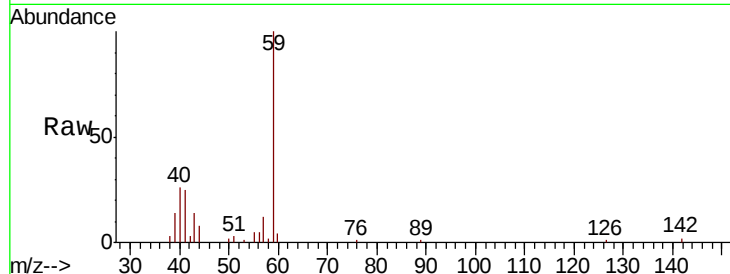
Tert butyl alcohol
Concen: 253.220 ug/l
RT: 5.26 min Scan# 567
Delta R.T. -0.00 min
Lab File: VD064491.D
Acq: 10 Dec 2019 18:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	7.8	0.0	0.0#

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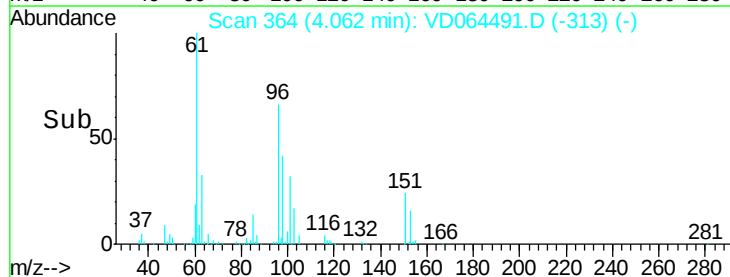
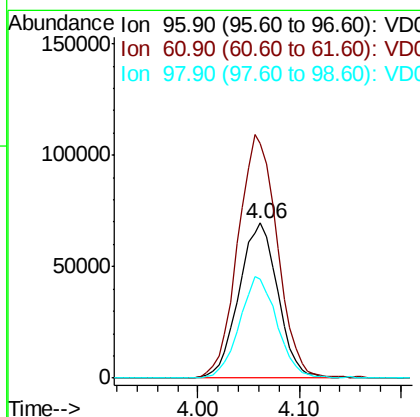
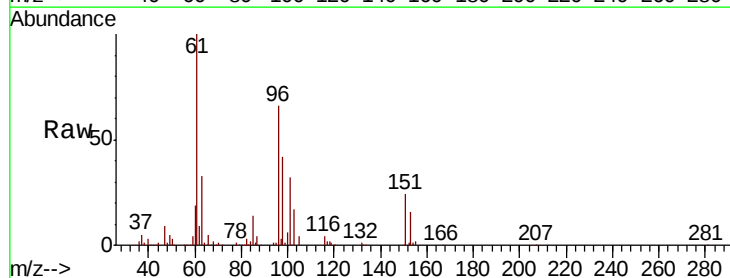
apatel
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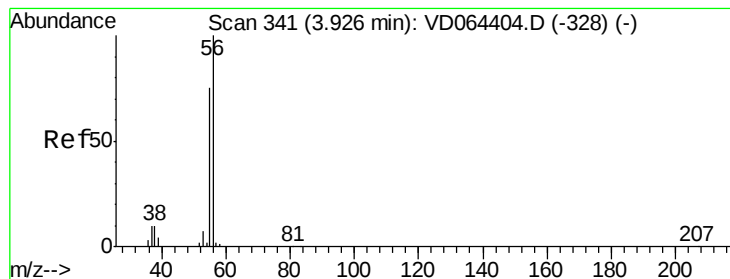


#12

1,1-Dichloroethene
Concen: 49.799 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD064491.D
Acq: 10 Dec 2019 18:44

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.0	128.2	192.4
98	64.0	50.4	75.6





#13

Acrolein

Concen: 281.741 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064491.D

Acq: 10 Dec 2019 18:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 91712

Ion Ratio Lower Upper

56 100

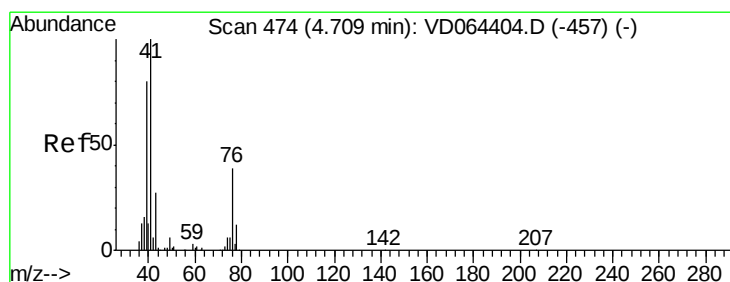
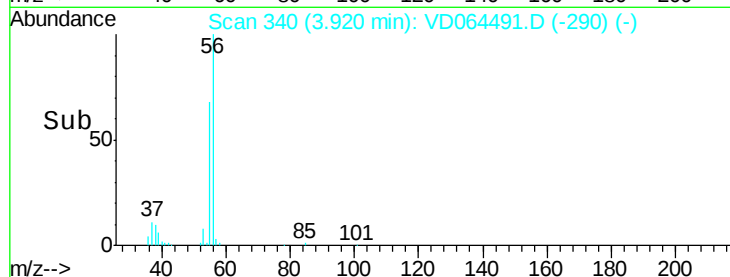
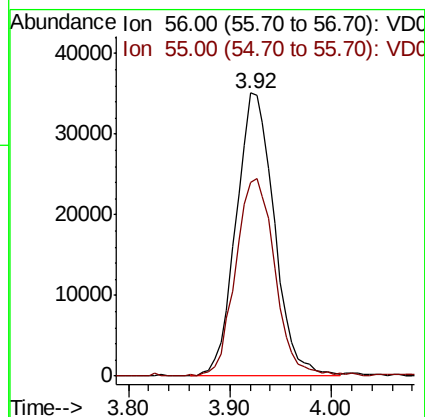
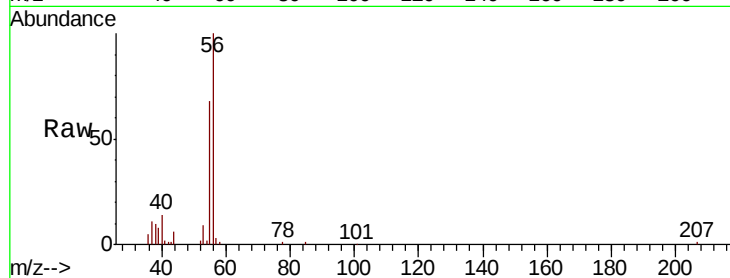
55 72.1 56.9 85.3

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#14

Allyl chloride

Concen: 51.377 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD064491.D

Acq: 10 Dec 2019 18:44

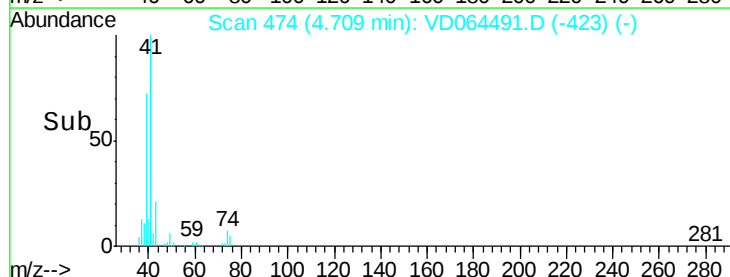
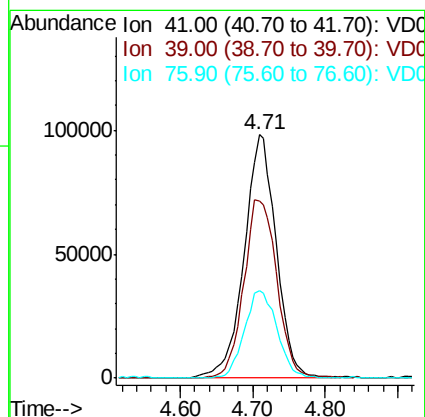
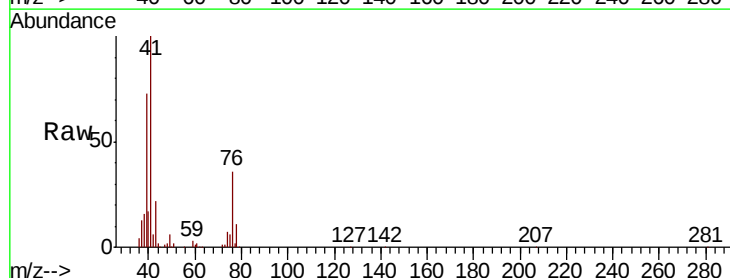
Tgt Ion: 41 Resp: 299352

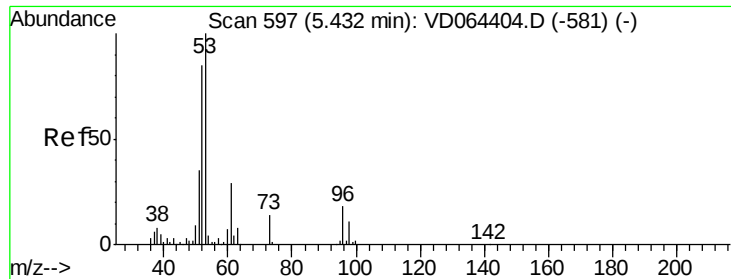
Ion Ratio Lower Upper

41 100

39 76.3 62.1 93.1

76 36.9 29.8 44.8





#15

Acrylonitrile

Concen: 248.417 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064491.D

Acq: 10 Dec 2019 18:44

Instrument :

MSVOA_D

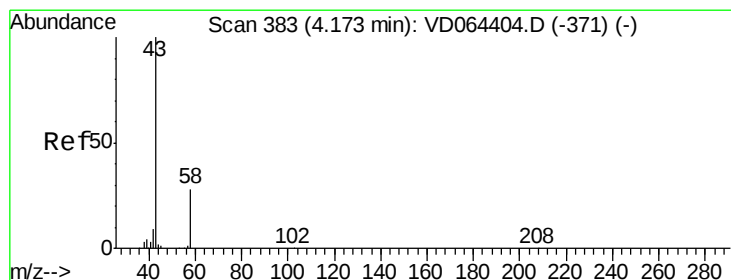
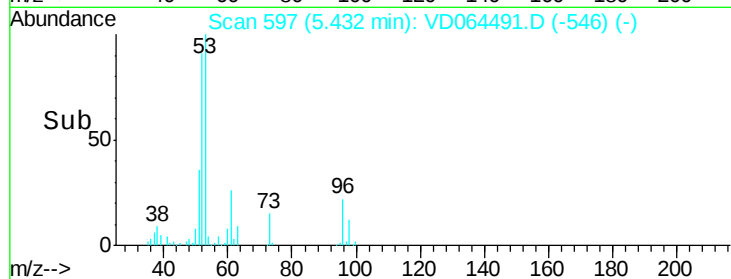
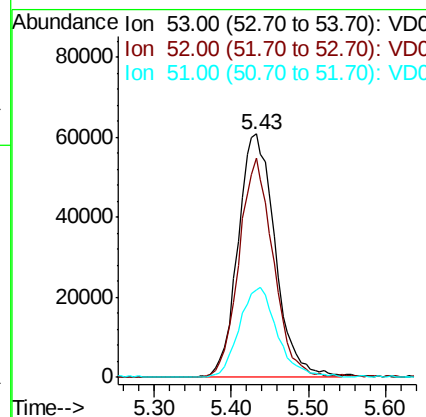
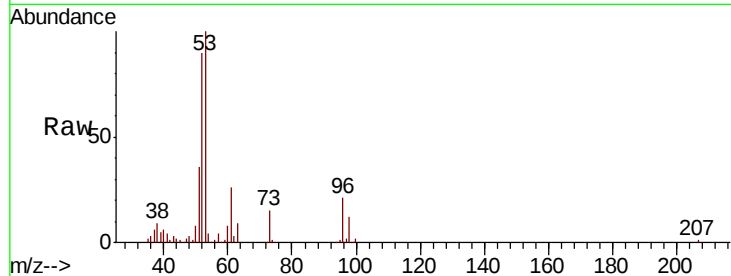
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	205104
Ion Ratio	Lower	Upper	
53	100		
52	83.1	67.9	101.9
51	37.9	30.6	45.8

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#16

Acetone

Concen: 217.528 ug/l

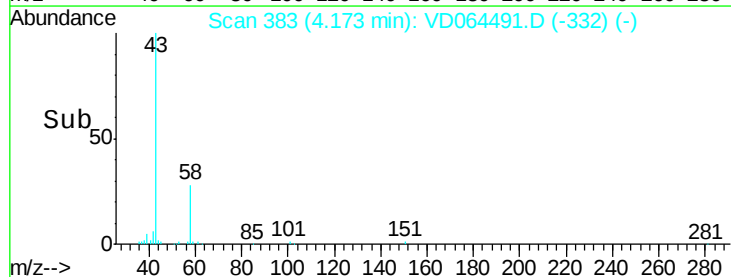
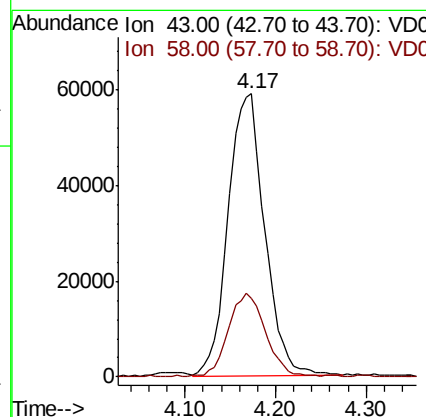
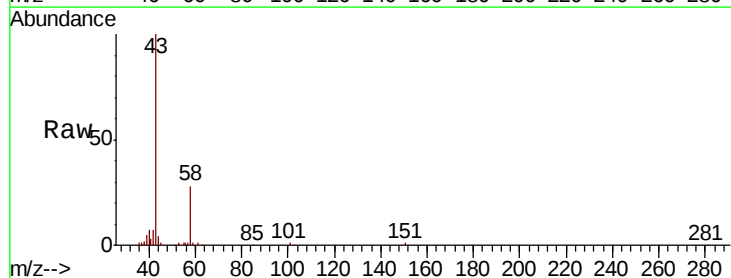
RT: 4.17 min Scan# 383

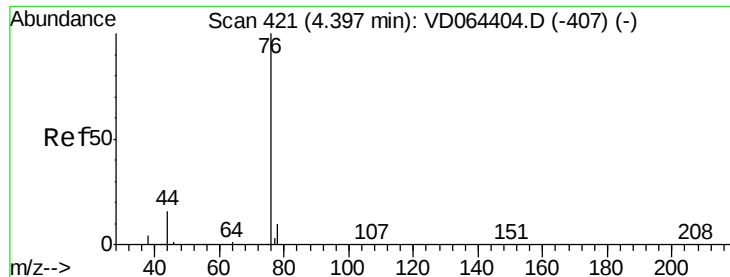
Delta R.T. -0.00 min

Lab File: VD064491.D

Acq: 10 Dec 2019 18:44

Tgt Ion:	43	Resp:	164806
Ion Ratio	Lower	Upper	
43	100		
58	27.8	22.6	33.8





#17

Carbon Disulfide

Concen: 48.251 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.00 min

Lab File: VD064491.D

Acq: 10 Dec 2019 18:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 570541

Ion Ratio Lower Upper

76 100

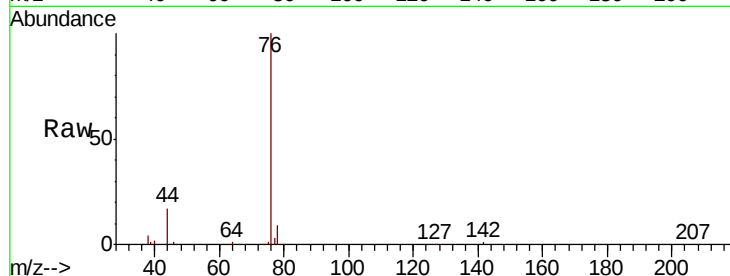
78 9.1 7.8 11.8

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

200000

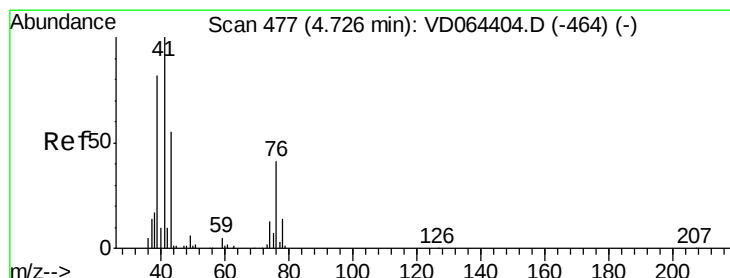
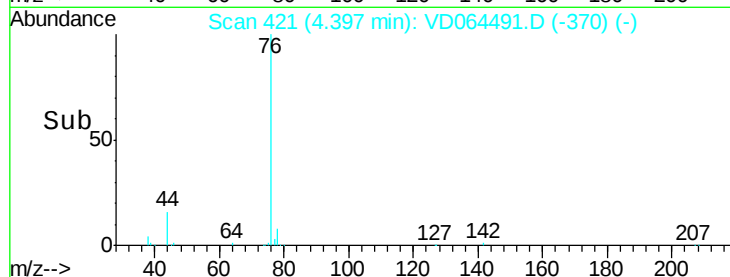
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 49.358 ug/l

RT: 4.73 min Scan# 477

Delta R.T. -0.00 min

Lab File: VD064491.D

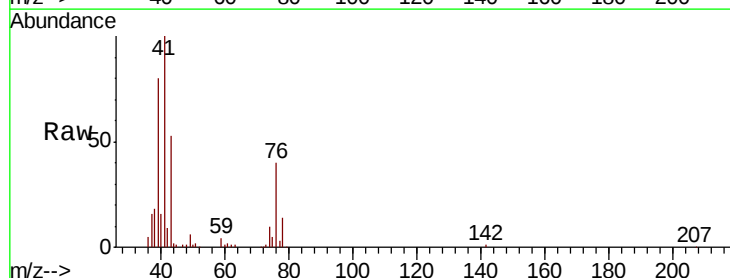
Acq: 10 Dec 2019 18:44

Tgt Ion: 43 Resp: 109078

Ion Ratio Lower Upper

43 100

74 23.0 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.73

40000

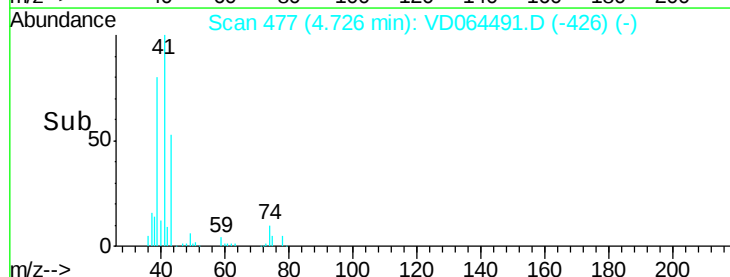
30000

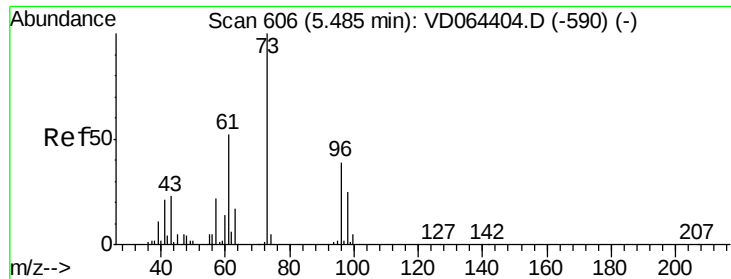
20000

10000

0

Time-->





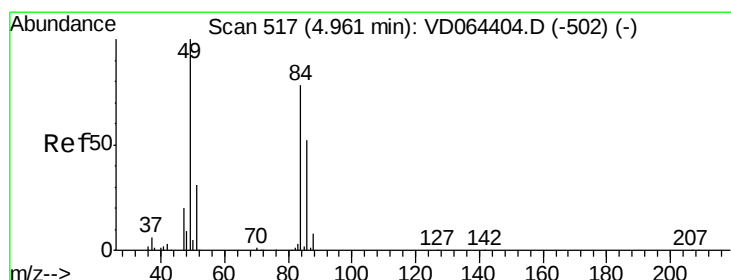
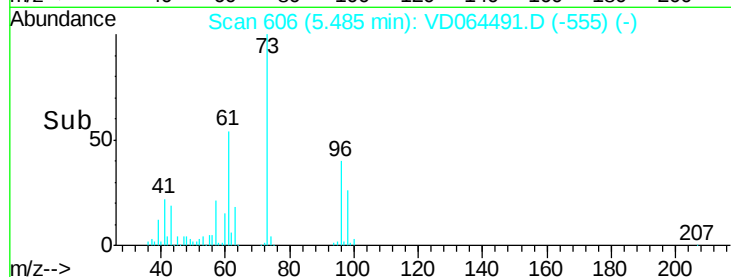
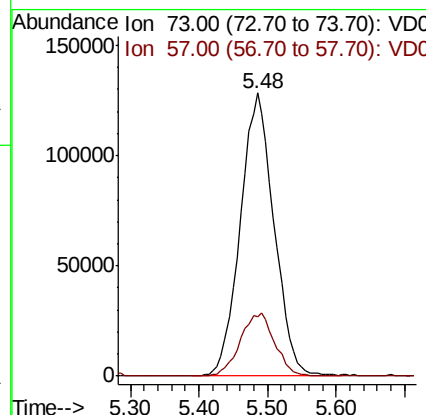
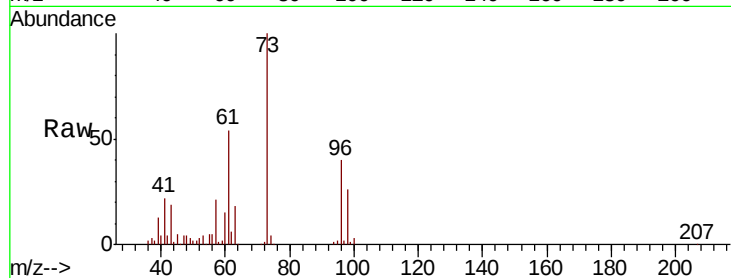
#19
Methyl tert-butyl Ether
Concen: 51.226 ug/l
RT: 5.48 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD064491.D
Acq: 10 Dec 2019 18:44

Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050EC

Tot Ion: 73 Resp: 438697
Ion Ratio Lower Upper
73 100
57 20.8 17.6 26.4

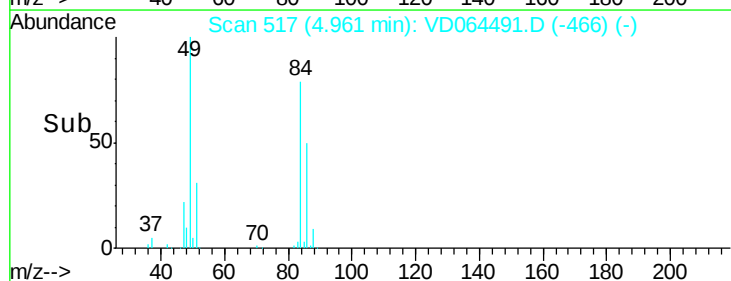
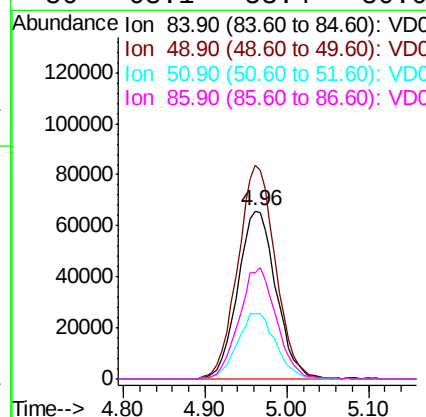
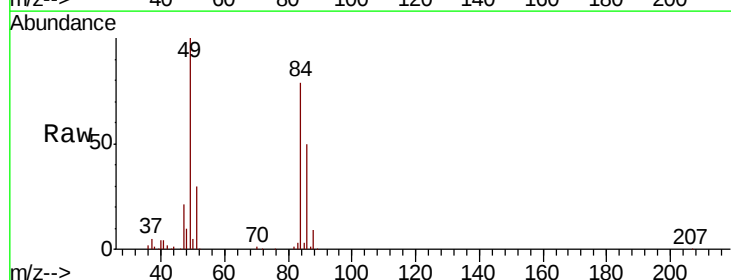
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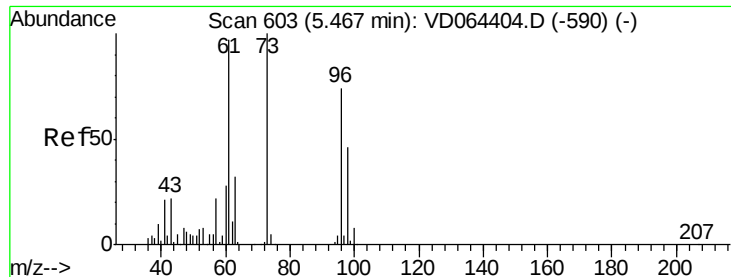
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#20
Methylene Chloride
Concen: 56.206 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064491.D
Acq: 10 Dec 2019 18:44

Tgt Ion: 84 Resp: 214242
Ion Ratio Lower Upper
84 100
49 126.9 102.6 153.8
51 38.6 32.0 48.0
86 63.1 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 50.883 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD064491.D

Acq: 10 Dec 2019 18:44

Instrument :

MSVOA_D

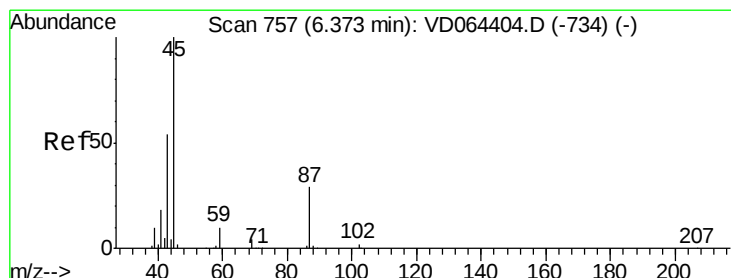
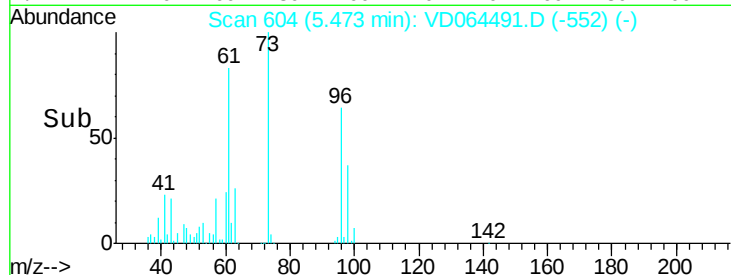
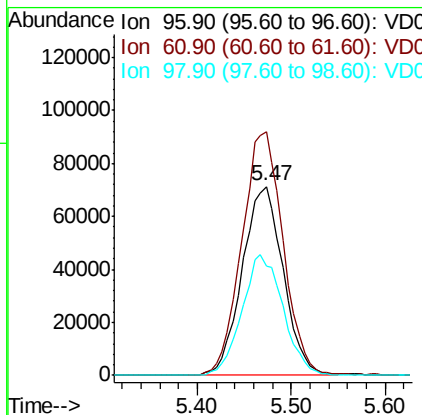
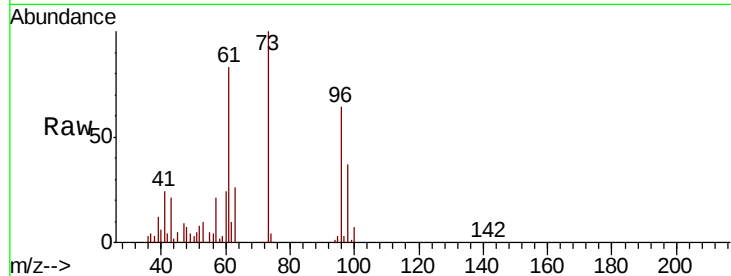
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	214884
Ion	Ratio	Lower	Upper
96	100		
61	129.1	105.8	158.6
98	58.2	50.1	75.1

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#22

Diisopropyl ether

Concen: 53.195 ug/l

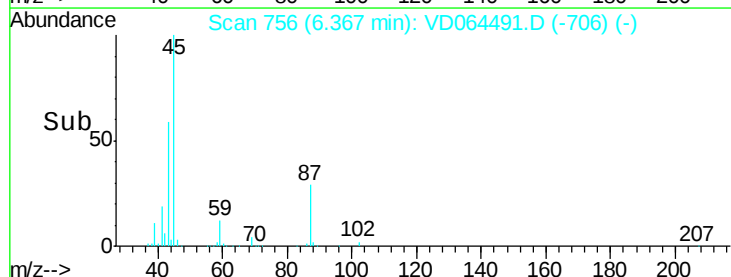
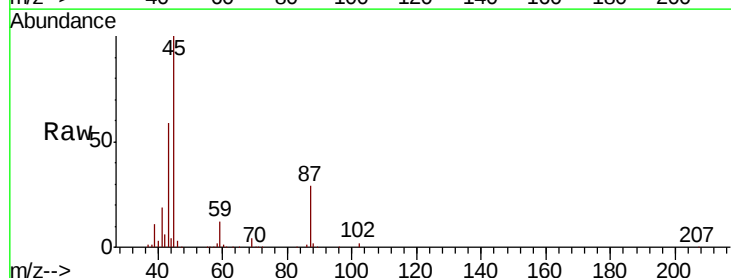
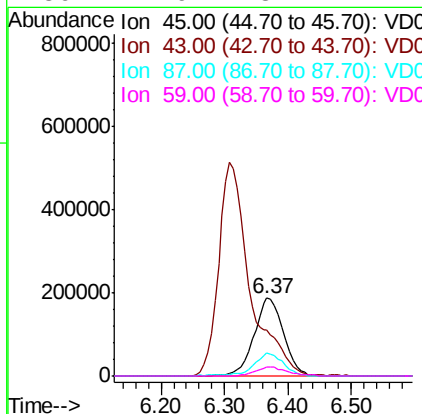
RT: 6.37 min Scan# 756

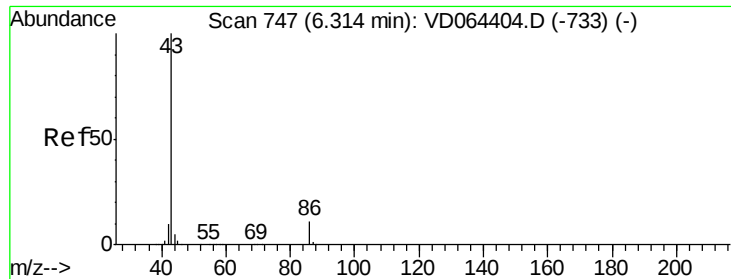
Delta R.T. -0.01 min

Lab File: VD064491.D

Acq: 10 Dec 2019 18:44

Tgt Ion:	45	Resp:	611868
Ion	Ratio	Lower	Upper
45	100		
43	58.2	43.1	64.7
87	28.7	23.5	35.3
59	11.9	8.2	12.2





#23

Vinyl Acetate

Concen: 260.123 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064491.D

Acq: 10 Dec 2019 18:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1763893

Ion Ratio Lower Upper

43 100

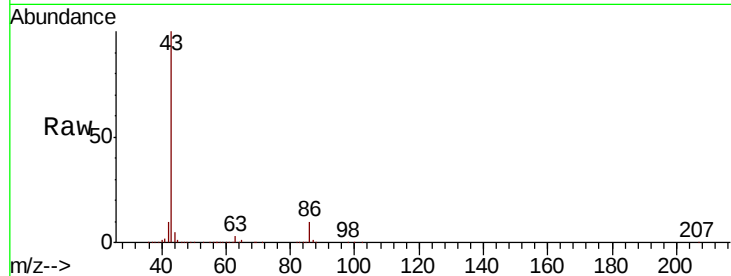
86 10.2 8.9 13.3

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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

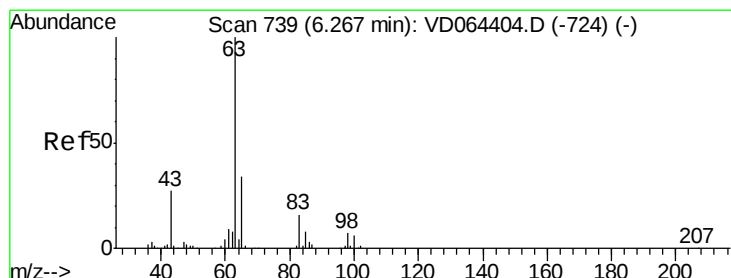
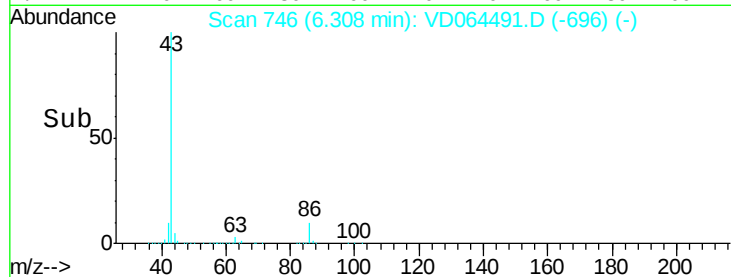
200000

100000

0

6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 52.873 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064491.D

Acq: 10 Dec 2019 18:44

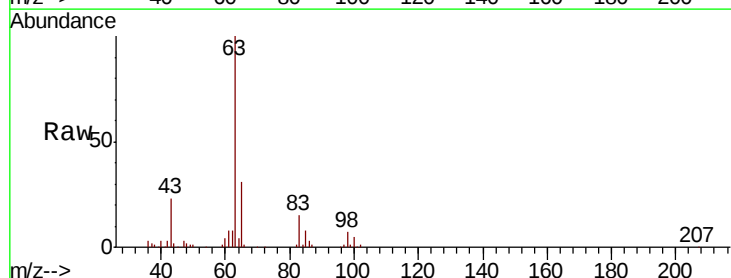
Tgt Ion: 63 Resp: 365741

Ion Ratio Lower Upper

63 100

98 6.8 3.6 10.9

100 4.7 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

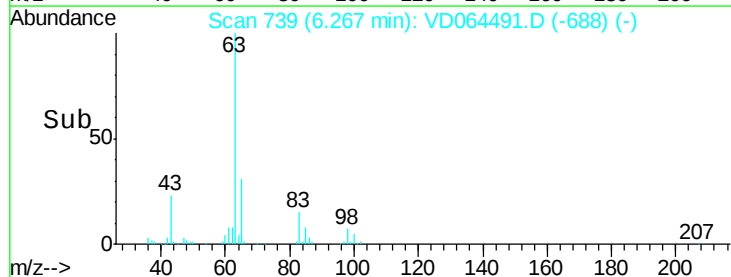
100000

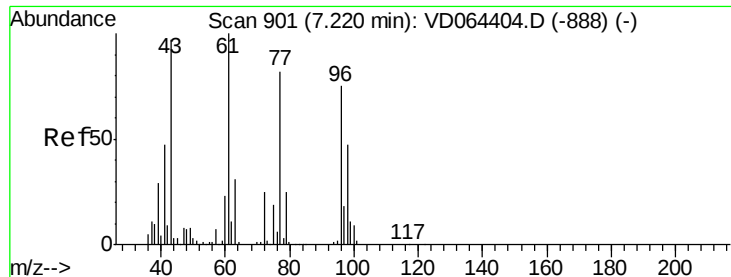
50000

0

6.10 6.20 6.30 6.40

Time-->





#25

2-Butanone

Concen: 237.837 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD064491.D

Acq: 10 Dec 2019 18:44

Instrument :

MSVOA_D

ClientSampleID :

VSTDCCC050EC

Tot Ion: 43 Resp: 254830

Ion Ratio Lower Upper

43 100

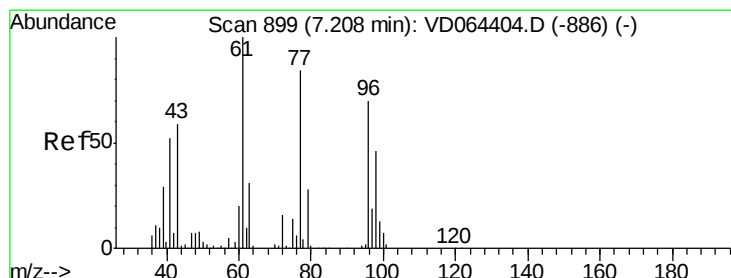
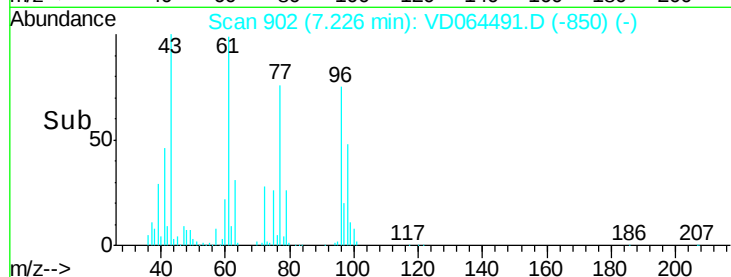
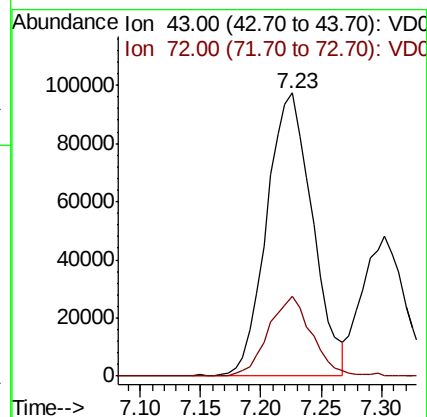
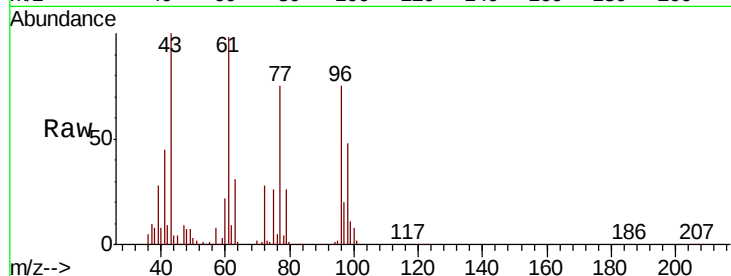
72 28.2 21.0 31.4

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#26

2,2-Dichloropropane

Concen: 51.835 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD064491.D

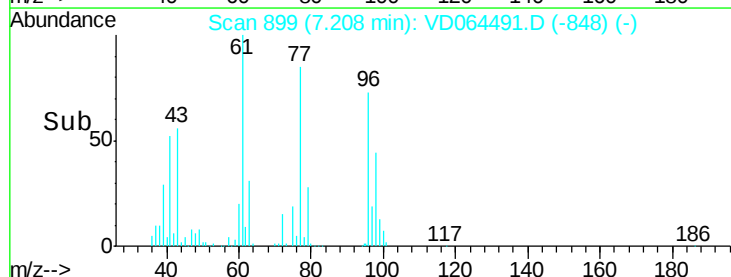
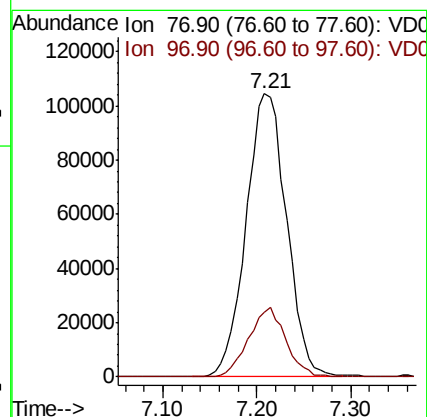
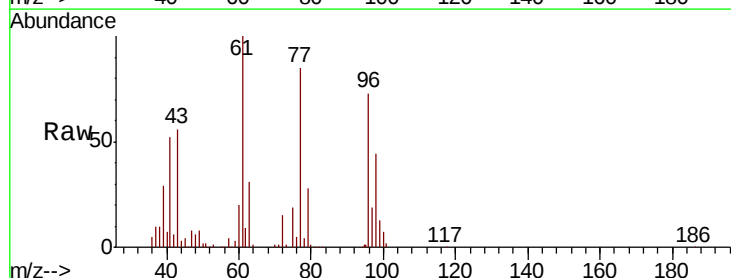
Acq: 10 Dec 2019 18:44

Tgt Ion: 77 Resp: 311821

Ion Ratio Lower Upper

77 100

97 22.6 11.6 34.7





#27

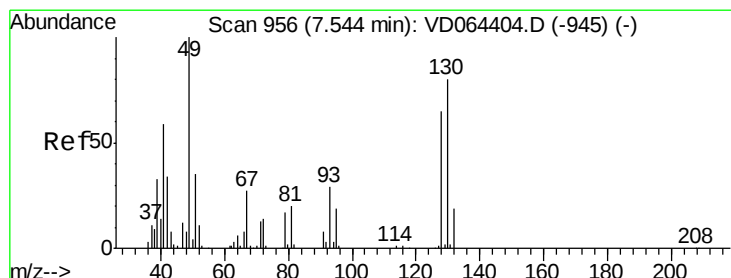
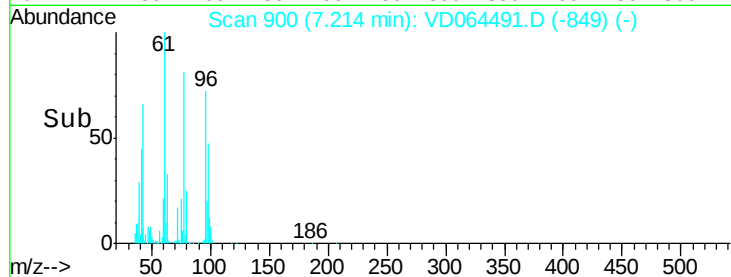
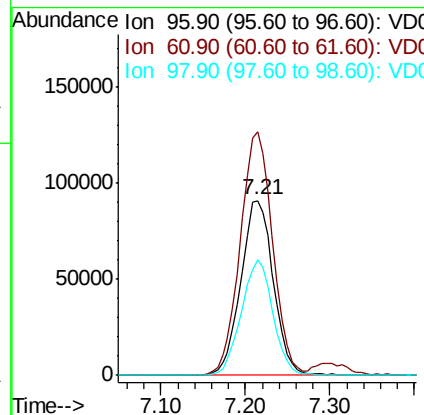
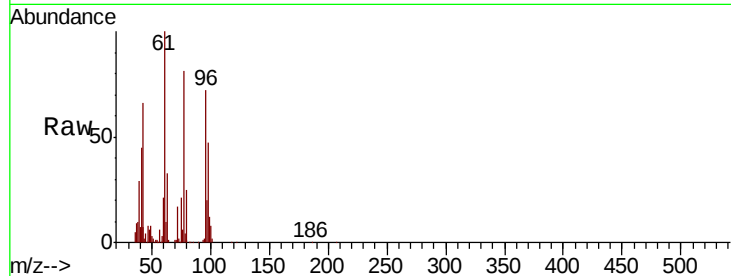
cis-1,2-Dichloroethene
 Concen: 52.728 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VD064491.D
 Acq: 10 Dec 2019 18:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.4	0.0	279.6
98	64.4	0.0	129.2

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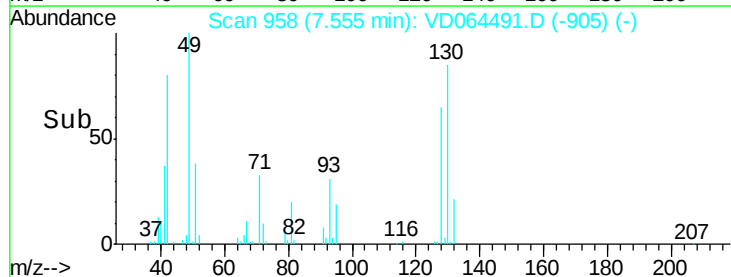
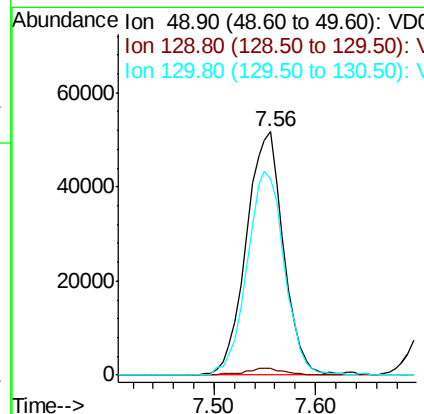
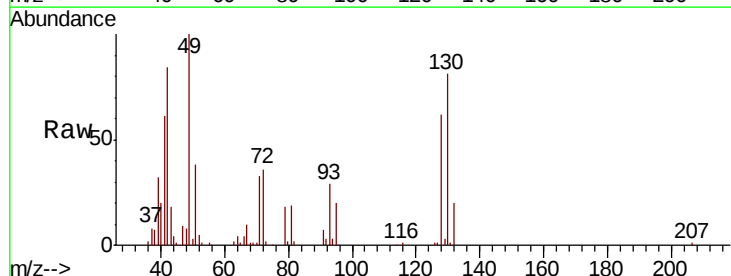
apatel
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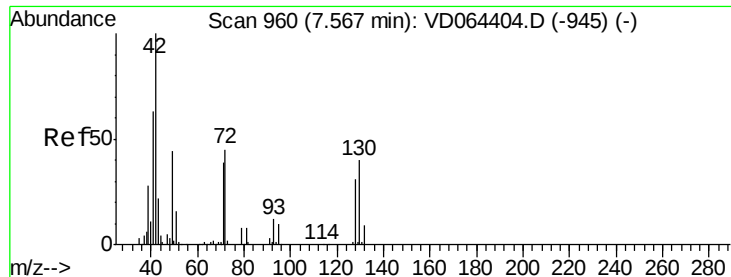


#28

Bromochloromethane
 Concen: 55.354 ug/l
 RT: 7.56 min Scan# 958
 Delta R.T. 0.01 min
 Lab File: VD064491.D
 Acq: 10 Dec 2019 18:44

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.0	0.0	4.4
130	84.4	67.4	101.0





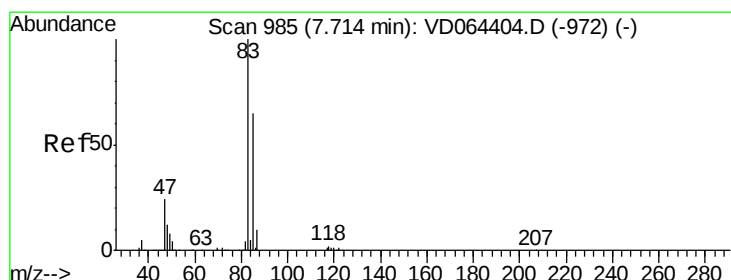
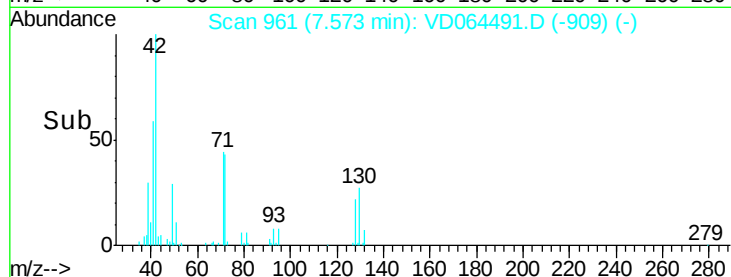
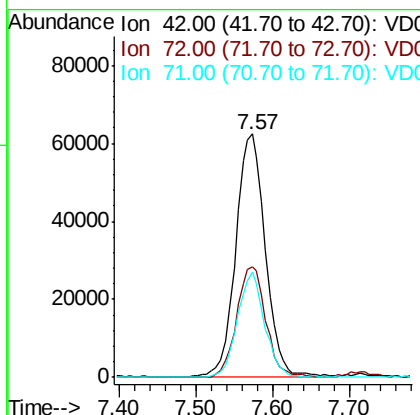
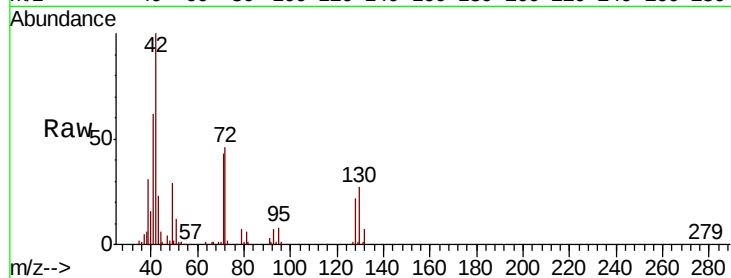
#29
Tetrahydrofuran
Concen: 247.626 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.01 min
Lab File: VD064491.D
Acq: 10 Dec 2019 18:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.7	35.8	53.8
71	39.4	32.7	49.1

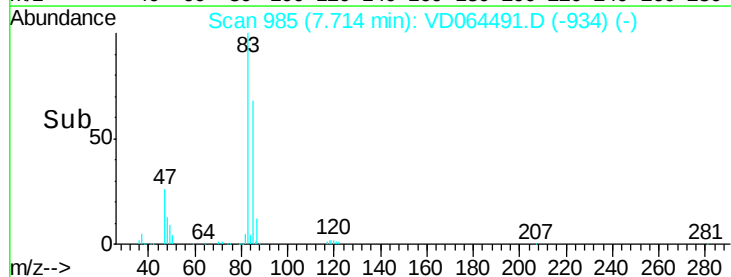
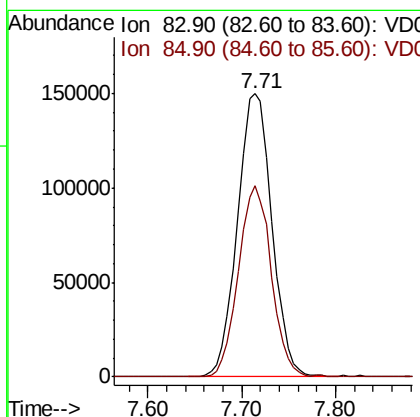
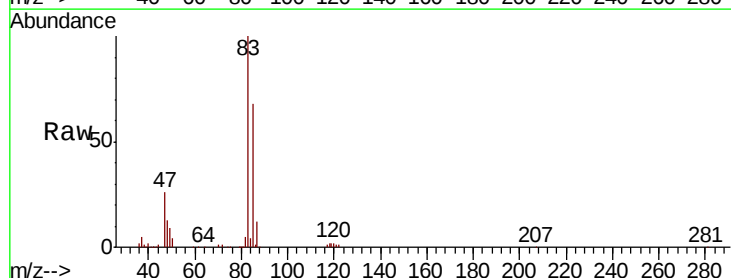
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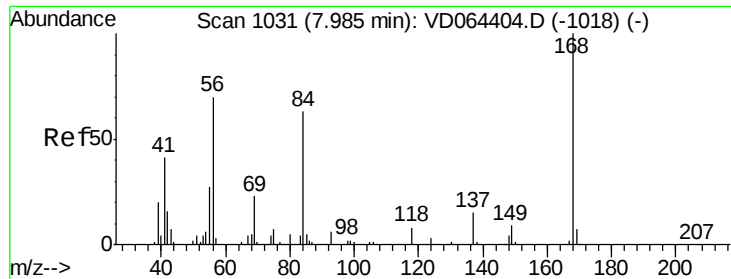
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#30
Chloroform
Concen: 53.166 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064491.D
Acq: 10 Dec 2019 18:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.7	51.8	77.6





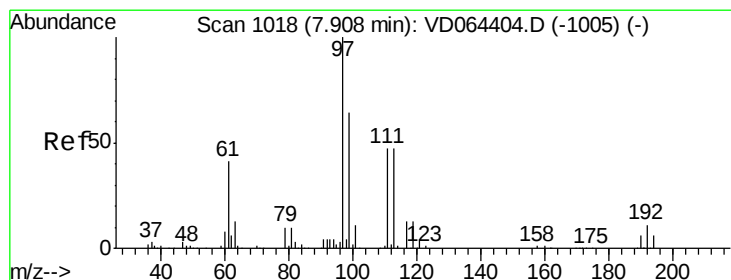
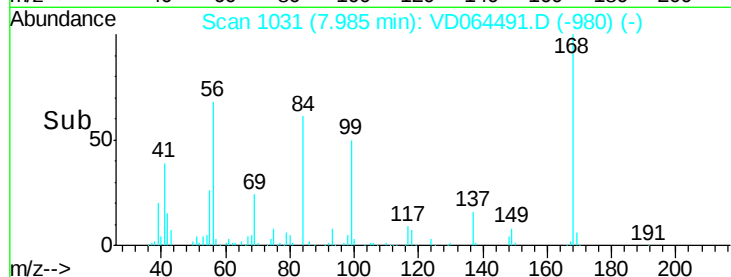
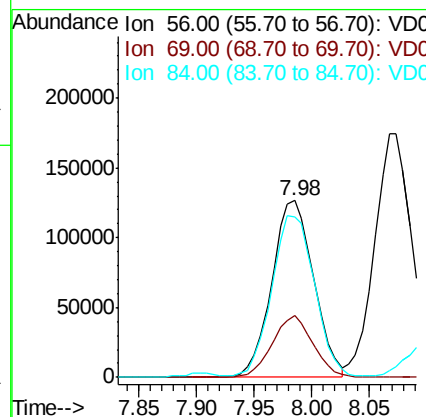
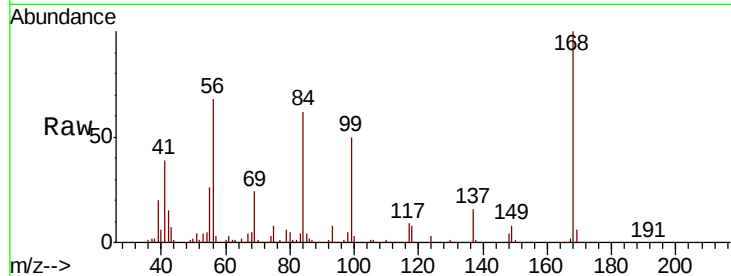
#31
Cyclohexane
Concen: 53.296 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064491.D
Acq: 10 Dec 2019 18:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.1	26.2	39.4
84	88.9	70.3	105.5

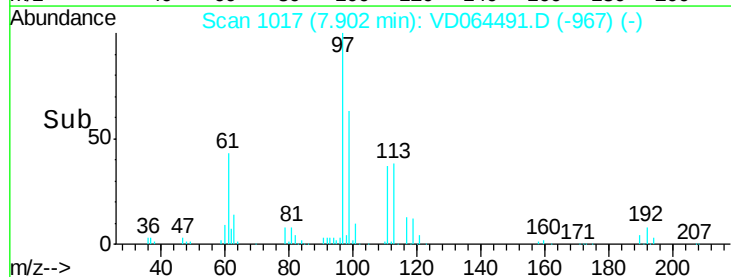
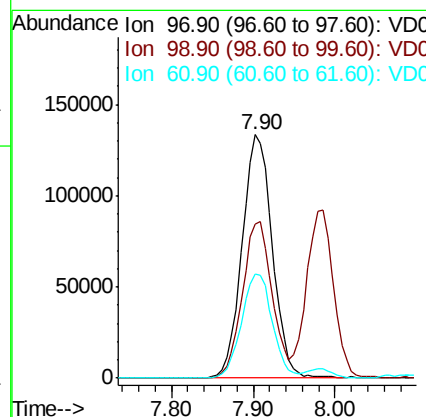
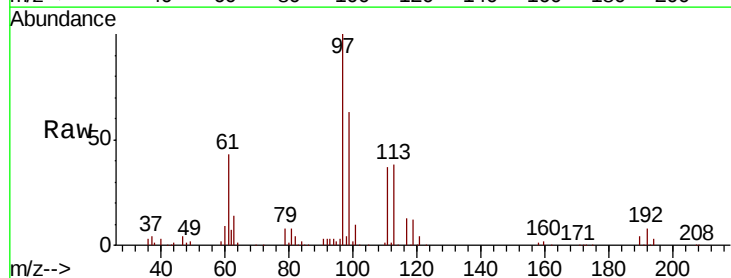
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#32
1,1,1-Trichloroethane
Concen: 51.720 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064491.D
Acq: 10 Dec 2019 18:44

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.2	51.4	77.2
61	43.7	35.0	52.4





#33

1,2-Dichloroethane-d4

Concen: 51.719 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD064491.D

Acq: 10 Dec 2019 18:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 193904

Ion Ratio Lower Upper

65 100

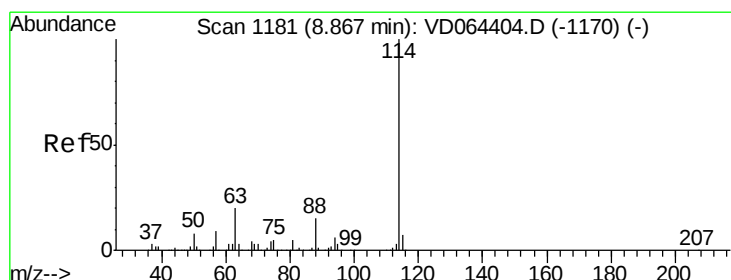
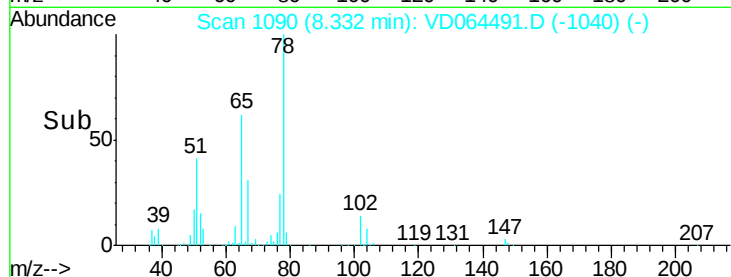
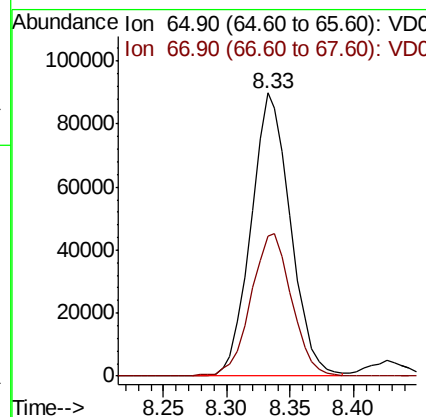
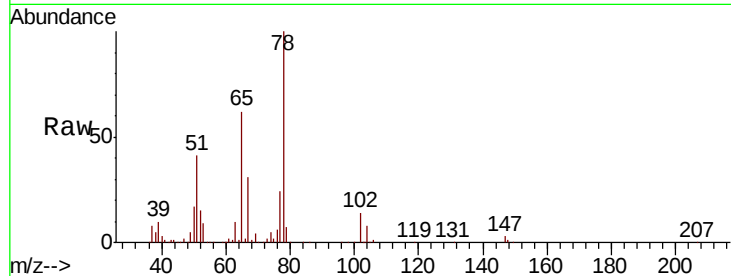
67 52.4 0.0 102.0

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12/11/2019 2:15:26 PM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064491.D

Acq: 10 Dec 2019 18:44

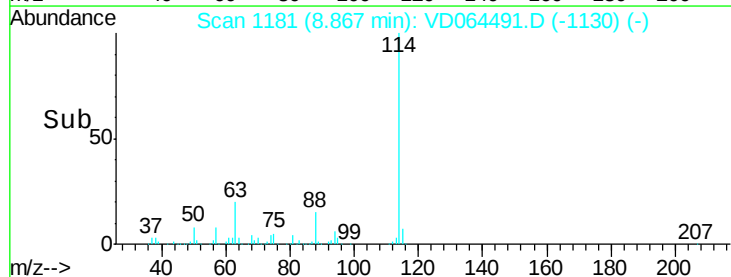
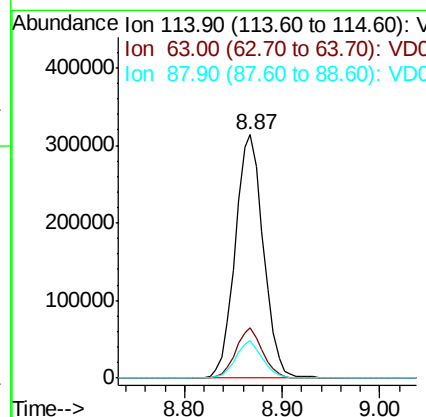
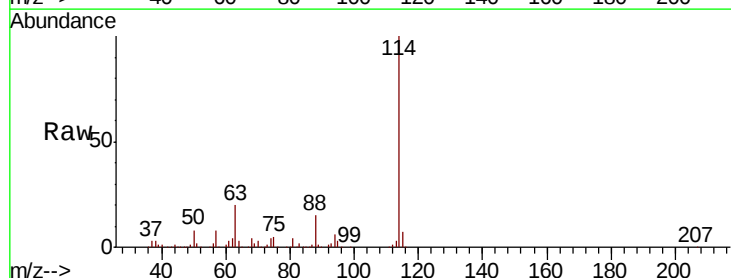
Tgt Ion: 114 Resp: 626964

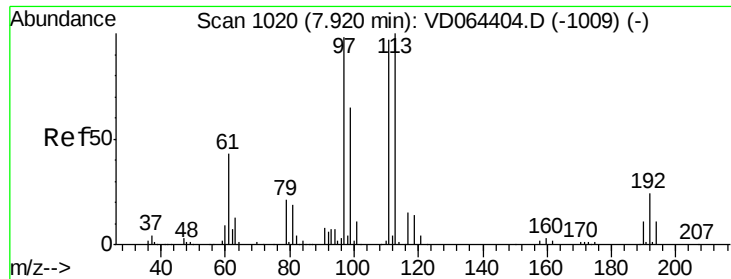
Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.0

88 15.4 0.0 29.2





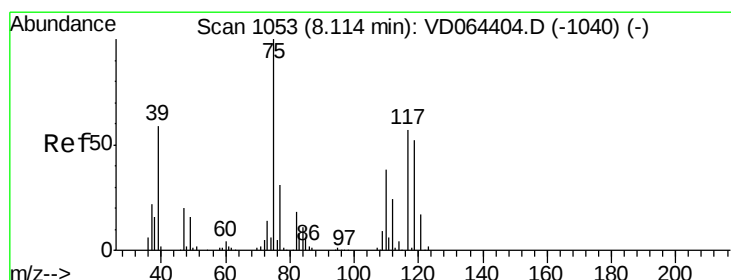
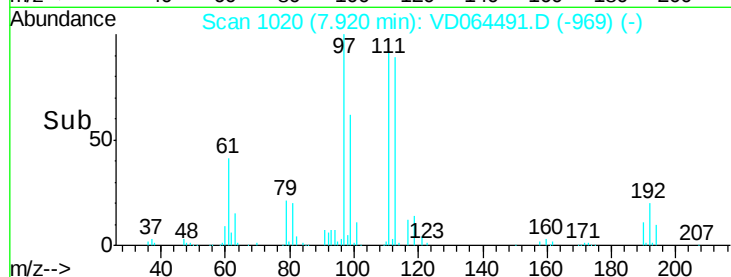
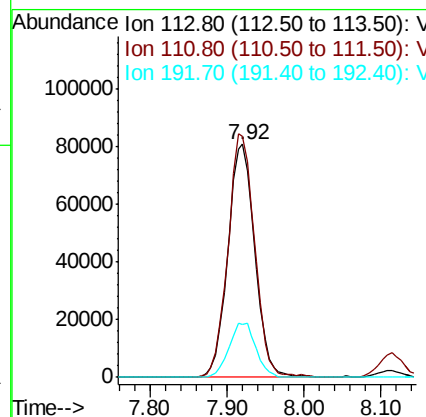
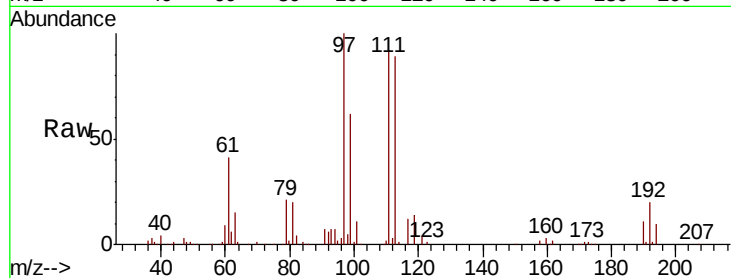
#35
 Dibromofluoromethane
 Concen: 50.033 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD064491.D
 Acq: 10 Dec 2019 18:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	79.4	119.2
192	23.2	18.6	28.0

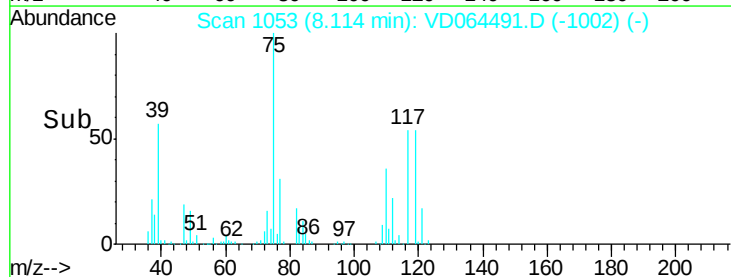
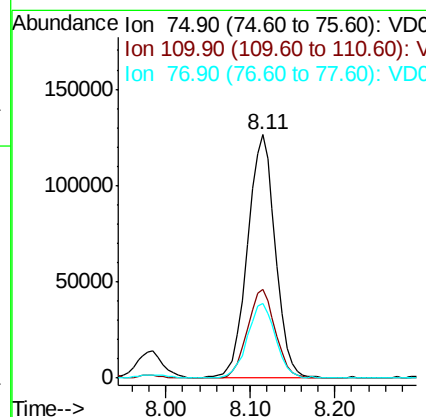
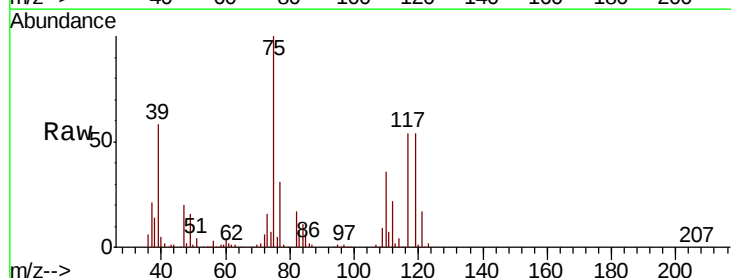
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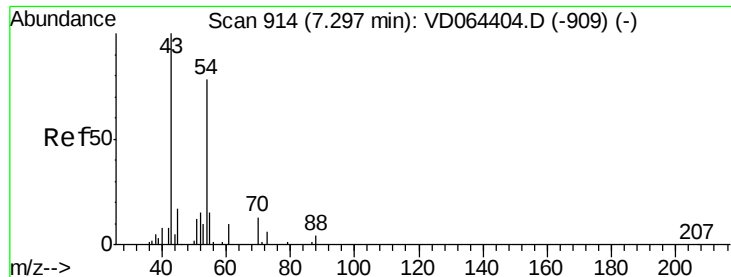
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#36
 1,1-Dichloropropene
 Concen: 48.495 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD064491.D
 Acq: 10 Dec 2019 18:44

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.7	18.6	55.8
77	31.3	25.0	37.4





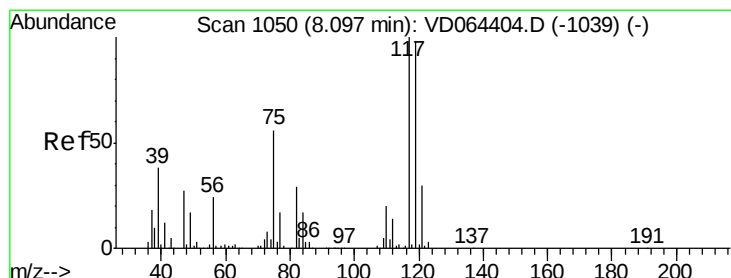
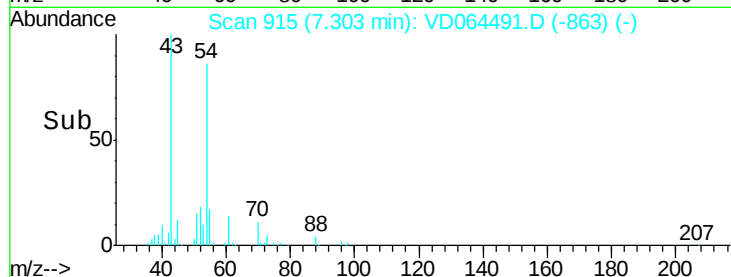
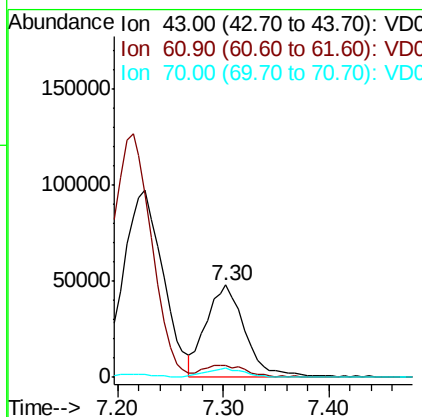
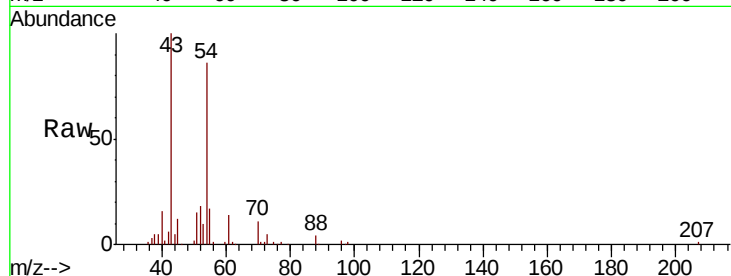
#37
Ethyl Acetate
Concen: 47.636 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064491.D
Acq: 10 Dec 2019 18:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	10.9	16.3
70	10.1	8.3	12.5

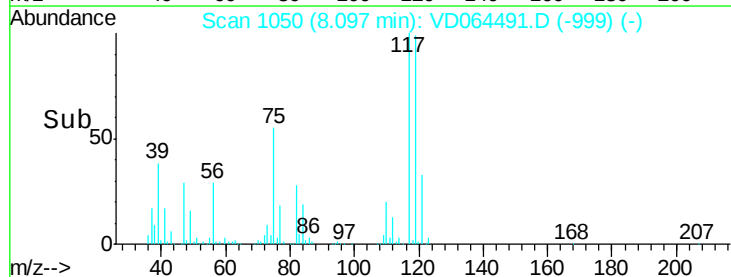
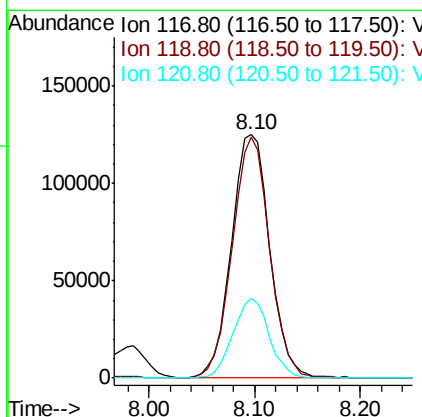
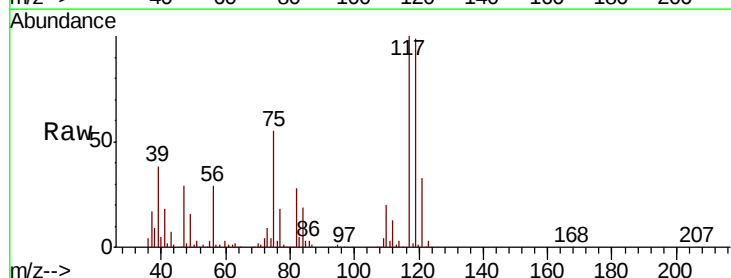
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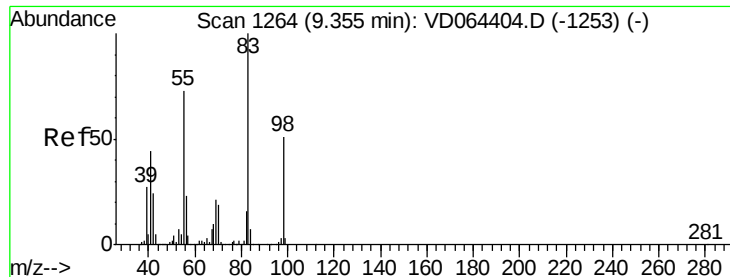
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#38
Carbon Tetrachloride
Concen: 49.949 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064491.D
Acq: 10 Dec 2019 18:44

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.5	78.8	118.2
121	32.9	24.2	36.2





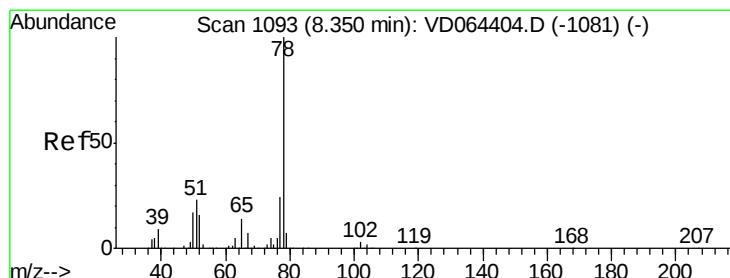
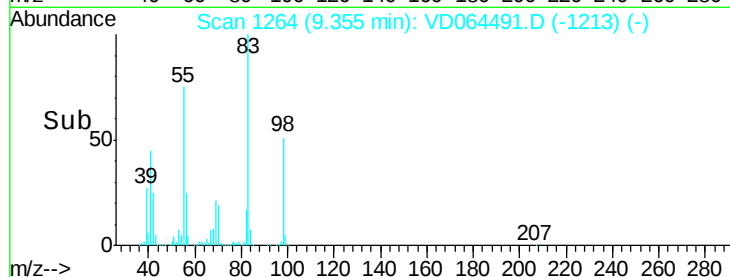
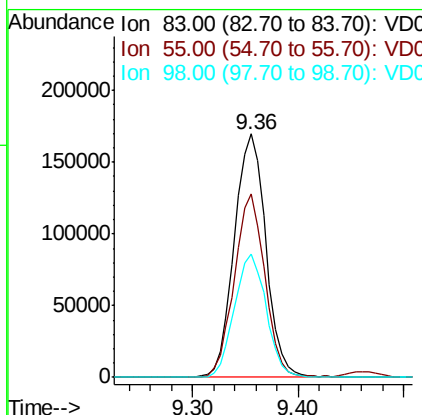
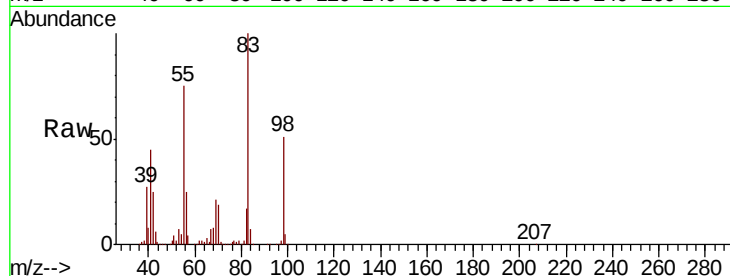
#39
Methvlcvclohexane
Concen: 47.753 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064491.D
Acq: 10 Dec 2019 18:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.4	58.6	87.8
98	50.6	40.9	61.3

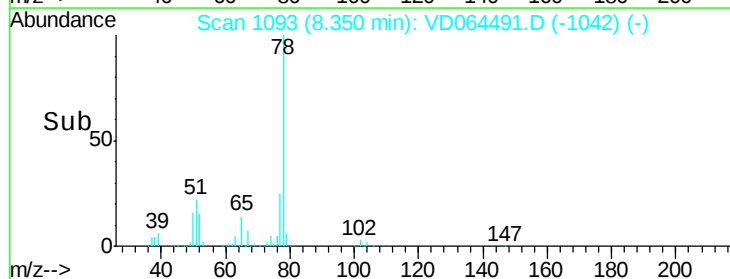
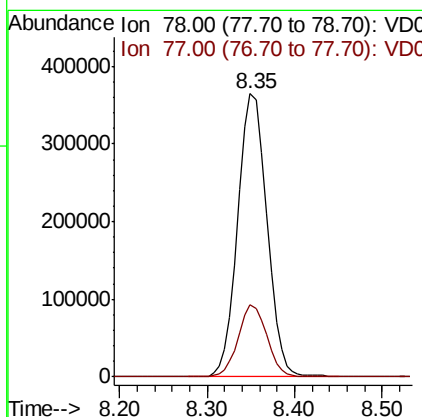
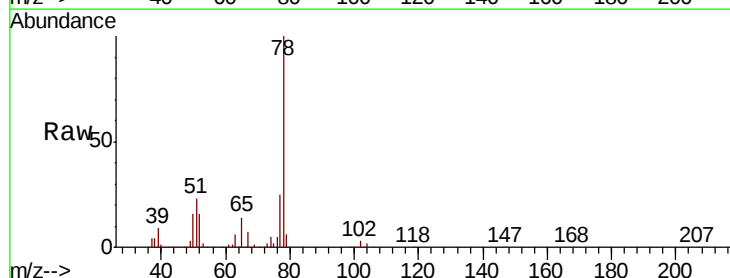
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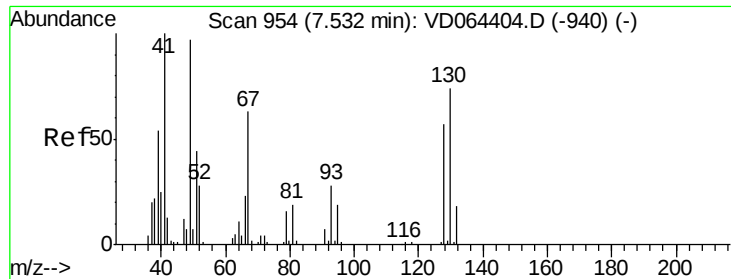
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#40
Benzene
Concen: 50.054 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD064491.D
Acq: 10 Dec 2019 18:44

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.5	19.6	29.4





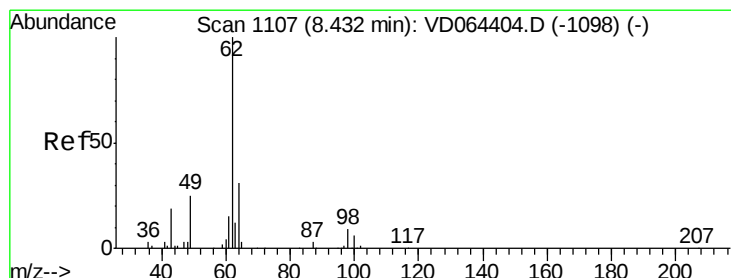
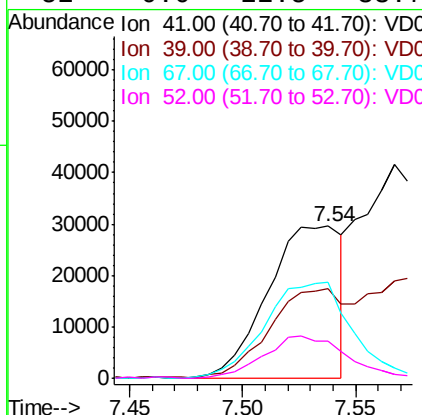
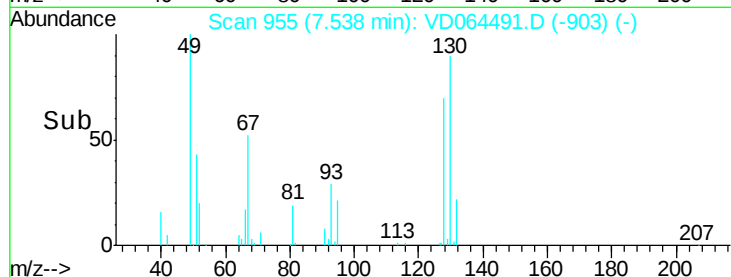
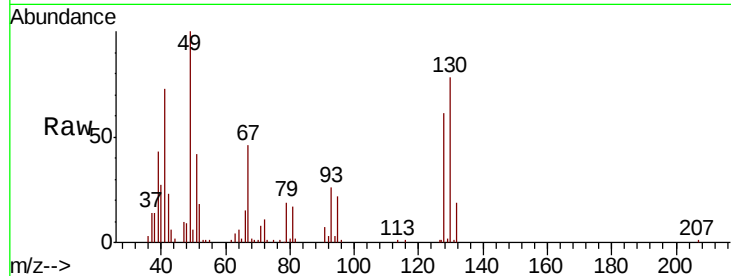
#41
Methacrylonitrile
Concen: 47.181 ug/l m
RT: 7.54 min Scan# 955
Delta R.T. 0.01 min
Lab File: VD064491.D
Acq: 10 Dec 2019 18:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

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#

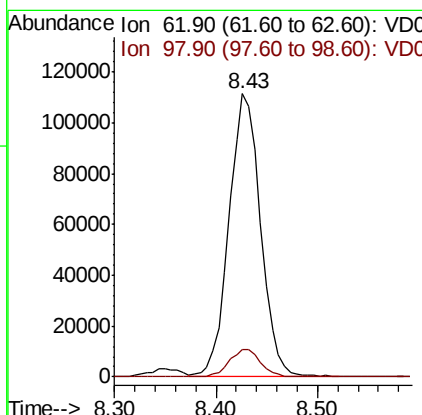
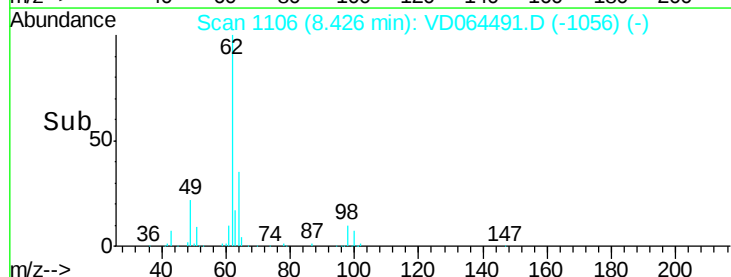
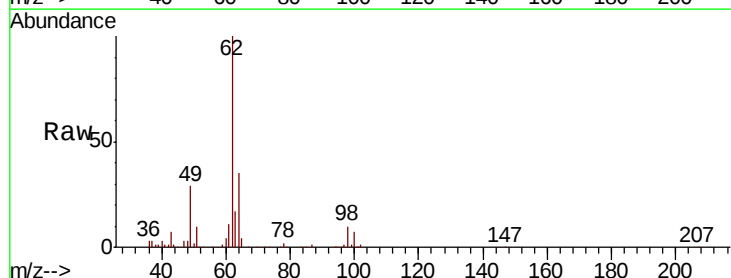
Manual Integrations
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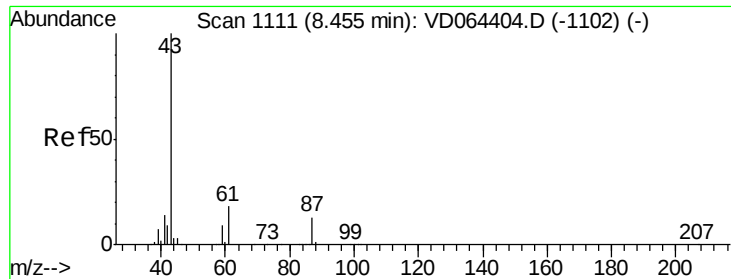
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#42
1,2-Dichloroethane
Concen: 49.804 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD064491.D
Acq: 10 Dec 2019 18:44

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	20.6





#43

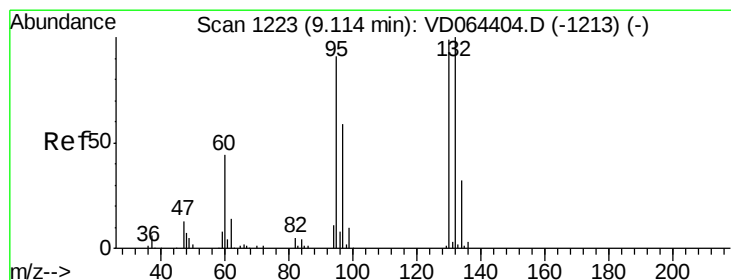
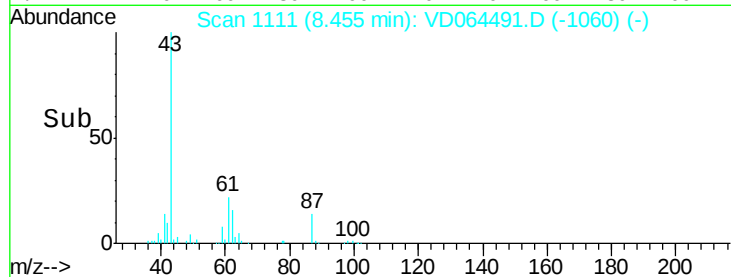
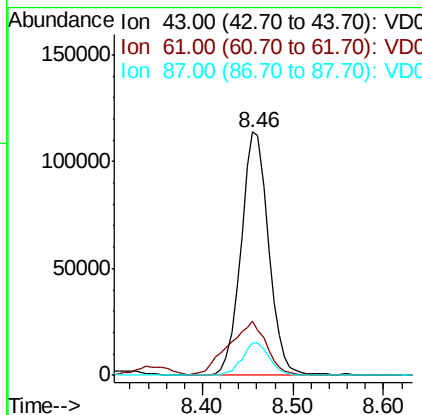
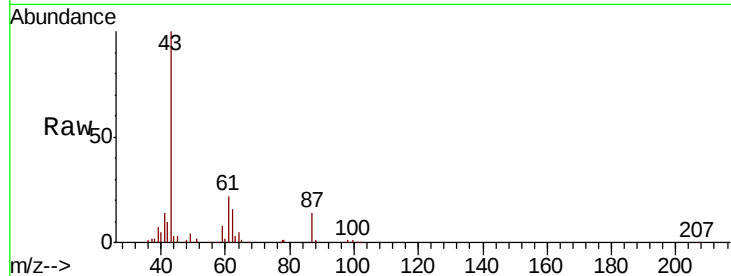
Isopropyl Acetate
 Concen: 48.703 ug/l
 RT: 8.46 min Scan# 1111
 Delta R.T. -0.00 min
 Lab File: VD064491.D
 Acq: 10 Dec 2019 18:44

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.5	24.0	36.0
87	13.2	10.6	15.8

Manual Integrations
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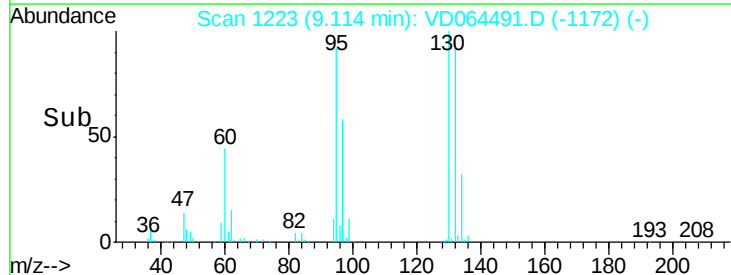
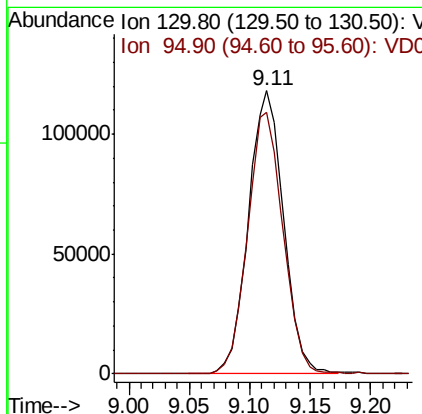
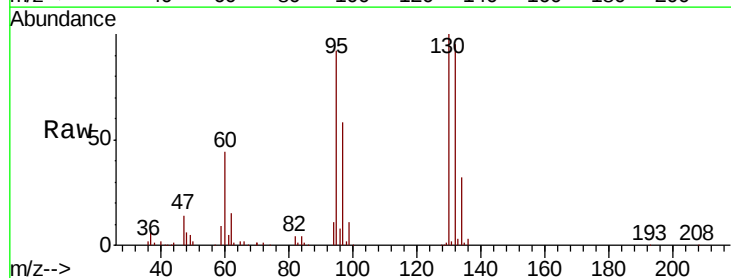
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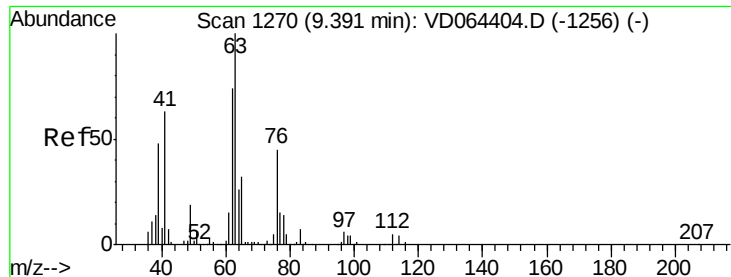


#44

Trichloroethene
 Concen: 48.306 ug/l
 RT: 9.11 min Scan# 1223
 Delta R.T. -0.00 min
 Lab File: VD064491.D
 Acq: 10 Dec 2019 18:44

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.3	0.0	184.6





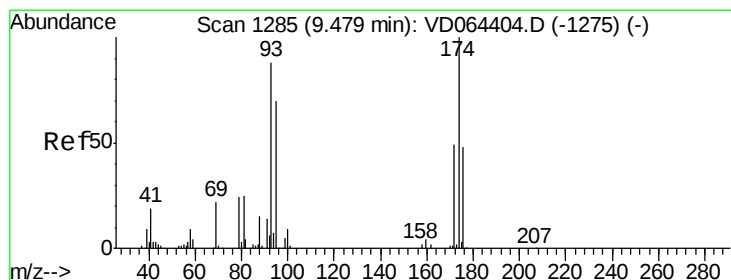
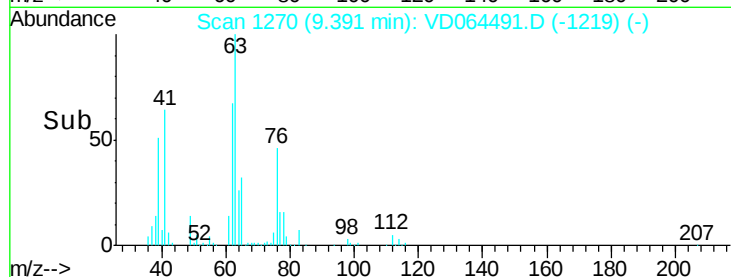
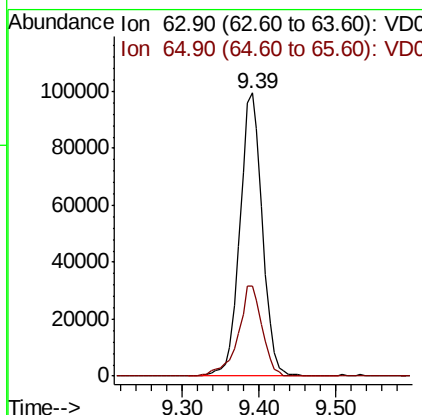
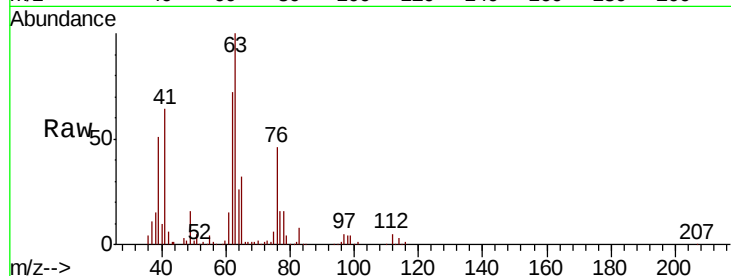
#45
 1,2-Dichloropropane
 Concen: 51.642 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD064491.D
 Acq: 10 Dec 2019 18:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 203422
 Ion Ratio Lower Upper
 63 100
 65 32.0 25.4 38.0

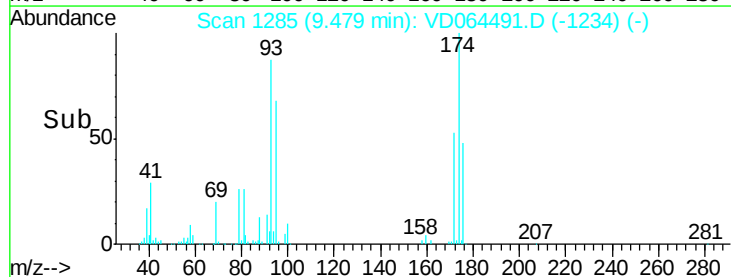
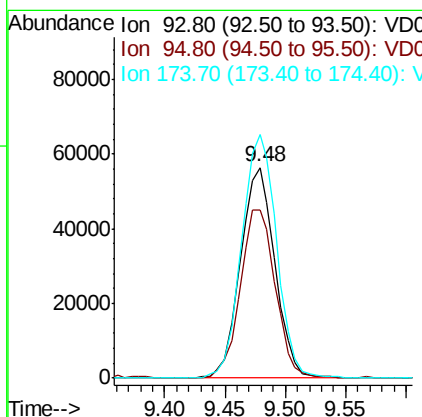
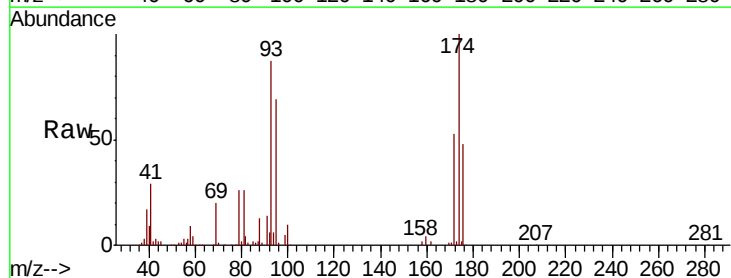
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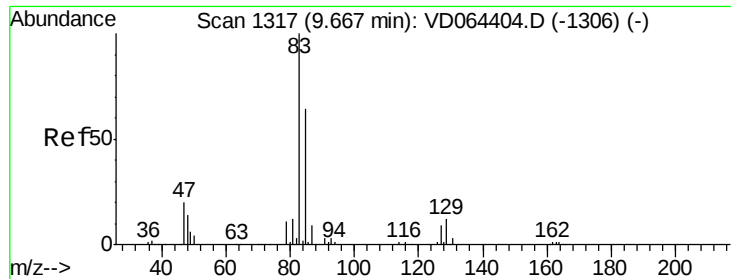
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#46
 Dibromomethane
 Concen: 50.561 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD064491.D
 Acq: 10 Dec 2019 18:44

Tgt Ion: 93 Resp: 112407
 Ion Ratio Lower Upper
 93 100
 95 81.6 66.7 100.1
 174 117.3 92.3 138.5





#47

Bromodichloromethane

Concen: 52.205 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064491.D

Acq: 10 Dec 2019 18:44

Instrument :

MSVOA_D

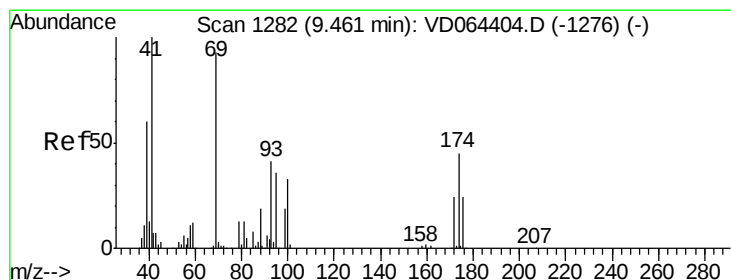
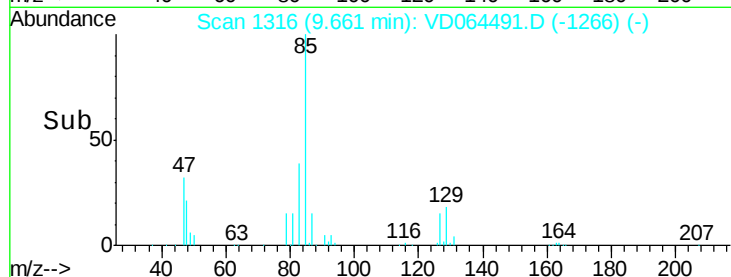
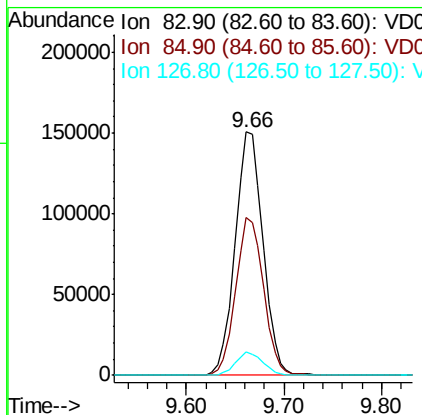
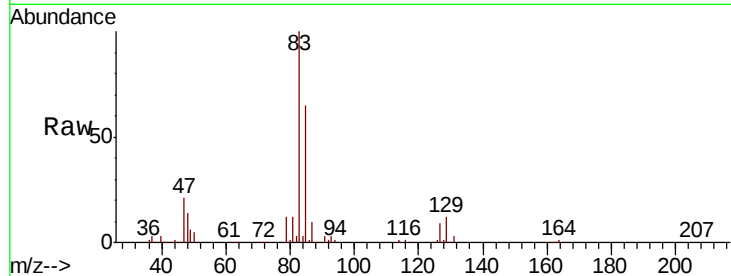
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	298219
Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.1	76.7
127	9.5	7.4	11.0

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#48

Methyl methacrylate

Concen: 48.603 ug/l

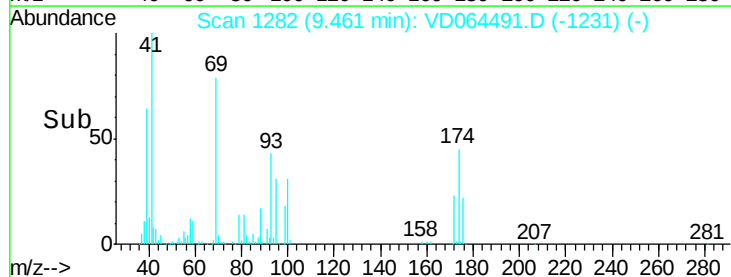
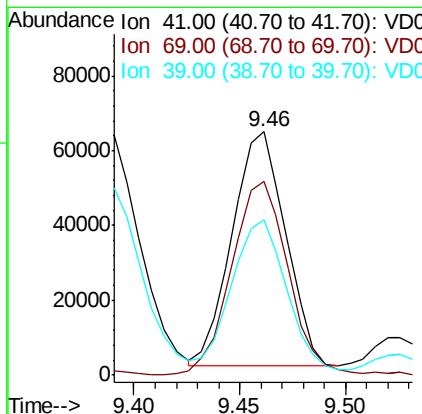
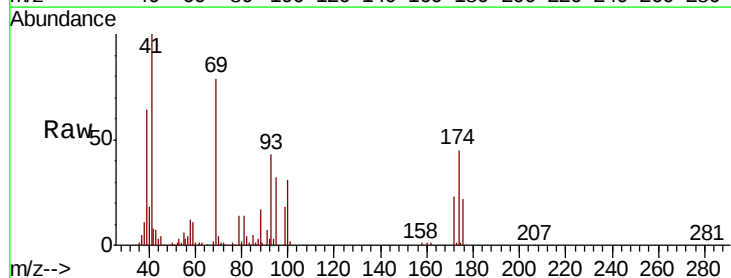
RT: 9.46 min Scan# 1282

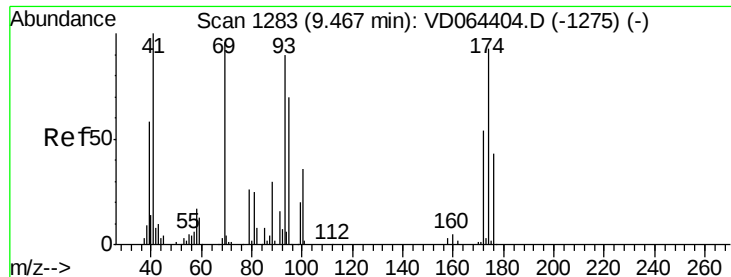
Delta R.T. 0.00 min

Lab File: VD064491.D

Acq: 10 Dec 2019 18:44

Tgt Ion:	41	Resp:	110036
Ion	Ratio	Lower	Upper
41	100		
69	86.4	72.0	108.0
39	65.1	55.2	82.8





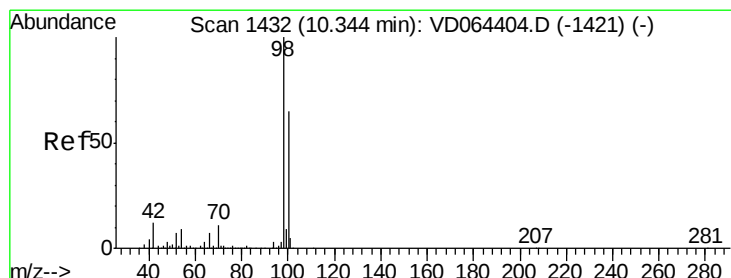
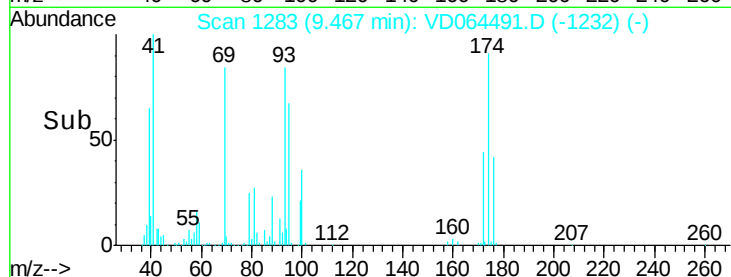
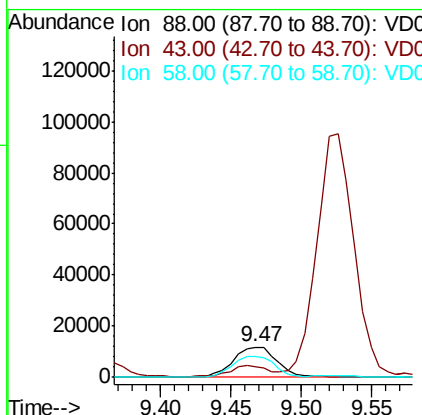
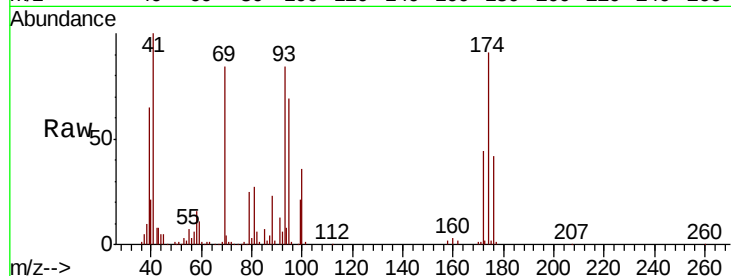
#49
1,4-Dioxane
Concen: 939.041 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD064491.D
Acq: 10 Dec 2019 18:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.3	26.7	40.1
58	69.3	52.3	78.5

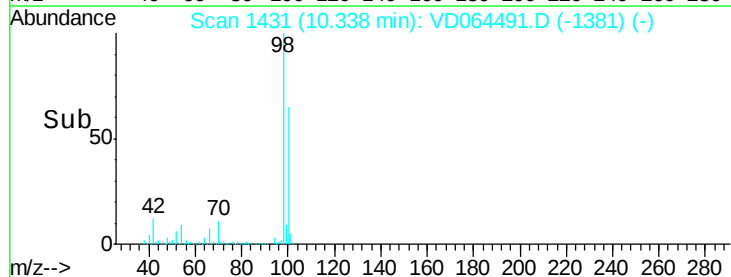
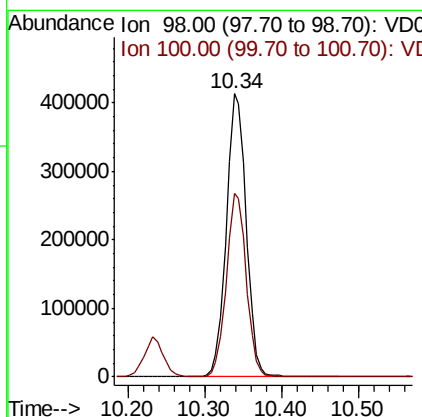
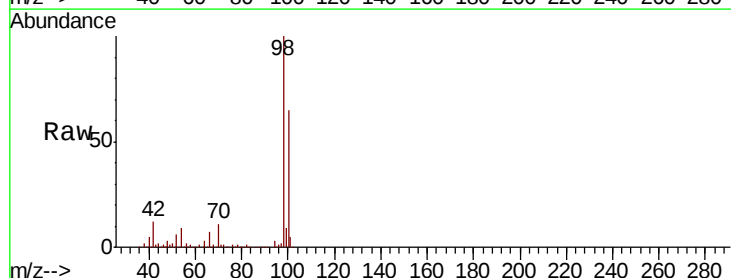
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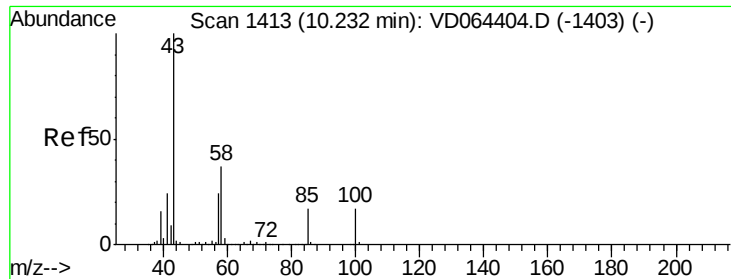
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#50
Toluene-d8
Concen: 50.061 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VD064491.D
Acq: 10 Dec 2019 18:44

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.6	79.0





#51

4-Methyl-2-Pentanone

Concen: 241.160 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064491.D

Acq: 10 Dec 2019 18:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 590360

Ion Ratio Lower Upper

43 100

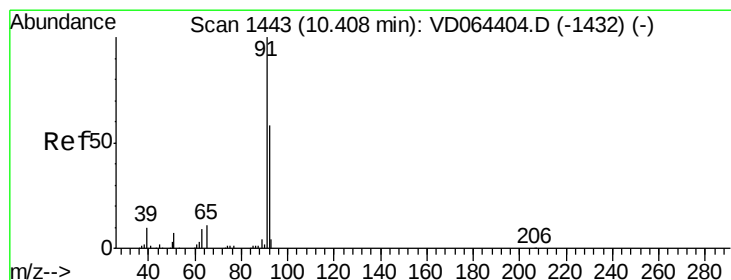
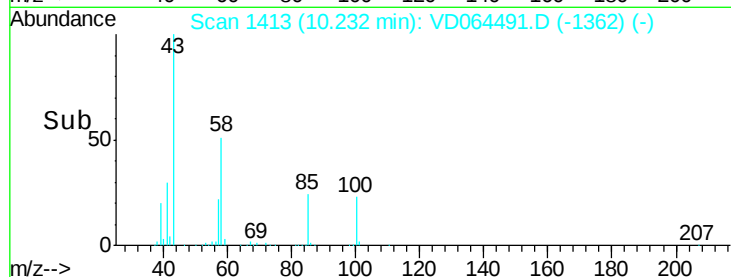
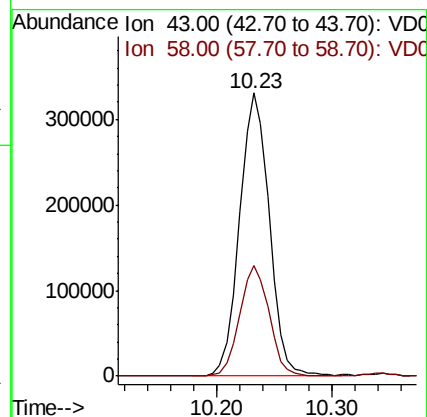
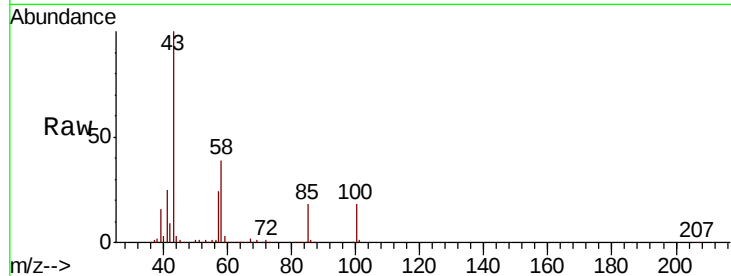
58 38.9 30.6 46.0

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#52

Toluene

Concen: 49.671 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD064491.D

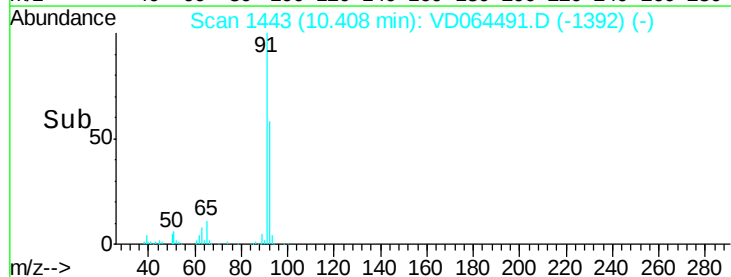
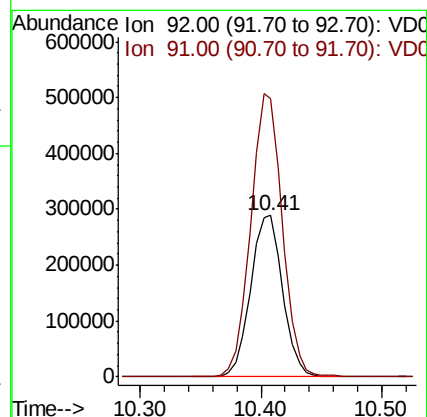
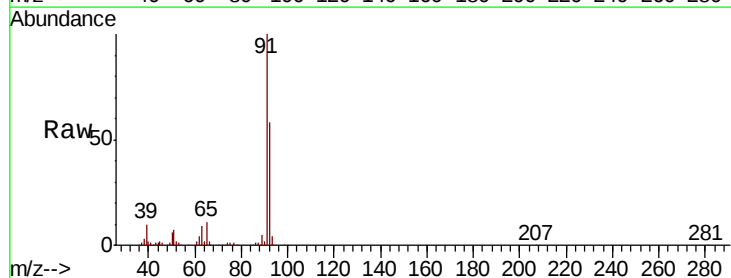
Acq: 10 Dec 2019 18:44

Tgt Ion: 92 Resp: 533170

Ion Ratio Lower Upper

92 100

91 173.5 137.8 206.6





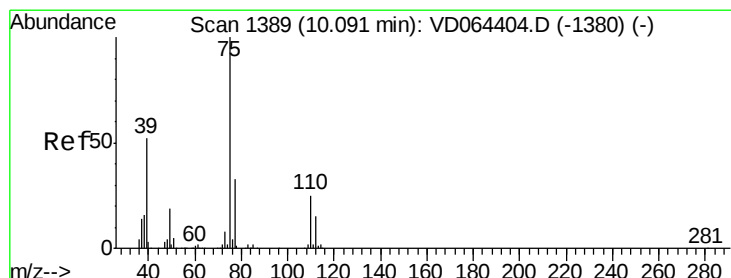
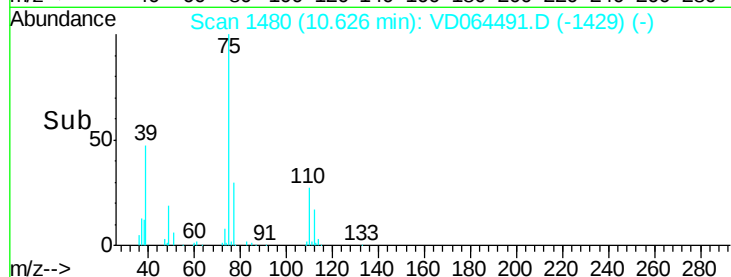
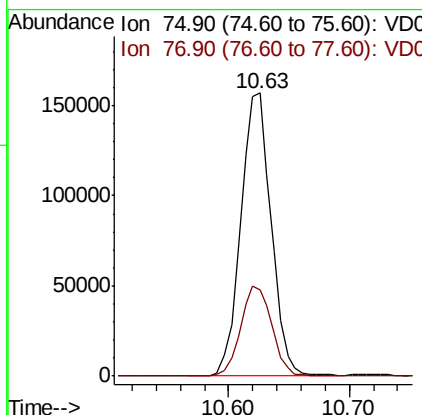
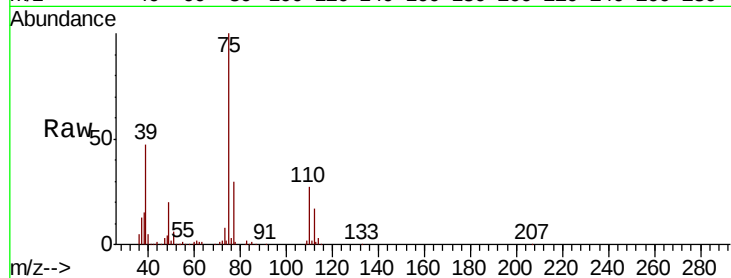
#53
t-1,3-Dichloropropene
Concen: 50.667 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD064491.D
Acq: 10 Dec 2019 18:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 275841
Ion Ratio Lower Upper
75 100
77 30.4 25.0 37.4

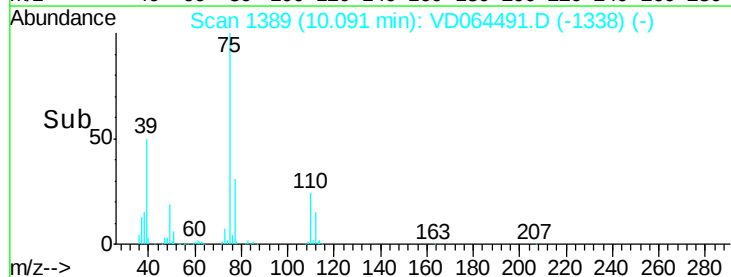
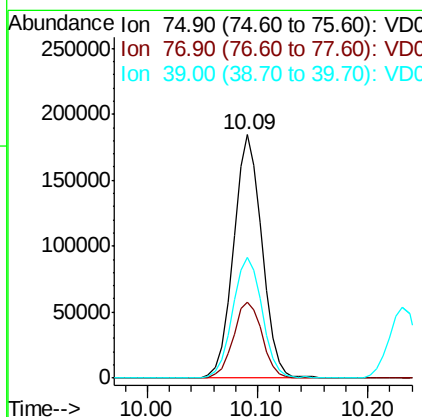
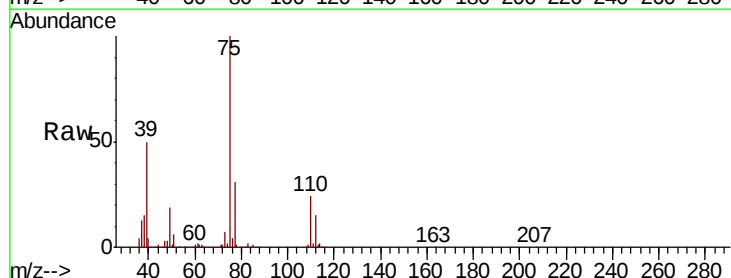
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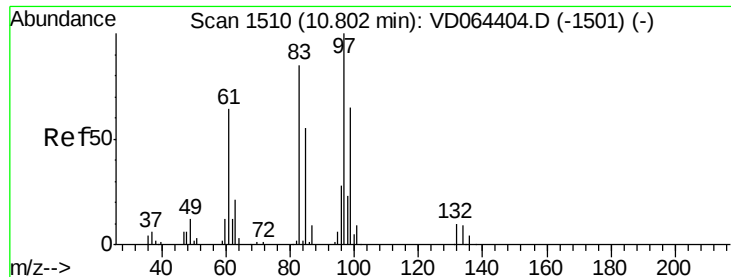
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#54
cis-1,3-Dichloropropene
Concen: 51.628 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VD064491.D
Acq: 10 Dec 2019 18:44

Tgt Ion: 75 Resp: 333908
Ion Ratio Lower Upper
75 100
77 31.4 26.1 39.1
39 49.7 41.5 62.3





#55

1,1,2-Trichloroethane

Concen: 50.345 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VD064491.D

Acq: 10 Dec 2019 18:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 153261

Ion Ratio Lower Upper

97 100

83 85.2 67.8 101.8

85 53.5 43.7 65.5

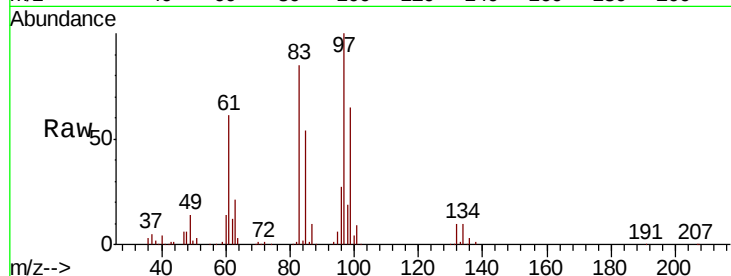
99 64.7 51.7 77.5

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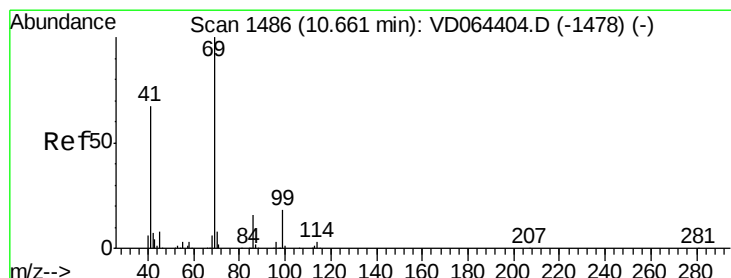
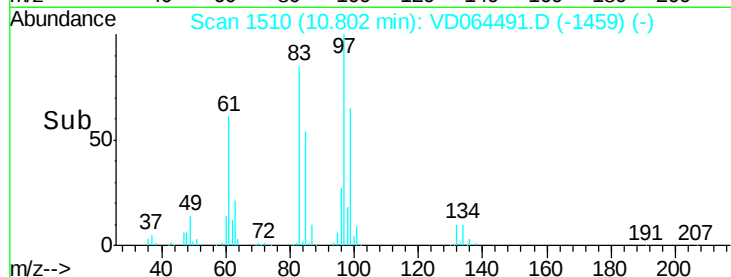
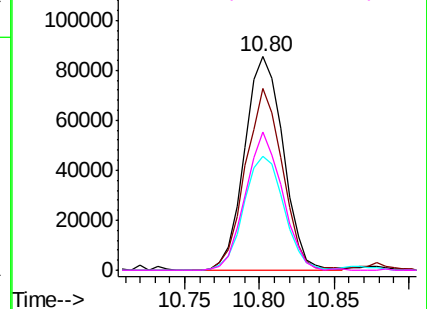


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 49.543 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. -0.00 min

Lab File: VD064491.D

Acq: 10 Dec 2019 18:44

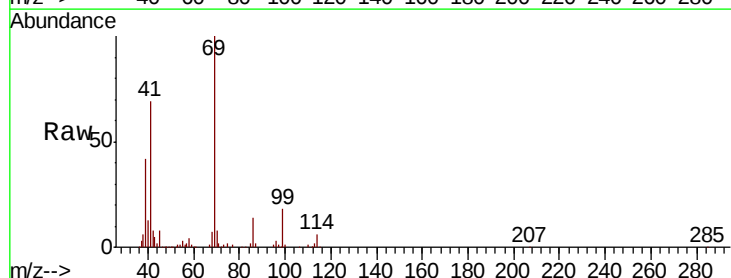
Tgt Ion: 69 Resp: 192363

Ion Ratio Lower Upper

69 100

41 70.8 55.0 82.4

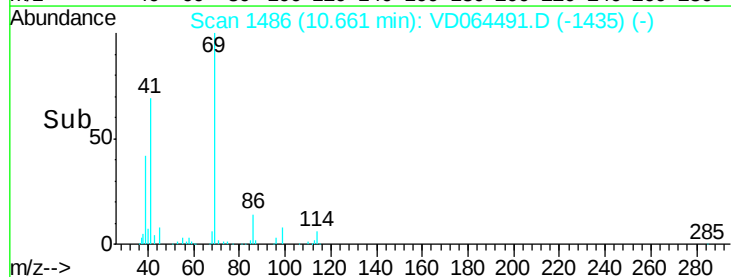
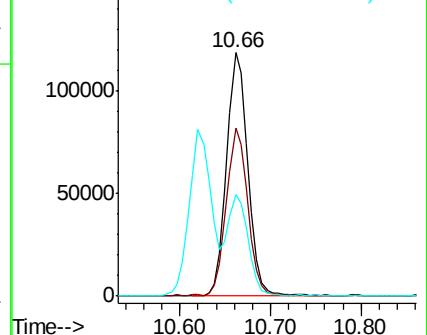
39 41.0 33.0 49.6



Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 50.529 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD064491.D

Acq: 10 Dec 2019 18:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 261844

Ion Ratio Lower Upper

76 100

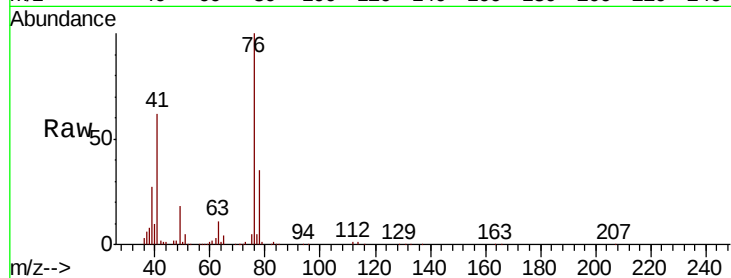
78 32.8 26.0 39.0

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

10.95

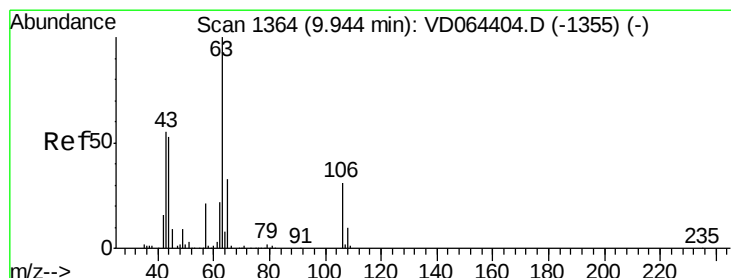
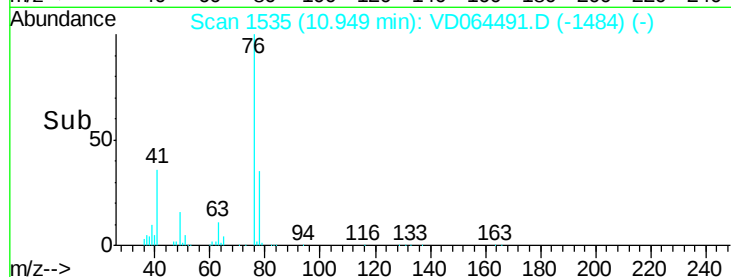
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 234.315 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD064491.D

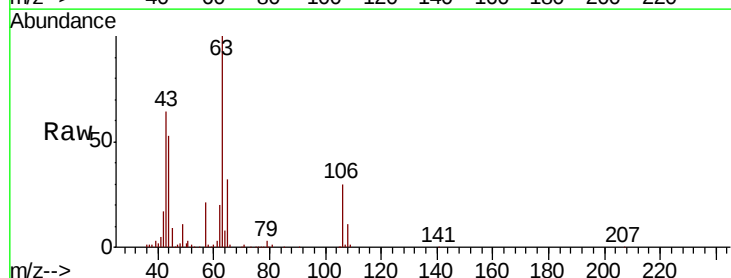
Acq: 10 Dec 2019 18:44

Tgt Ion: 63 Resp: 362674

Ion Ratio Lower Upper

63 100

106 29.7 24.2 36.4



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

9.94

200000

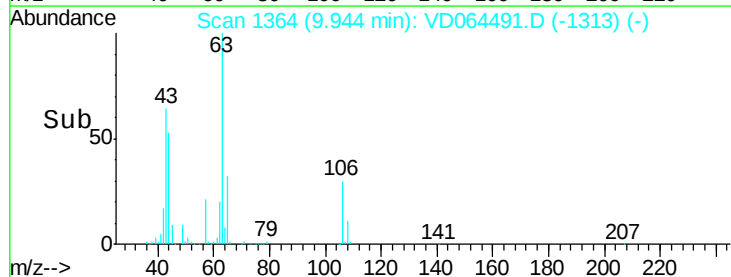
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100000

50000

0

Time-->





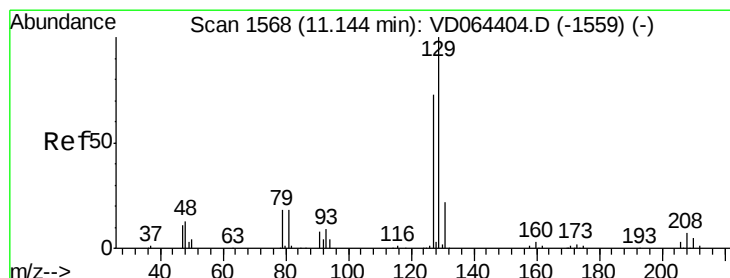
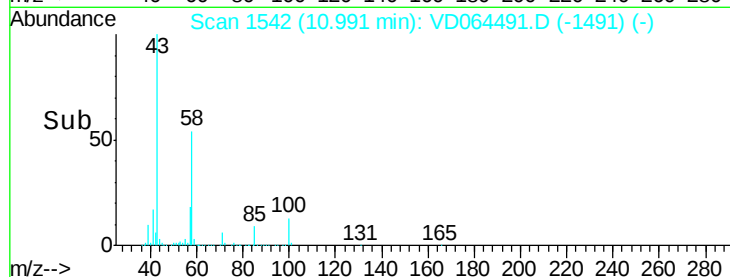
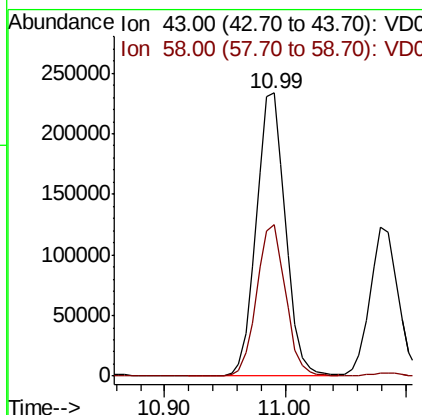
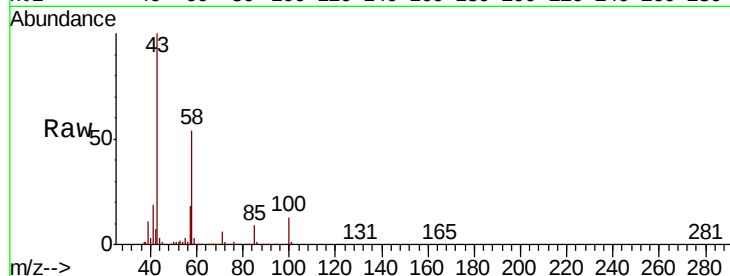
#59
2-Hexanone
Concen: 232.383 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064491.D
Acq: 10 Dec 2019 18:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	394736
Ion Ratio	43	100	
Lower	58	53.0	26.3
Upper			78.8

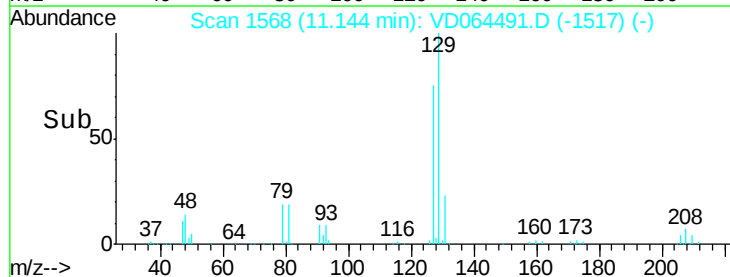
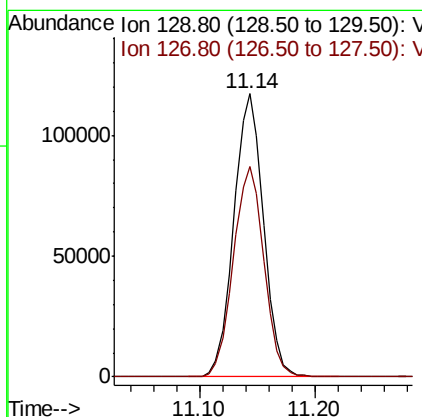
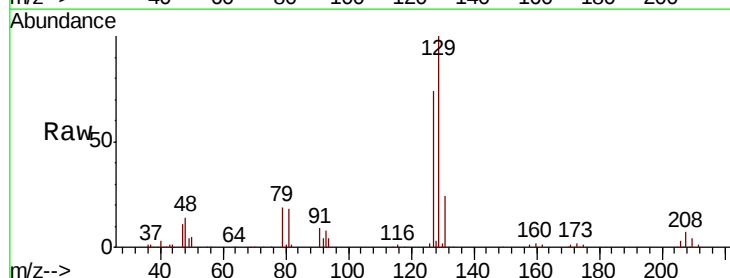
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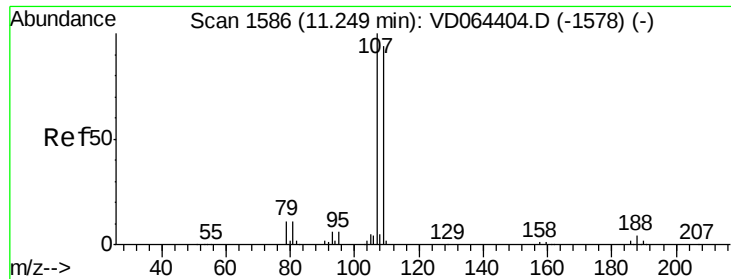
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#60
Dibromochloromethane
Concen: 50.546 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064491.D
Acq: 10 Dec 2019 18:44

Tgt Ion	129	Resp	208629
Ion Ratio	129	100	
Lower	127	76.6	38.1
Upper			114.3





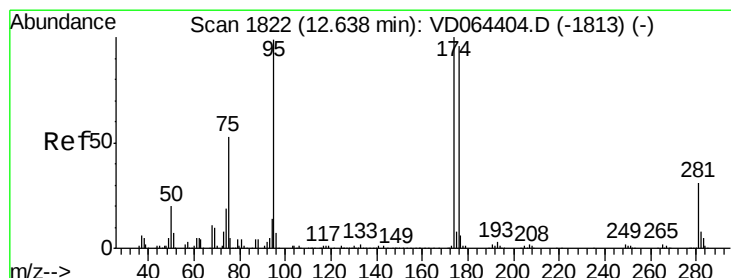
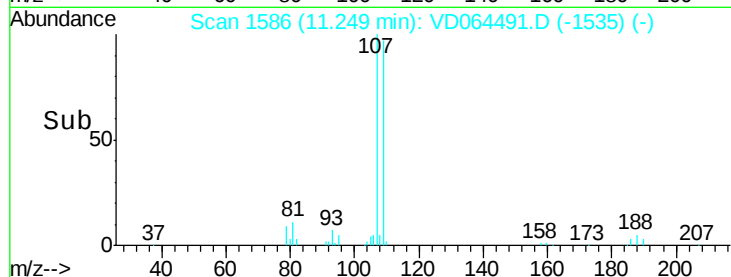
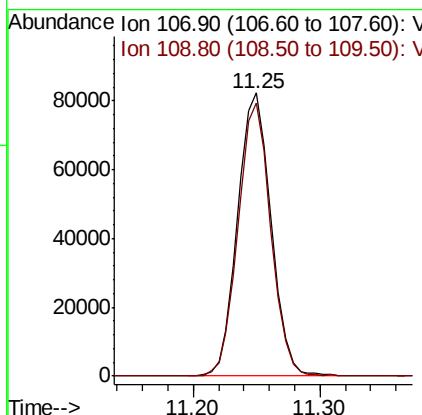
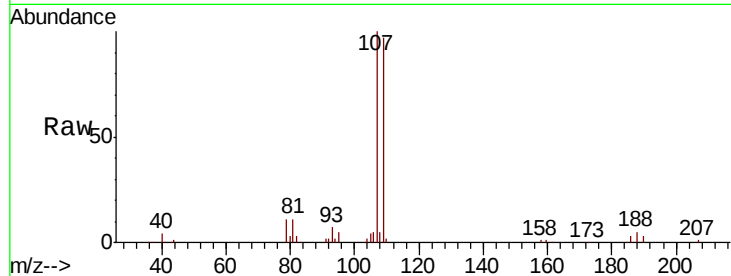
#61
 1,2-Dibromoethane
 Concen: 49.516 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD064491.D
 Acq: 10 Dec 2019 18:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
107	100	150505		
109	94.3	76.2	114.2	

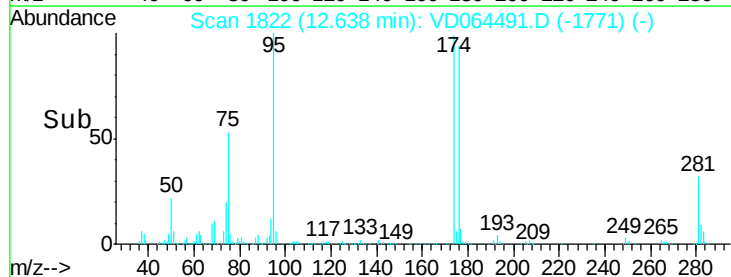
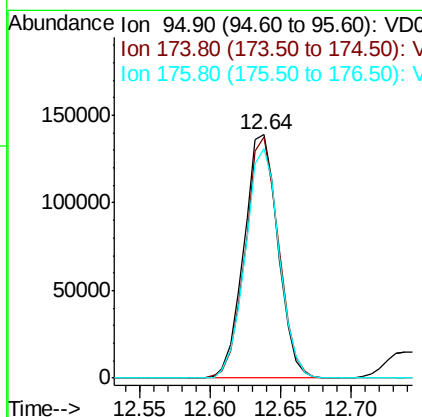
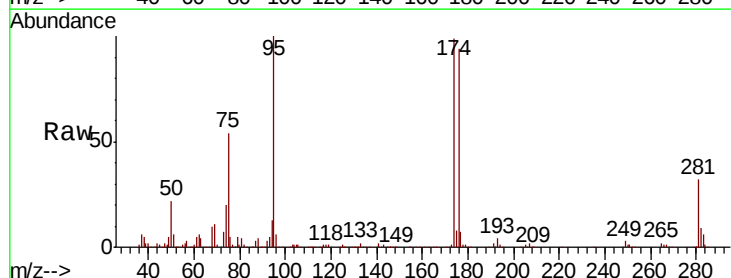
Manual Integrations
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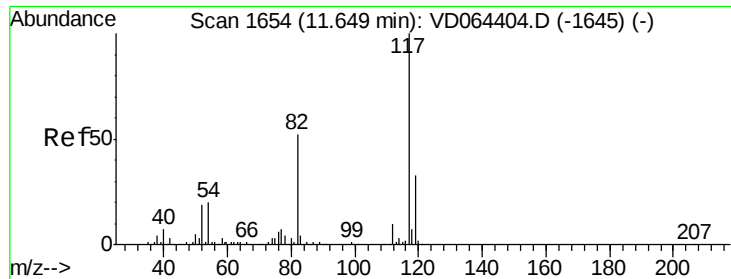
apatel
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#62
 4-Bromofluorobenzene
 Concen: 49.136 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064491.D
 Acq: 10 Dec 2019 18:44

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	234969		
174	96.9	0.0	197.2	
176	94.2	0.0	189.6	





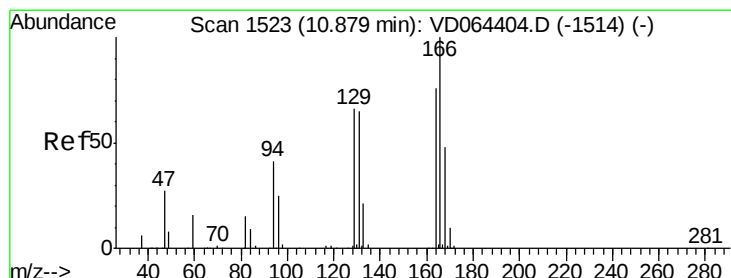
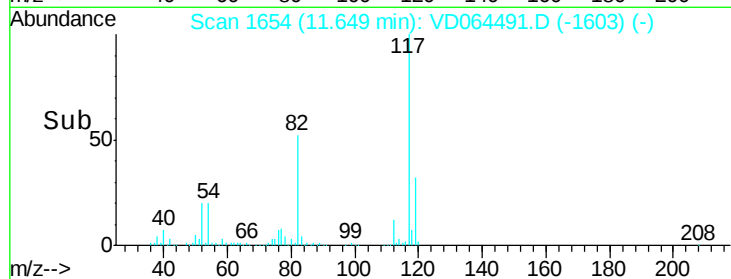
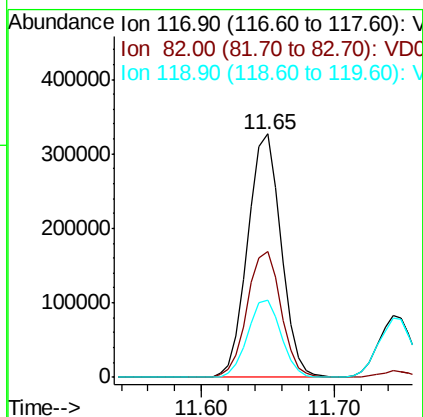
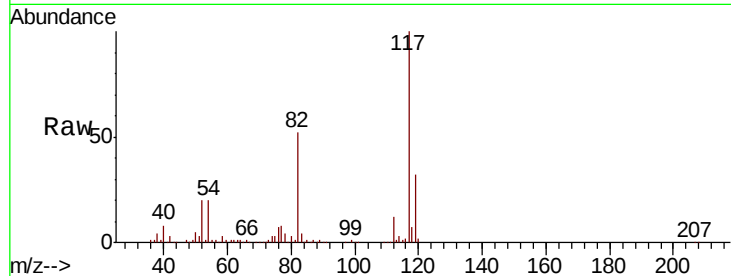
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064491.D
Acq: 10 Dec 2019 18:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	564397		
82	51.7		41.4	62.2
119	31.9		26.2	39.2

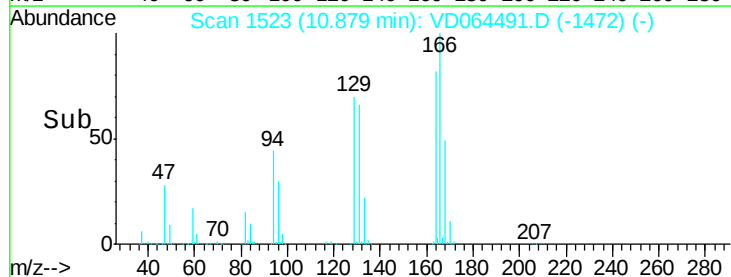
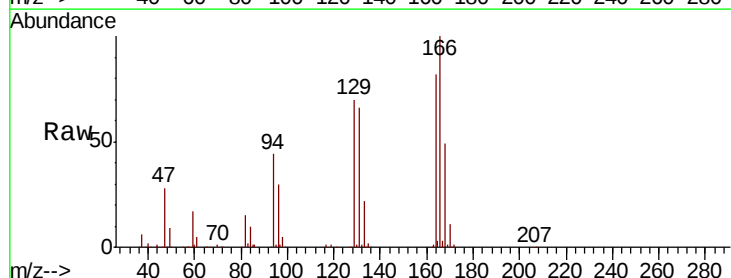
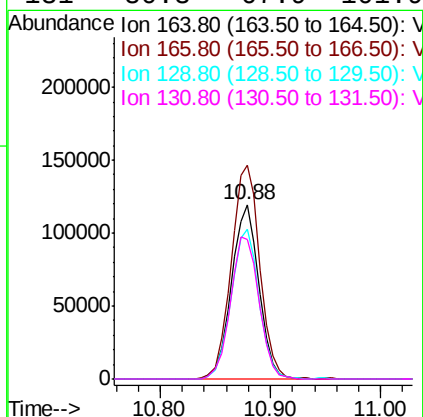
Manual Integrations
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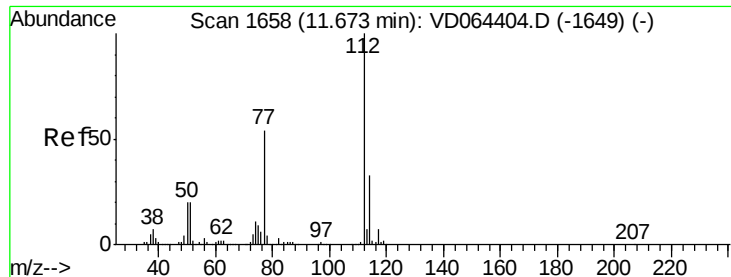
apatel
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#64
Tetrachloroethene
Concen: 48.345 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD064491.D
Acq: 10 Dec 2019 18:44

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	208076		
166	122.6		104.8	157.2
129	85.8		68.7	103.1
131	80.3		67.9	101.9





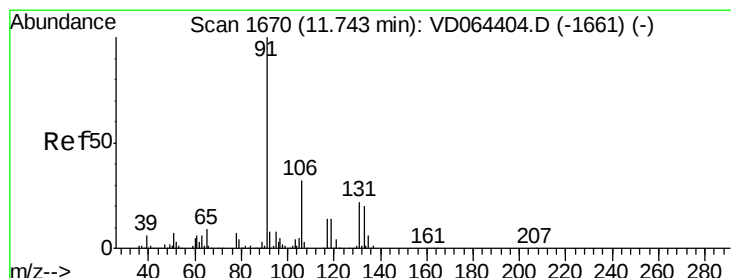
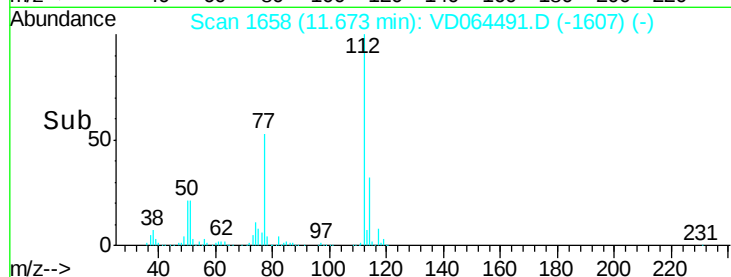
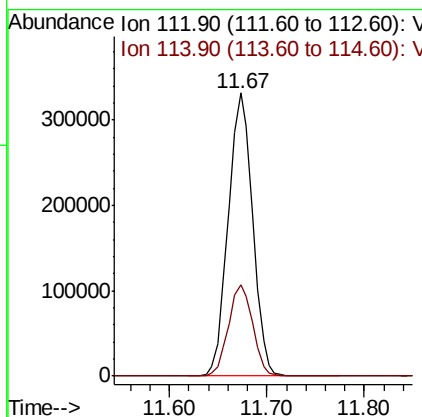
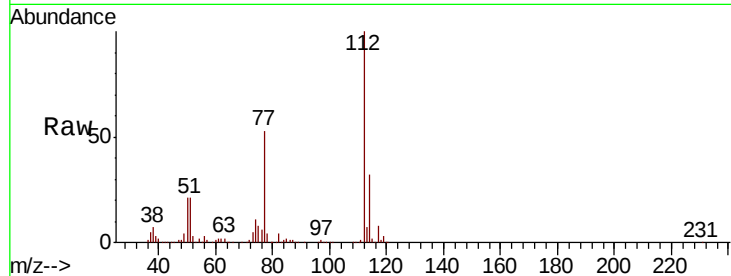
#65
Chlorobenzene
Concen: 48.997 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064491.D
Acq: 10 Dec 2019 18:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.4	26.5	39.7

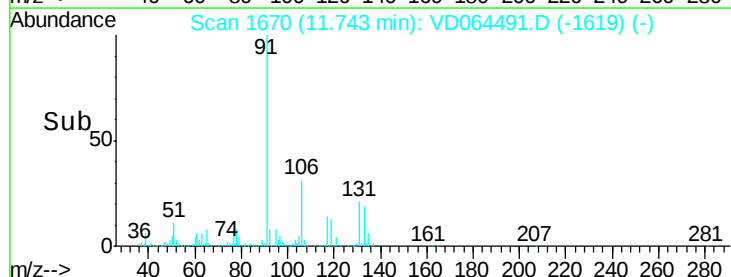
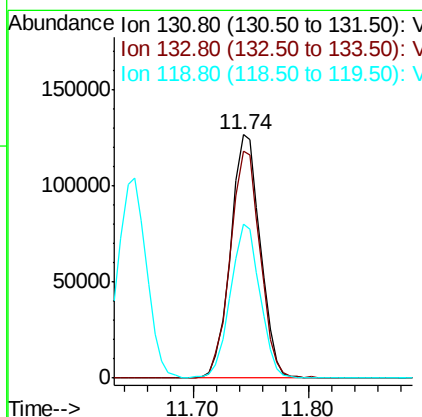
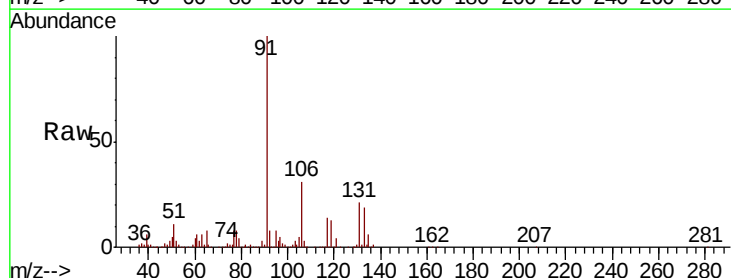
Manual Integrations
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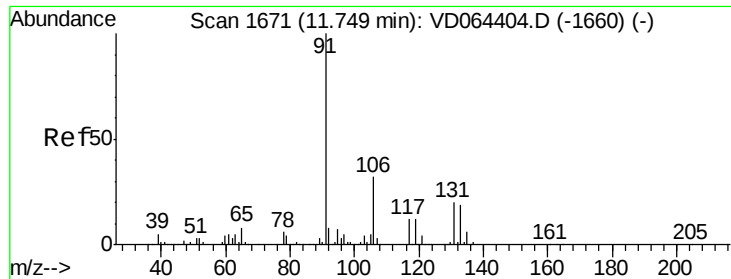
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.798 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD064491.D
Acq: 10 Dec 2019 18:44

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.9	48.3	144.9
119	62.9	31.9	95.9





#67

Ethyl Benzene

Concen: 49.188 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064491.D

Acq: 10 Dec 2019 18:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1030207

Ion Ratio Lower Upper

91 100

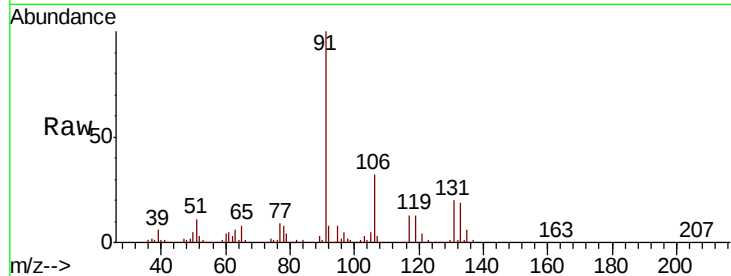
106 31.8 25.8 38.8

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): V

800000

600000

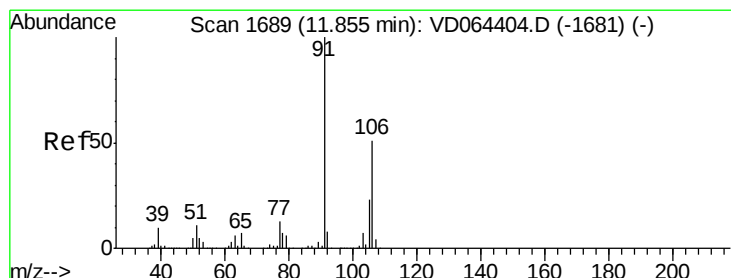
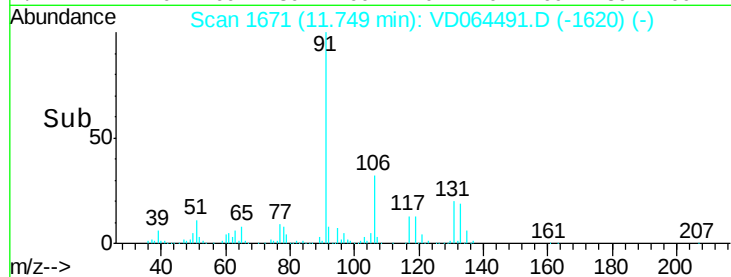
400000

200000

0

11.65 11.70 11.75 11.80

Time-->



#68

m/p-Xylenes

Concen: 100.154 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD064491.D

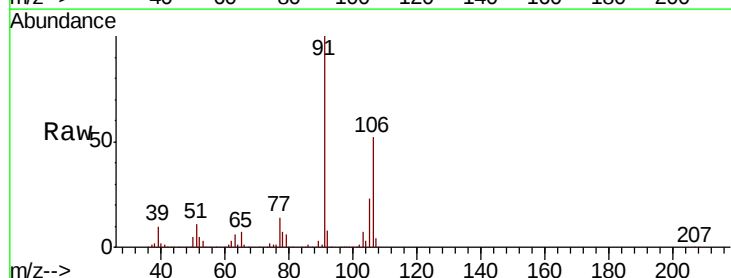
Acq: 10 Dec 2019 18:44

Tgt Ion: 106 Resp: 799810

Ion Ratio Lower Upper

106 100

91 196.7 157.4 236.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VDC

800000

600000

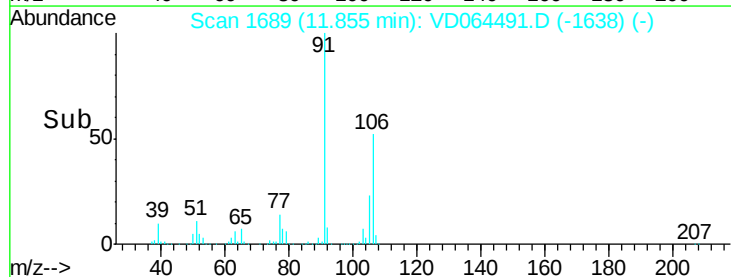
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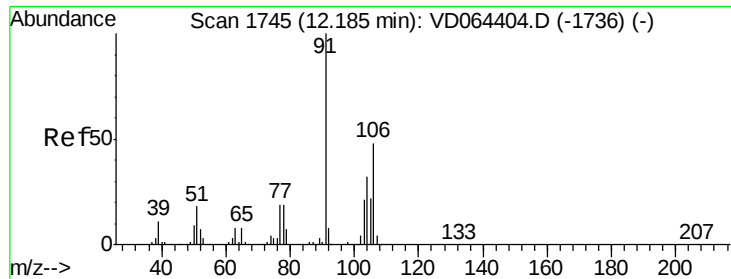
200000

0

11.80 11.86 11.90

Time-->





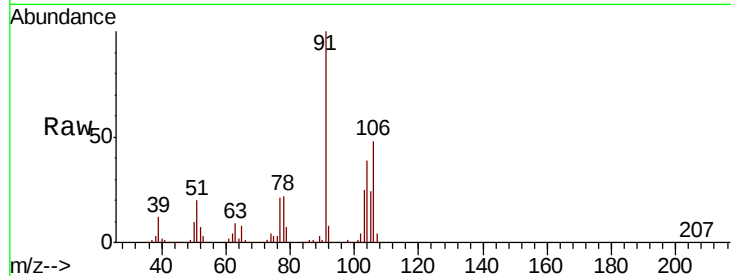
#69
o-Xylene
Concen: 50.411 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064491.D
Acq: 10 Dec 2019 18:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

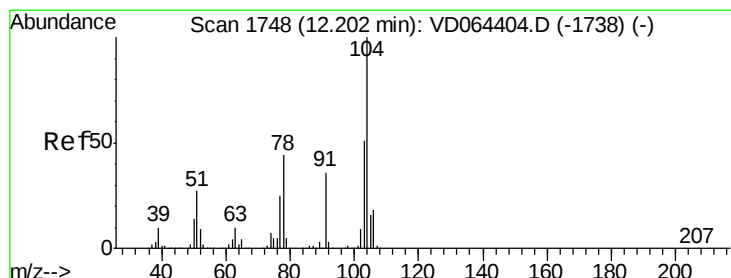
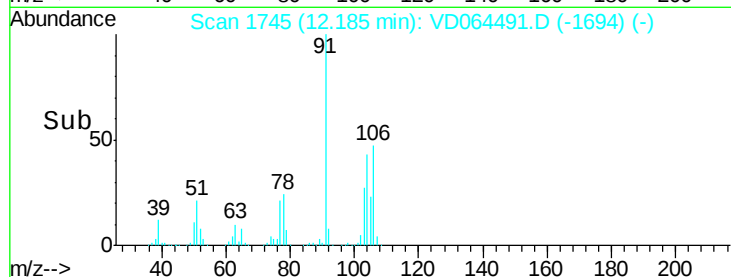
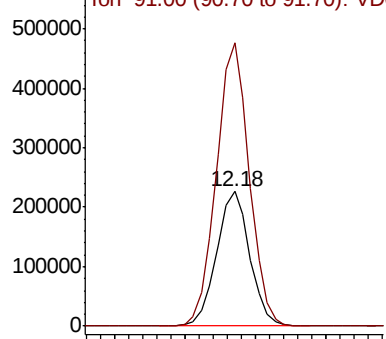
Tot Ion	Ratio	Lower	Upper
106	100		
91	209.0	103.8	311.4

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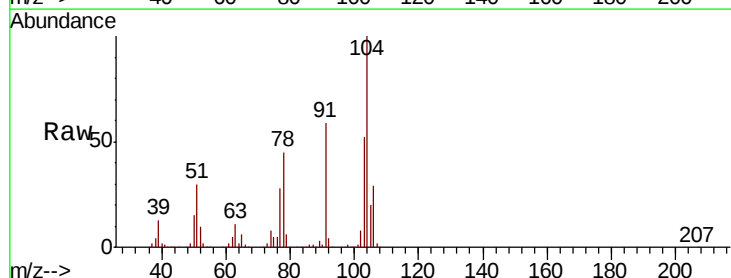


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

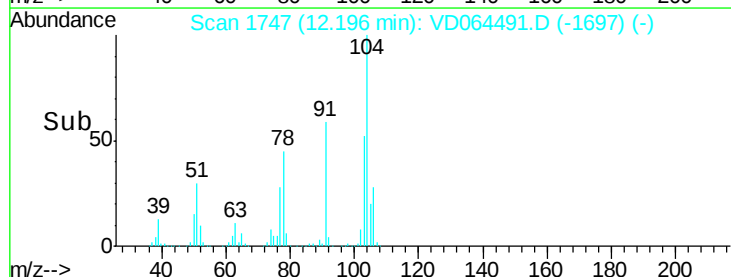
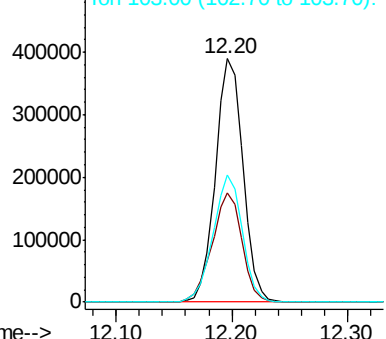


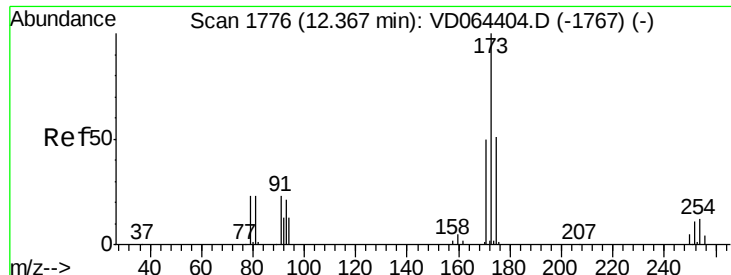
#70
Styrene
Concen: 50.411 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD064491.D
Acq: 10 Dec 2019 18:44

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.6	38.8	58.2
103	55.2	44.2	66.4



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





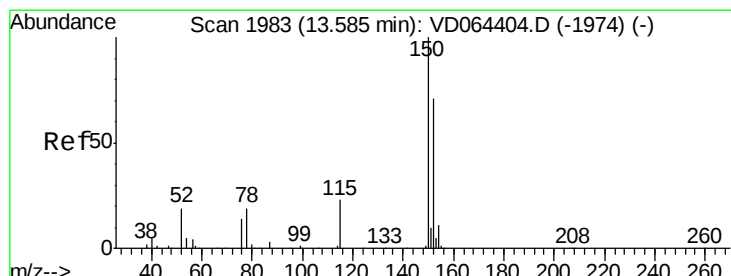
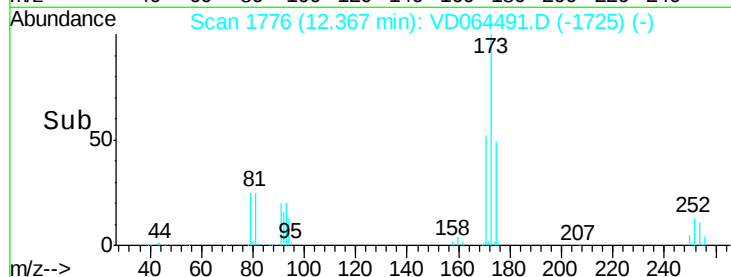
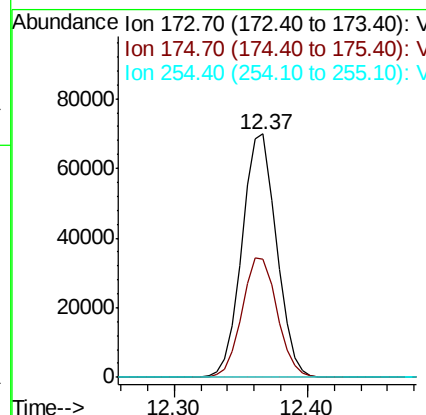
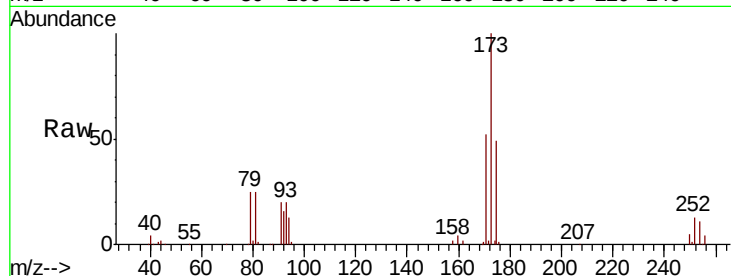
#71
Bromoform
Concen: 47.871 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD064491.D
Acq: 10 Dec 2019 18:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.1	25.3	75.8
254	0.3	0.0	0.0

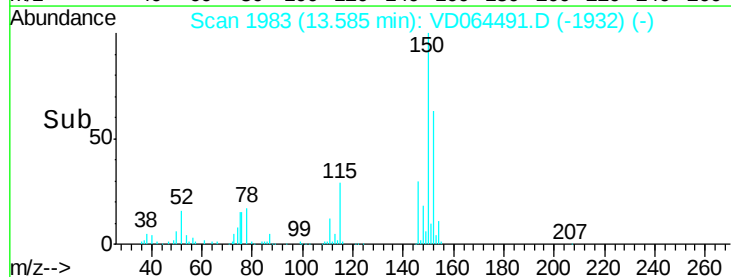
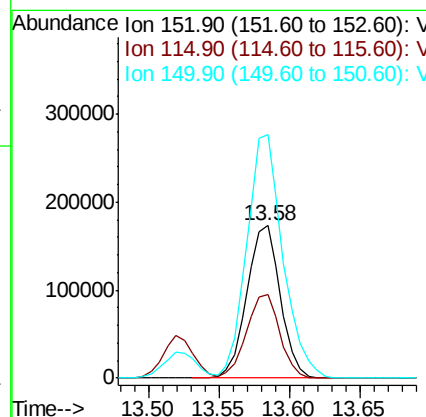
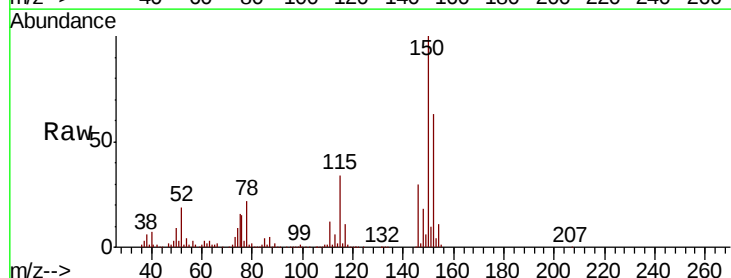
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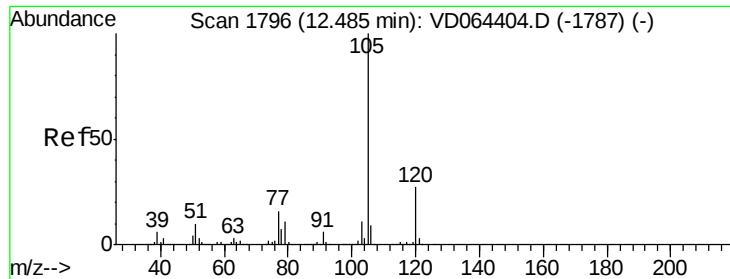
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD064491.D
Acq: 10 Dec 2019 18:44

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.4	26.7	80.1
150	172.0	0.0	347.2





#73

Isopropylbenzene

Concen: 47.700 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD064491.D

Acq: 10 Dec 2019 18:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 986514

Ion Ratio Lower Upper

105 100

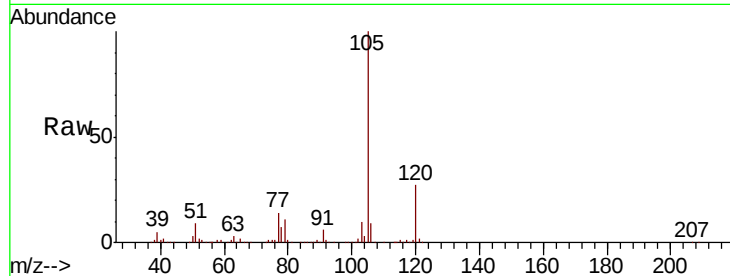
120 27.0 13.4 40.2

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

600000

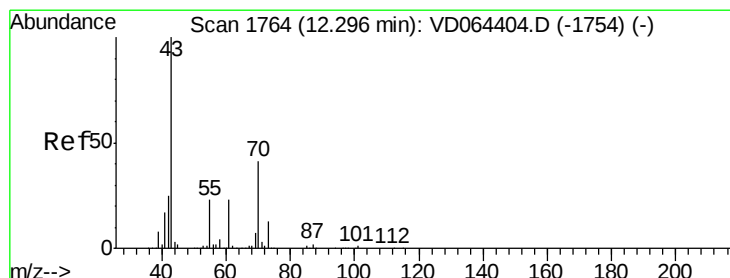
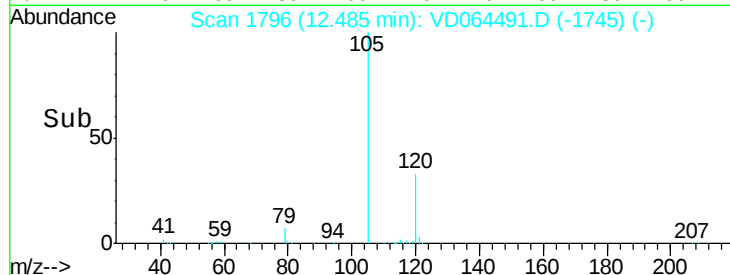
400000

200000

0

Time-->

12.40 12.50 12.60



#74

N-ethyl acetate

Concen: 46.954 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD064491.D

Acq: 10 Dec 2019 18:44

Tgt Ion: 43 Resp: 220401

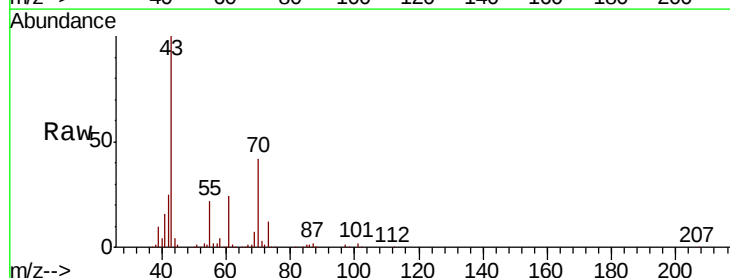
Ion Ratio Lower Upper

43 100

70 41.8 33.4 50.2

55 23.6 18.9 28.3

61 23.5 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

200000

150000

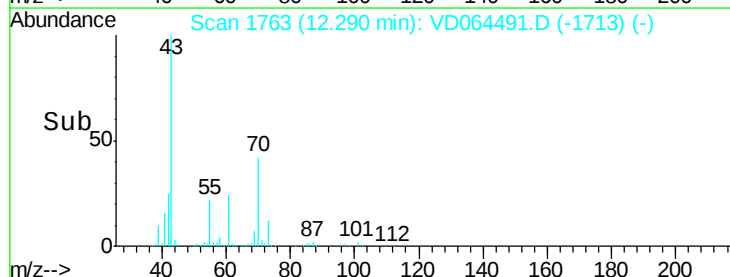
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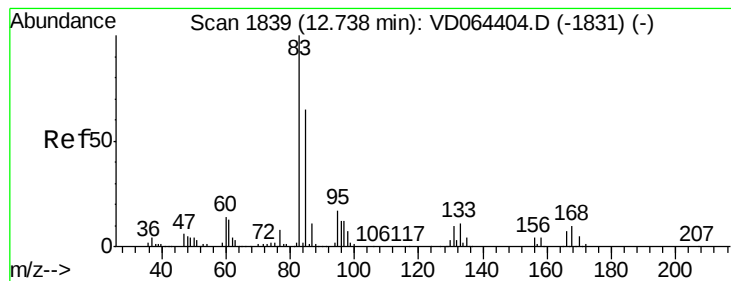
50000

0

Time-->

12.20 12.30 12.40





#75

1,1,2,2-Tetrachloroethane

Concen: 45.676 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064491.D

Acq: 10 Dec 2019 18:44

Instrument :

MSVOA_D

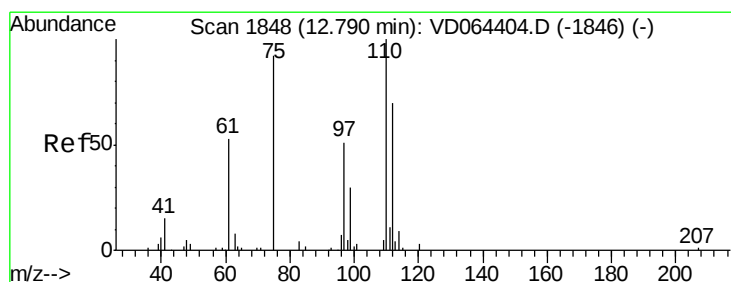
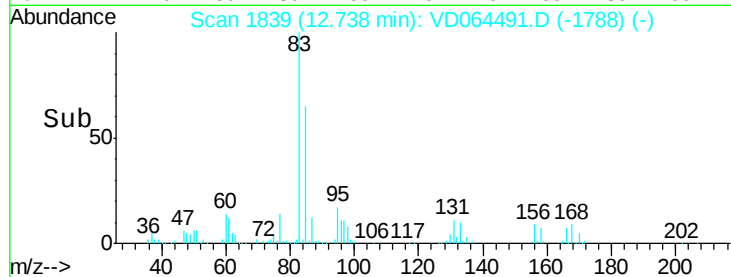
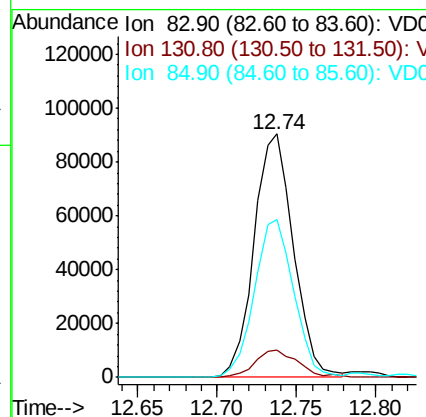
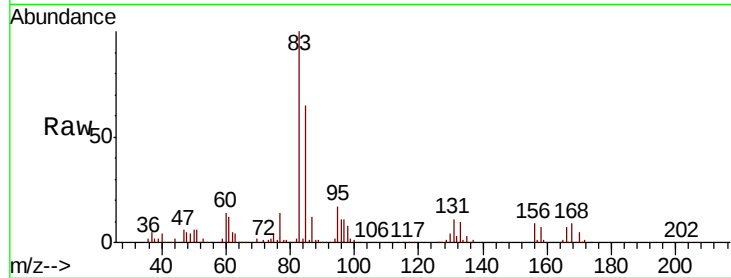
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	156215
Ion Ratio	Lower	Upper	
83	100		
131	12.3	5.7	17.0
85	64.7	31.3	93.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 40.201 ug/l m

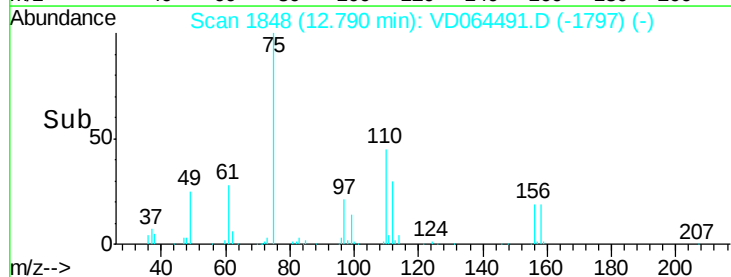
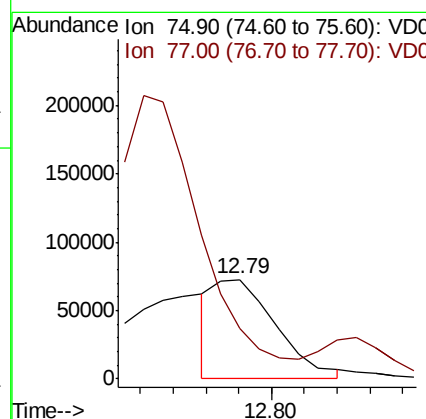
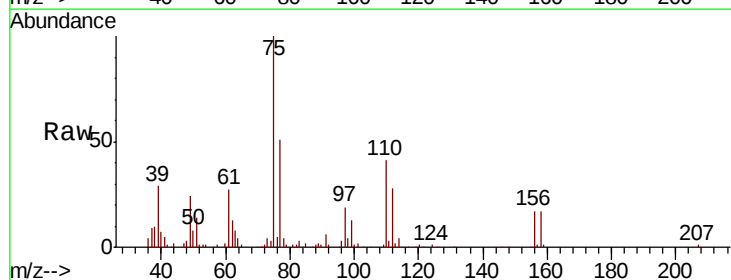
RT: 12.79 min Scan# 1848

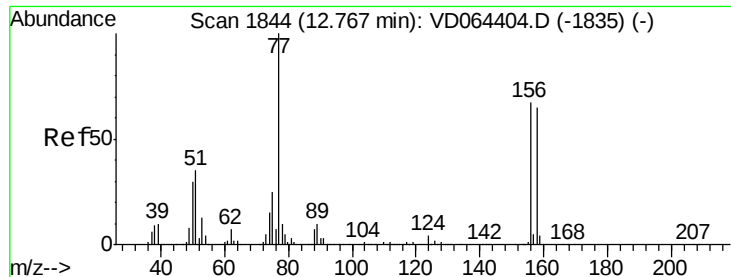
Delta R.T. 0.00 min

Lab File: VD064491.D

Acq: 10 Dec 2019 18:44

Tgt Ion:	75	Resp:	95068
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 48.366 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD064491.D

Acq: 10 Dec 2019 18:44

Instrument :

MSVOA_D

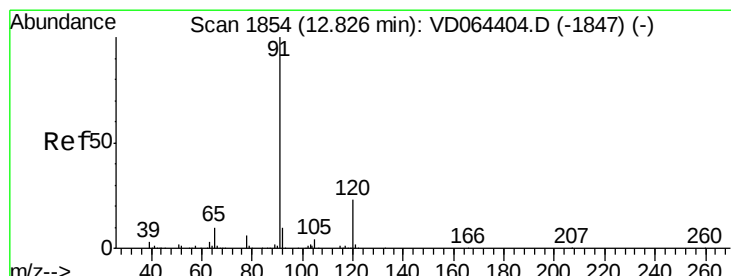
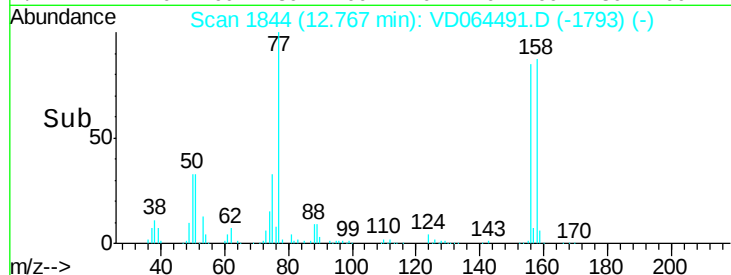
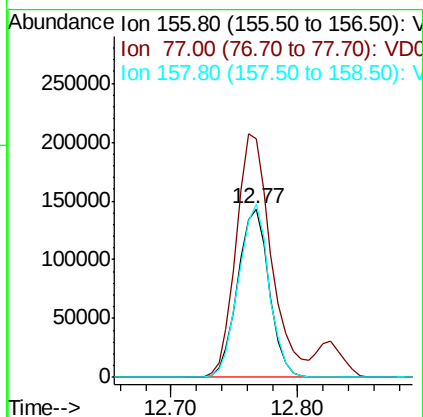
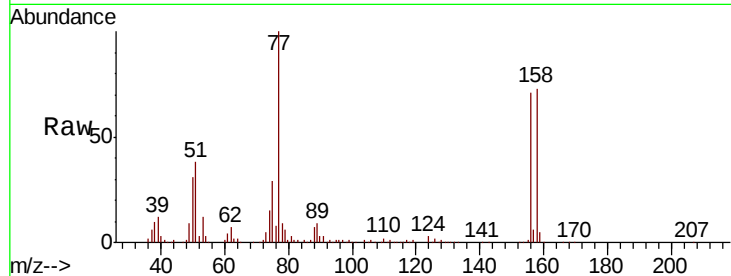
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	247017
Ion Ratio	Lower	Upper	
156	100		
77	161.2	80.0	240.2
158	99.9	48.9	146.6

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#78

n-propylbenzene

Concen: 47.739 ug/l

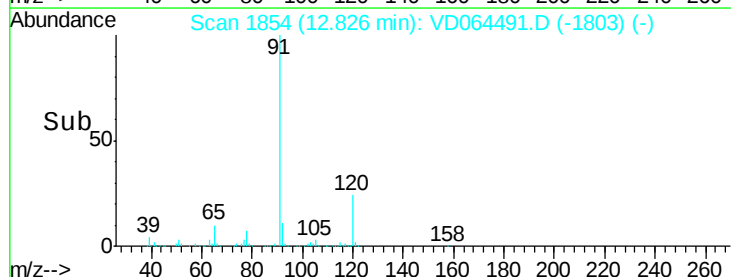
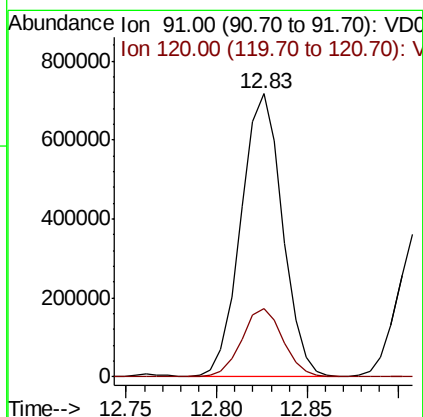
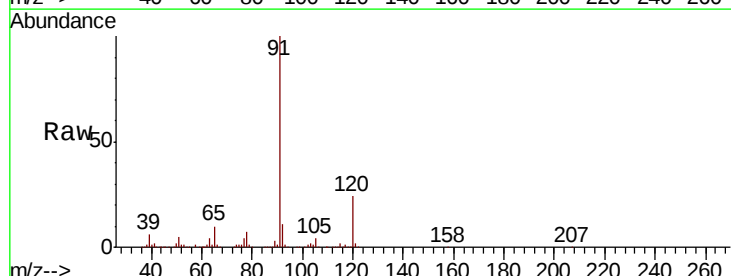
RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD064491.D

Acq: 10 Dec 2019 18:44

Tgt Ion:	91	Resp:	1139186
Ion Ratio	Lower	Upper	
91	100		
120	24.0	11.9	35.9





#79

2-Chlorotoluene

Concen: 47.915 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD064491.D

Acq: 10 Dec 2019 18:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 629142

Ion Ratio Lower Upper

91 100

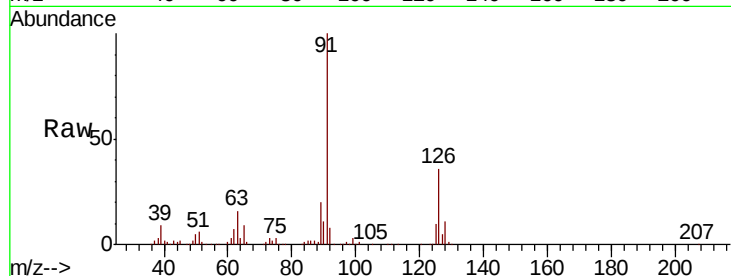
126 36.4 18.0 54.0

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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) (-)

600000

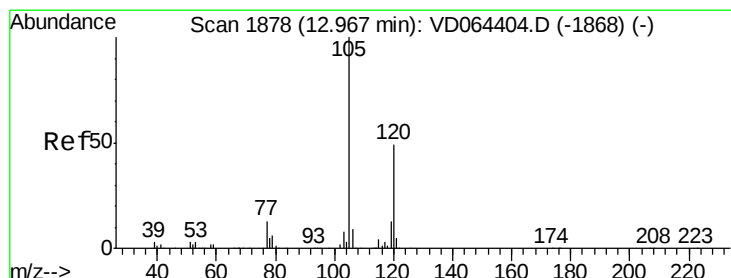
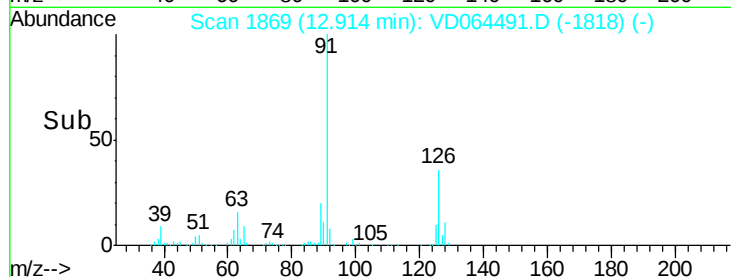
400000

200000

0

12.85 12.90 12.95

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 48.071 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064491.D

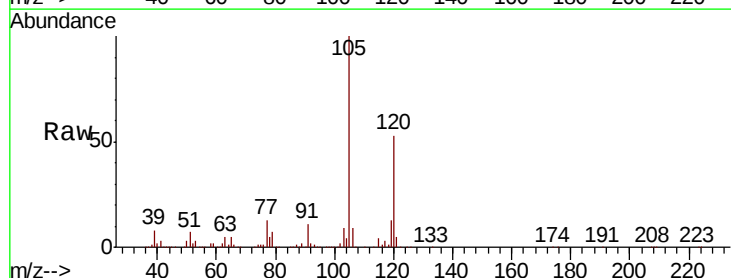
Acq: 10 Dec 2019 18:44

Tgt Ion:105 Resp: 812446

Ion Ratio Lower Upper

105 100

120 51.7 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) (-)

500000

400000

300000

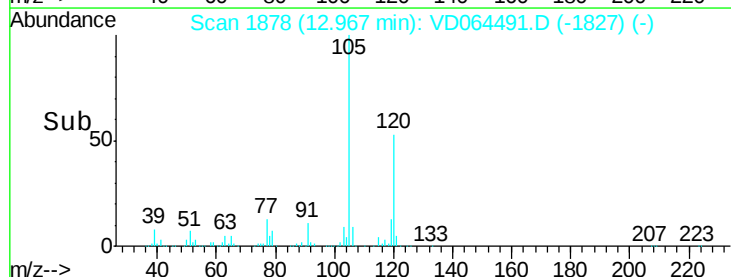
200000

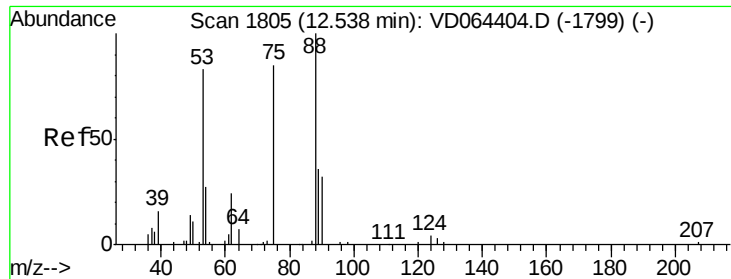
100000

0

12.90 12.95 13.00

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 46.787 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD064491.D

Acq: 10 Dec 2019 18:44

Instrument :

MSVOA_D

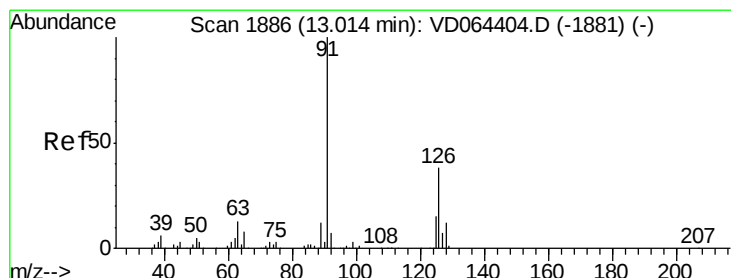
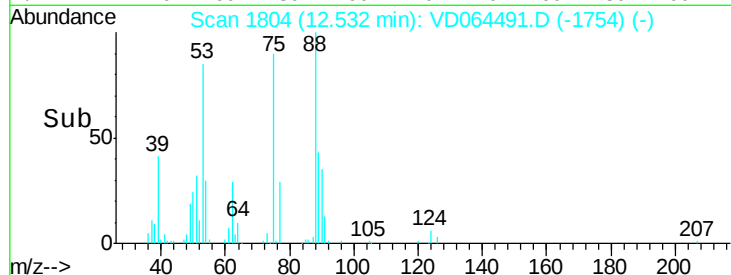
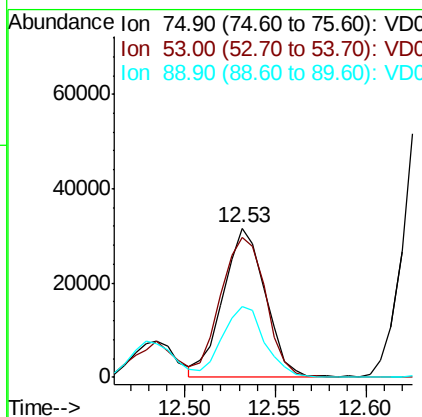
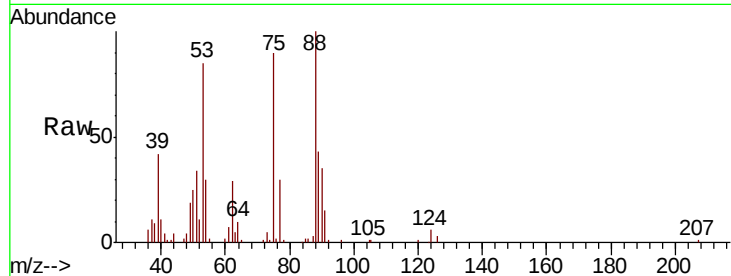
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	50741
Ion Ratio	Lower	Upper	
75	100		
53	101.5	81.0	121.6
89	47.6	38.5	57.7

Manual Integrations
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#82

4-Chlorotoluene

Concen: 48.726 ug/l

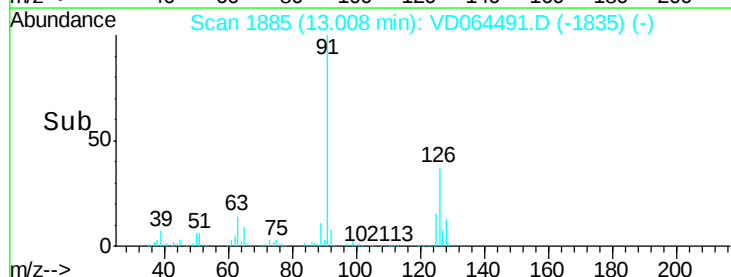
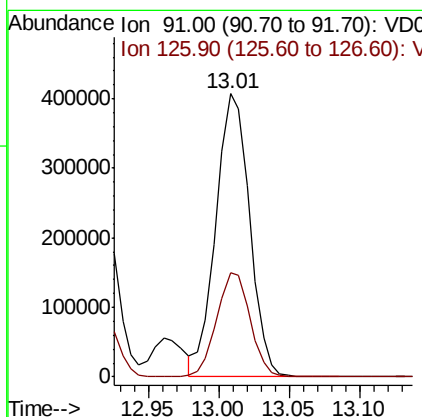
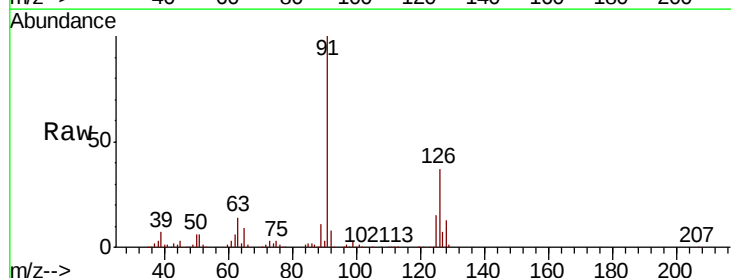
RT: 13.01 min Scan# 1885

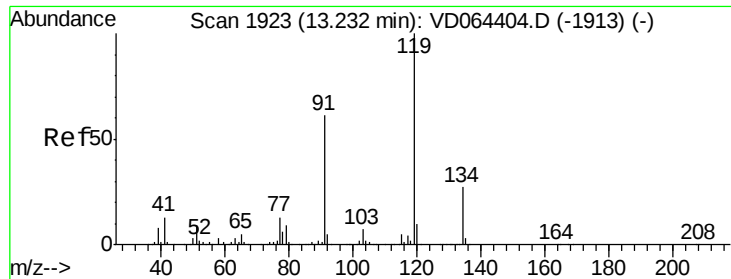
Delta R.T. -0.01 min

Lab File: VD064491.D

Acq: 10 Dec 2019 18:44

Tgt Ion:	91	Resp:	677392
Ion Ratio	Lower	Upper	
91	100		
126	36.6	18.2	54.6





#83

tert-Butylbenzene

Concen: 48.930 ug/l

RT: 13.23 min Scan# 1922

Delta R.T. -0.01 min

Lab File: VD064491.D

Acq: 10 Dec 2019 18:44

Instrument :

MSVOA_D

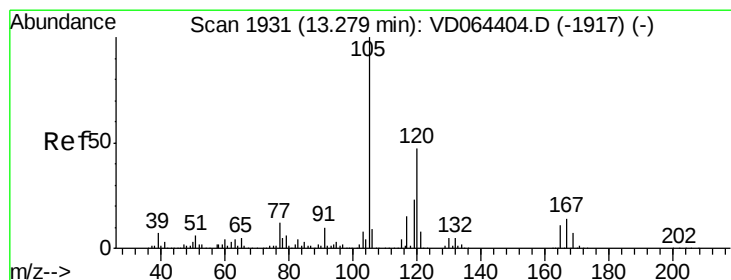
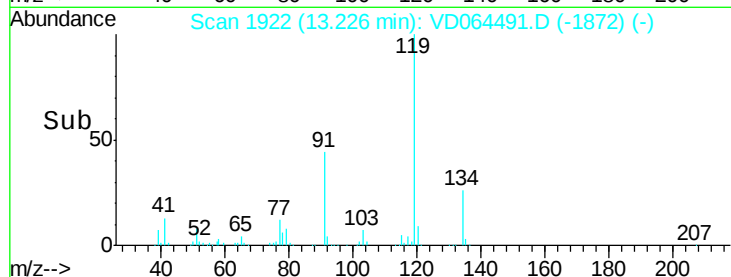
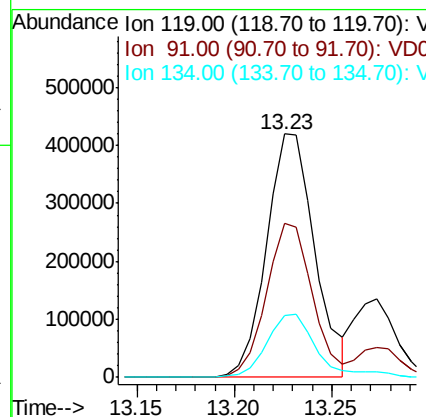
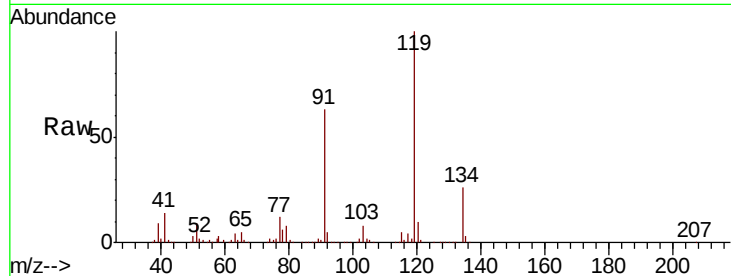
ClientSampleId :

VSTDCCC050EC

Tot Ion:	119	Resp:	718942
Ion Ratio	Lower	Upper	
119	100		
91	60.3	31.2	93.6
134	27.2	13.9	41.7

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 47.956 ug/l

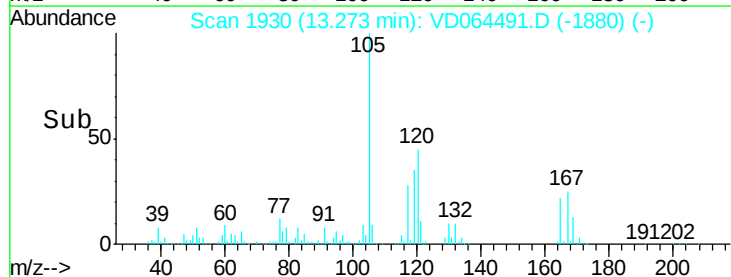
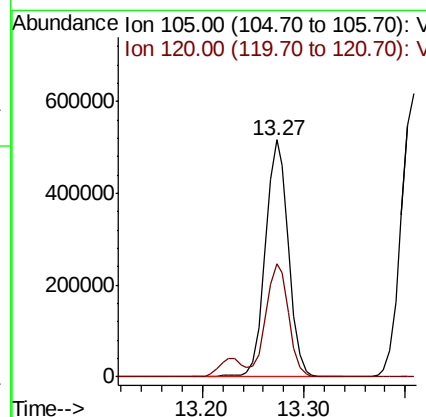
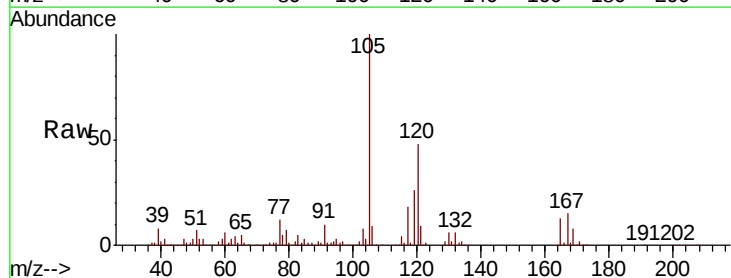
RT: 13.27 min Scan# 1930

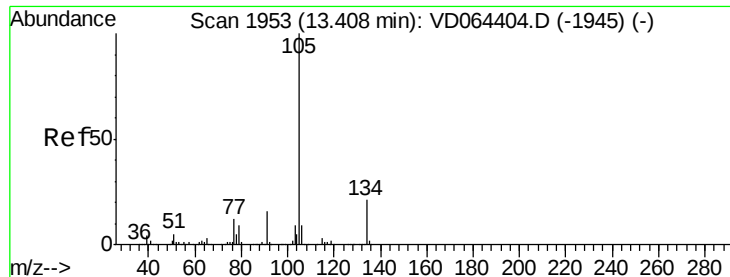
Delta R.T. -0.01 min

Lab File: VD064491.D

Acq: 10 Dec 2019 18:44

Tgt Ion:	105	Resp:	814979
Ion Ratio	Lower	Upper	
105	100		
120	47.4	23.6	70.8





#85

sec-Butylbenzene

Concen: 47.603 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064491.D

Acq: 10 Dec 2019 18:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 959972

Ion Ratio Lower Upper

105 100

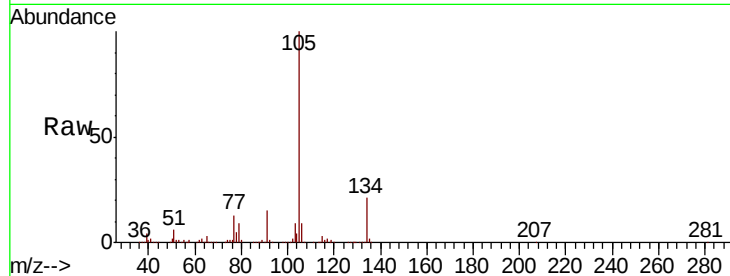
134 21.5 10.5 31.5

Manual Integrations

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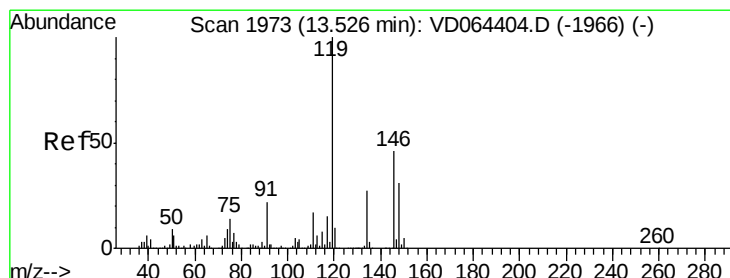
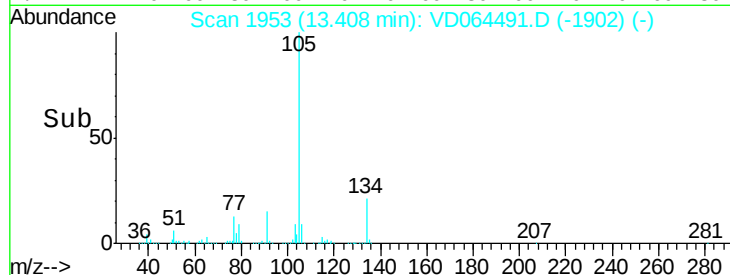
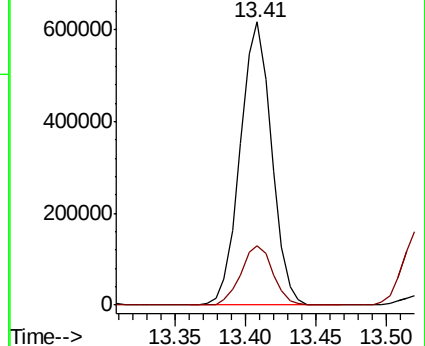
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 48.015 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD064491.D

Acq: 10 Dec 2019 18:44

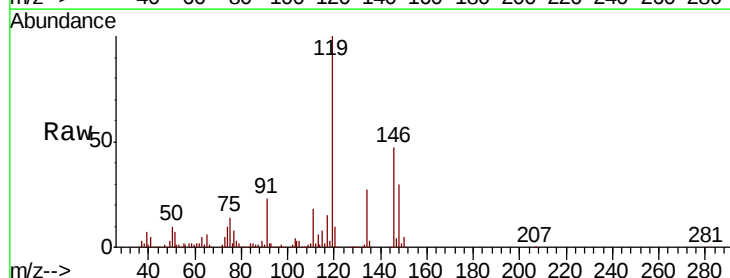
Tgt Ion:119 Resp: 914149

Ion Ratio Lower Upper

119 100

134 27.1 13.5 40.4

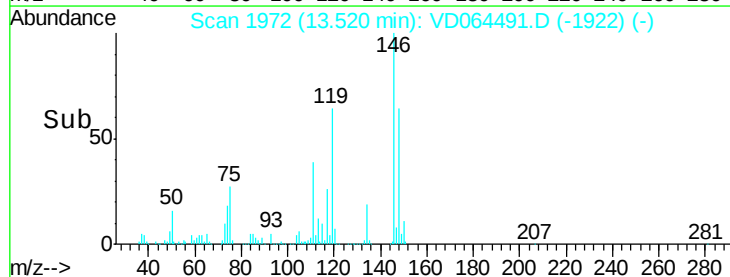
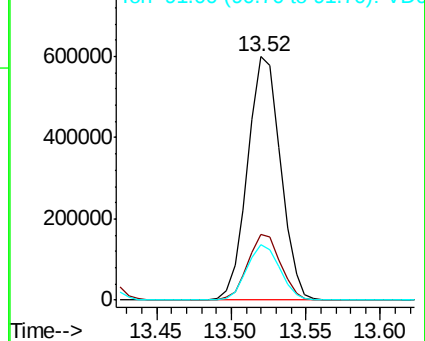
91 22.6 11.2 33.5

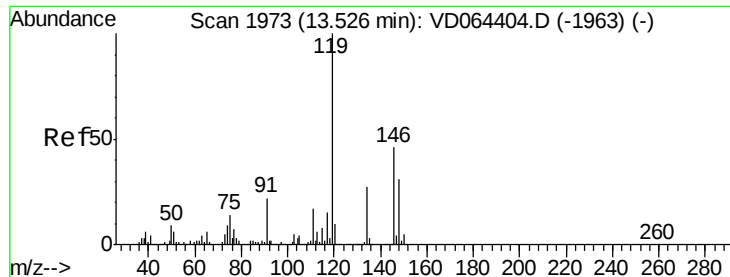


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





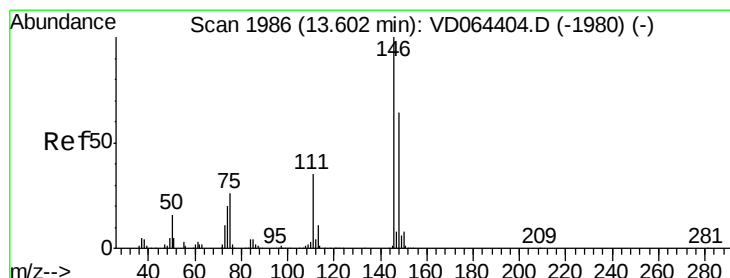
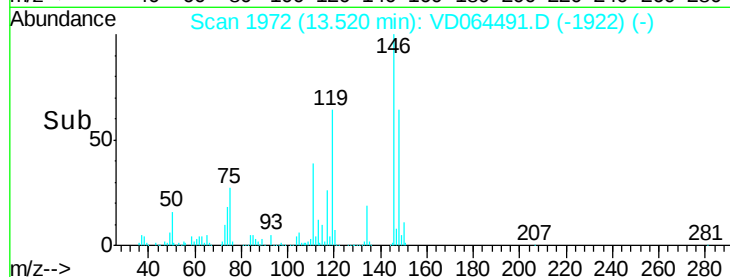
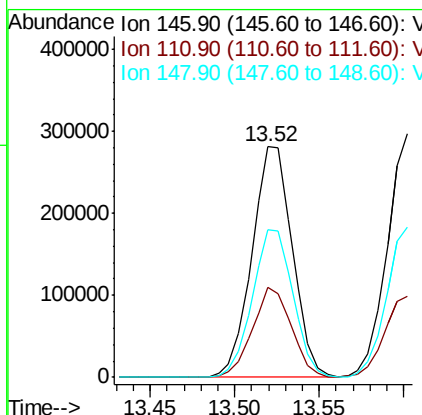
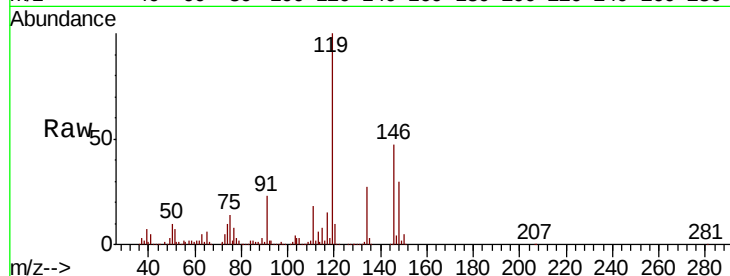
#87
 1,3-Dichlorobenzene
 Concen: 48.402 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD064491.D
 Acq: 10 Dec 2019 18:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.8	56.4
148	64.2	32.6	97.8

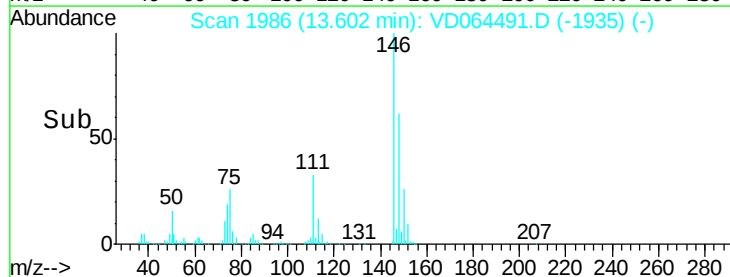
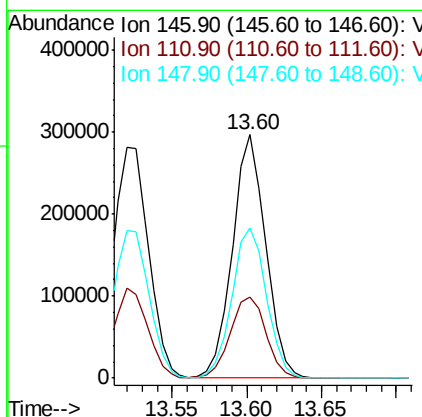
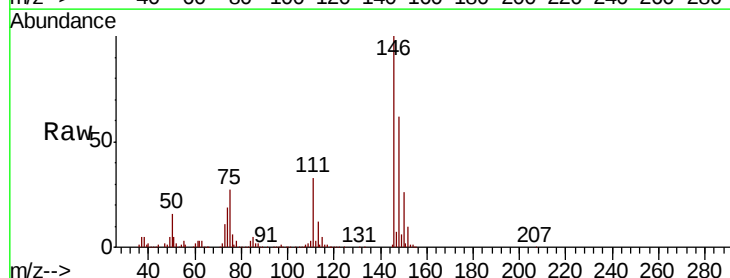
Manual Integrations
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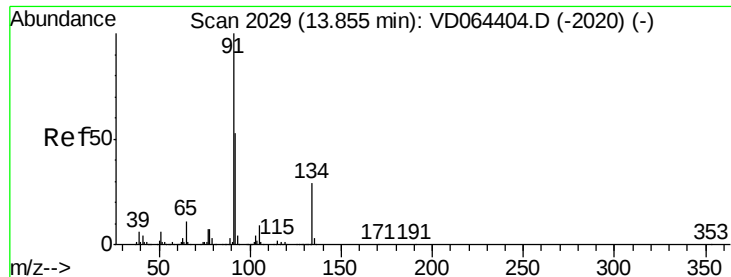
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#88
 1,4-Dichlorobenzene
 Concen: 48.185 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD064491.D
 Acq: 10 Dec 2019 18:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.0	18.2	54.6
148	64.0	31.8	95.4





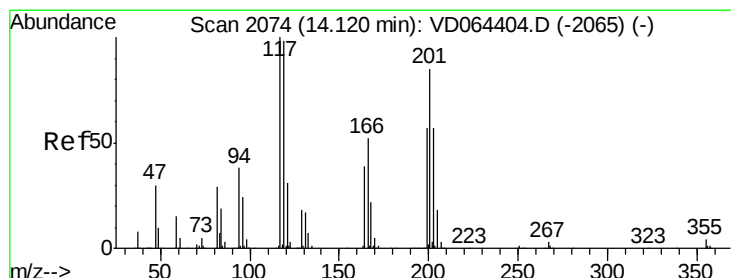
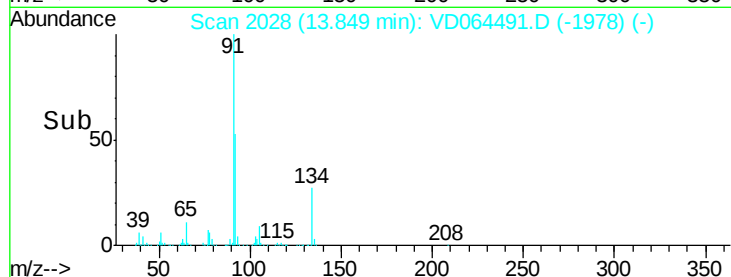
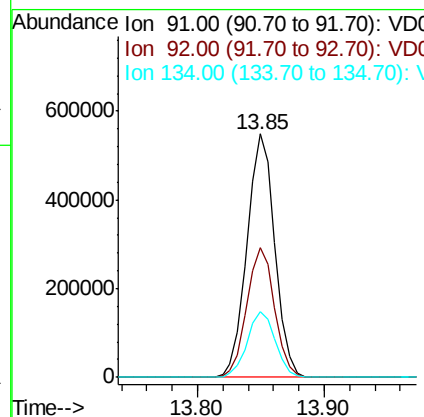
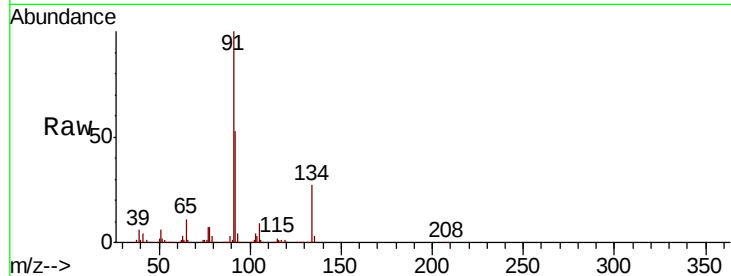
#89
n-Butylbenzene
Concen: 48.226 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.01 min
Lab File: VD064491.D
Acq: 10 Dec 2019 18:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.5	79.4
134	27.3	13.9	41.7

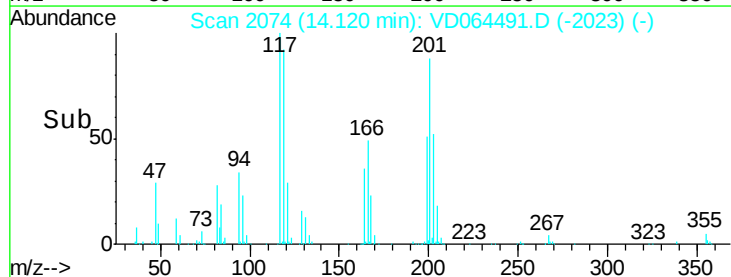
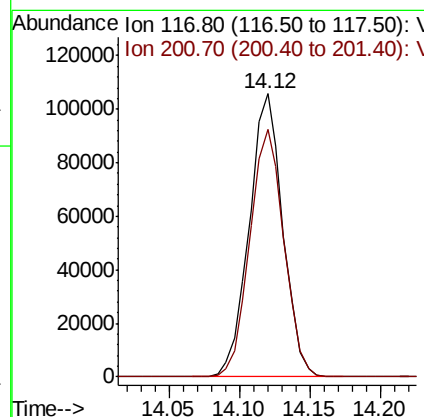
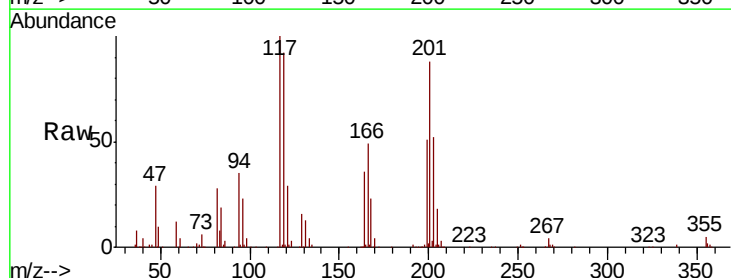
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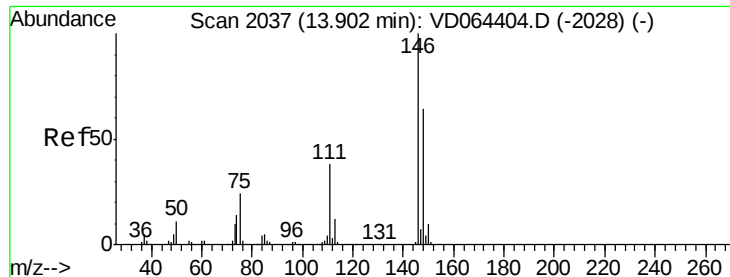
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#90
Hexachloroethane
Concen: 49.603 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD064491.D
Acq: 10 Dec 2019 18:44

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.7	44.3	132.8





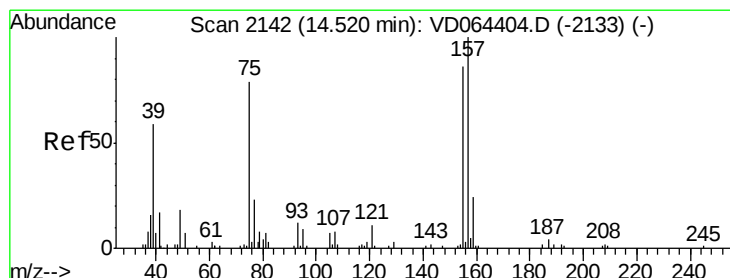
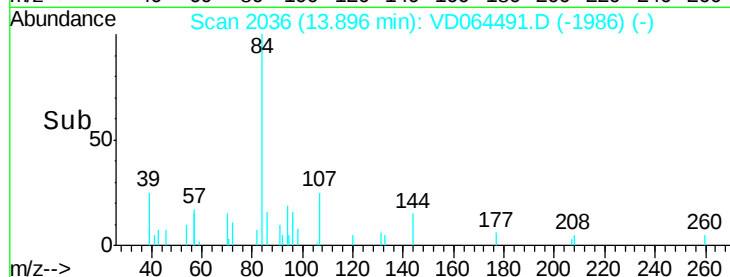
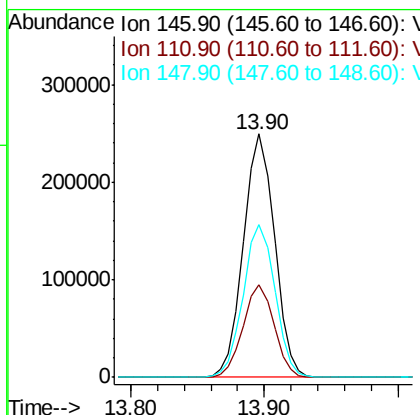
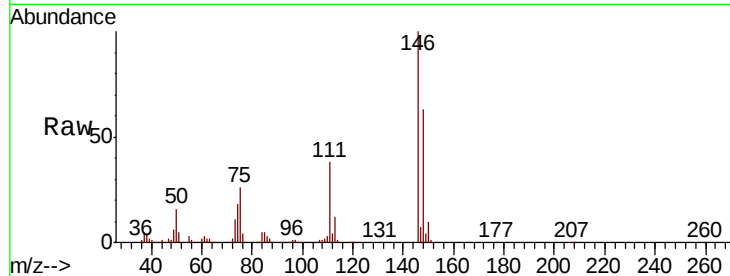
#91
 1,2-Dichlorobenzene
 Concen: 48.585 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD064491.D
 Acq: 10 Dec 2019 18:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.1	57.3
148	64.1	32.0	96.0

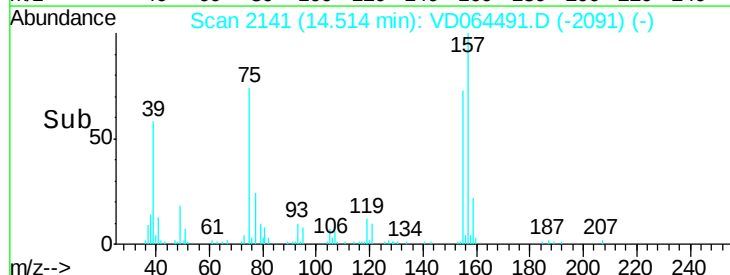
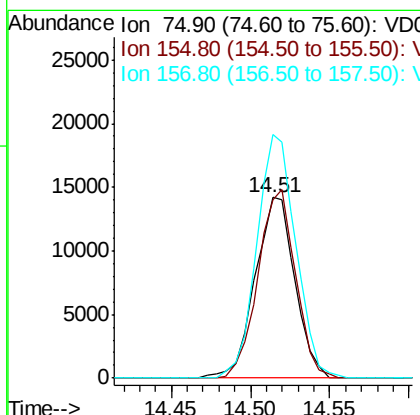
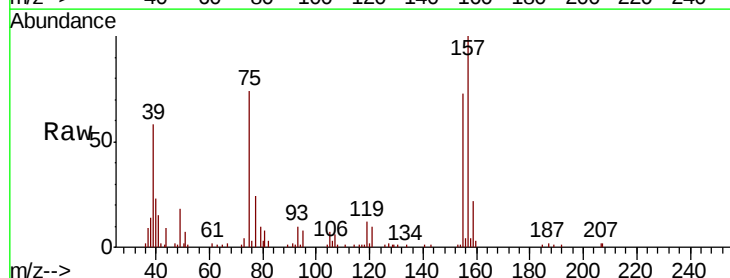
Manual Integrations
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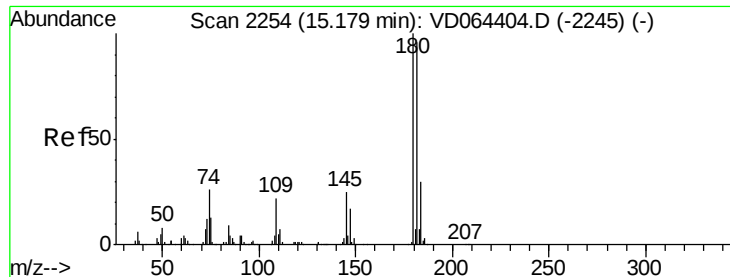
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.403 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD064491.D
 Acq: 10 Dec 2019 18:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.6	51.9	155.7
157	131.8	63.2	189.8





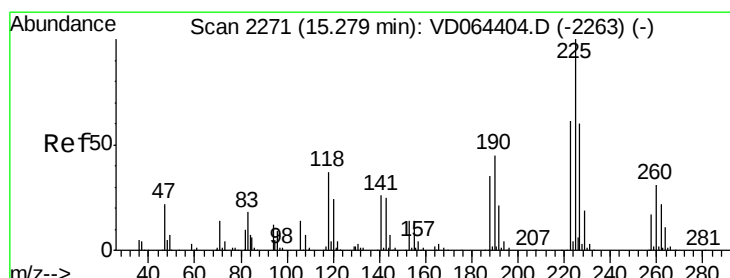
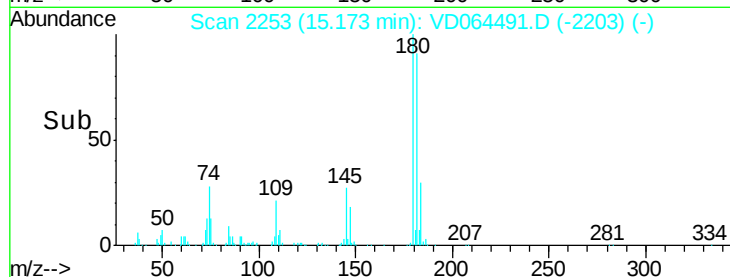
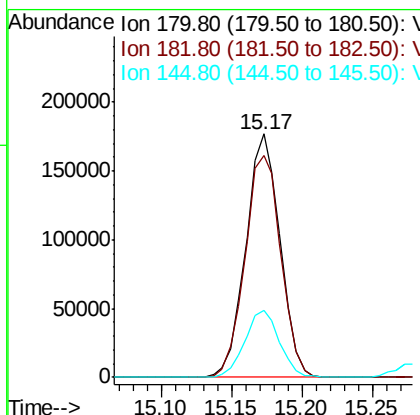
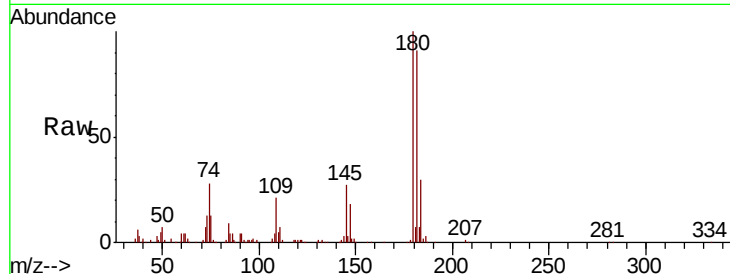
#93
 1,2,4-Trichlorobenzene
 Concen: 47.430 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD064491.D
 Acq: 10 Dec 2019 18:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.7	47.4	142.3	
145	27.7	14.0	41.9	

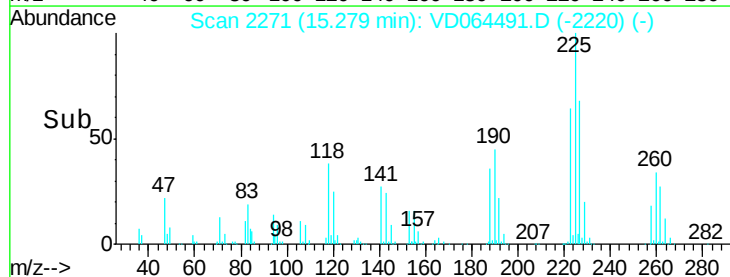
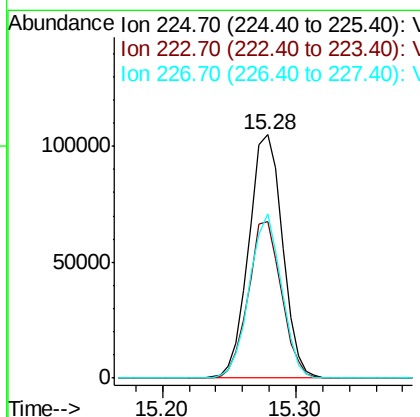
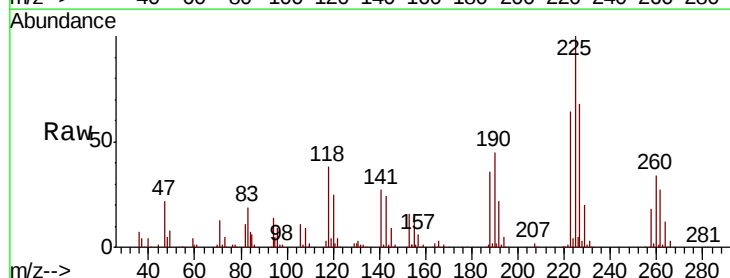
Manual Integrations
 APPROVED

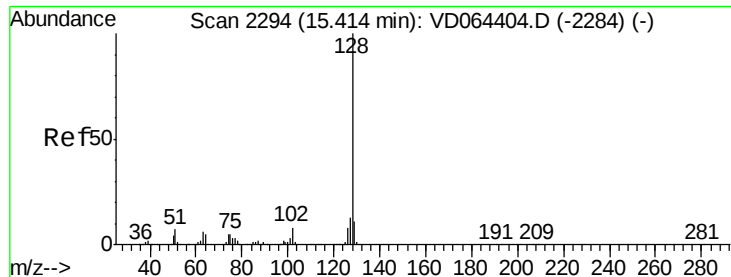
apatel
 12/11/2019 2:15:26 PM



#94
 Hexachlorobutadiene
 Concen: 46.794 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD064491.D
 Acq: 10 Dec 2019 18:44

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.0	31.1	93.3	
227	64.1	31.8	95.4	





#95

Naphthalene

Concen: 46.009 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. -0.00 min

Lab File: VD064491.D

Acq: 10 Dec 2019 18:44

Instrument :

MSVOA_D

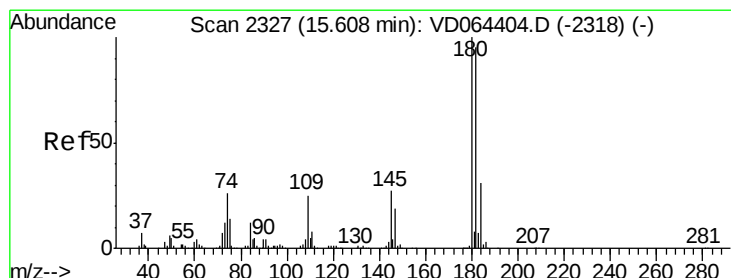
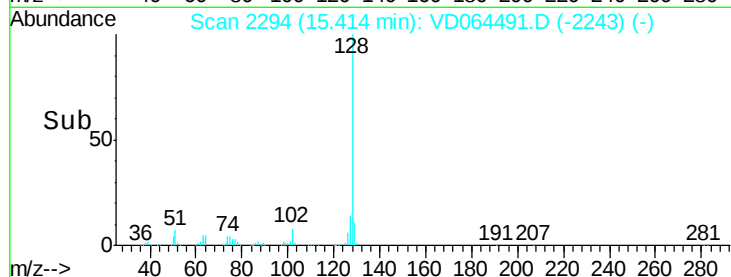
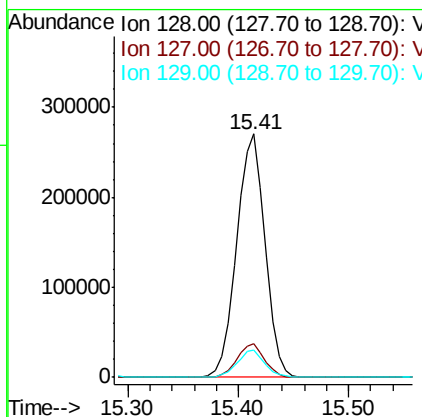
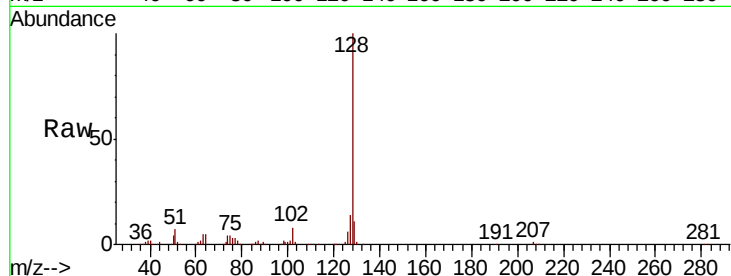
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	487151
Ion Ratio	Lower	Upper	
128	100		
127	13.5	10.5	15.7
129	10.8	8.8	13.2

Manual Integrations
APPROVED

apatel
12/11/2019 2:15:26 PM



#96

1,2,3-Trichlorobenzene

Concen: 48.111 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. -0.01 min

Lab File: VD064491.D

Acq: 10 Dec 2019 18:44

Tgt Ion:	180	Resp:	260551
Ion Ratio	Lower	Upper	
180	100		
182	95.4	47.6	142.9
145	29.8	14.6	43.8

