

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120619\
 Data File : VD064449.D
 Acq On : 06 Dec 2019 10:21
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
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Quant Time: Dec 07 00:16:41 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	530792	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	770945	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	679839	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	332079	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	226296	47.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.20%	
35) Dibromofluoromethane	7.91	113	232586	47.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.76%	
50) Toluene-d8	10.34	98	879592	48.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.14%	
62) 4-Bromofluorobenzene	12.64	95	275728	46.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	237660	49.415	ug/l	100
3) Chloromethane	2.21	50	290971	47.967	ug/l	98
4) Vinyl Chloride	2.36	62	349936	49.963	ug/l	99
5) Bromomethane	2.77	94	231436	44.683	ug/l	95
6) Chloroethane	2.93	64	230094	49.150	ug/l	97
7) Trichlorofluoromethane	3.27	101	599271	51.468	ug/l	99
8) Diethyl Ether	3.71	74	118109	48.815	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	253372	50.752	ug/l	100
10) Methyl Iodide	4.30	142	291105	55.216	ug/l	99
11) Tert butyl alcohol	5.25	59	63253	206.826	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	243439	50.883	ug/l	96
13) Acrolein	3.93	56	91379	219.059	ug/l	96
14) Allyl chloride	4.71	41	384526	51.500	ug/l	100
15) Acrylonitrile	5.43	53	248024	234.419	ug/l	98
16) Acetone	4.16	43	285641	294.208	ug/l	99
17) Carbon Disulfide	4.40	76	777895	51.337	ug/l	98
18) Methyl Acetate	4.73	43	134257	47.407	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	538341	49.054	ug/l	95
20) Methylene Chloride	4.97	84	254741	51.799	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	273963	50.624	ug/l	98
22) Diisopropyl ether	6.37	45	741535	50.308	ug/l	97
23) Vinyl Acetate	6.31	43	2171372	249.881	ug/l	100
24) 1,1-Dichloroethane	6.27	63	451300	50.912	ug/l	99
25) 2-Butanone	7.22	43	333635	242.992	ug/l	97
26) 2,2-Dichloropropane	7.21	77	418689	54.312	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	297984	50.505	ug/l	99
28) Bromochloromethane	7.54	49	151922	50.149	ug/l	99
29) Tetrahydrofuran	7.57	42	200117	229.084	ug/l	99
30) Chloroform	7.71	83	468351	51.017	ug/l	100
31) Cyclohexane	7.98	56	427951	55.832	ug/l	93
32) 1,1,1-Trichloroethane	7.90	97	439853	51.679	ug/l	99
36) 1,1-Dichloropropene	8.11	75	375562	51.503	ug/l	99
37) Ethyl Acetate	7.30	43	143926	46.515	ug/l	98
38) Carbon Tetrachloride	8.10	117	413124	53.679	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	469865	51.945	ug/l	99
40) Benzene	8.35	78	1038368	51.269	ug/l	99
41) Methacrylonitrile	7.53	41	88328	49.777	ug/l	95
42) 1,2-Dichloroethane	8.43	62	289507	49.016	ug/l	100
43) Isopropyl Acetate	8.46	43	291847	47.972	ug/l	99
44) Trichloroethene	9.11	130	305315	50.045	ug/l	96
45) 1,2-Dichloropropane	9.39	63	248340	51.271	ug/l	97
46) Dibromomethane	9.47	93	136102	49.785	ug/l	99
47) Bromodichloromethane	9.66	83	356249	50.716	ug/l	99
48) Methyl methacrylate	9.46	41	136312	48.965	ug/l	95
49) 1,4-Dioxane	9.46	88	29903	885.800	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	711152	236.249	ug/l	100
52) Toluene	10.40	92	666080	50.464	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	342402	51.147	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	410826	51.658	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	181549	48.499	ug/l	98
56) Ethyl methacrylate	10.66	69	232868	48.774	ug/l	99
57) 1,3-Dichloropropane	10.95	76	314811	49.404	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	417643	219.436	ug/l	99
59) 2-Hexanone	10.98	43	513078	245.641	ug/l	99
60) Dibromochloromethane	11.14	129	247789	48.822	ug/l	98
61) 1,2-Dibromoethane	11.25	107	177913	47.602	ug/l	99
64) Tetrachloroethene	10.87	164	266442	51.394	ug/l	97
65) Chlorobenzene	11.67	112	707545	49.900	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	272221	51.862	ug/l	98
67) Ethyl Benzene	11.75	91	1280133	50.742	ug/l	99
68) m/p-Xylenes	11.86	106	987093	102.617	ug/l	99
69) o-Xylene	12.18	106	447522	50.375	ug/l	97
70) Styrene	12.20	104	785282	50.867	ug/l	99
71) Bromoform	12.37	173	148462	47.275	ug/l #	99
73) Isopropylbenzene	12.48	105	1248468	52.273	ug/l	100
74) N-amyl acetate	12.29	43	262093	48.351	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	183856	46.551	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	136485m	49.978	ug/l	
77) Bromobenzene	12.77	156	302444	51.280	ug/l	97
78) n-propylbenzene	12.83	91	1440462	52.272	ug/l	100
79) 2-Chlorotoluene	12.91	91	765330	50.473	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	1009277	51.712	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	61810	49.353	ug/l	99
82) 4-Chlorotoluene	13.01	91	812842	50.630	ug/l	100
83) tert-Butylbenzene	13.23	119	892540	52.601	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	1012324	51.582	ug/l	99
85) sec-Butylbenzene	13.41	105	1206952	51.827	ug/l	99
86) p-Isopropyltoluene	13.52	119	1145677	52.109	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	565457	50.513	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	553493	50.081	ug/l	99
89) n-Butylbenzene	13.85	91	1061076	53.144	ug/l	99
90) Hexachloroethane	14.12	117	219128	53.287	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	479973	50.171	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	30043	50.995	ug/l	97

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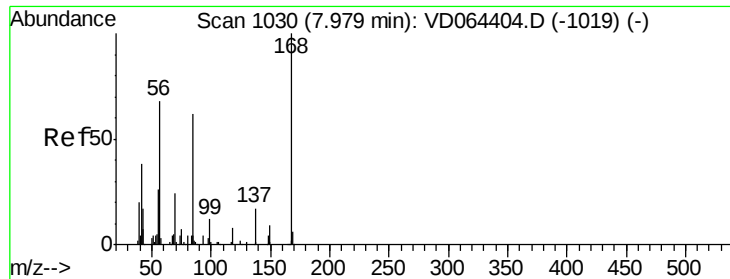
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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	365546	49.893	ug/l	100
94) Hexachlorobutadiene	15.28	225	233346	51.591	ug/l	99
95) Naphthalene	15.41	128	575490	47.066	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	309317	49.458	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD064449.D

Acq: 06 Dec 2019 10:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 530792

Ion Ratio Lower Upper

168 100

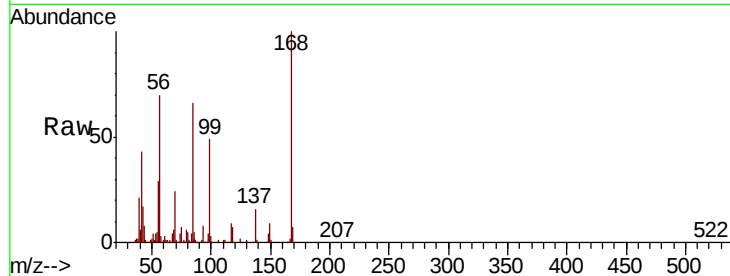
99 48.7 40.7 61.1

Manual Integrations

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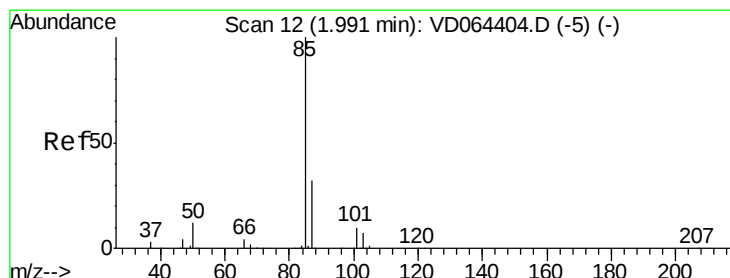
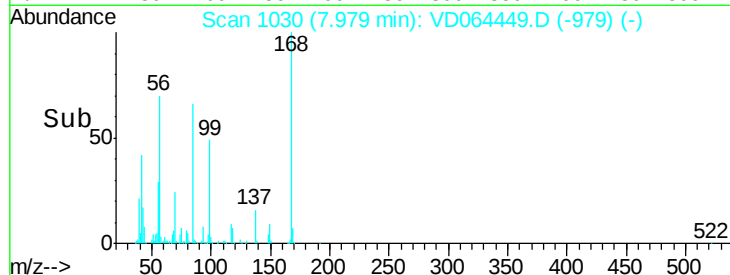
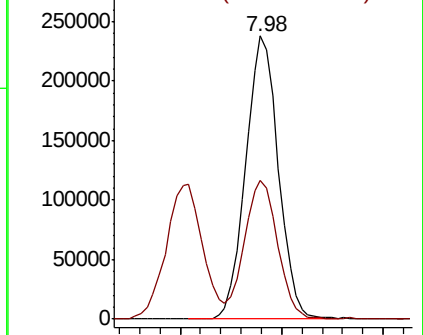
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 49.415 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064449.D

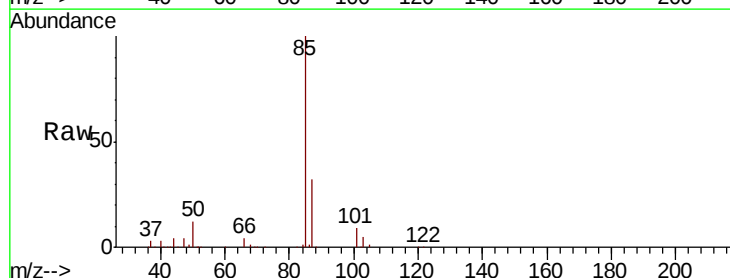
Acq: 06 Dec 2019 10:21

Tgt Ion: 85 Resp: 237660

Ion Ratio Lower Upper

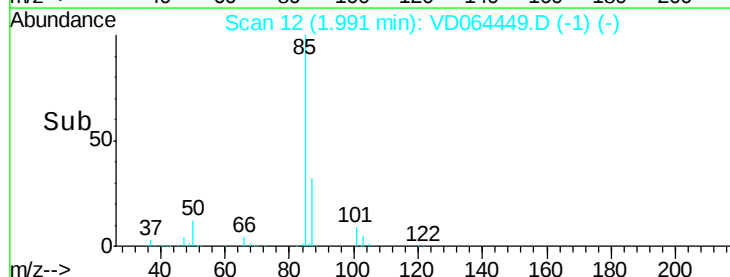
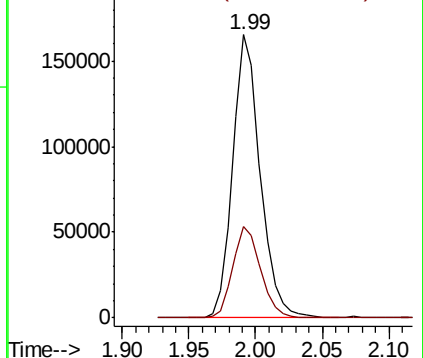
85 100

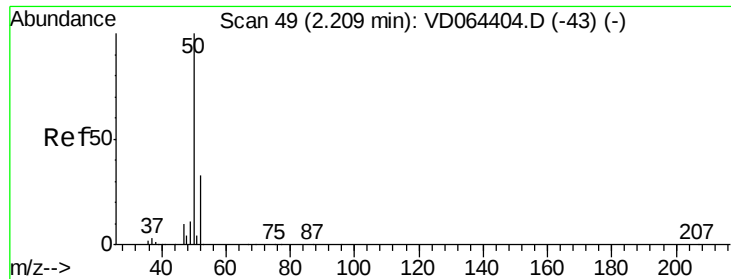
87 32.1 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 47.967 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064449.D

Acq: 06 Dec 2019 10:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 290971

Ion Ratio Lower Upper

50 100

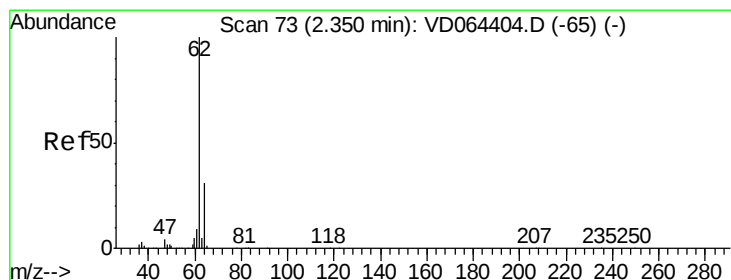
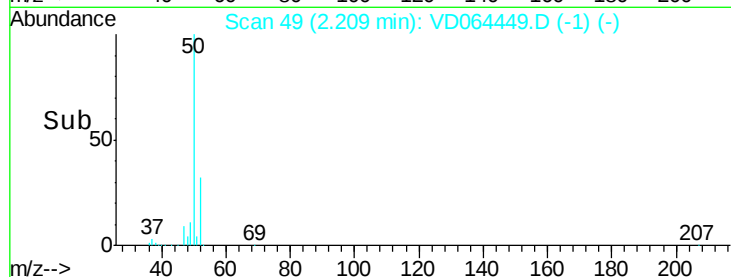
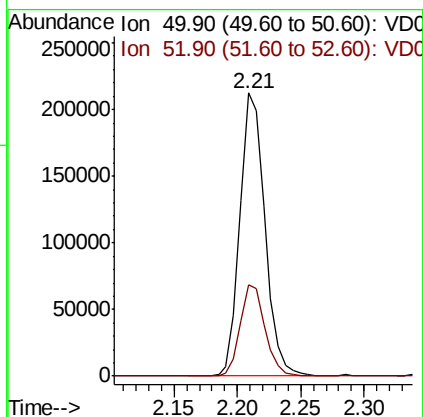
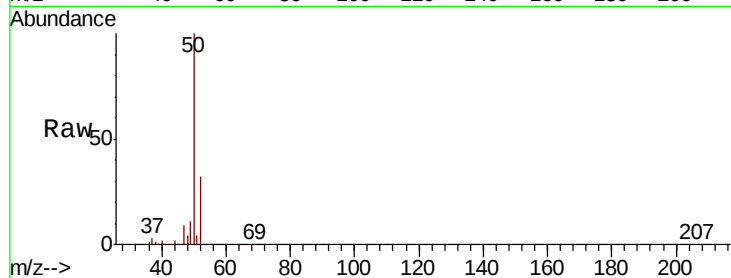
52 32.5 26.7 40.1

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#4

Vinyl Chloride

Concen: 49.963 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD064449.D

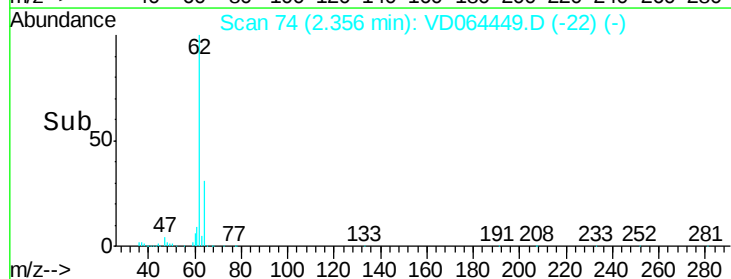
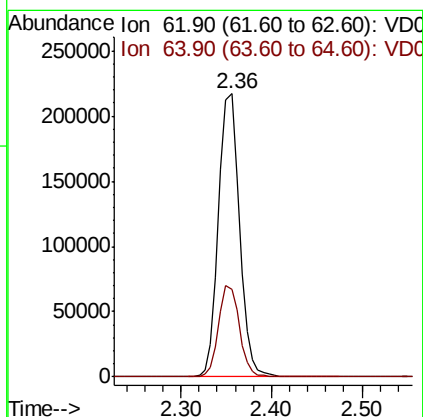
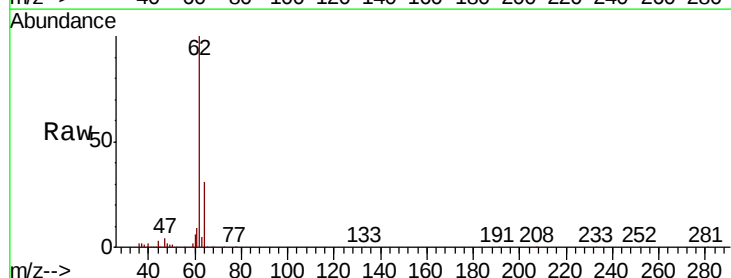
Acq: 06 Dec 2019 10:21

Tgt Ion: 62 Resp: 349936

Ion Ratio Lower Upper

62 100

64 30.9 25.0 37.4





#5

Bromomethane

Concen: 44.683 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD064449.D

Acq: 06 Dec 2019 10:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 231436

Ion Ratio Lower Upper

94 100

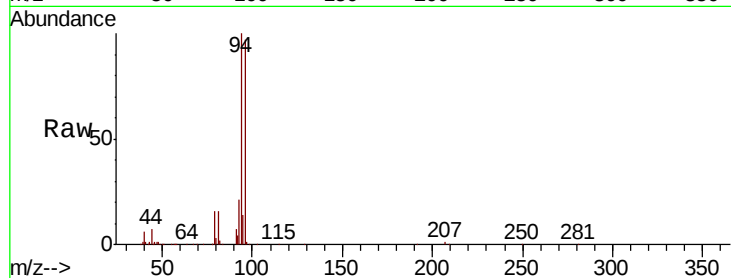
96 97.2 73.6 110.4

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

120000

100000

80000

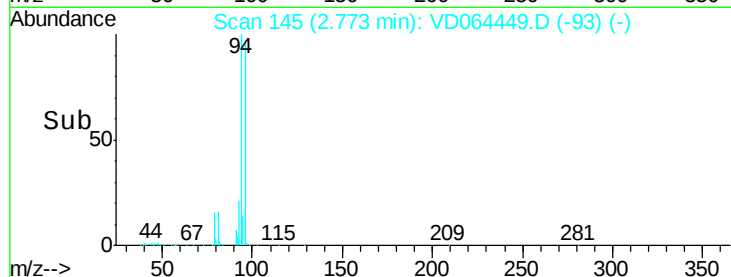
60000

40000

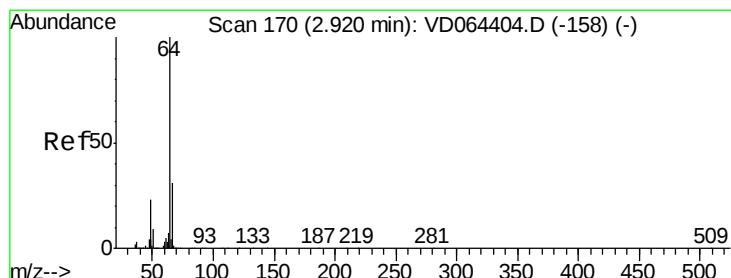
20000

0

Time-->



Time-->



#6

Chloroethane

Concen: 49.150 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD064449.D

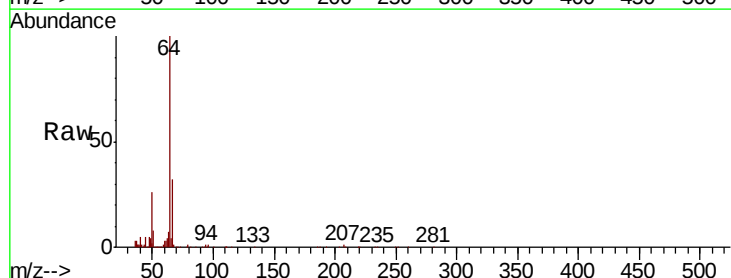
Acq: 06 Dec 2019 10:21

Tgt Ion: 64 Resp: 230094

Ion Ratio Lower Upper

64 100

66 32.3 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

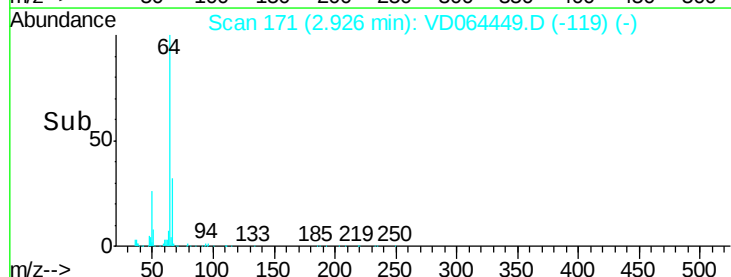
Ion 65.90 (65.60 to 66.60): VDC

100000

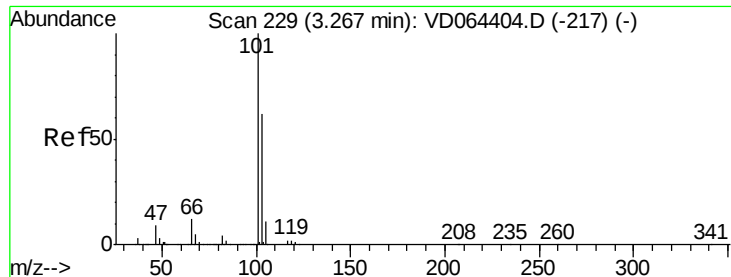
50000

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Time-->



Time-->



#7

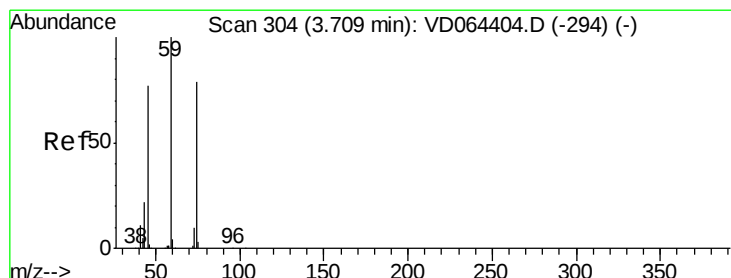
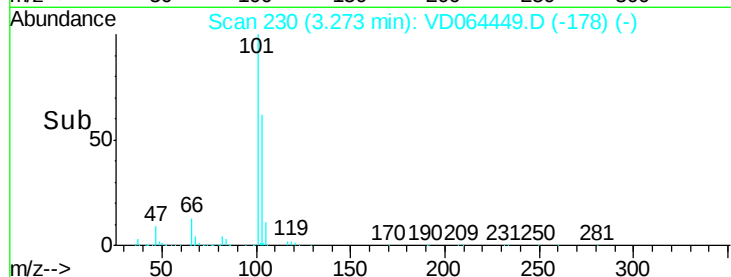
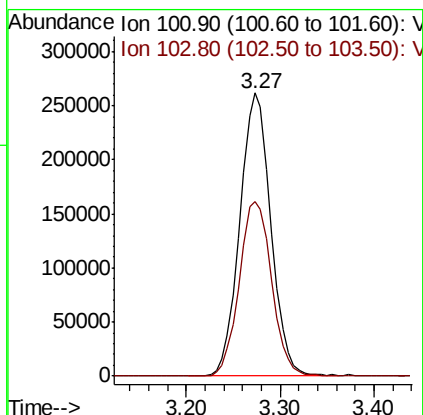
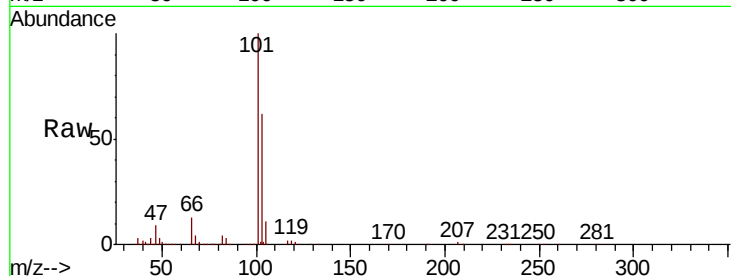
Trichlorofluoromethane
Concen: 51.468 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.01 min
Lab File: VD064449.D
Acq: 06 Dec 2019 10:21

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	61.7	49.8	74.6

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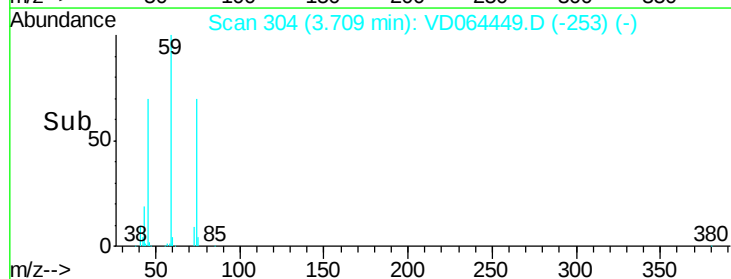
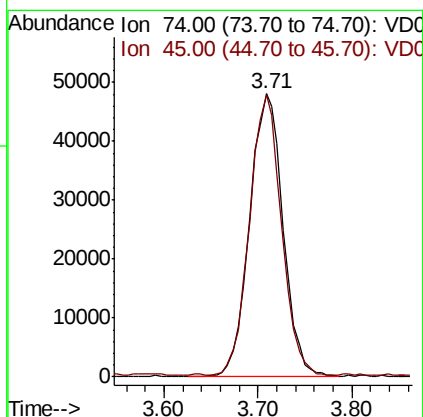
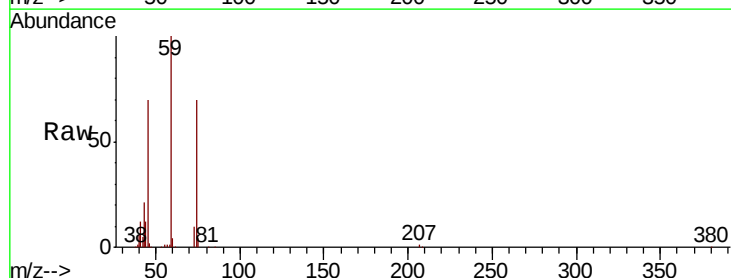
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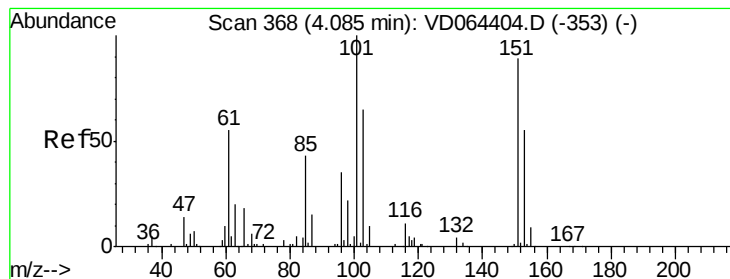


#8

Diethyl Ether
Concen: 48.815 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD064449.D
Acq: 06 Dec 2019 10:21

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.0	48.6	145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.752 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064449.D

Acq: 06 Dec 2019 10:21

Instrument :

MSVOA_D

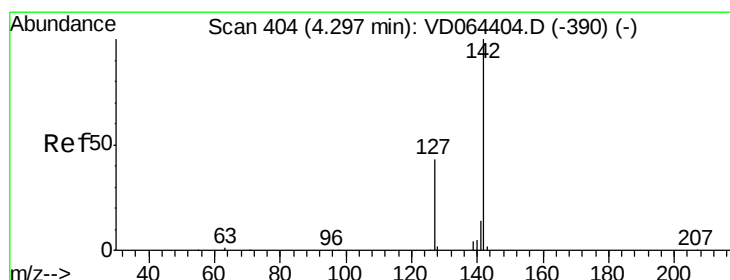
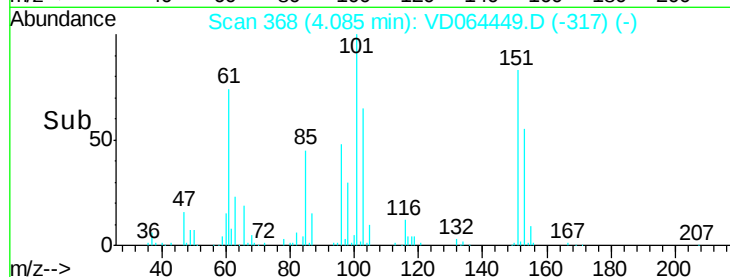
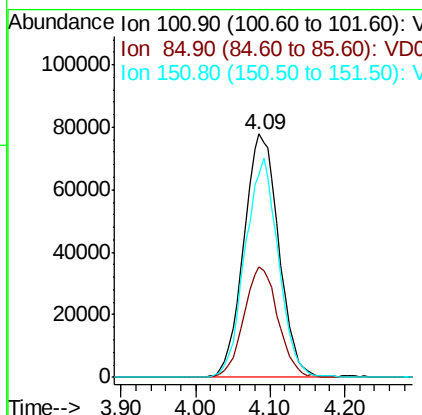
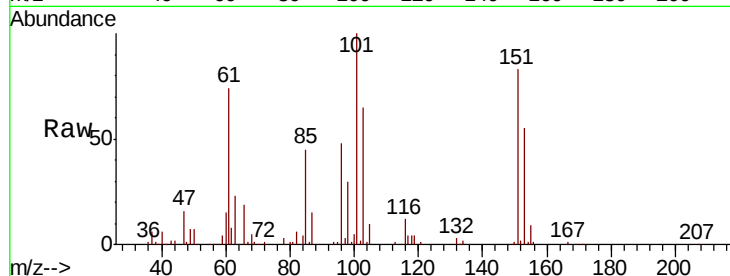
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	253372
Ion Ratio	Lower	Upper	
101	100		
85	44.2	34.8	52.2
151	86.1	68.8	103.2

Manual Integrations
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#10

Methyl Iodide

Concen: 55.216 ug/l

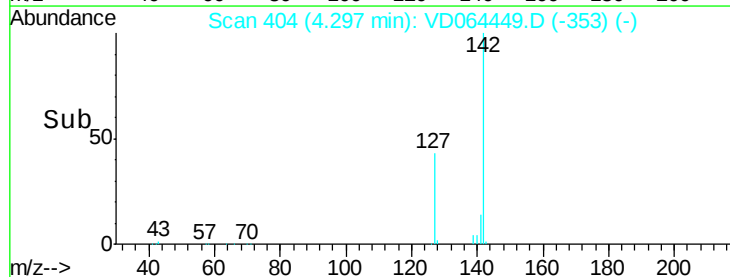
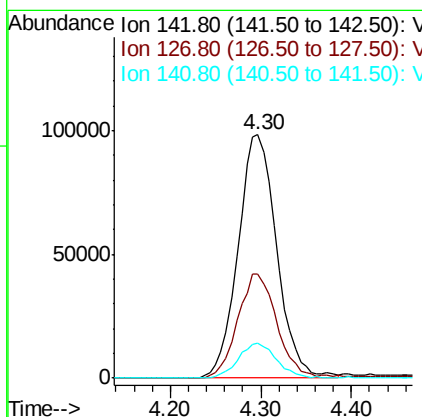
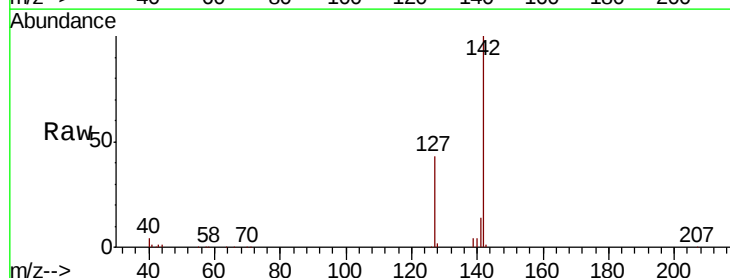
RT: 4.30 min Scan# 404

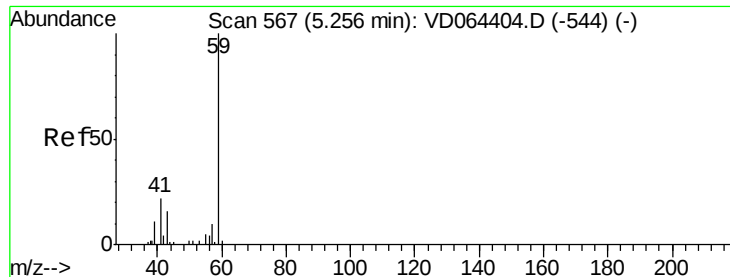
Delta R.T. 0.00 min

Lab File: VD064449.D

Acq: 06 Dec 2019 10:21

Tgt Ion:	142	Resp:	291105
Ion Ratio	Lower	Upper	
142	100		
127	43.4	35.3	52.9
141	14.2	11.6	17.4





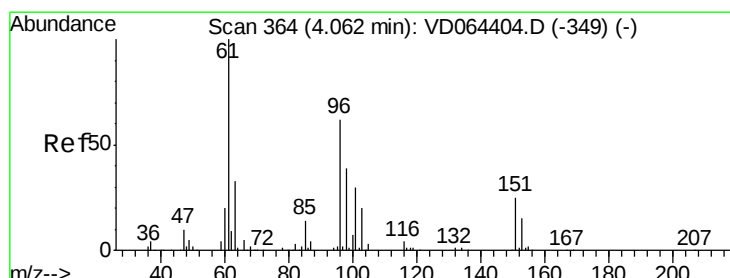
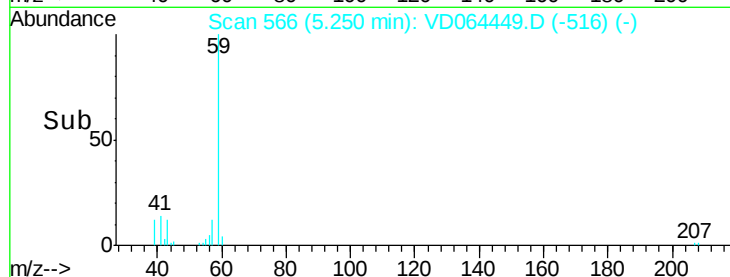
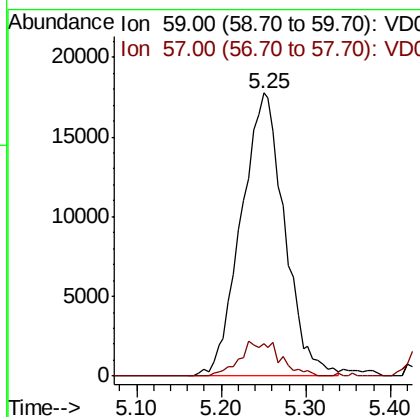
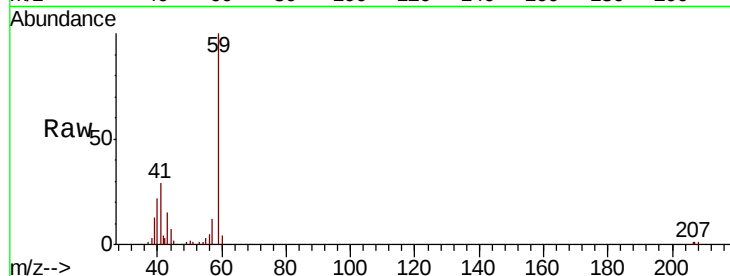
#11
Tert butyl alcohol
Concen: 206.826 ug/l
RT: 5.25 min Scan# 566
Delta R.T. -0.01 min
Lab File: VD064449.D
Acq: 06 Dec 2019 10:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 63253
Ion Ratio Lower Upper
59 100
57 5.6 0.0 0.0#

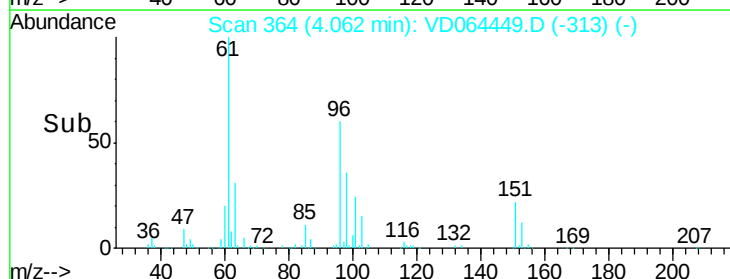
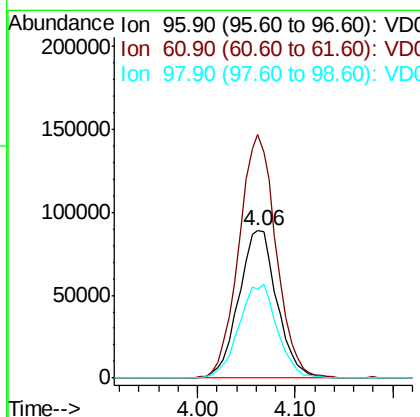
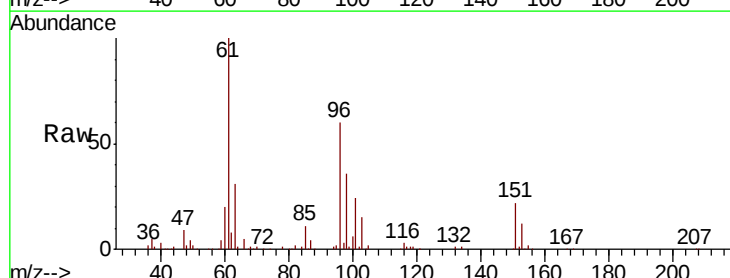
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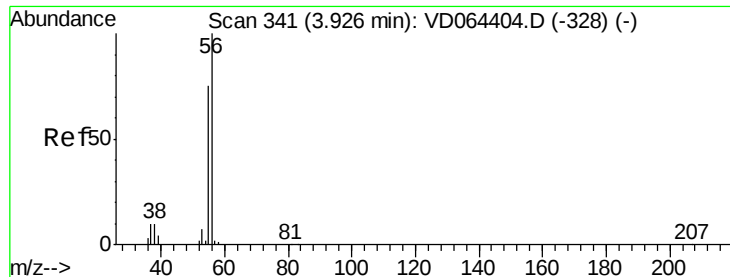
apatel
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#12
1,1-Dichloroethene
Concen: 50.883 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD064449.D
Acq: 06 Dec 2019 10:21

Tgt Ion: 96 Resp: 243439
Ion Ratio Lower Upper
96 100
61 165.4 128.2 192.4
98 60.3 50.4 75.6





#13

Acrolein

Concen: 219.059 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD064449.D

Acq: 06 Dec 2019 10:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 91379

Ion Ratio Lower Upper

56 100

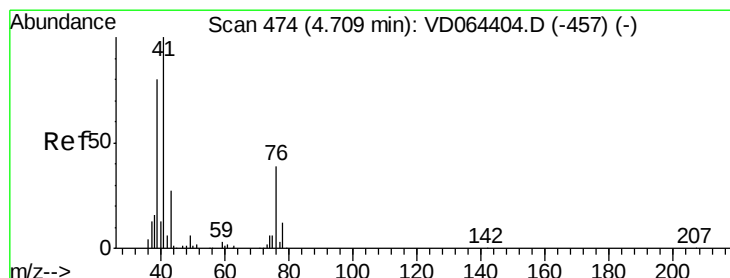
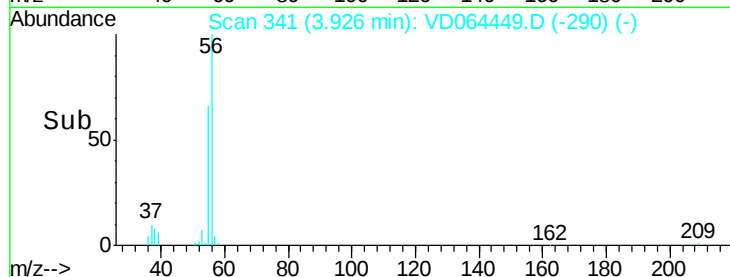
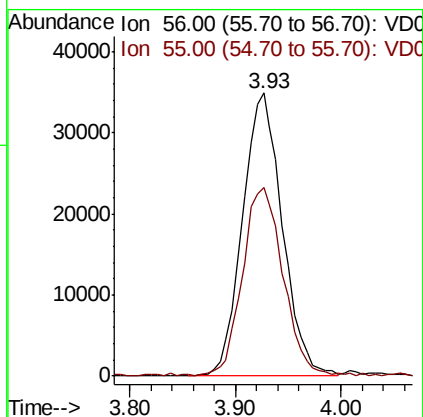
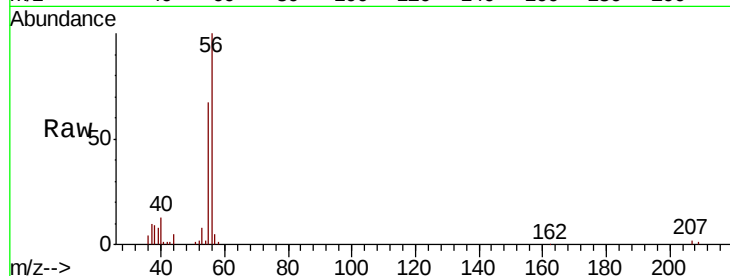
55 68.1 56.9 85.3

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#14

Allyl chloride

Concen: 51.500 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD064449.D

Acq: 06 Dec 2019 10:21

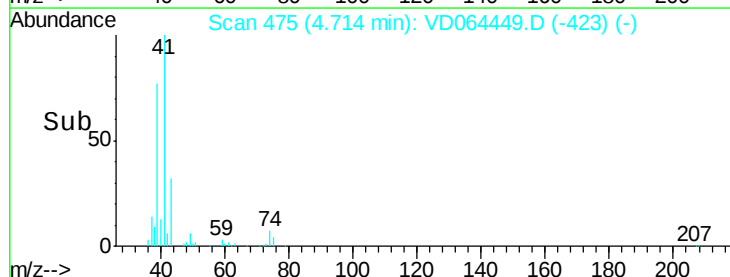
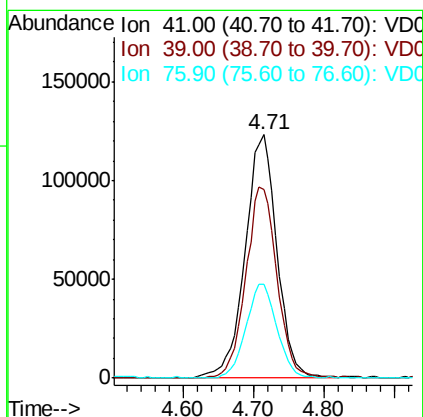
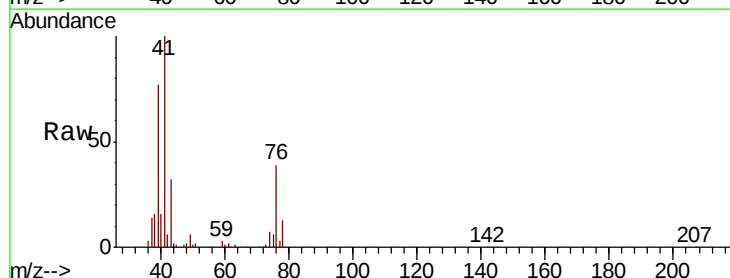
Tgt Ion: 41 Resp: 384526

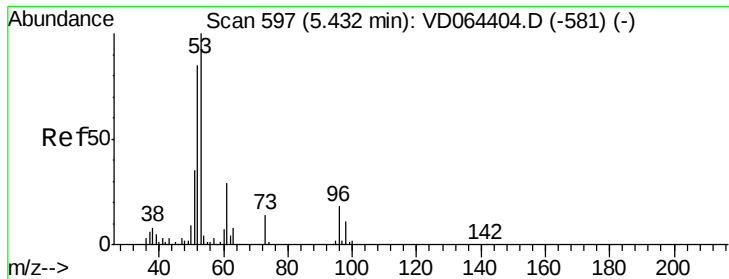
Ion Ratio Lower Upper

41 100

39 77.8 62.1 93.1

76 37.9 29.8 44.8





#15

Acrylonitrile

Concen: 234.419 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064449.D

Acq: 06 Dec 2019 10:21

Instrument :

MSVOA_D

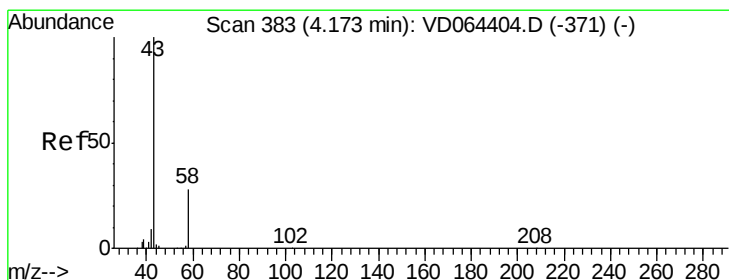
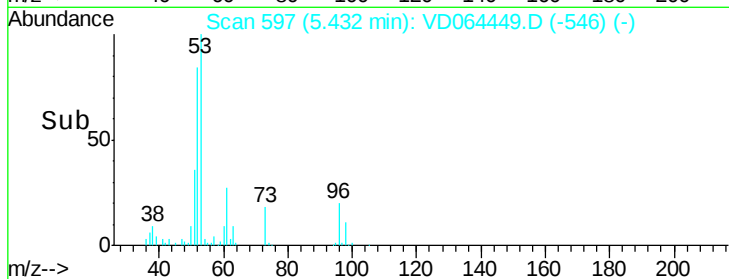
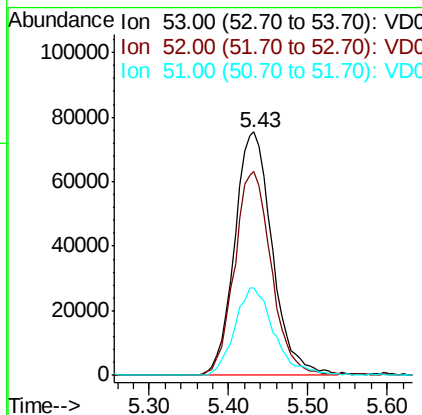
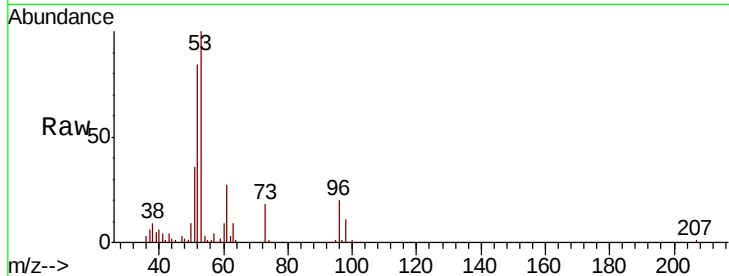
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	248024
Ion Ratio	Lower	Upper	
53	100		
52	82.1	67.9	101.9
51	37.8	30.6	45.8

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#16

Acetone

Concen: 294.208 ug/l

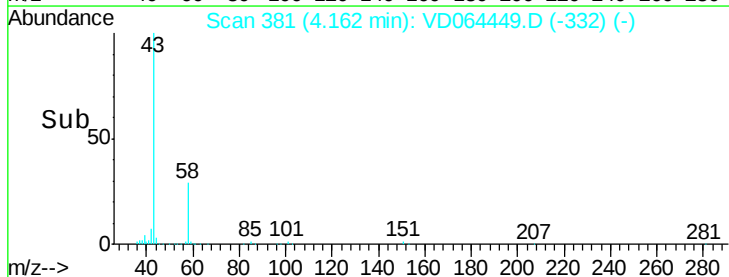
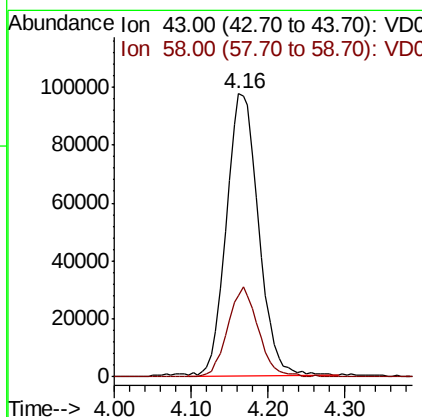
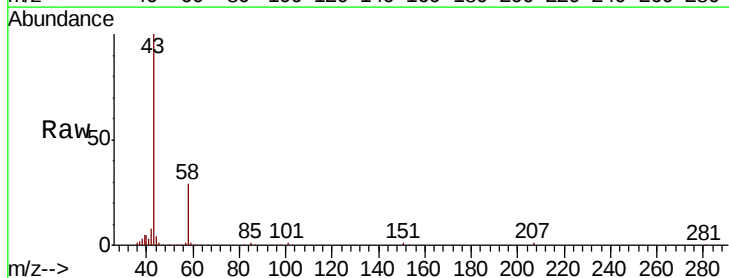
RT: 4.16 min Scan# 381

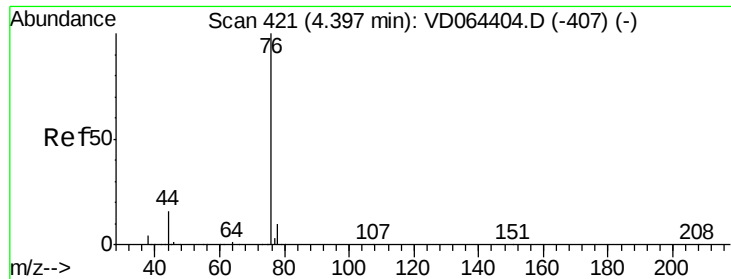
Delta R.T. -0.01 min

Lab File: VD064449.D

Acq: 06 Dec 2019 10:21

Tgt Ion:	43	Resp:	285641
Ion Ratio	Lower	Upper	
43	100		
58	28.8	22.6	33.8





#17

Carbon Disulfide

Concen: 51.337 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.01 min

Lab File: VD064449.D

Acq: 06 Dec 2019 10:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 777895

Ion Ratio Lower Upper

76 100

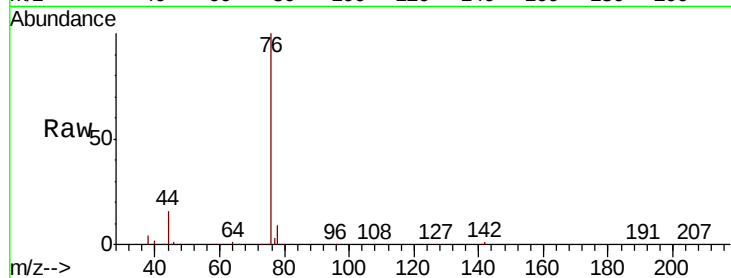
78 9.0 7.8 11.8

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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

300000

250000

200000

150000

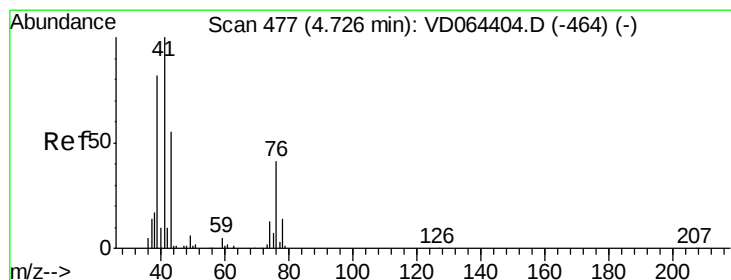
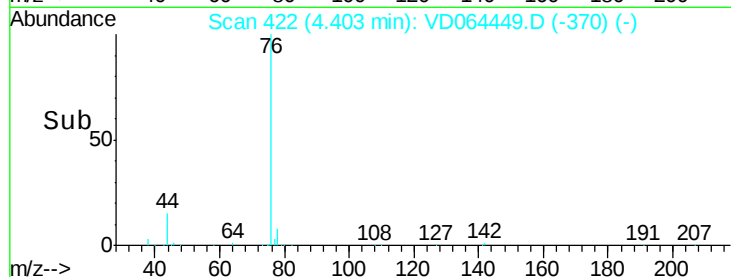
100000

50000

0

Time-->

4.30 4.40 4.50 4.60



#18

Methyl Acetate

Concen: 47.407 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.00 min

Lab File: VD064449.D

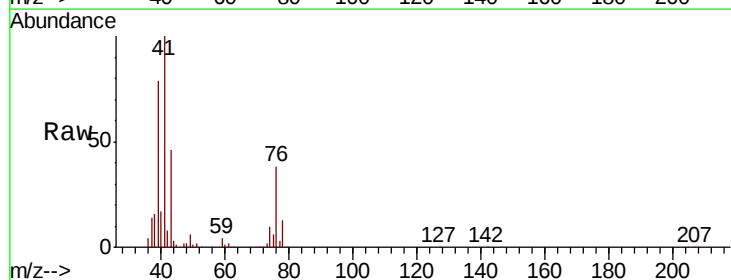
Acq: 06 Dec 2019 10:21

Tgt Ion: 43 Resp: 134257

Ion Ratio Lower Upper

43 100

74 23.4 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

50000

40000

30000

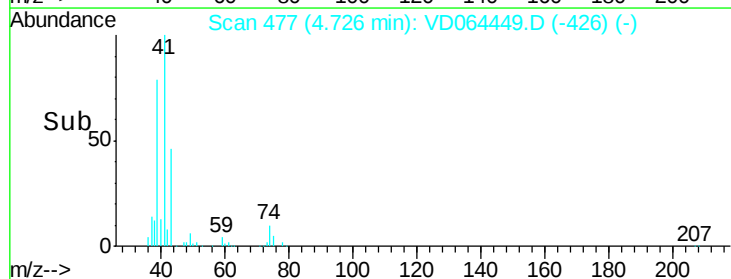
20000

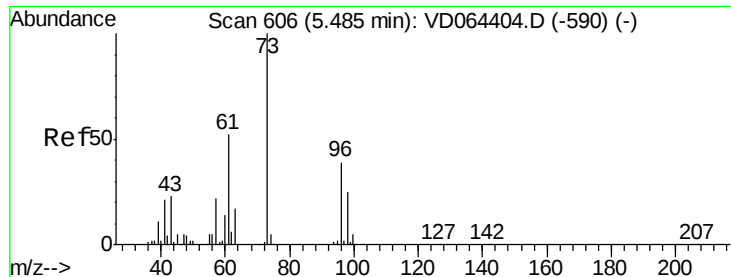
10000

0

Time-->

4.60 4.70 4.80 4.90





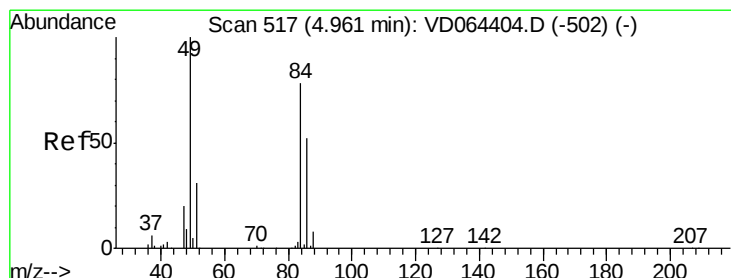
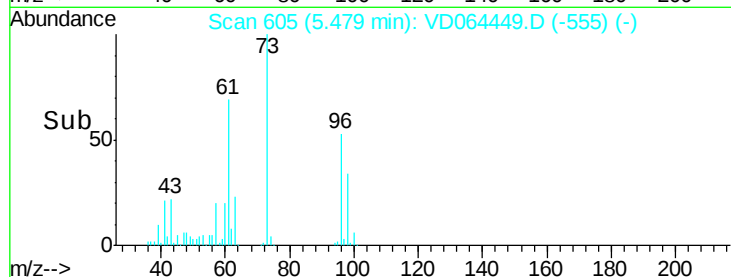
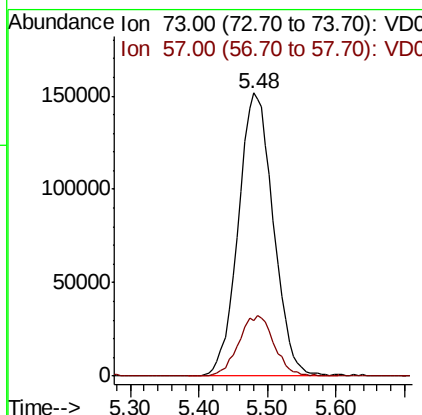
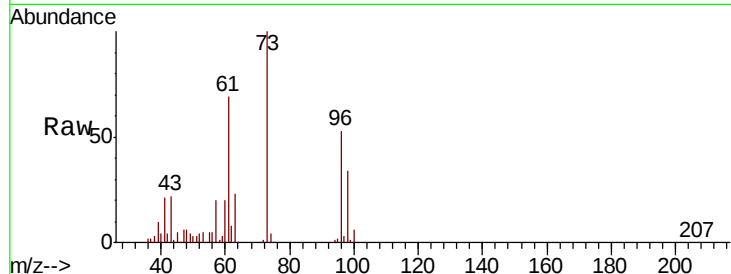
#19
Methvl tert-butvl Ether
Concen: 49.054 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD064449.D
Acq: 06 Dec 2019 10:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 538341
Ion Ratio Lower Upper
73 100
57 19.6 17.6 26.4

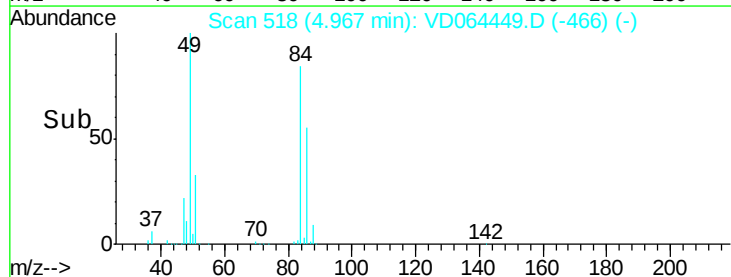
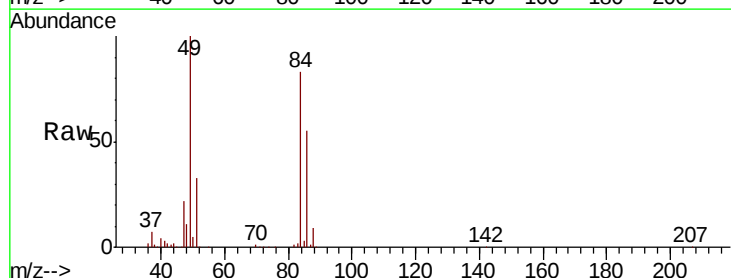
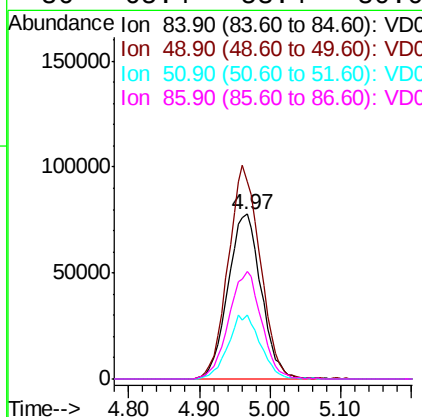
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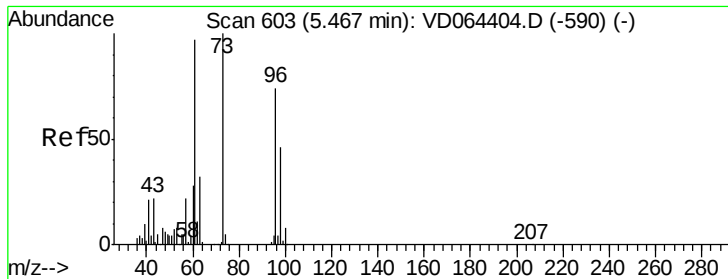
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#20
Methylene Chloride
Concen: 51.799 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD064449.D
Acq: 06 Dec 2019 10:21

Tgt Ion: 84 Resp: 254741
Ion Ratio Lower Upper
84 100
49 119.9 102.6 153.8
51 39.1 32.0 48.0
86 65.4 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 50.624 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD064449.D

Acq: 06 Dec 2019 10:21

Instrument :

MSVOA_D

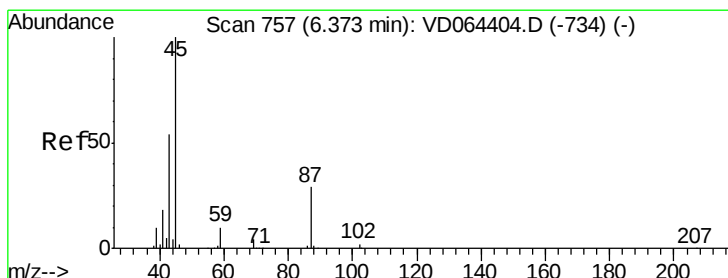
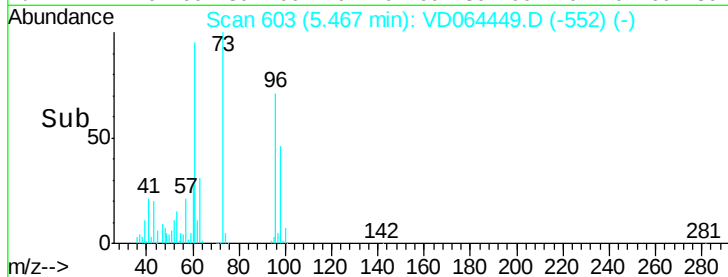
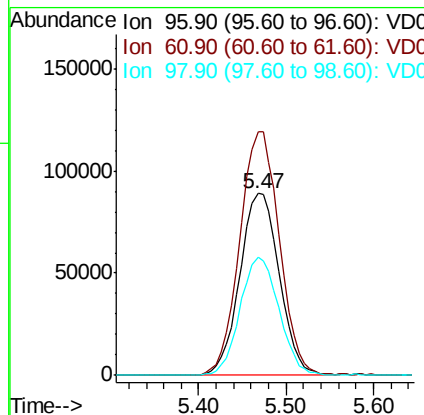
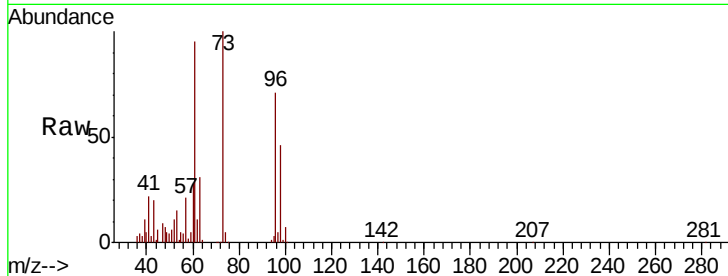
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	273963
Ion	Ratio	Lower	Upper
96	100		
61	133.6	105.8	158.6
98	65.2	50.1	75.1

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#22

Diisopropyl ether

Concen: 50.308 ug/l

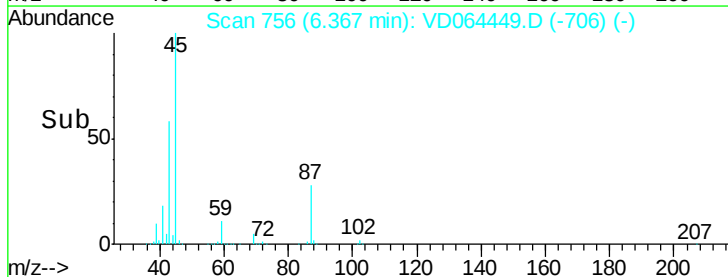
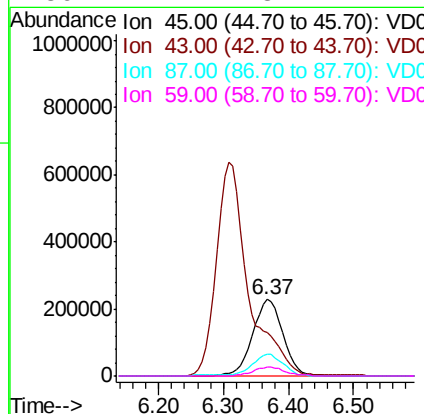
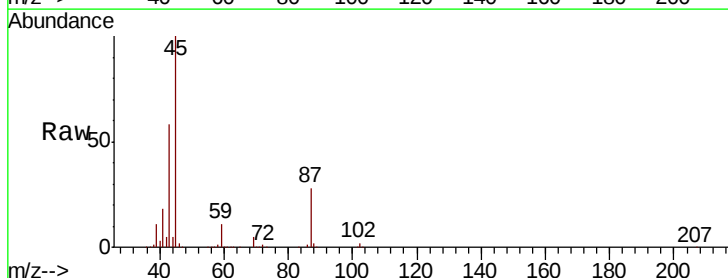
RT: 6.37 min Scan# 756

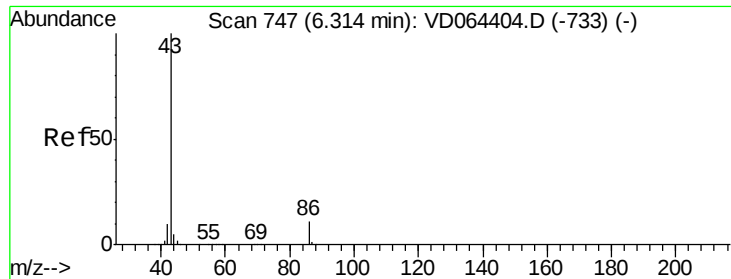
Delta R.T. -0.01 min

Lab File: VD064449.D

Acq: 06 Dec 2019 10:21

Tgt Ion:	45	Resp:	741535
Ion	Ratio	Lower	Upper
45	100		
43	56.9	43.1	64.7
87	28.2	23.5	35.3
59	11.2	8.2	12.2





#23

Vinyl Acetate

Concen: 249.881 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064449.D

Acq: 06 Dec 2019 10:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2171372

Ion Ratio Lower Upper

43 100

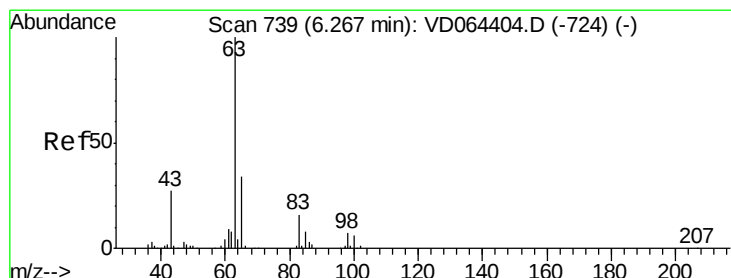
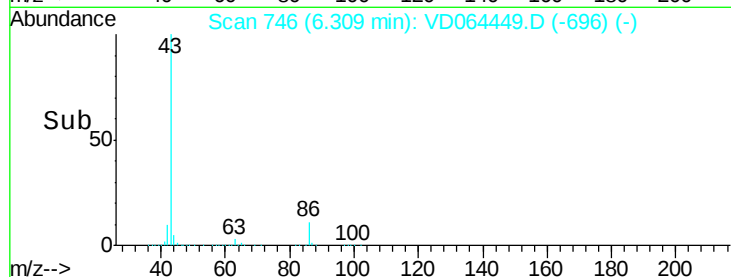
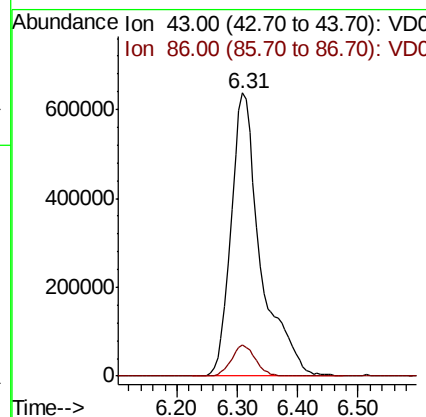
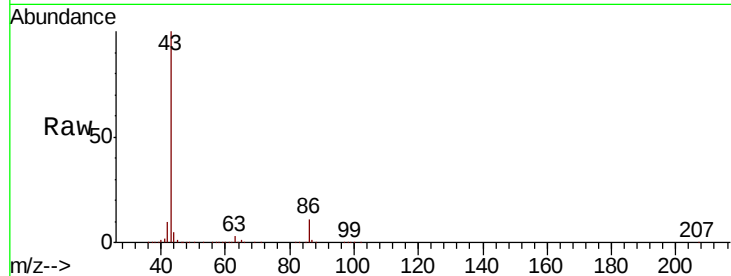
86 11.0 8.9 13.3

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#24

1,1-Dichloroethane

Concen: 50.912 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064449.D

Acq: 06 Dec 2019 10:21

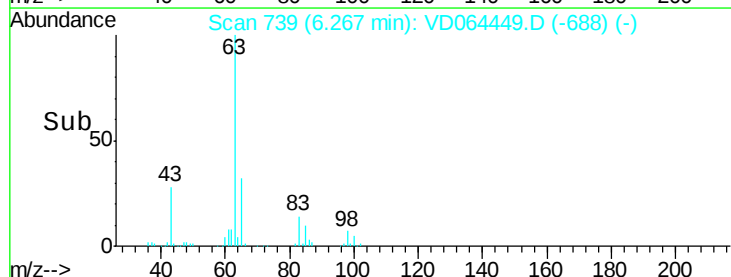
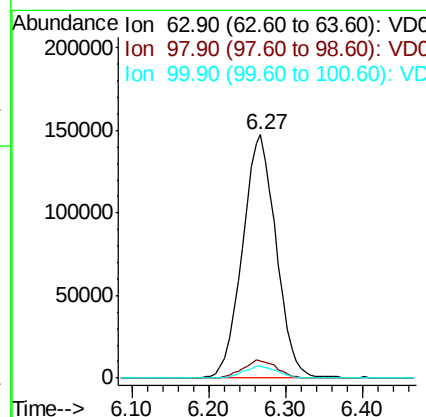
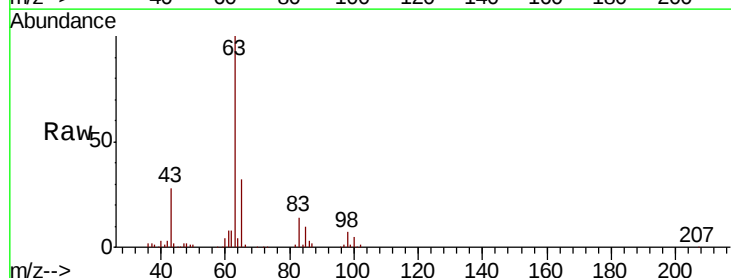
Tgt Ion: 63 Resp: 451300

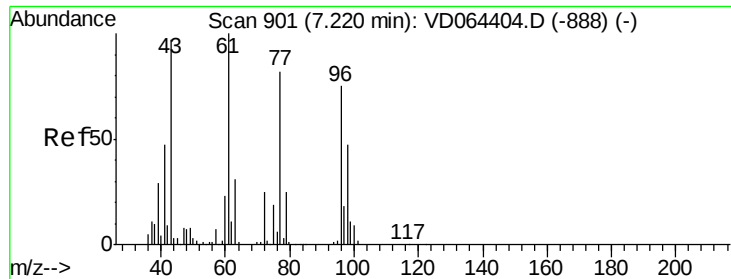
Ion Ratio Lower Upper

63 100

98 7.2 3.6 10.9

100 4.8 2.9 8.6





#25

2-Butanone

Concen: 242.992 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064449.D

Acq: 06 Dec 2019 10:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 333635

Ion Ratio Lower Upper

43 100

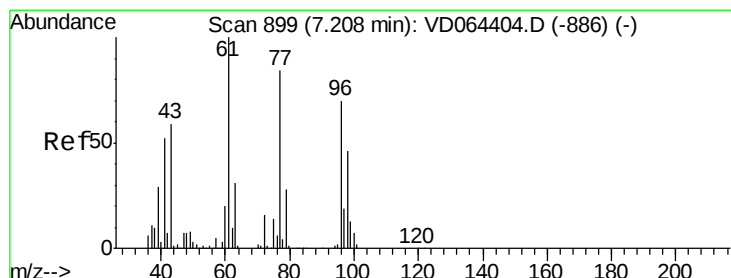
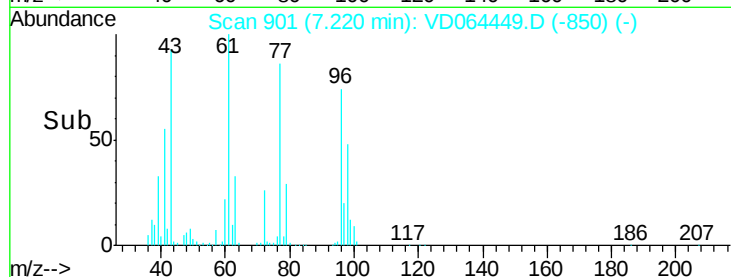
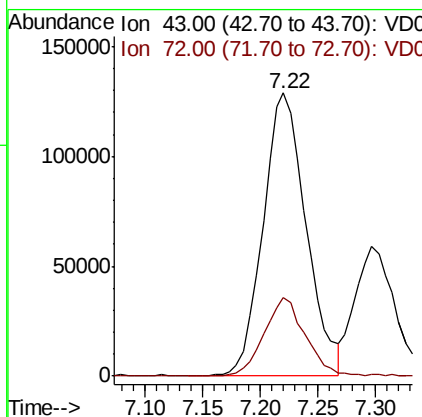
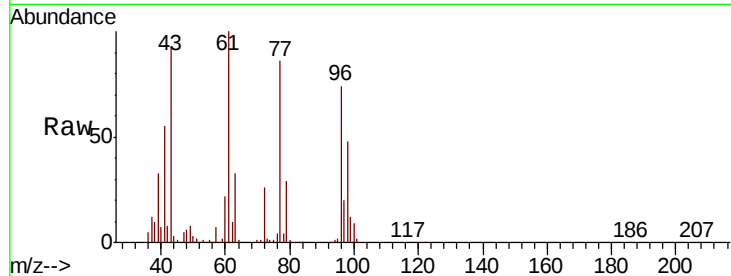
72 27.8 21.0 31.4

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#26

2,2-Dichloropropane

Concen: 54.312 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064449.D

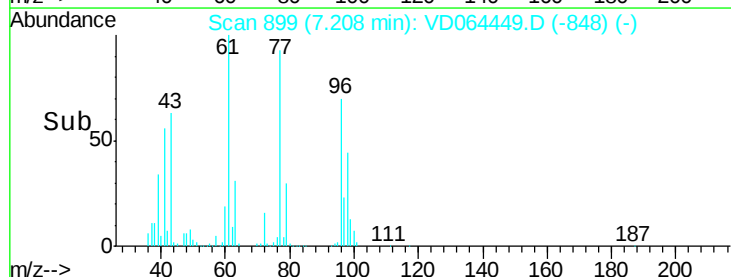
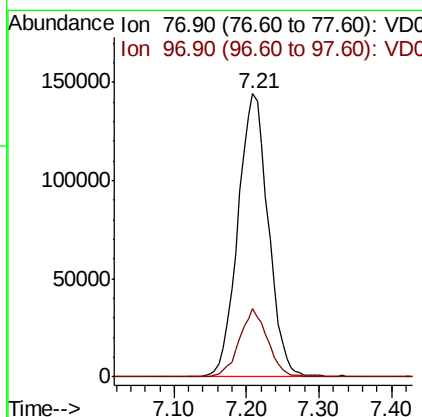
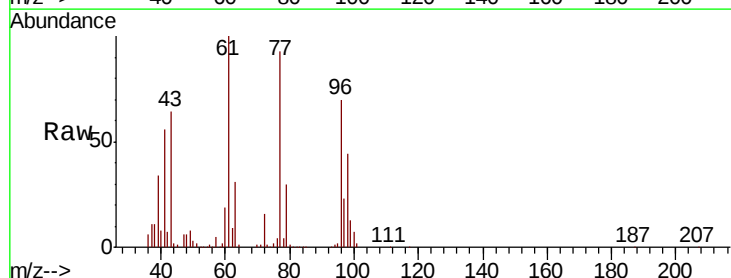
Acq: 06 Dec 2019 10:21

Tgt Ion: 77 Resp: 418689

Ion Ratio Lower Upper

77 100

97 22.5 11.6 34.7





#27

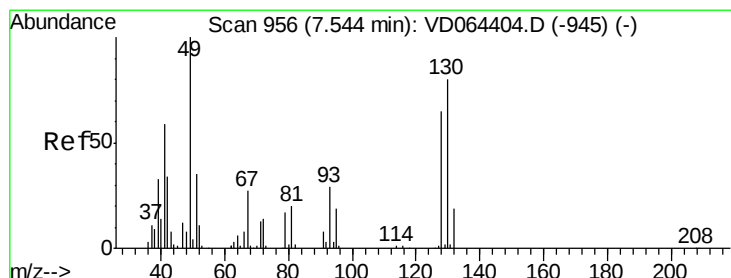
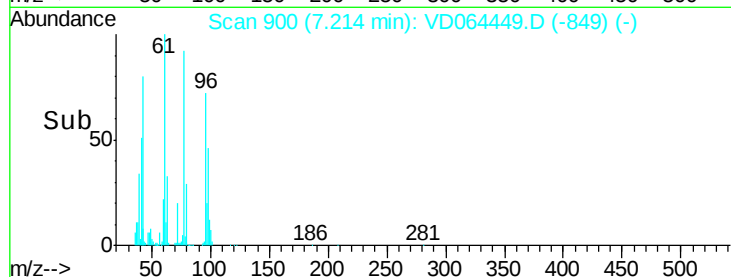
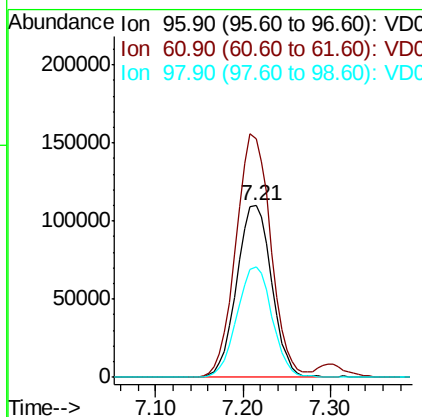
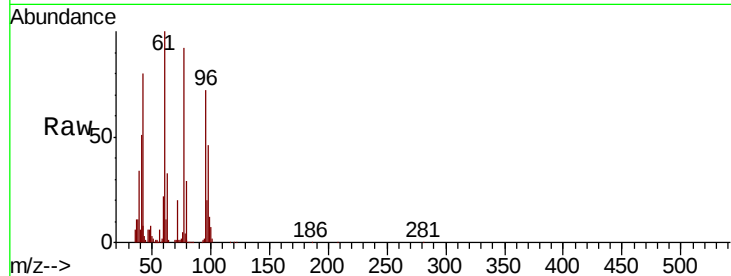
cis-1,2-Dichloroethene
 Concen: 50.505 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD064449.D
 Acq: 06 Dec 2019 10:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	297984		
61	141.9	0.0	279.6	
98	64.5	0.0	129.2	

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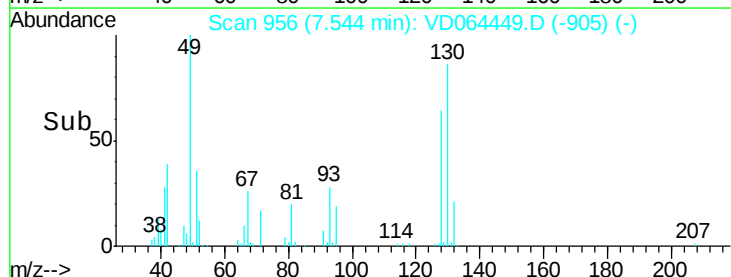
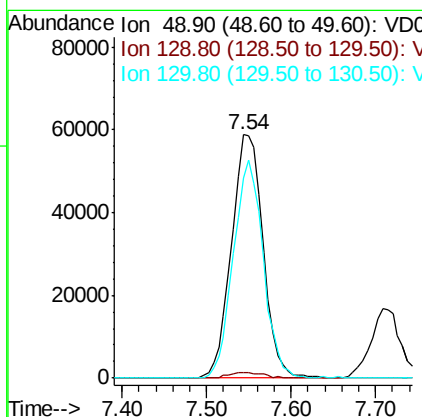
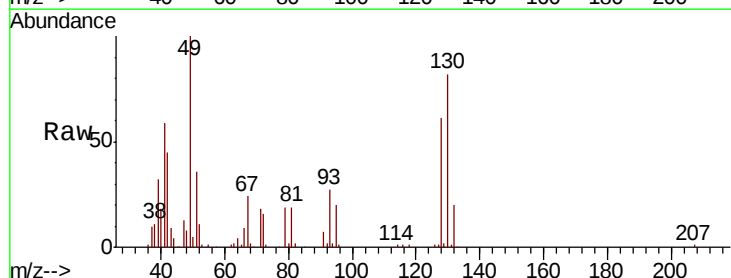
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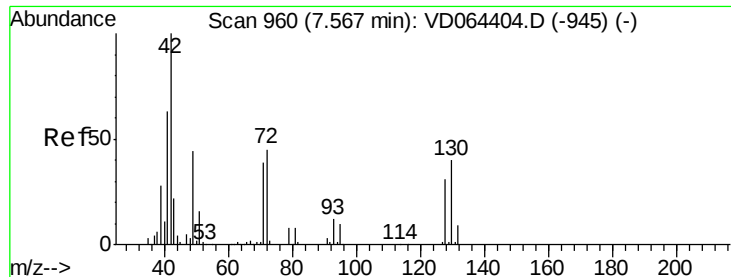


#28

Bromochloromethane
 Concen: 50.149 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. 0.00 min
 Lab File: VD064449.D
 Acq: 06 Dec 2019 10:21

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	151922		
129	2.5	0.0	4.4	
130	84.7	67.4	101.0	





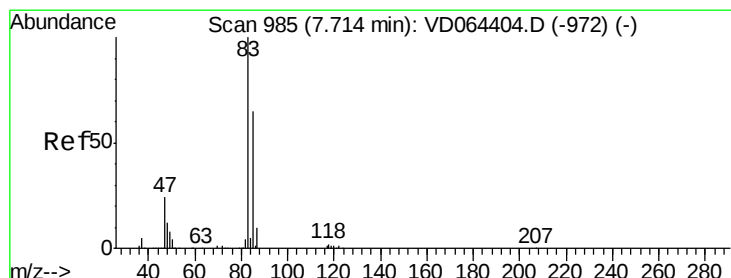
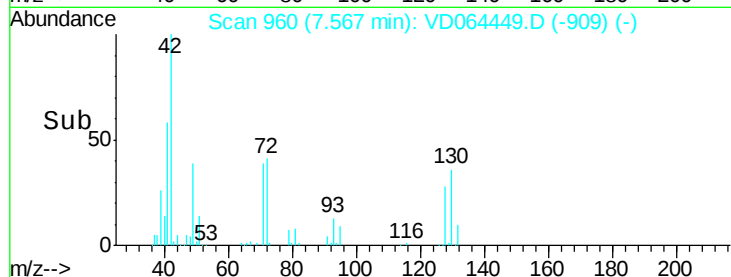
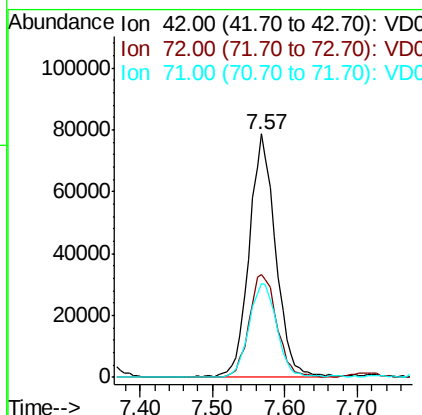
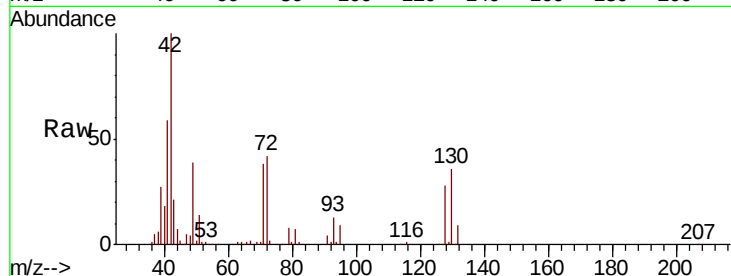
#29
Tetrahydrofuran
Concen: 229.084 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.00 min
Lab File: VD064449.D
Acq: 06 Dec 2019 10:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.2	35.8	53.8
71	40.2	32.7	49.1

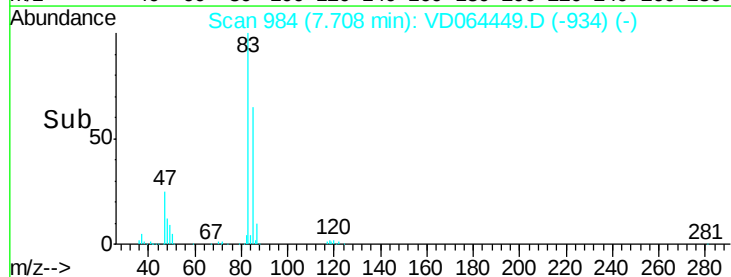
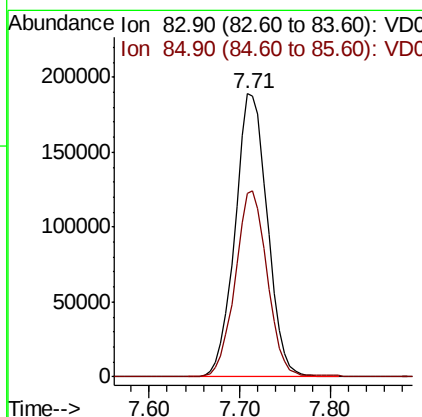
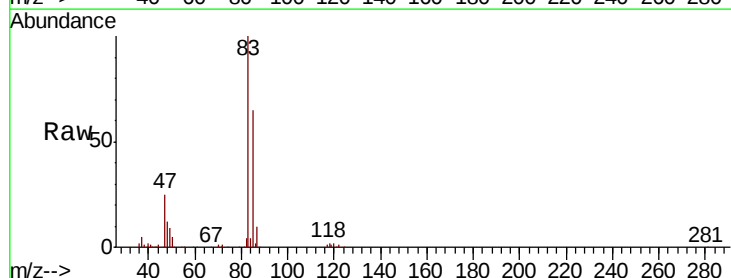
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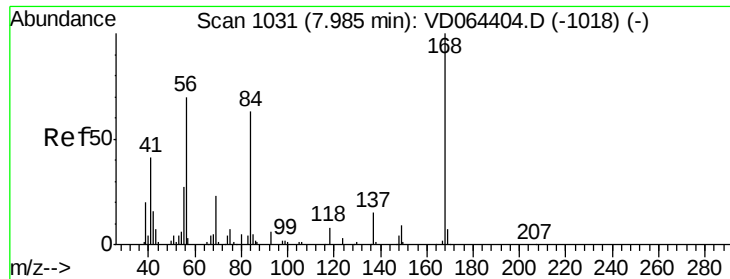
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#30
Chloroform
Concen: 51.017 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD064449.D
Acq: 06 Dec 2019 10:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.8	77.6





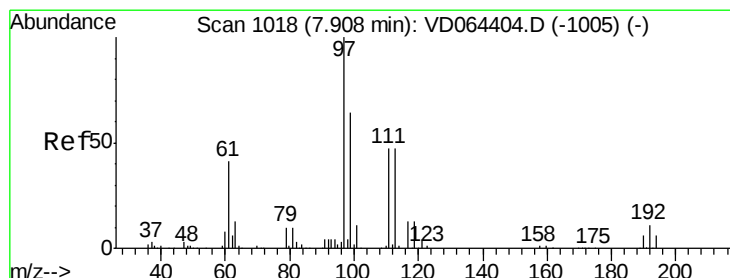
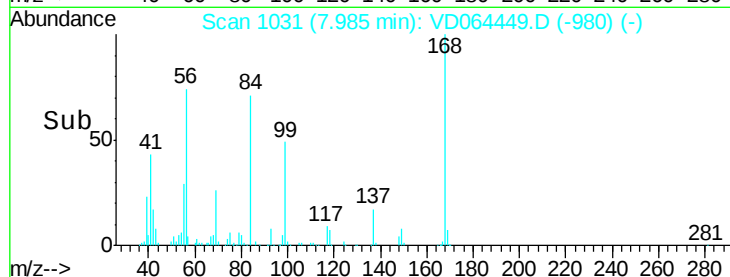
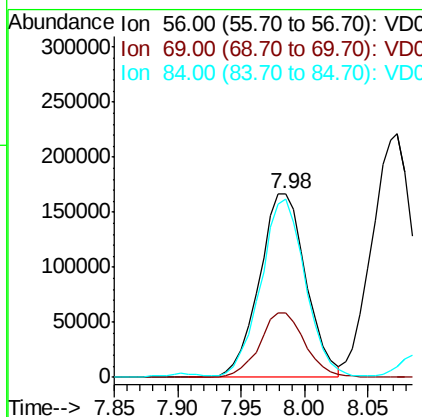
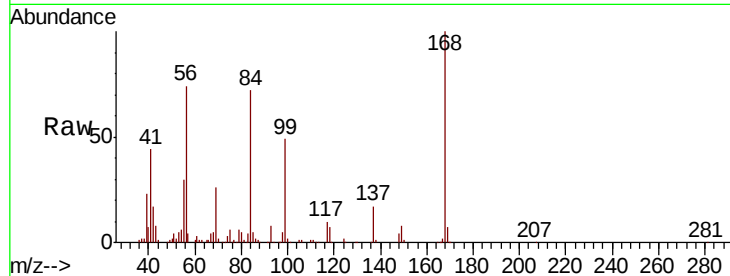
#31
Cyclohexane
Concen: 55.832 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064449.D
Acq: 06 Dec 2019 10:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	35.0	26.2	39.4	
84	95.5	70.3	105.5	

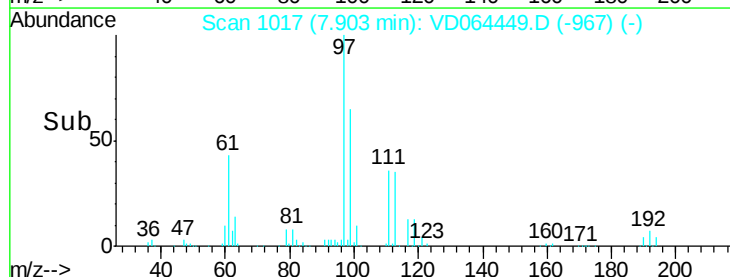
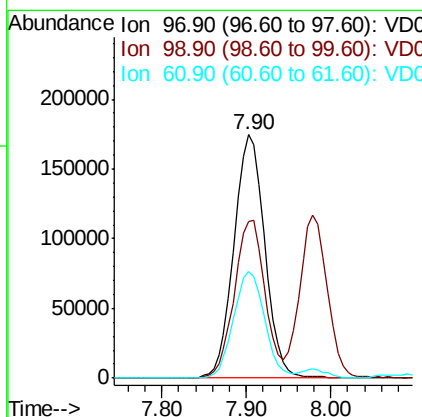
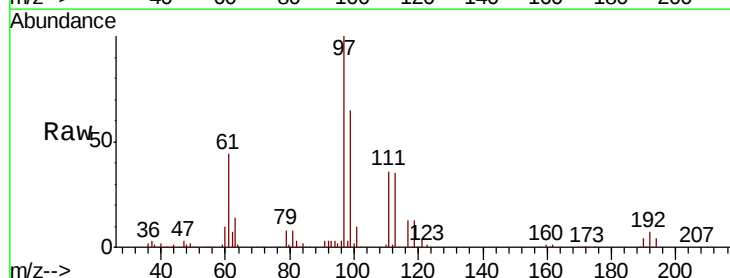
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#32
1,1,1-Trichloroethane
Concen: 51.679 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064449.D
Acq: 06 Dec 2019 10:21

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	64.9	51.4	77.2	
61	44.3	35.0	52.4	





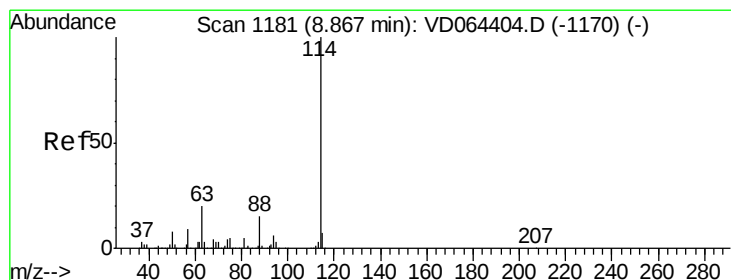
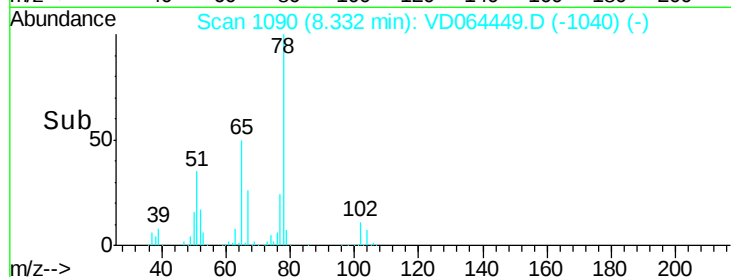
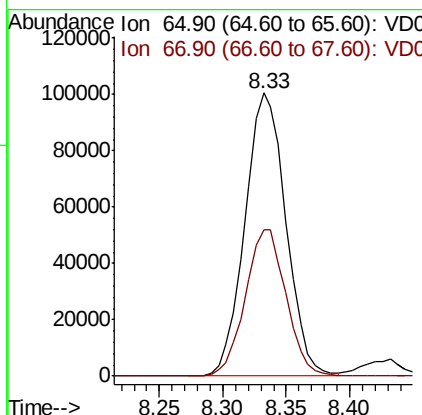
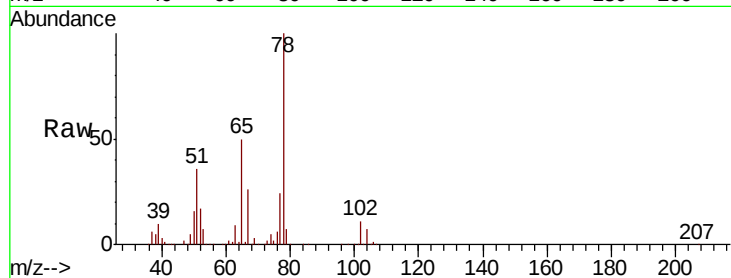
#33
 1,2-Dichloroethane-d4
 Concen: 47.101 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD064449.D
 Acq: 06 Dec 2019 10:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	226296		
67	51.5	0.0	102.0	

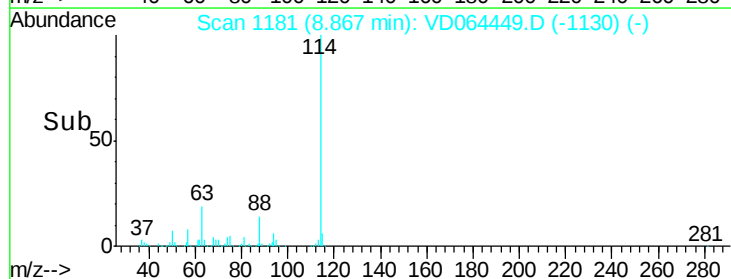
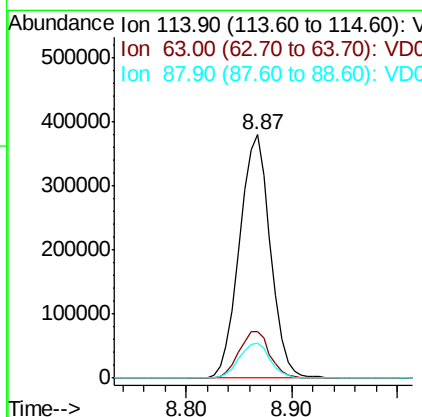
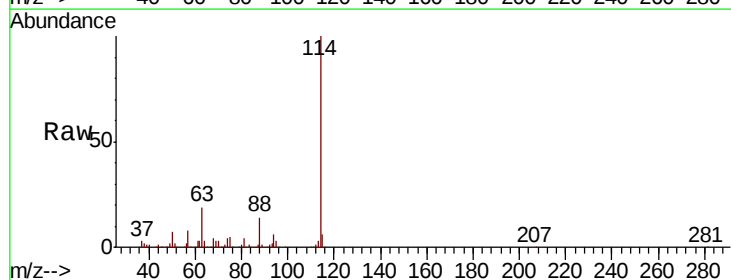
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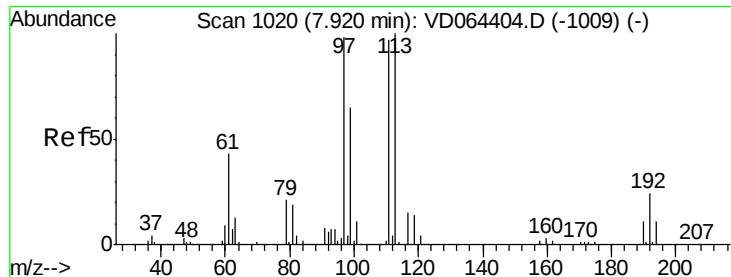
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064449.D
 Acq: 06 Dec 2019 10:21

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	770945		
63	19.0	0.0	40.0	
88	14.3	0.0	29.2	





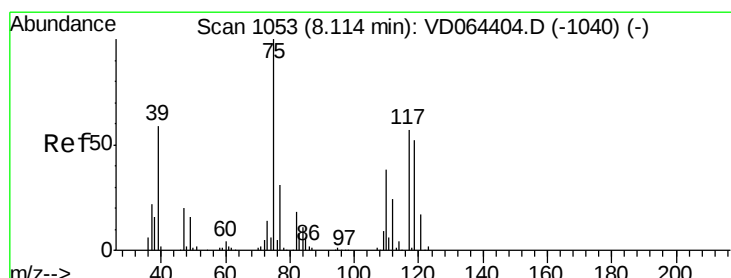
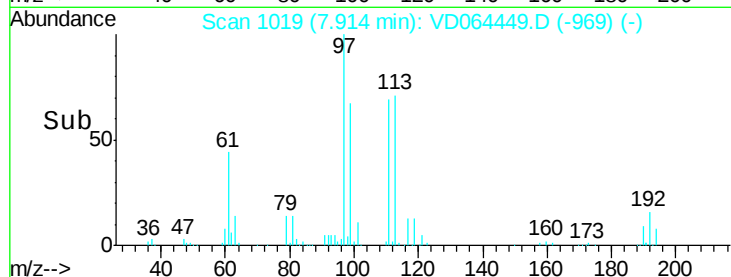
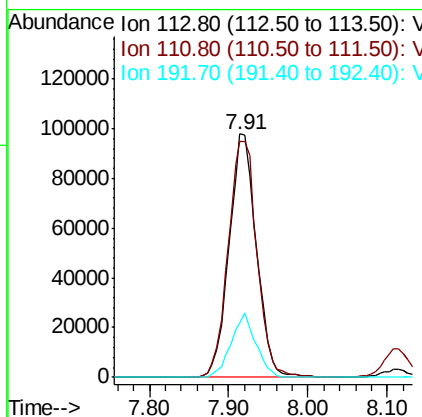
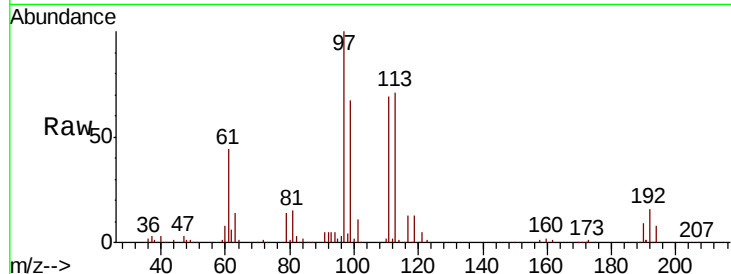
#35
 Dibromofluoromethane
 Concen: 47.883 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD064449.D
 Acq: 06 Dec 2019 10:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	232586		
111	102.4	79.4	119.2	
192	23.9	18.6	28.0	

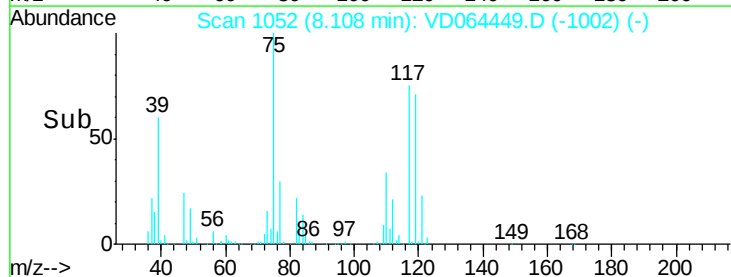
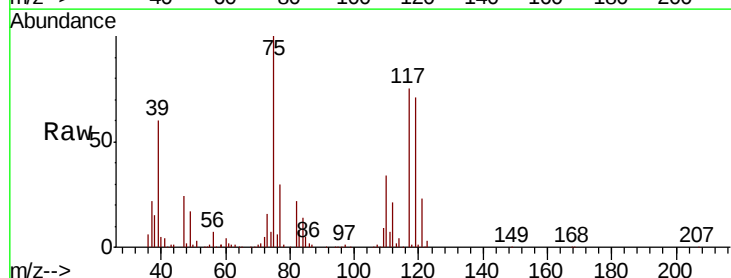
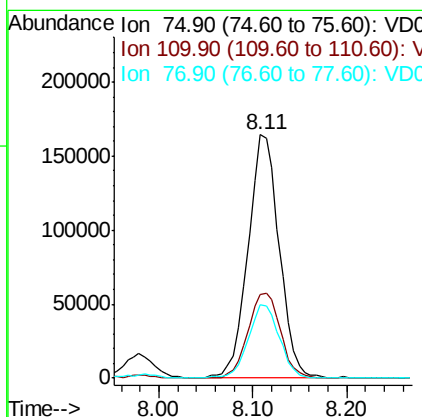
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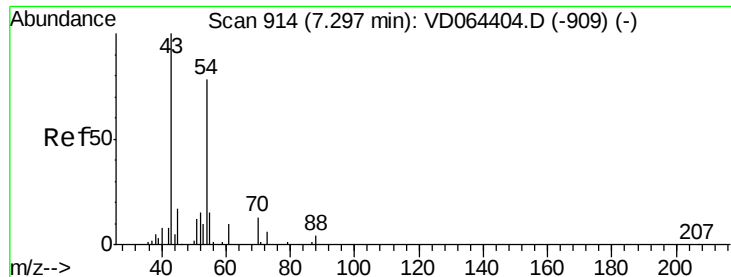
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#36
 1,1-Dichloropropene
 Concen: 51.503 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD064449.D
 Acq: 06 Dec 2019 10:21

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	375562		
110	36.5	18.6	55.8	
77	30.5	25.0	37.4	





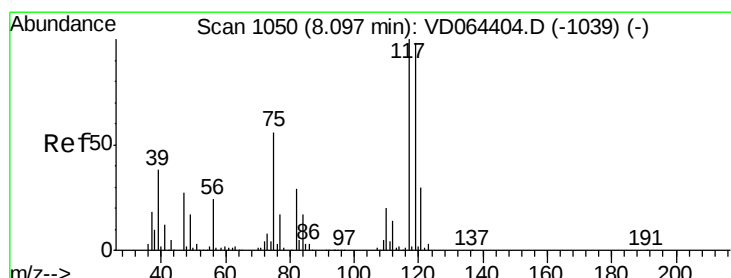
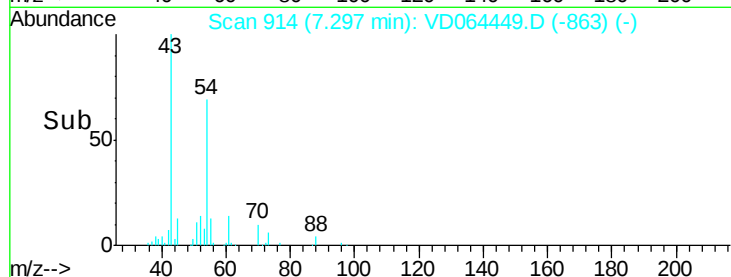
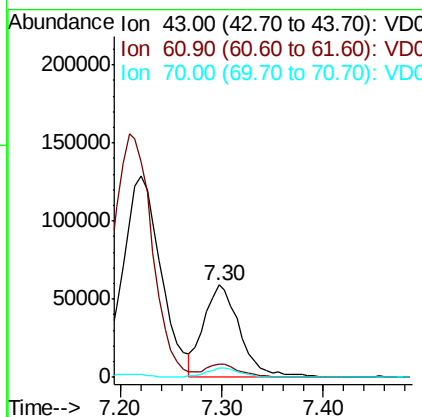
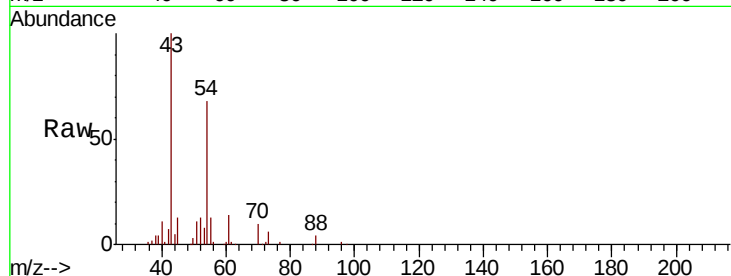
#37
Ethyl Acetate
Concen: 46.515 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD064449.D
Acq: 06 Dec 2019 10:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.4	10.9	16.3
70	9.8	8.3	12.5

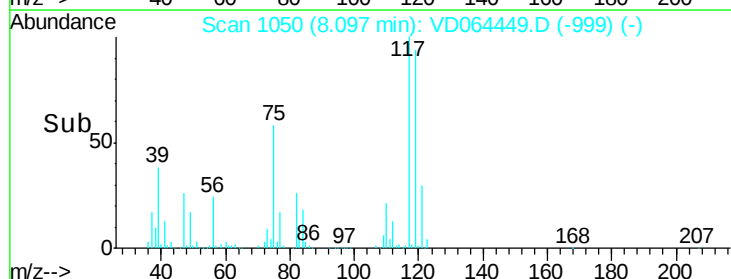
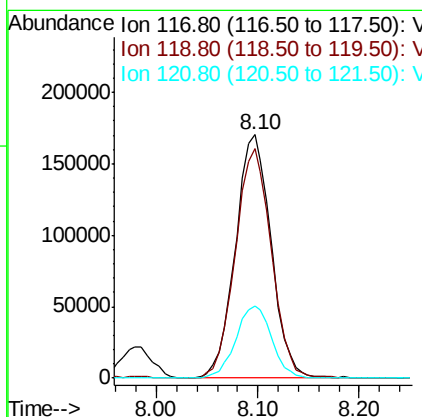
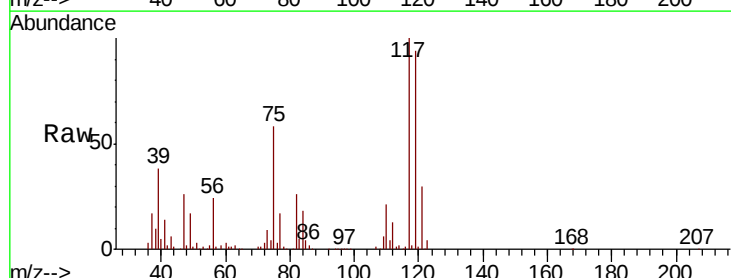
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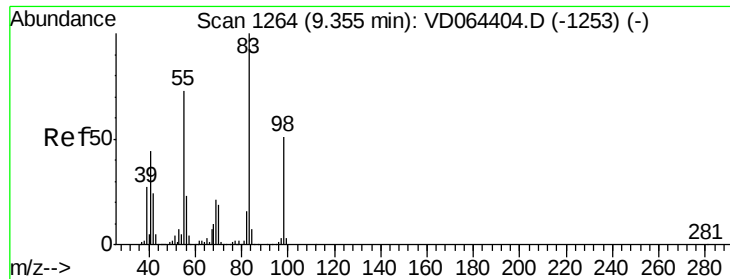
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#38
Carbon Tetrachloride
Concen: 53.679 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064449.D
Acq: 06 Dec 2019 10:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.4	78.8	118.2
121	29.8	24.2	36.2





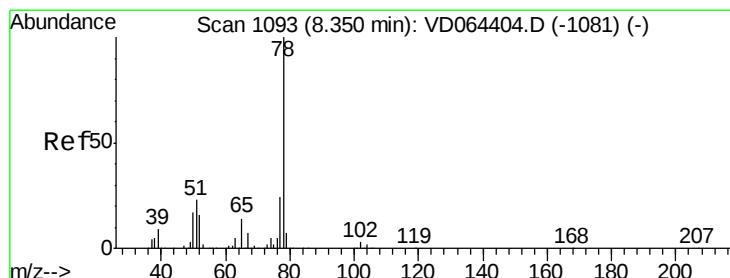
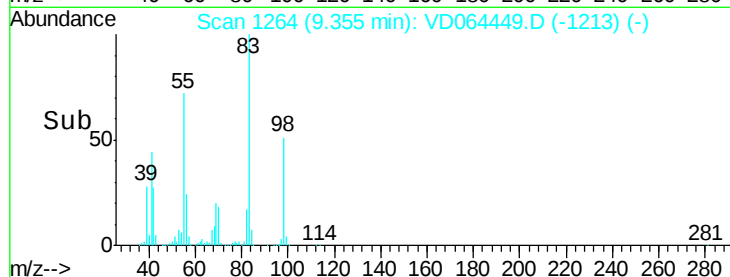
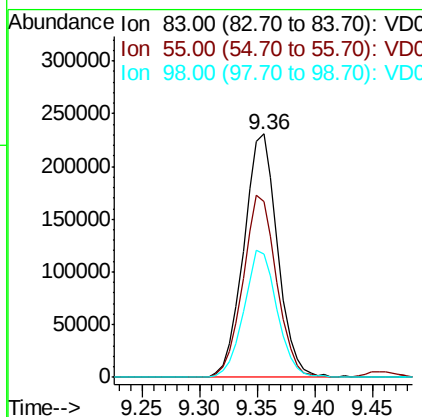
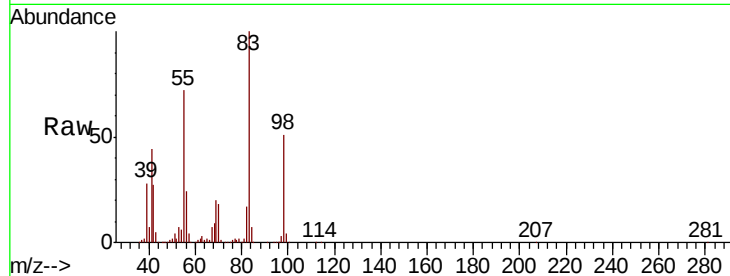
#39
Methvlcvclohexane
Concen: 51.945 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064449.D
Acq: 06 Dec 2019 10:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.3	58.6	87.8
98	50.9	40.9	61.3

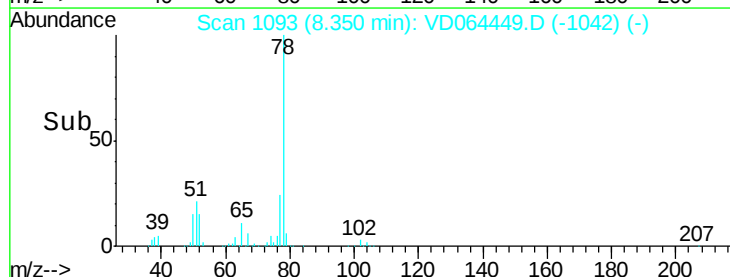
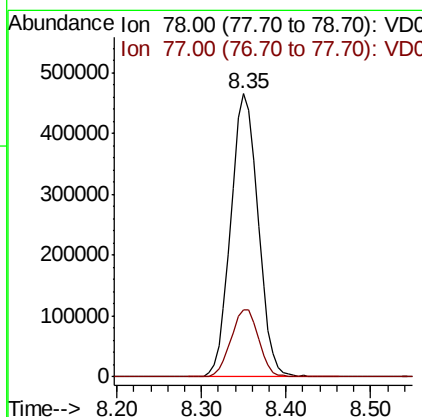
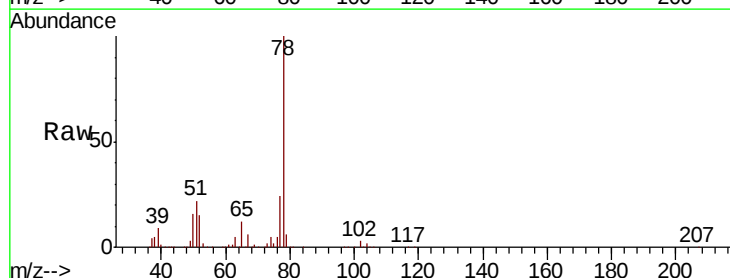
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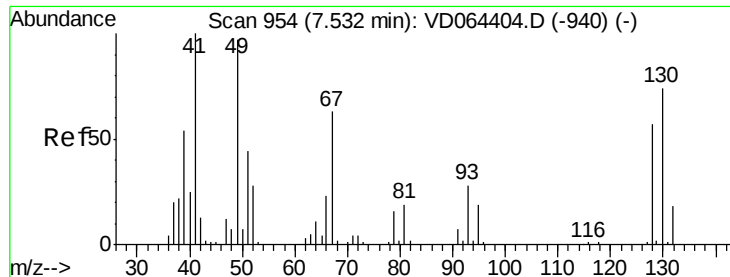
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#40
Benzene
Concen: 51.269 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD064449.D
Acq: 06 Dec 2019 10:21

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.6	29.4





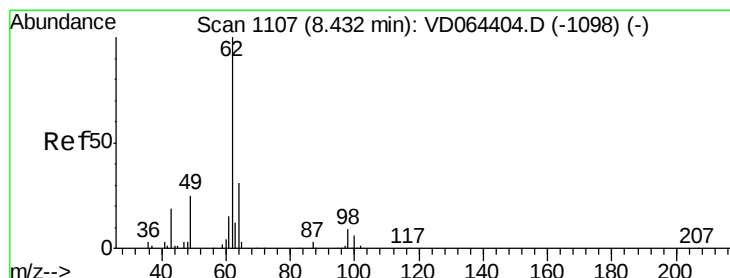
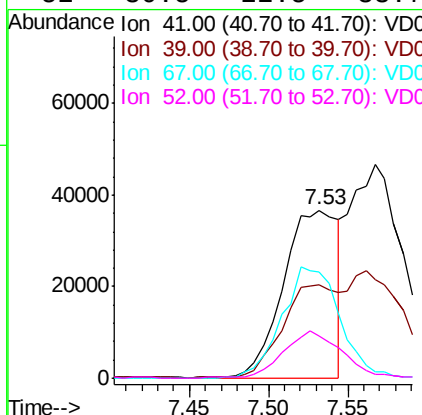
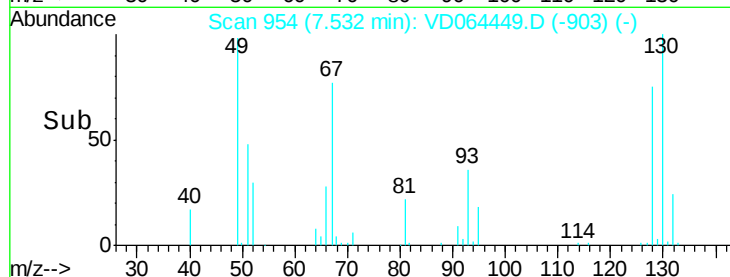
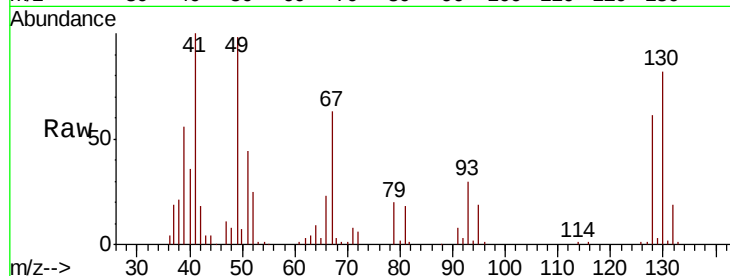
#41
Methacrylonitrile
Concen: 49.777 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.00 min
Lab File: VD064449.D
Acq: 06 Dec 2019 10:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	56.2	44.6	67.0
67	70.1	50.9	76.3
52	30.5	22.5	33.7

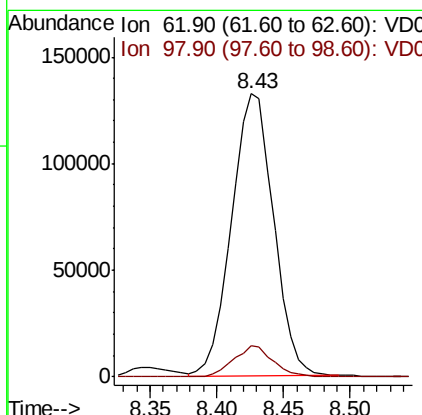
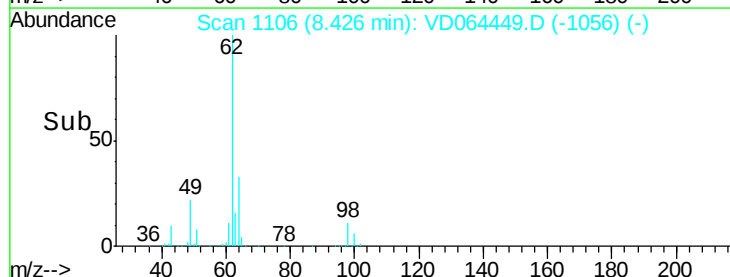
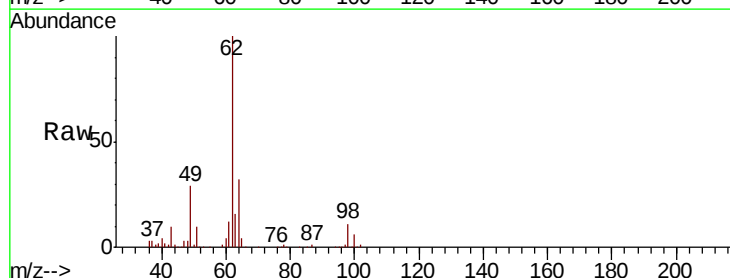
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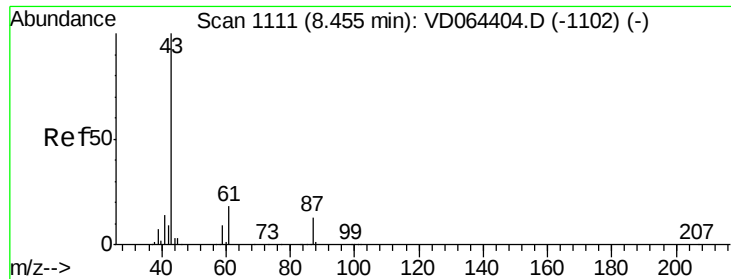
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#42
1,2-Dichloroethane
Concen: 49.016 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD064449.D
Acq: 06 Dec 2019 10:21

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	20.6





#43

Isopropyl Acetate

Concen: 47.972 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD064449.D

Acq: 06 Dec 2019 10:21

Instrument :

MSVOA_D

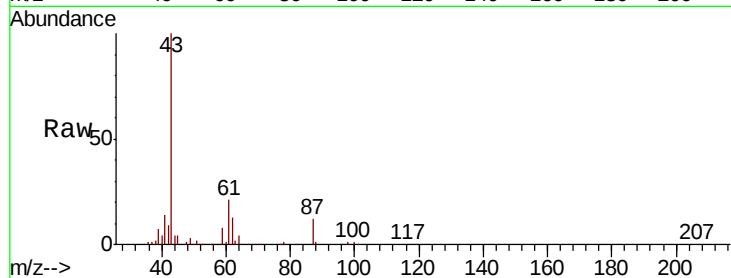
ClientSampleId :

VSTDCCC050

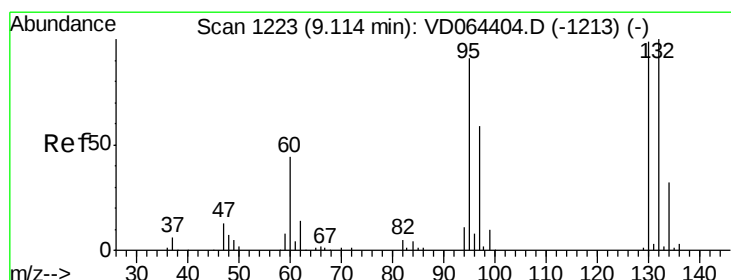
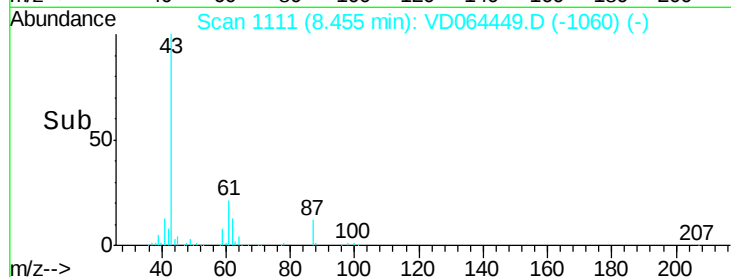
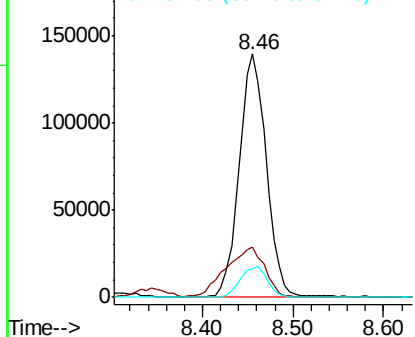
Tot Ion:	43	Resp:	291847
Ion Ratio	Lower	Upper	
43	100		
61	29.7	24.0	36.0
87	12.7	10.6	15.8

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Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 50.045 ug/l

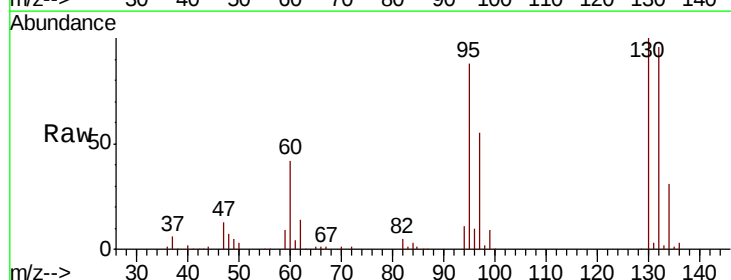
RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

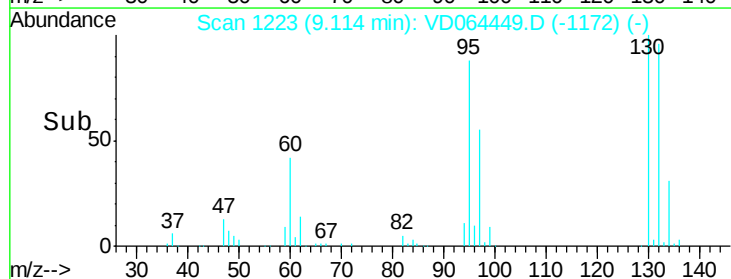
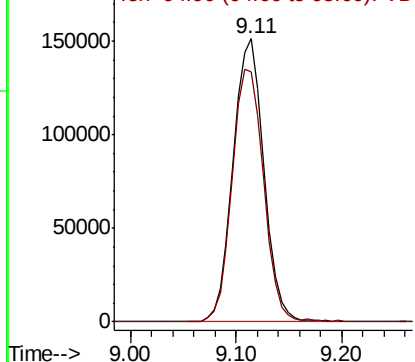
Lab File: VD064449.D

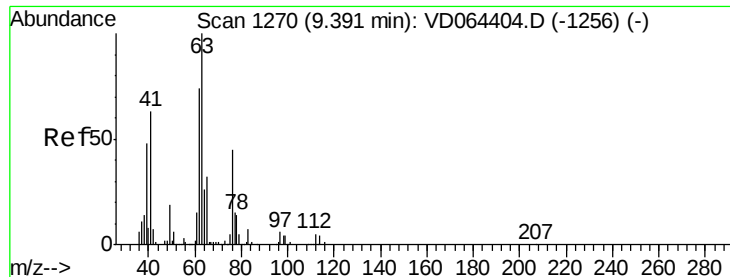
Acq: 06 Dec 2019 10:21

Tgt Ion:	130	Resp:	305315
Ion Ratio	Lower	Upper	
130	100		
95	88.4	0.0	184.6



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 51.271 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064449.D

Acq: 06 Dec 2019 10:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 248340

Ion Ratio Lower Upper

63 100

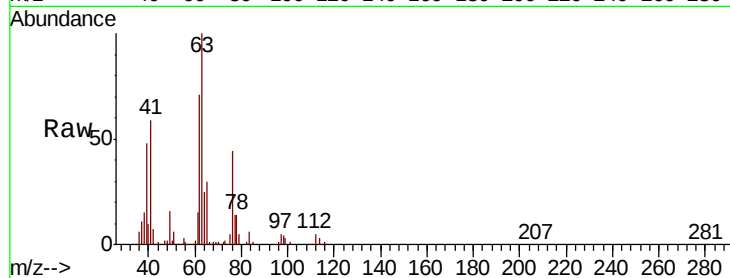
65 30.2 25.4 38.0

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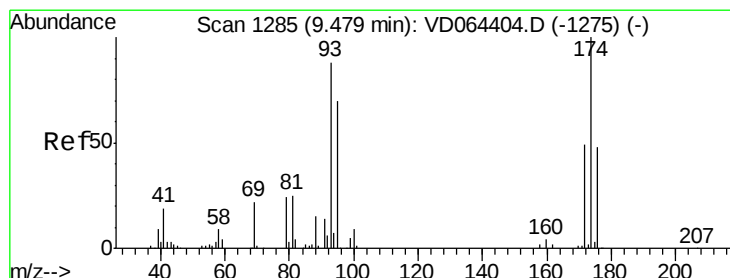
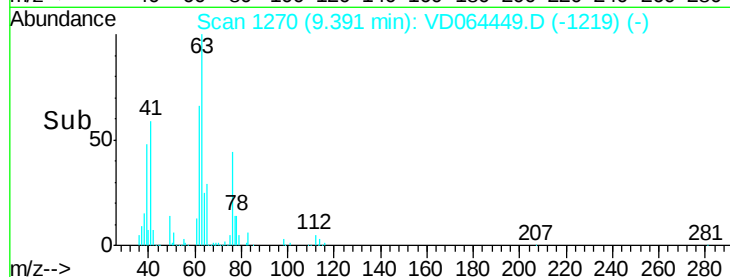
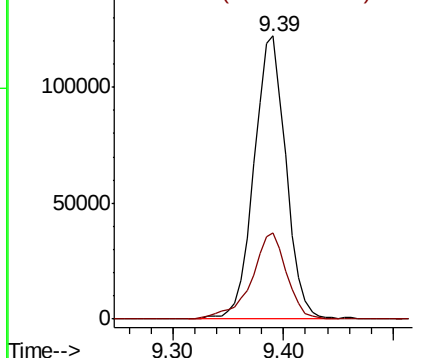
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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 49.785 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.01 min

Lab File: VD064449.D

Acq: 06 Dec 2019 10:21

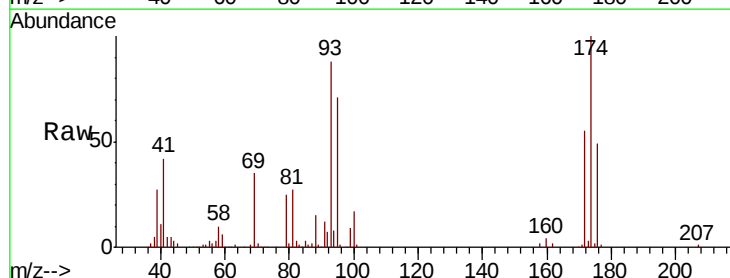
Tgt Ion: 93 Resp: 136102

Ion Ratio Lower Upper

93 100

95 83.0 66.7 100.1

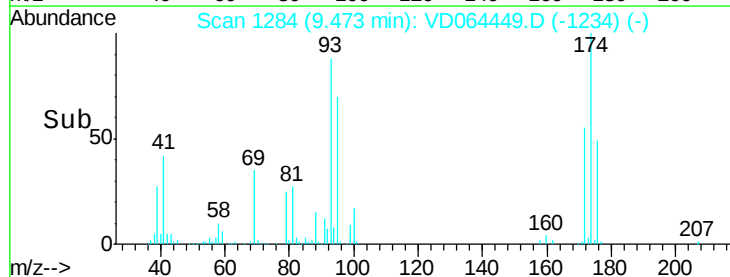
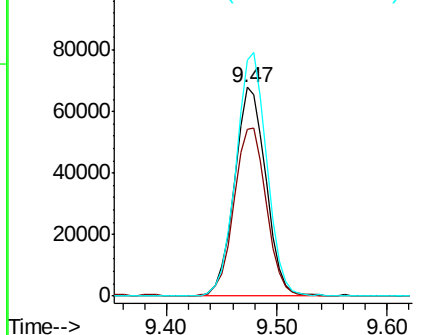
174 114.7 92.3 138.5

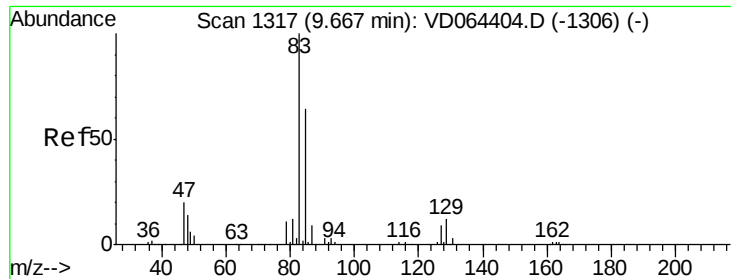


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





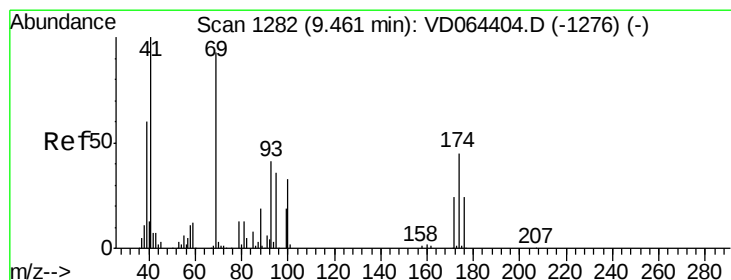
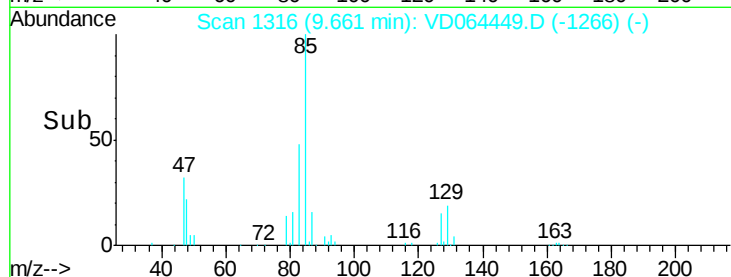
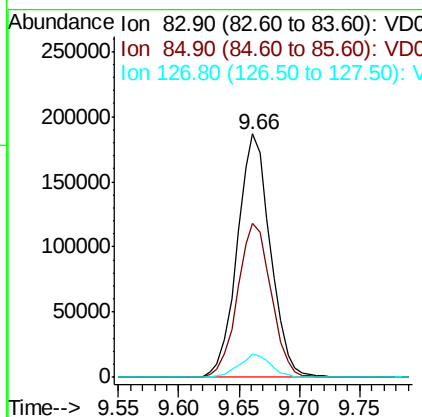
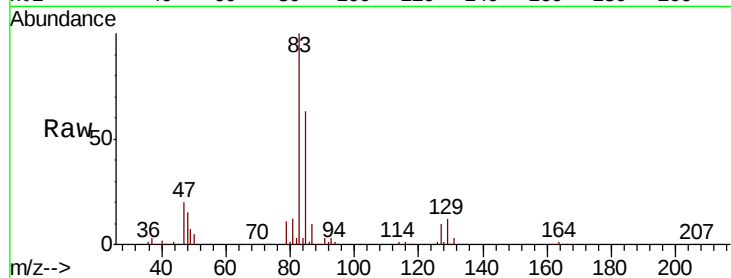
#47
Bromodichloromethane
Concen: 50.716 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. -0.01 min
Lab File: VD064449.D
Acq: 06 Dec 2019 10:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	356249		
85	63.3		51.1	76.7
127	9.6		7.4	11.0

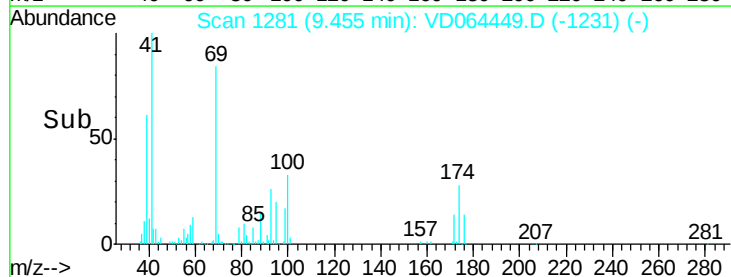
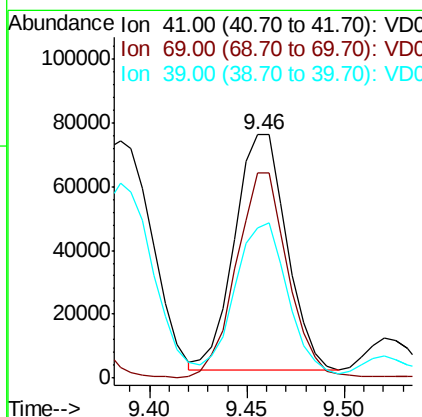
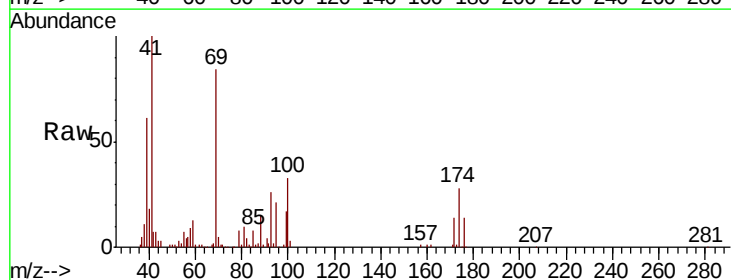
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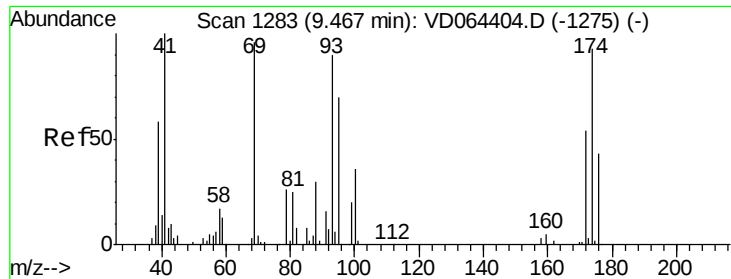
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#48
Methyl methacrylate
Concen: 48.965 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD064449.D
Acq: 06 Dec 2019 10:21

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	136312		
69	85.9		72.0	108.0
39	63.4		55.2	82.8





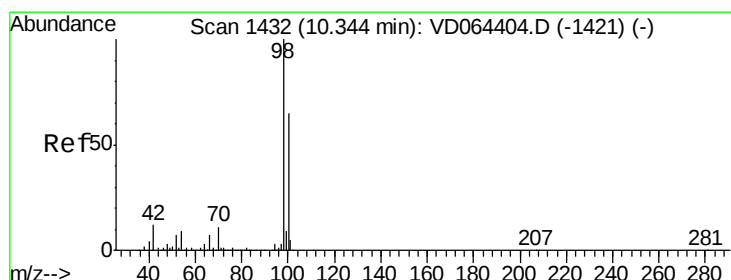
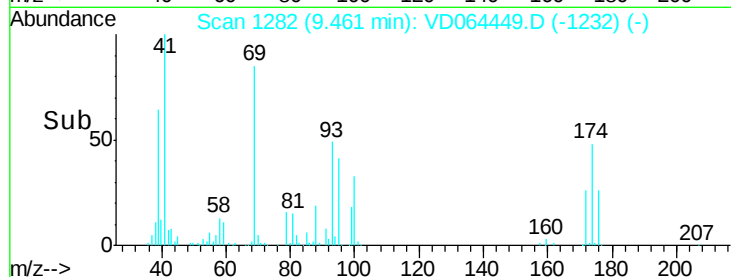
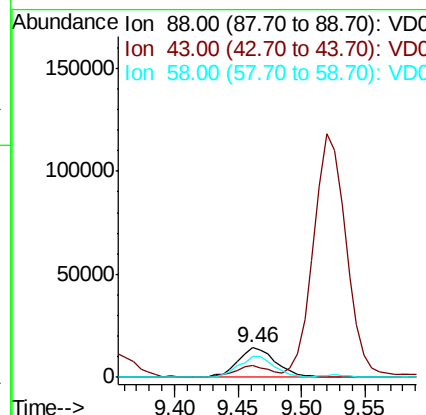
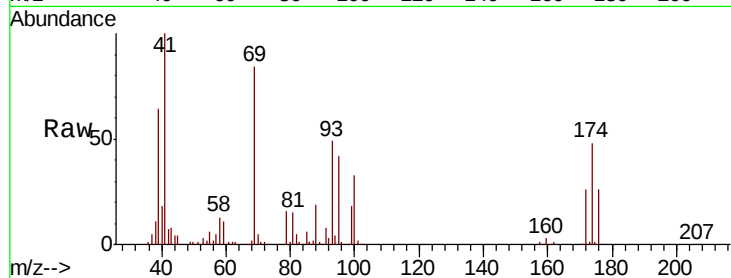
#49
1,4-Dioxane
Concen: 885.800 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD064449.D
Acq: 06 Dec 2019 10:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 29903
Ion Ratio Lower Upper
88 100
43 35.9 26.7 40.1
58 67.6 52.3 78.5

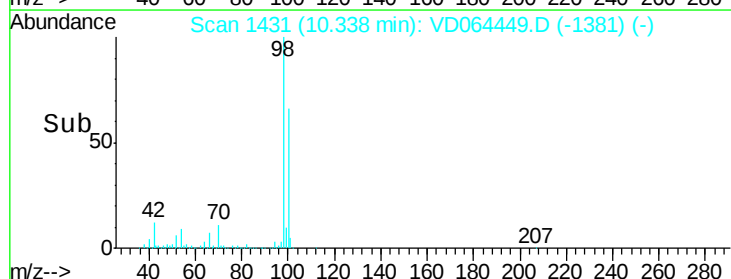
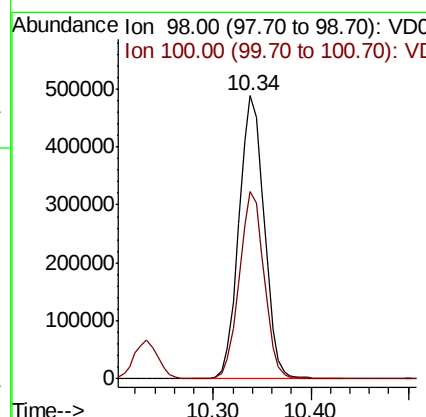
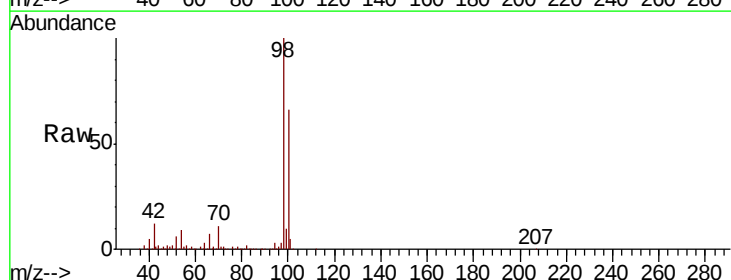
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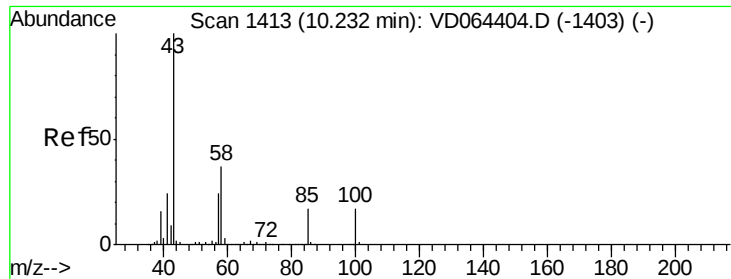
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#50
Toluene-d8
Concen: 48.073 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VD064449.D
Acq: 06 Dec 2019 10:21

Tgt Ion: 98 Resp: 879592
Ion Ratio Lower Upper
98 100
100 65.0 52.6 79.0





#51

4-Methyl-2-Pentanone

Concen: 236.249 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064449.D

Acq: 06 Dec 2019 10:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 711152

Ion Ratio Lower Upper

43 100

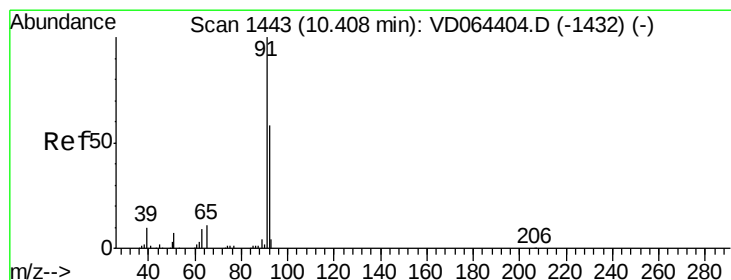
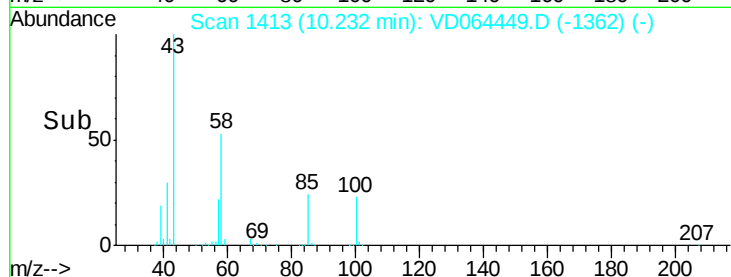
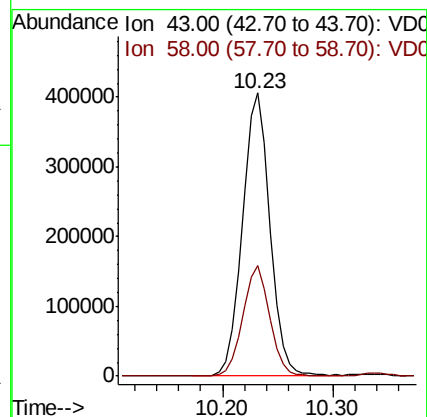
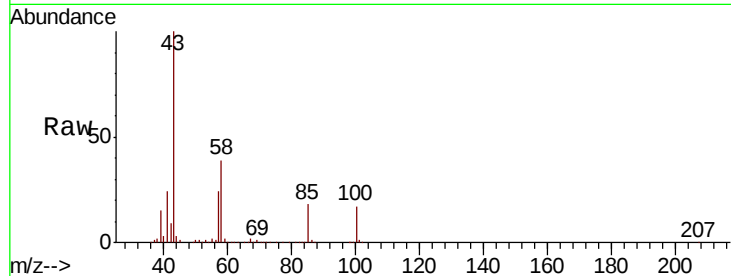
58 38.2 30.6 46.0

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#52

Toluene

Concen: 50.464 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.01 min

Lab File: VD064449.D

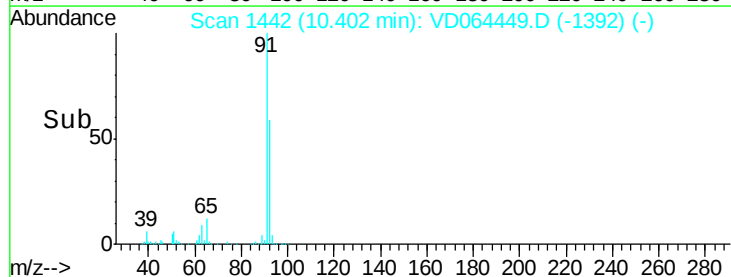
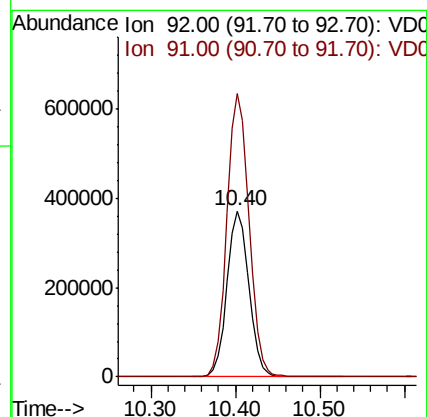
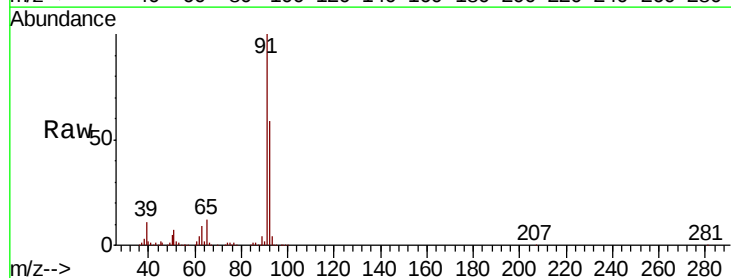
Acq: 06 Dec 2019 10:21

Tgt Ion: 92 Resp: 666080

Ion Ratio Lower Upper

92 100

91 172.4 137.8 206.6





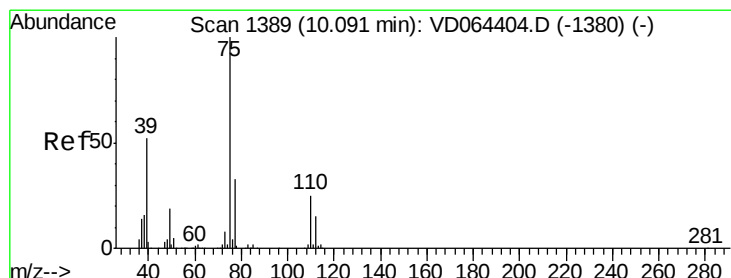
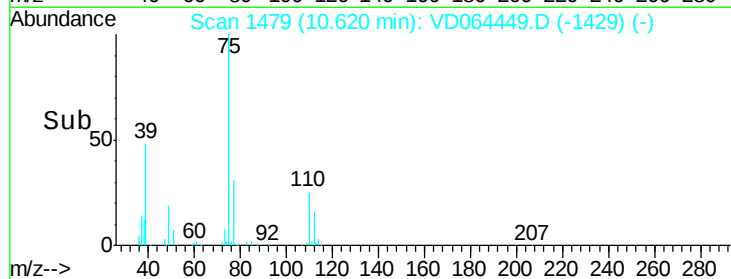
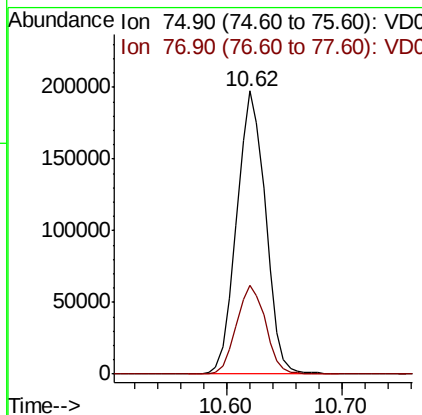
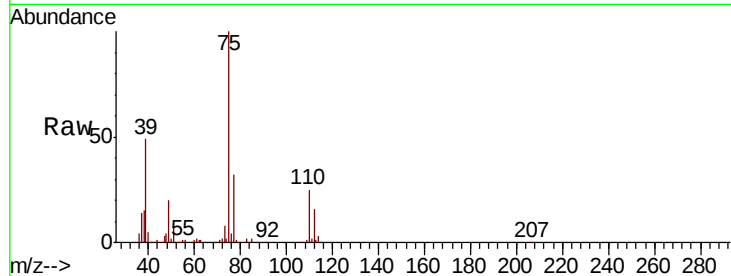
#53
 t-1,3-Dichloropropene
 Concen: 51.147 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. -0.01 min
 Lab File: VD064449.D
 Acq: 06 Dec 2019 10:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 342402
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.0 37.4

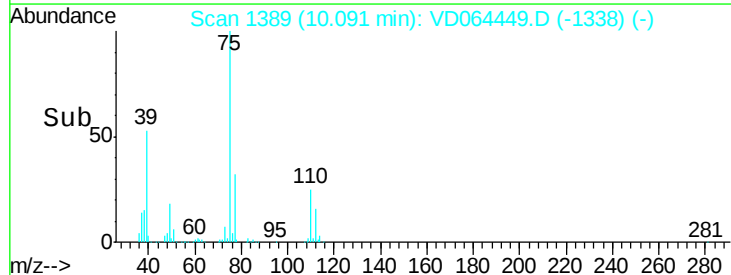
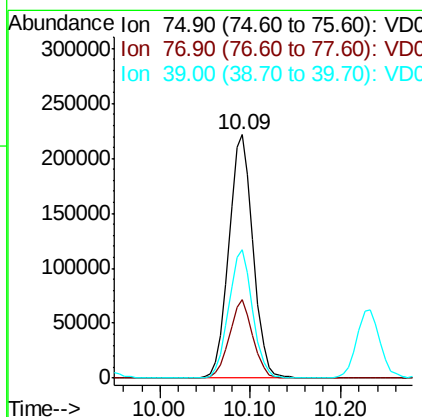
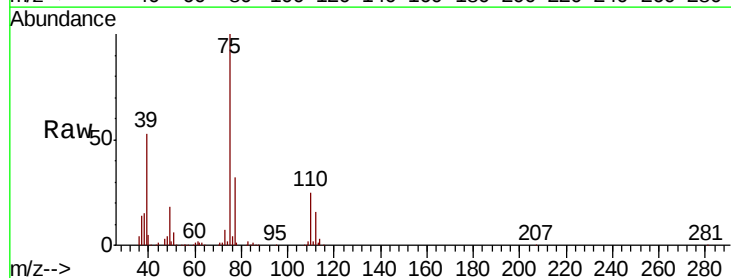
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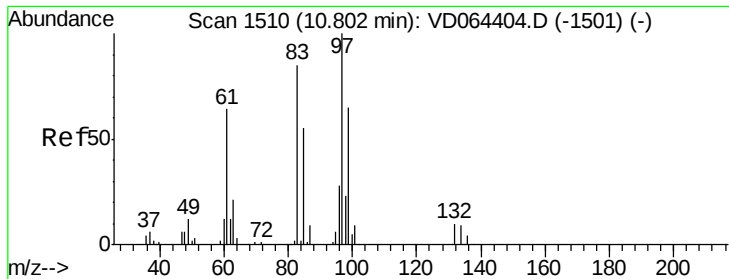
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#54
 cis-1,3-Dichloropropene
 Concen: 51.658 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. 0.00 min
 Lab File: VD064449.D
 Acq: 06 Dec 2019 10:21

Tgt Ion: 75 Resp: 410826
 Ion Ratio Lower Upper
 75 100
 77 32.2 26.1 39.1
 39 52.7 41.5 62.3





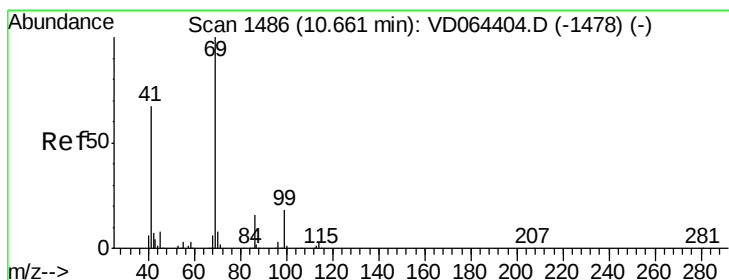
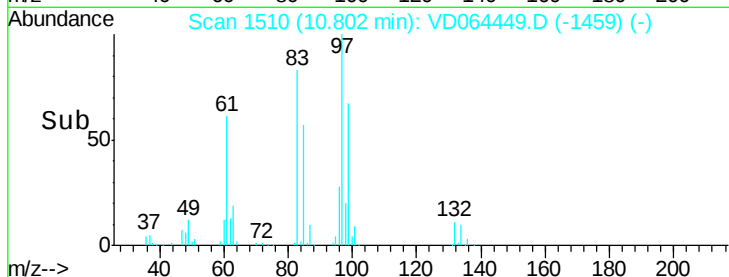
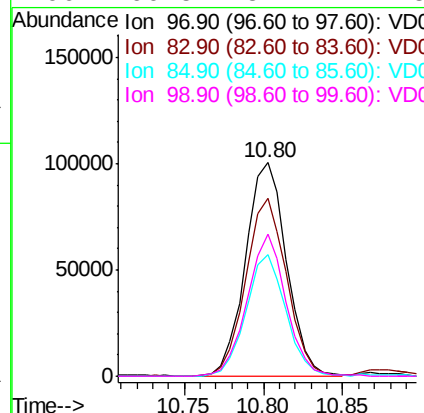
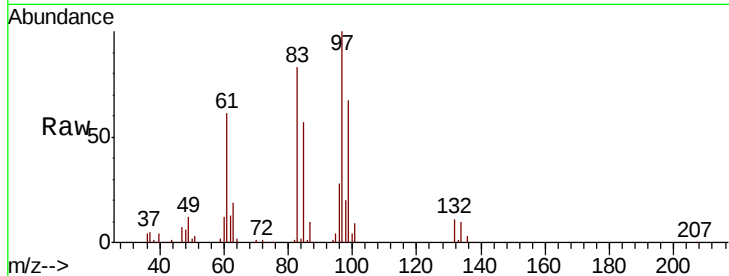
#55
 1,1,2-Trichloroethane
 Concen: 48.499 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064449.D
 Acq: 06 Dec 2019 10:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	181549
Ion	Ratio	Lower	Upper
97	100		
83	83.1	67.8	101.8
85	57.0	43.7	65.5
99	66.5	51.7	77.5

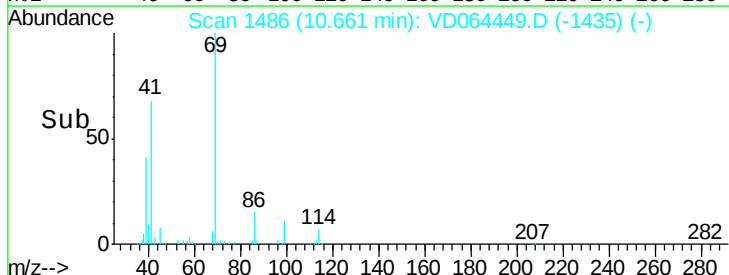
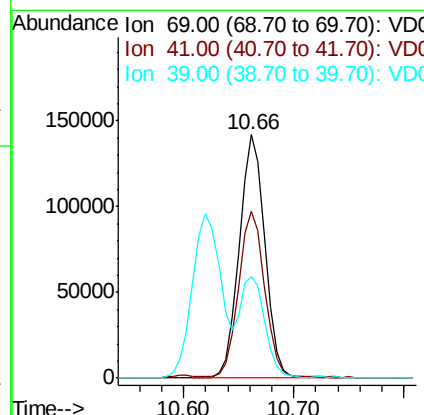
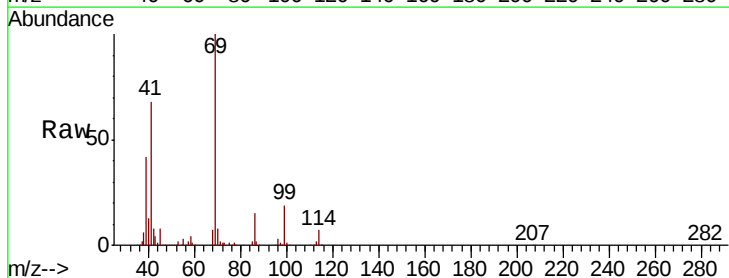
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#56
 Ethyl methacrylate
 Concen: 48.774 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD064449.D
 Acq: 06 Dec 2019 10:21

Tgt Ion:	69	Resp:	232868
Ion	Ratio	Lower	Upper
69	100		
41	68.8	55.0	82.4
39	40.0	33.0	49.6





#57

1,3-Dichloropropane

Concen: 49.404 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064449.D

Acq: 06 Dec 2019 10:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 314811

Ion Ratio Lower Upper

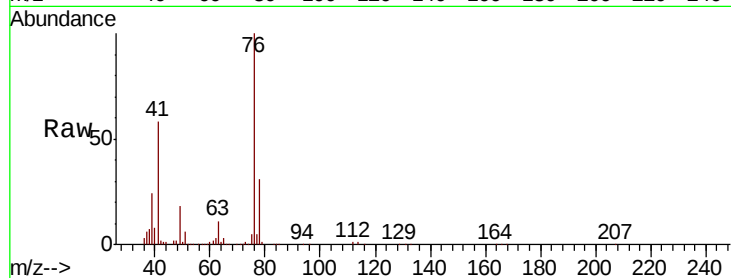
76 100

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

200000

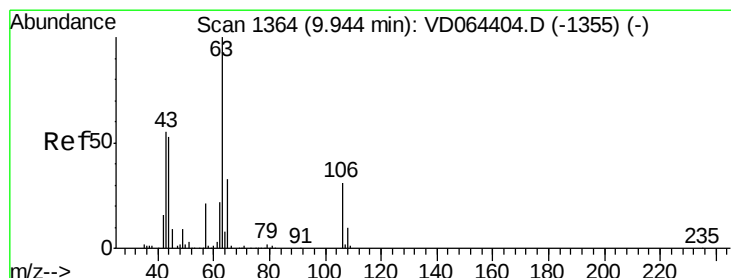
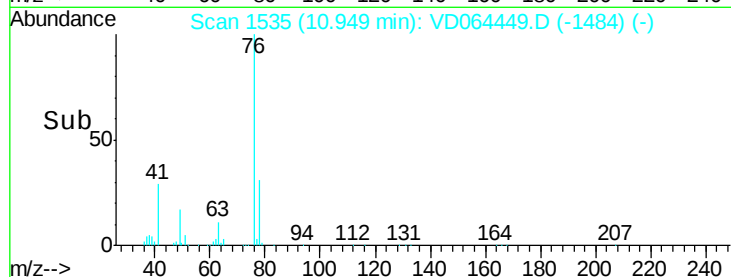
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 219.436 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD064449.D

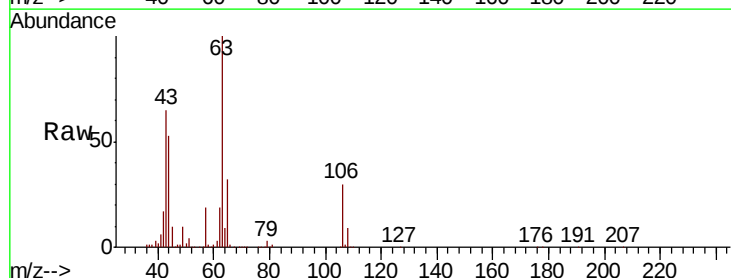
Acq: 06 Dec 2019 10:21

Tgt Ion: 63 Resp: 417643

Ion Ratio Lower Upper

63 100

106 30.6 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

250000

200000

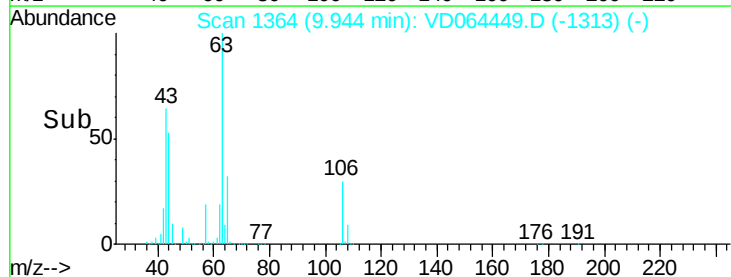
150000

100000

50000

0

Time-->





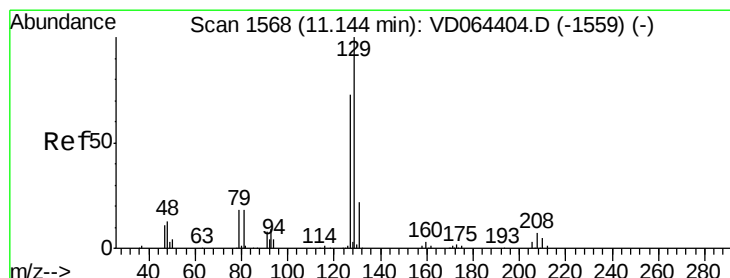
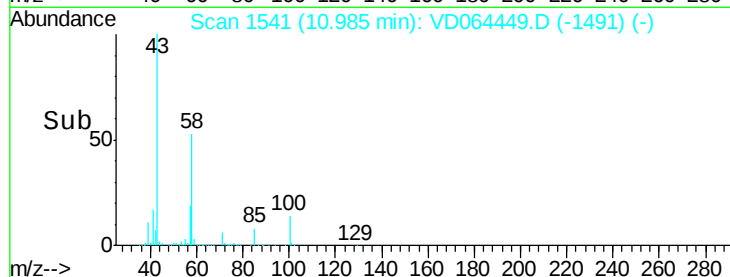
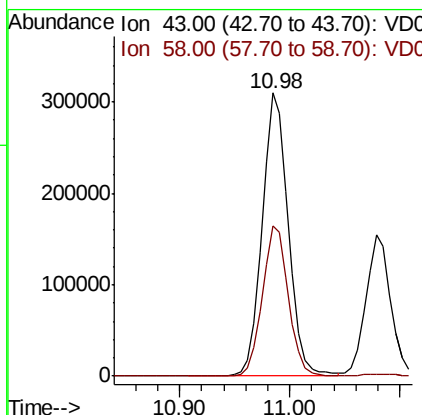
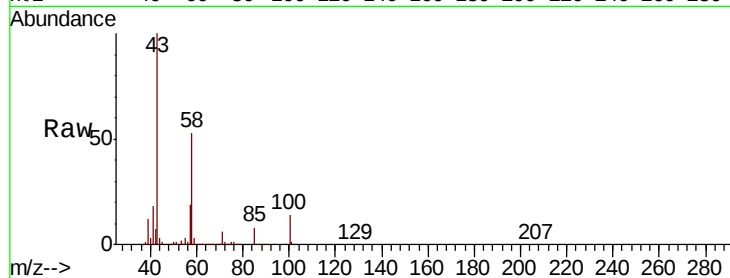
#59
2-Hexanone
Concen: 245.641 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD064449.D
Acq: 06 Dec 2019 10:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 513078
Ion Ratio Lower Upper
43 100
58 52.9 26.3 78.8

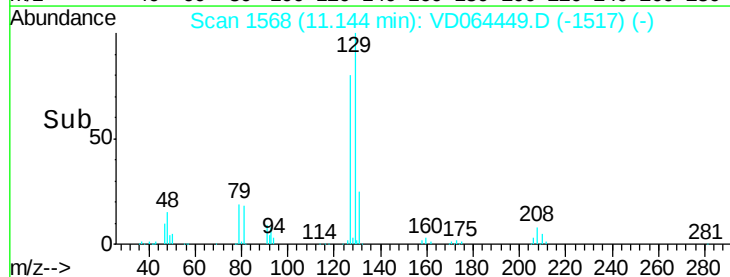
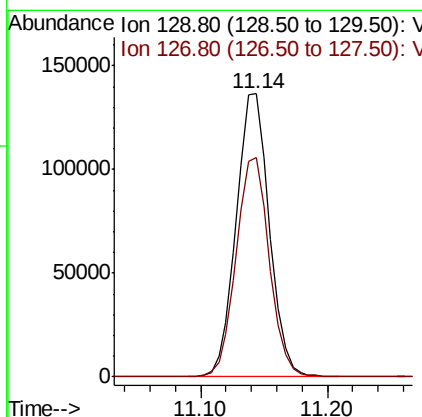
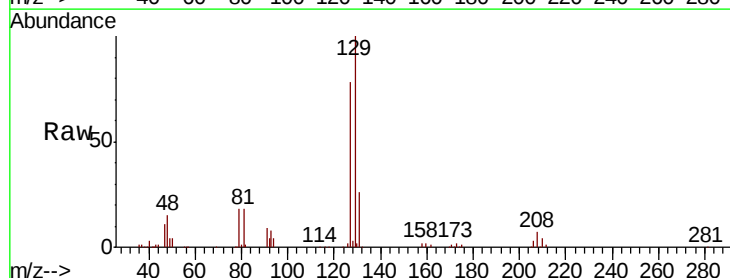
Manual Integrations
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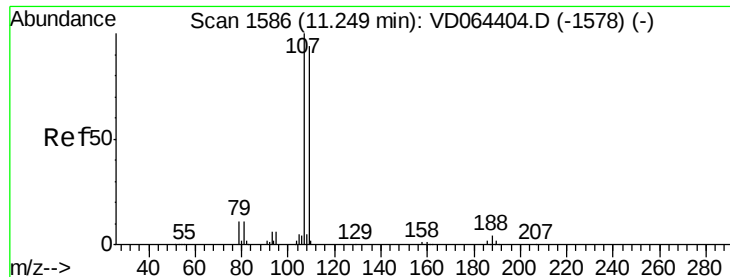
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#60
Dibromochloromethane
Concen: 48.822 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064449.D
Acq: 06 Dec 2019 10:21

Tgt Ion: 129 Resp: 247789
Ion Ratio Lower Upper
129 100
127 77.6 38.1 114.3





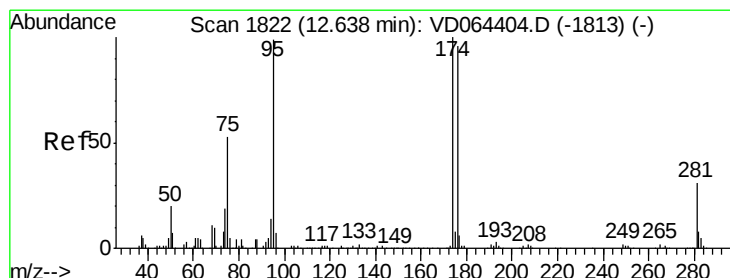
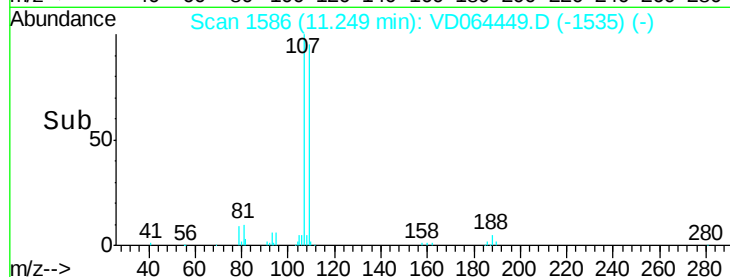
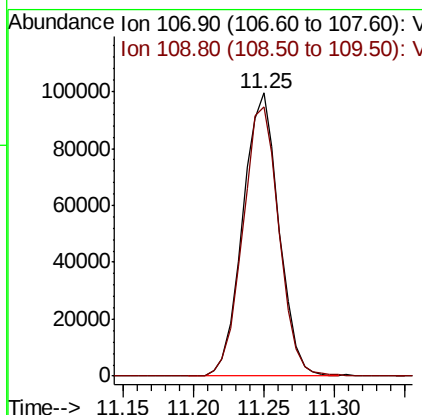
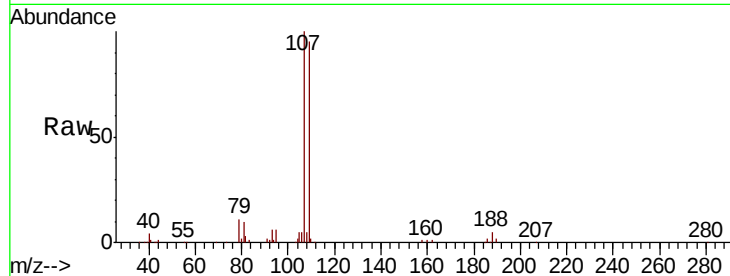
#61
 1,2-Dibromoethane
 Concen: 47.602 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064449.D
 Acq: 06 Dec 2019 10:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.2	76.2	114.2

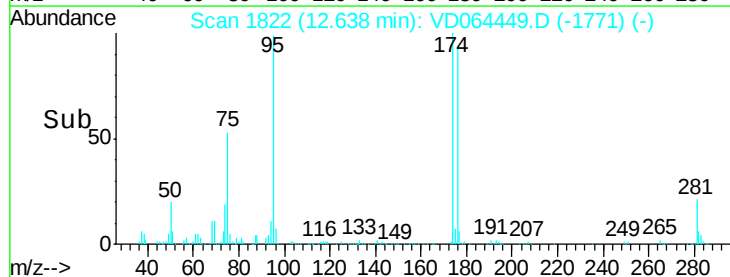
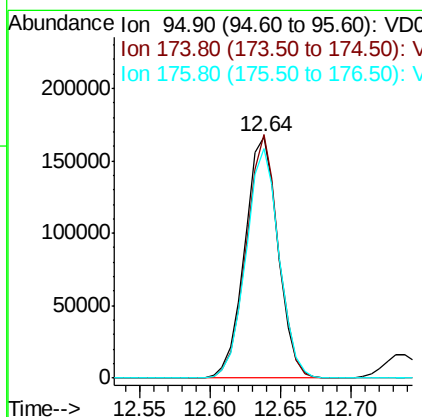
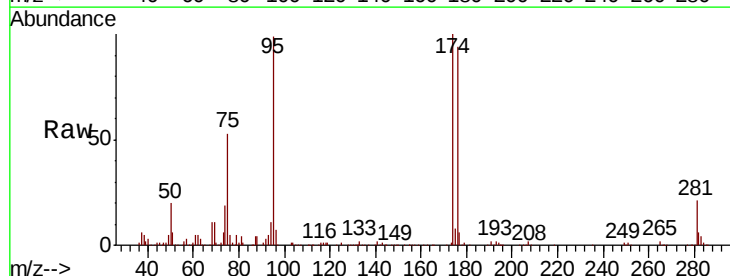
Manual Integrations
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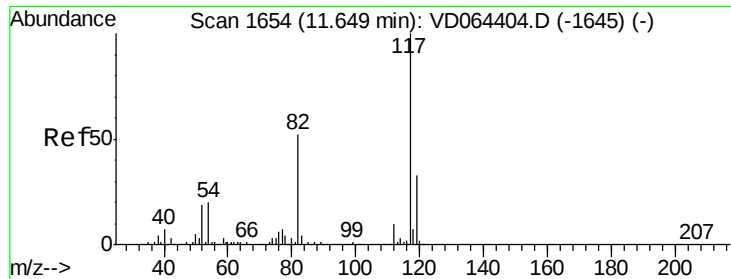
apatel
 12/9/2019 2:03:42 PM



#62
 4-Bromofluorobenzene
 Concen: 46.891 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064449.D
 Acq: 06 Dec 2019 10:21

Tgt Ion	Ratio	Lower	Upper
95	100		
174	97.2	0.0	197.2
176	94.4	0.0	189.6





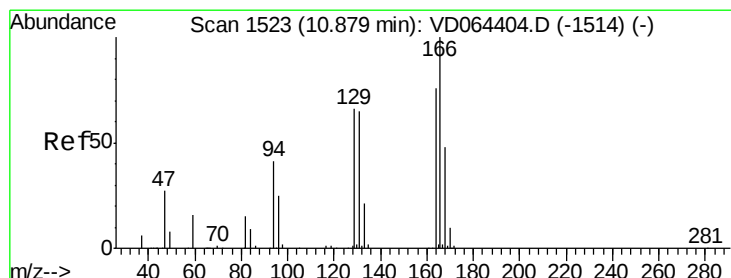
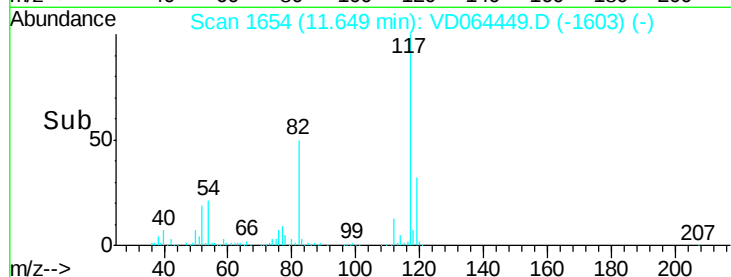
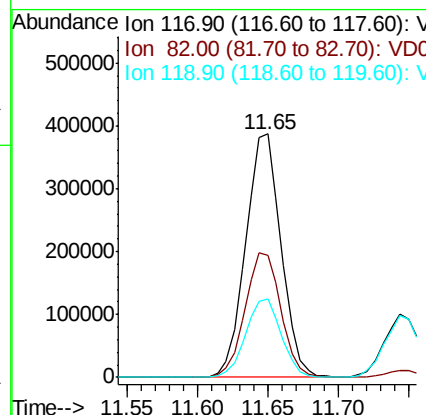
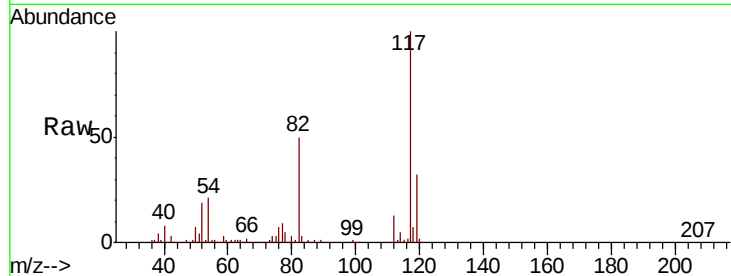
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064449.D
Acq: 06 Dec 2019 10:21

Instrument :
MSVOA_D
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	49.9	41.4	62.2
119	32.2	26.2	39.2

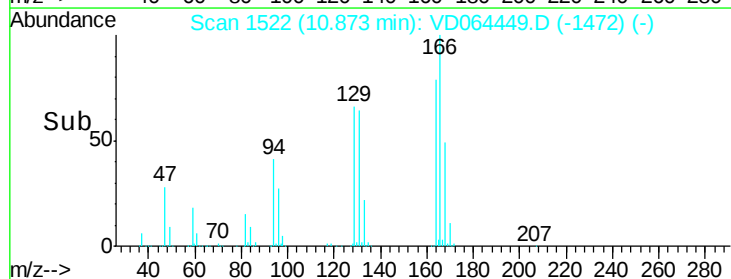
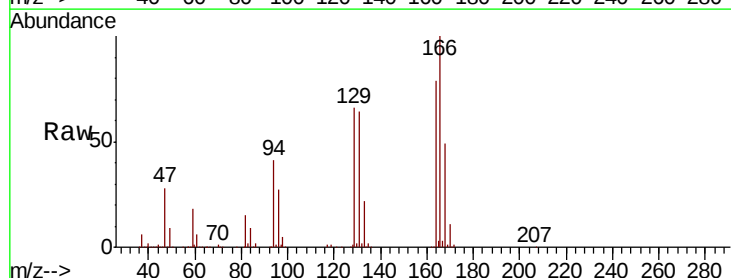
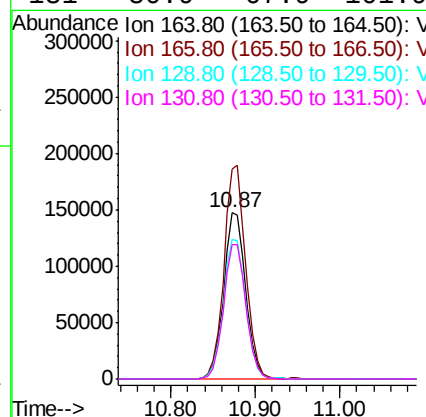
Manual Integrations
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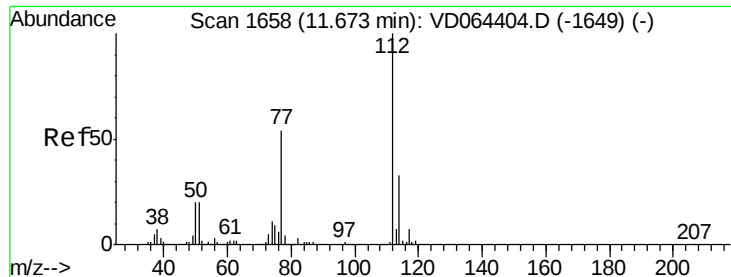
apatel
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#64
Tetrachloroethene
Concen: 51.394 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.01 min
Lab File: VD064449.D
Acq: 06 Dec 2019 10:21

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.6	104.8	157.2
129	84.2	68.7	103.1
131	80.9	67.9	101.9





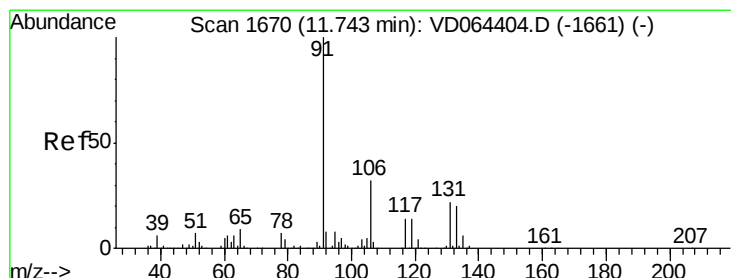
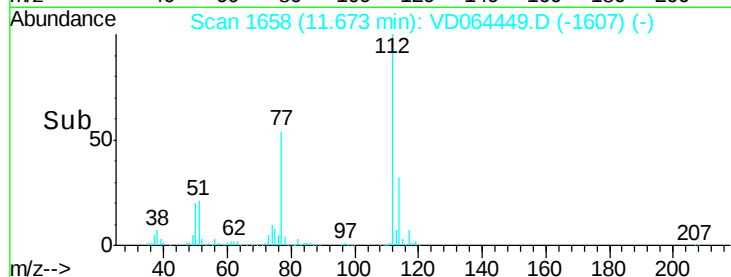
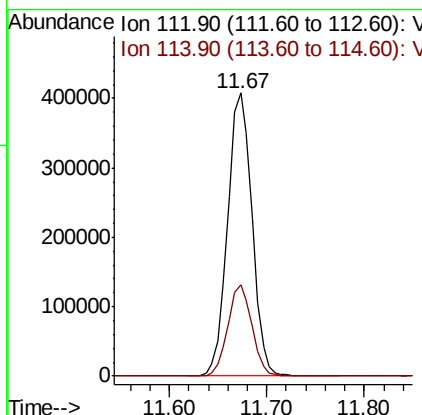
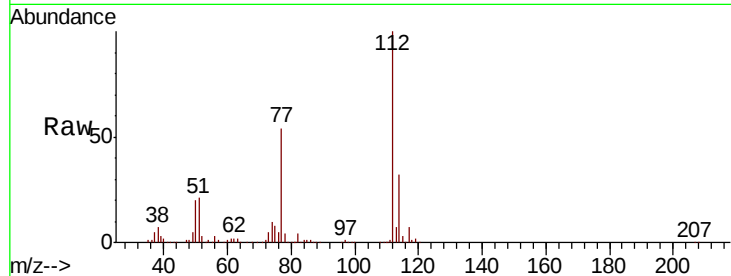
#65
Chlorobenzene
Concen: 49.900 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064449.D
Acq: 06 Dec 2019 10:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.2	26.5	39.7

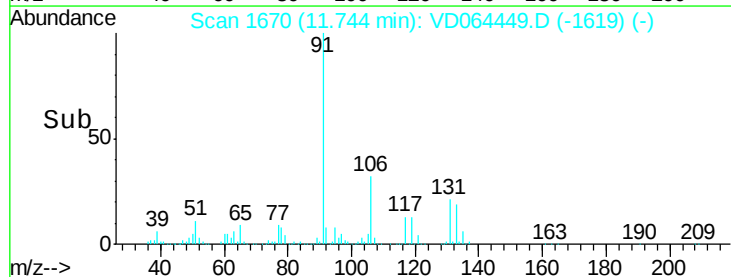
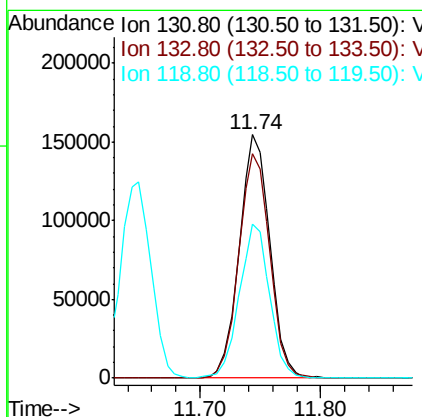
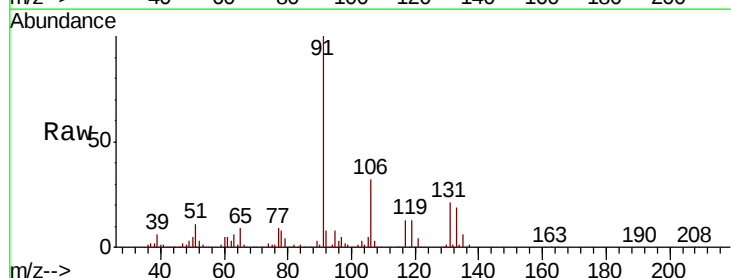
Manual Integrations
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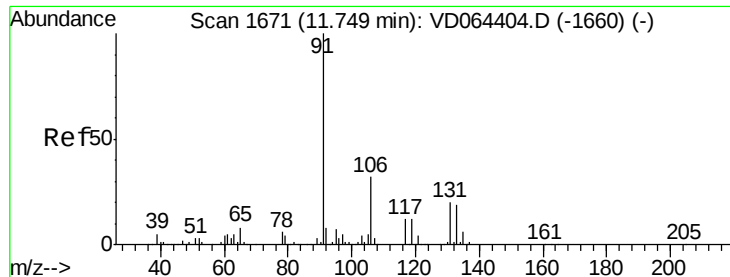
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.862 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD064449.D
Acq: 06 Dec 2019 10:21

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.6	48.3	144.9
119	62.8	31.9	95.9





#67

Ethyl Benzene

Concen: 50.742 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064449.D

Acq: 06 Dec 2019 10:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1280133

Ion Ratio Lower Upper

91 100

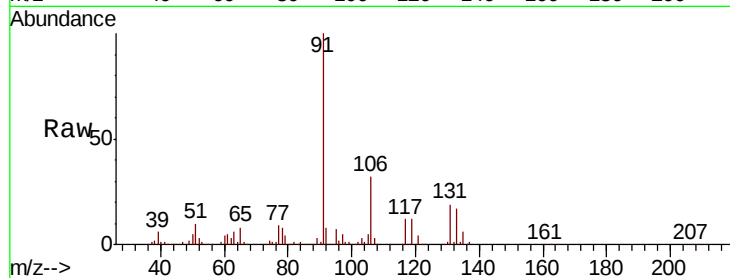
106 32.0 25.8 38.8

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

1200000

800000

600000

400000

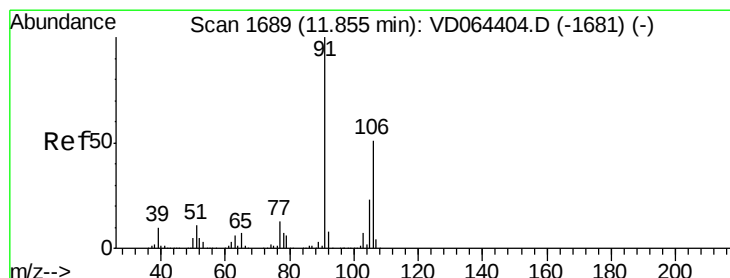
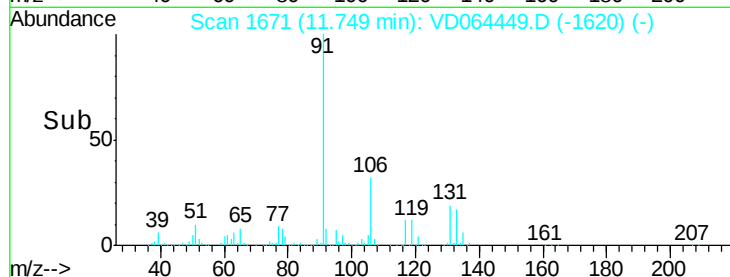
200000

0

11.75

11.80

Time-->



#68

m/p-Xylenes

Concen: 102.617 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064449.D

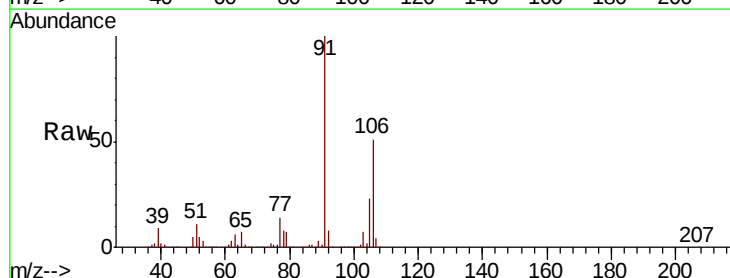
Acq: 06 Dec 2019 10:21

Tgt Ion: 106 Resp: 987093

Ion Ratio Lower Upper

106 100

91 199.0 157.4 236.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VDC

1200000

800000

600000

400000

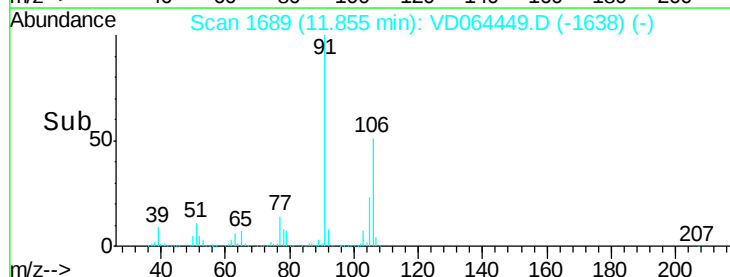
200000

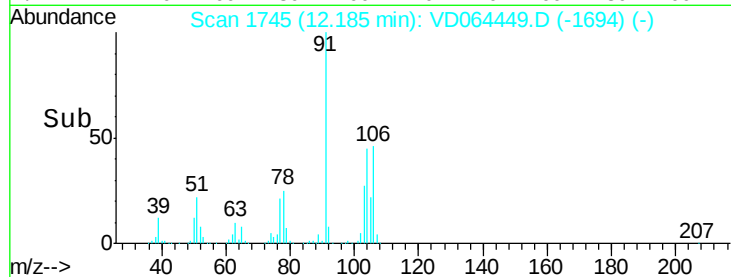
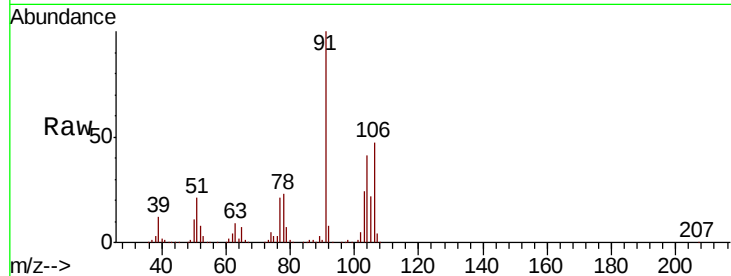
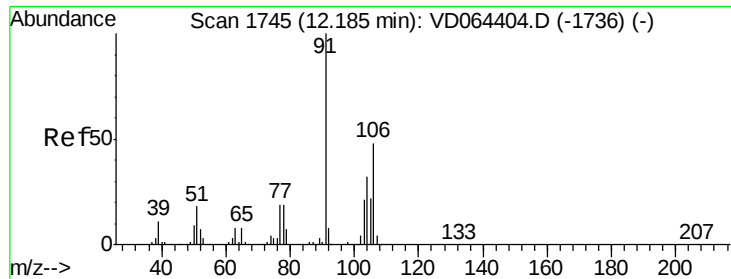
0

11.86

11.90

Time-->





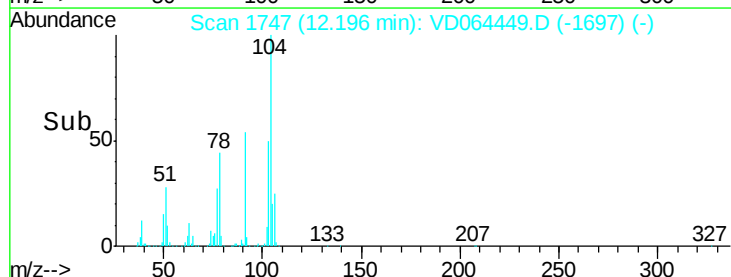
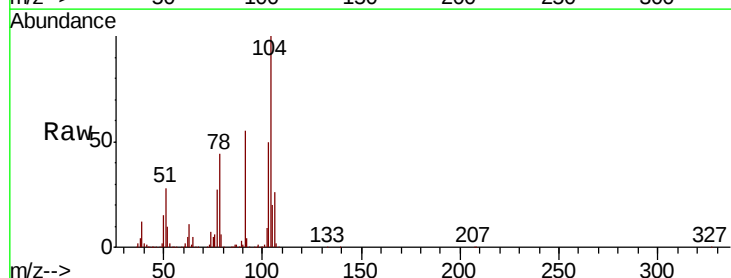
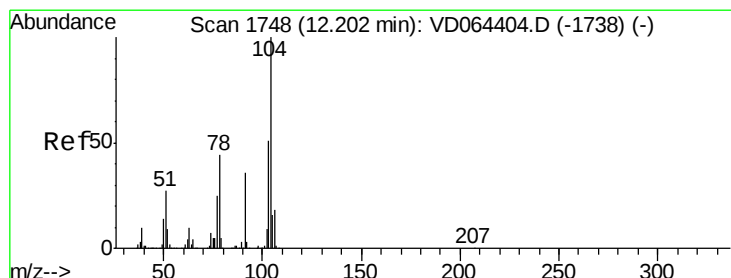
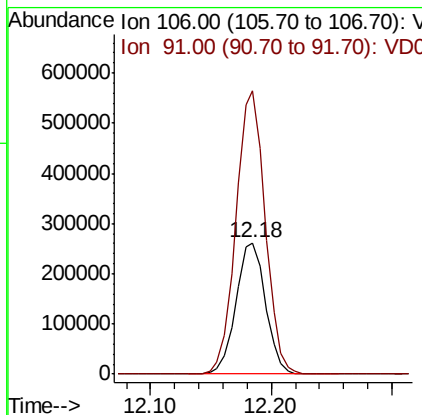
#69
o-Xylene
Concen: 50.375 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064449.D
Acq: 06 Dec 2019 10:21

Tot Ion:106 Resp: 447522
Ion Ratio Lower Upper
106 100
91 212.7 103.8 311.4

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

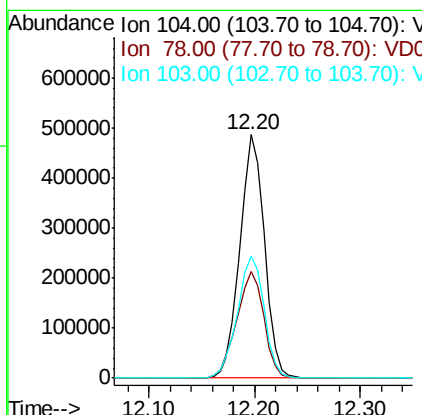
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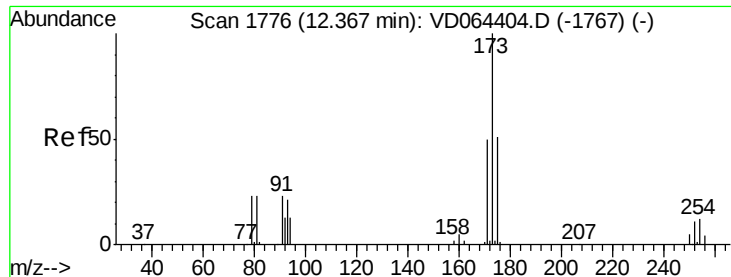
apatel
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#70
Styrene
Concen: 50.867 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD064449.D
Acq: 06 Dec 2019 10:21

Tgt Ion:104 Resp: 785282
Ion Ratio Lower Upper
104 100
78 48.3 38.8 58.2
103 54.5 44.2 66.4





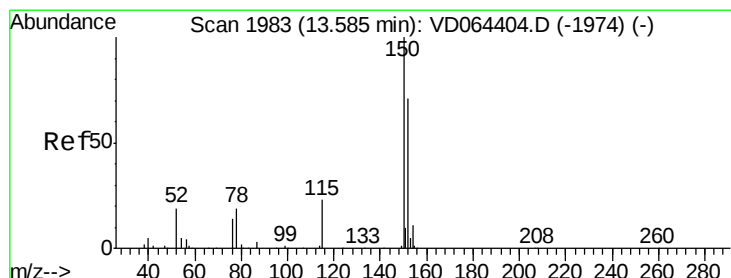
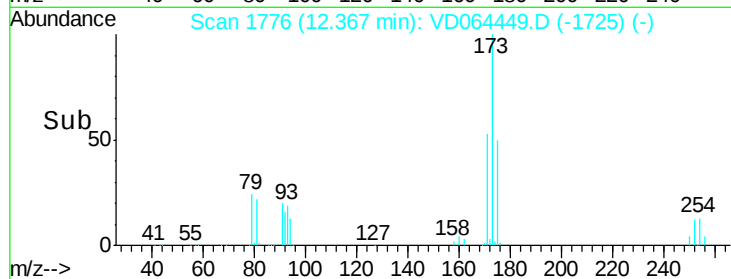
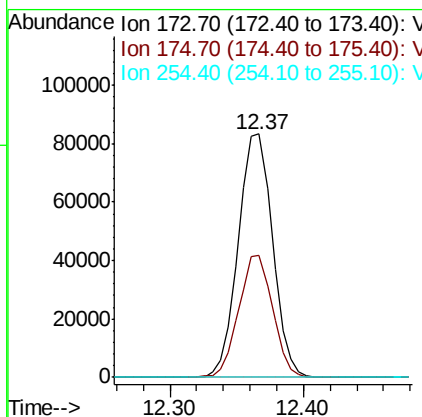
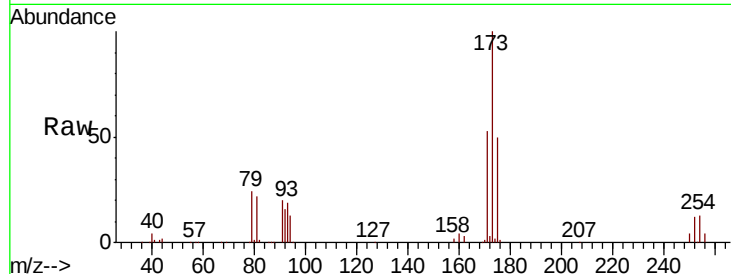
#71
Bromoform
Concen: 47.275 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD064449.D
Acq: 06 Dec 2019 10:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.7	25.3	75.8
254	0.1	0.0	0.0

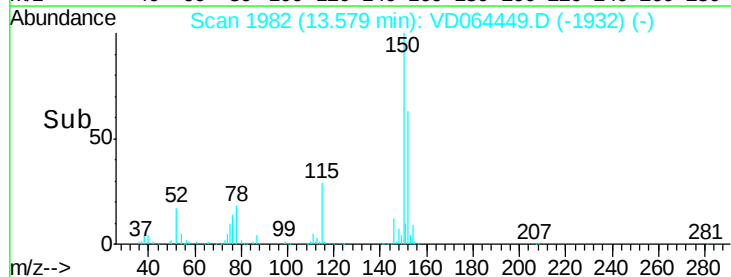
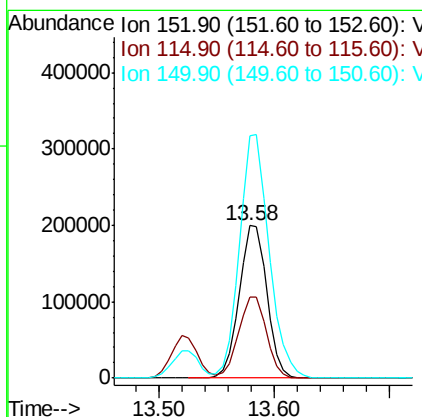
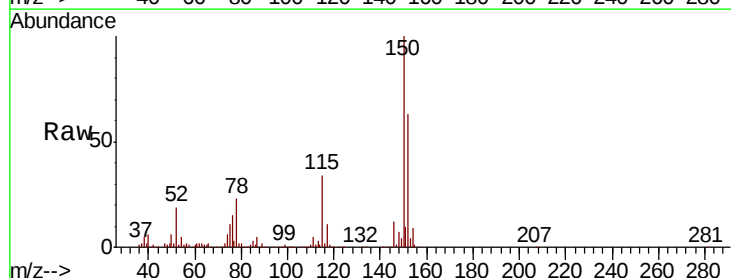
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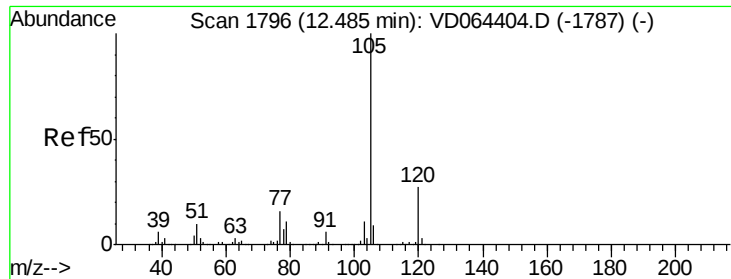
apatel
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD064449.D
Acq: 06 Dec 2019 10:21

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.8	26.7	80.1
150	171.0	0.0	347.2





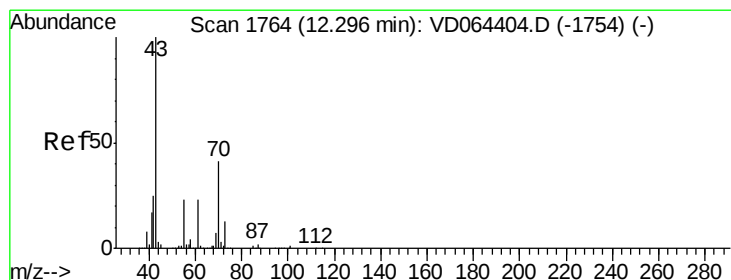
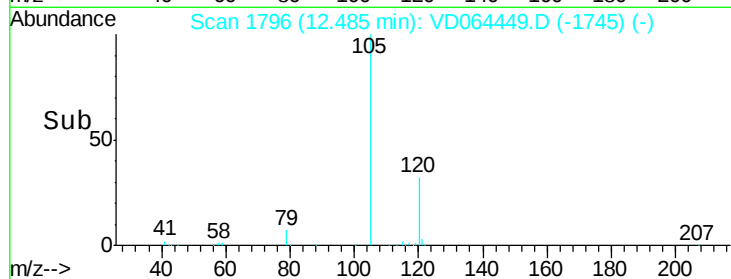
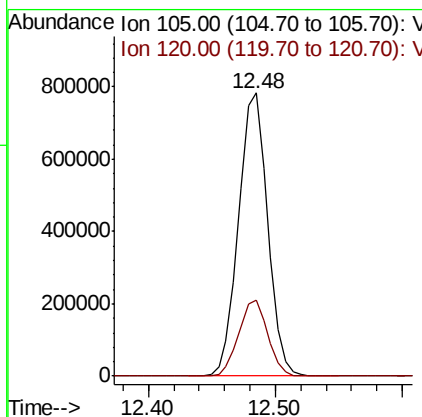
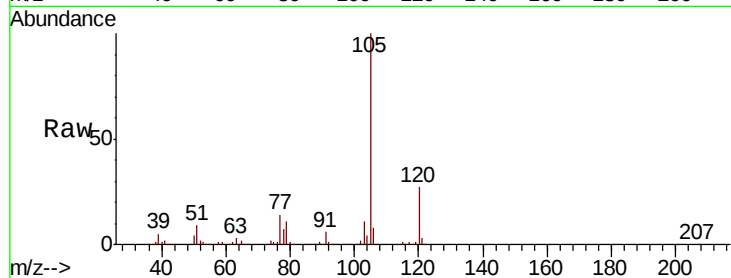
#73
Isopropylbenzene
Concen: 52.273 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD064449.D
Acq: 06 Dec 2019 10:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:105 Resp: 1248468
Ion Ratio Lower Upper
105 100
120 26.9 13.4 40.2

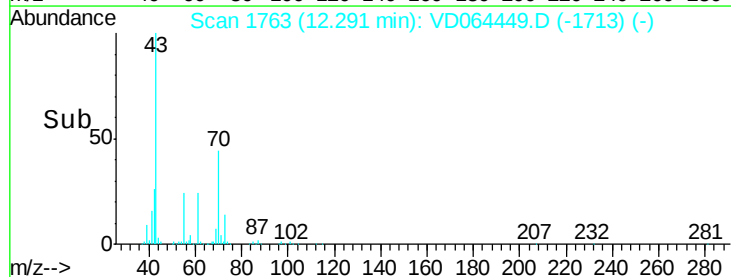
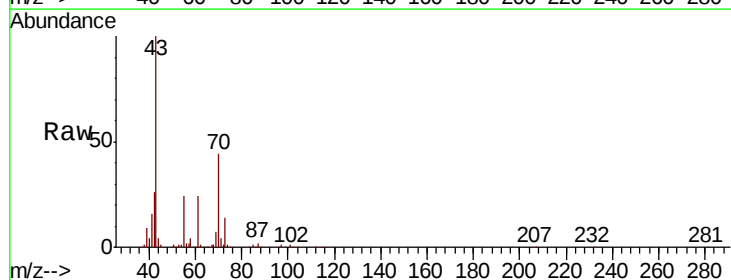
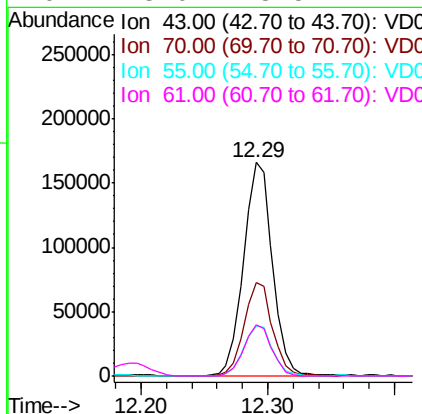
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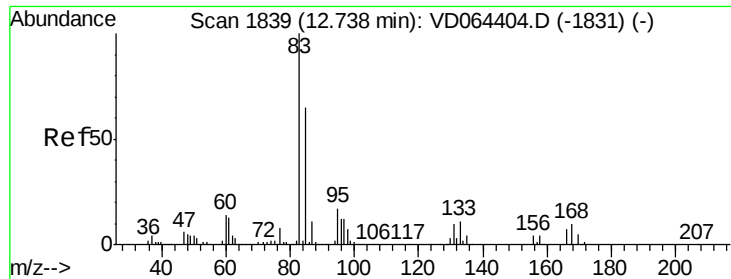
apatel
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#74
N-ethyl acetate
Concen: 48.351 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. -0.01 min
Lab File: VD064449.D
Acq: 06 Dec 2019 10:21

Tgt Ion: 43 Resp: 262093
Ion Ratio Lower Upper
43 100
70 42.9 33.4 50.2
55 23.9 18.9 28.3
61 23.0 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 46.551 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064449.D

Acq: 06 Dec 2019 10:21

Instrument :

MSVOA_D

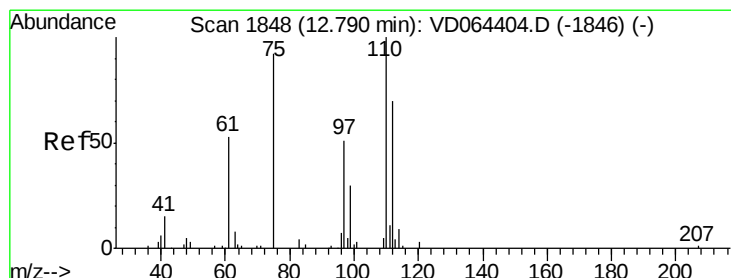
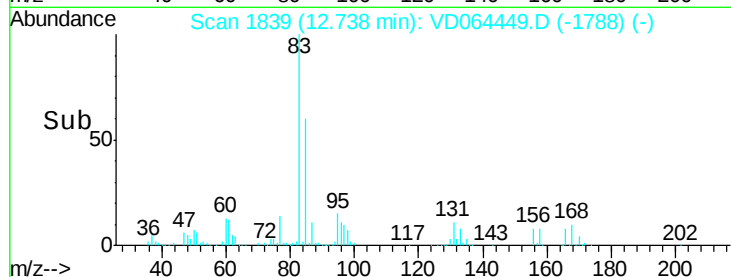
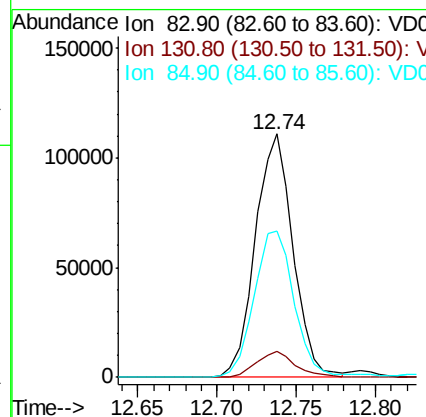
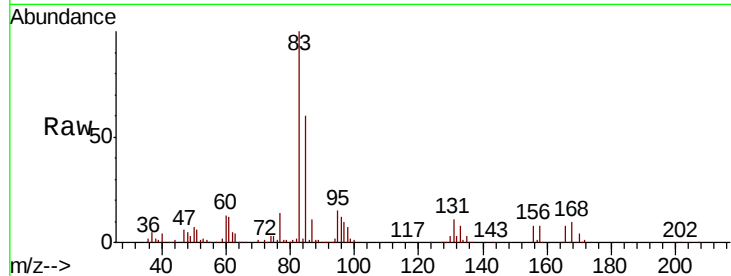
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	183856
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.7	17.0
85	63.6	31.3	93.9

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#76

1,2,3-Trichloropropane

Concen: 49.978 ug/l m

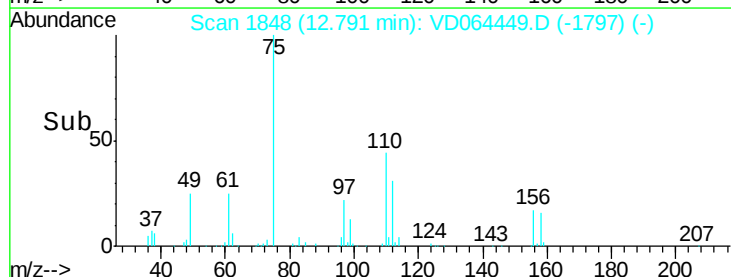
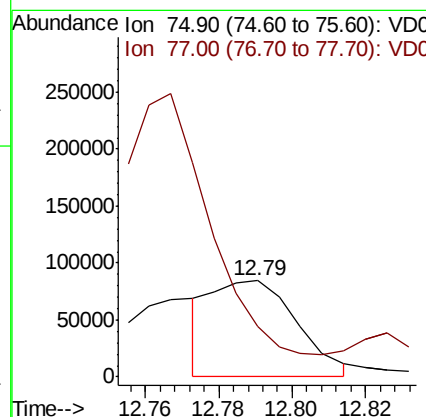
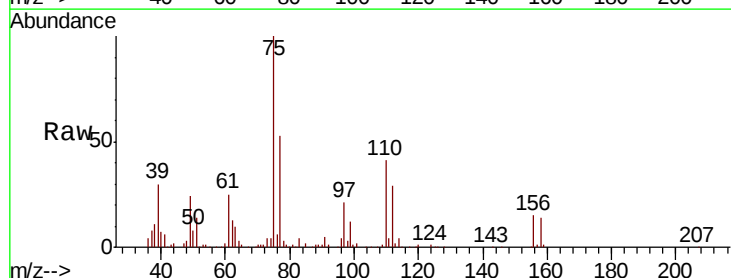
RT: 12.79 min Scan# 1848

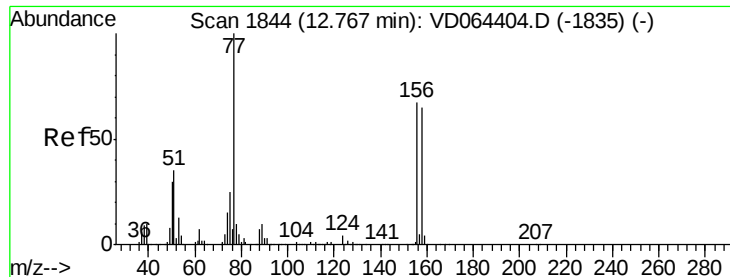
Delta R.T. 0.00 min

Lab File: VD064449.D

Acq: 06 Dec 2019 10:21

Tgt Ion:	75	Resp:	136485
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 51.280 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064449.D

Acq: 06 Dec 2019 10:21

Instrument :

MSVOA_D

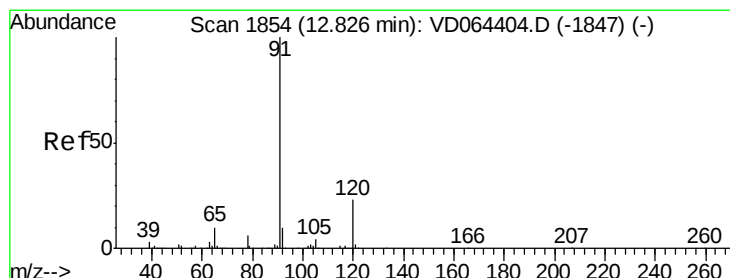
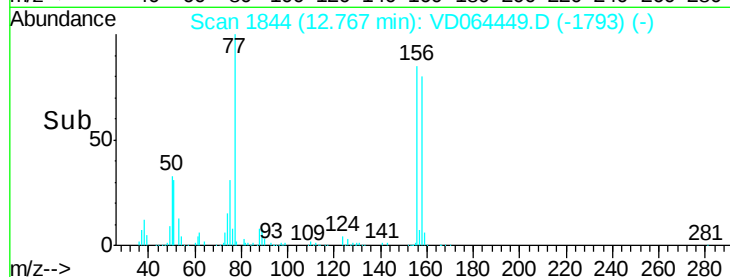
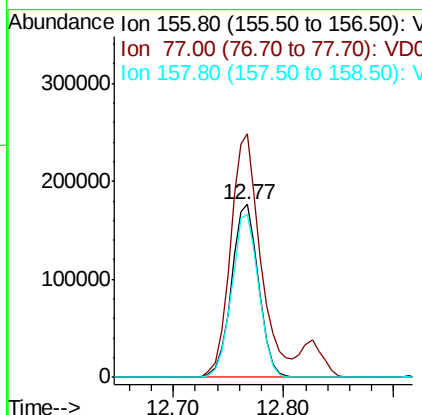
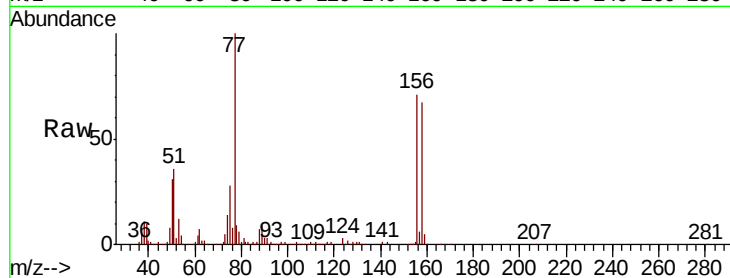
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	156.8	80.0	240.2	
158	94.2	48.9	146.6	

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#78

n-propylbenzene

Concen: 52.272 ug/l

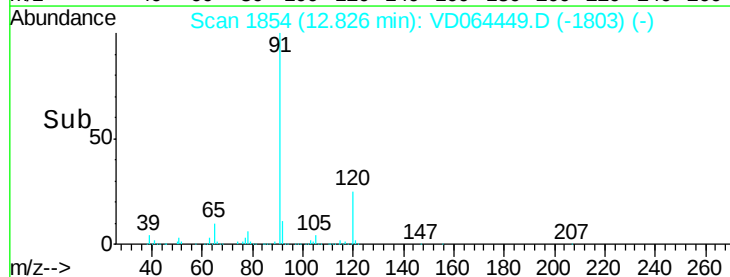
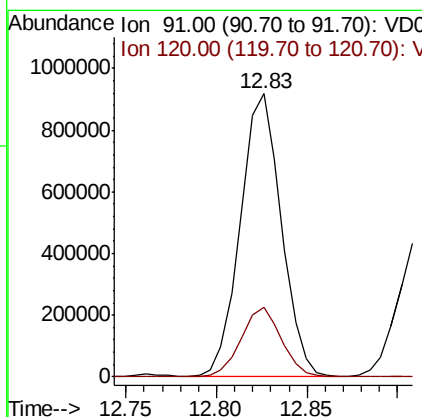
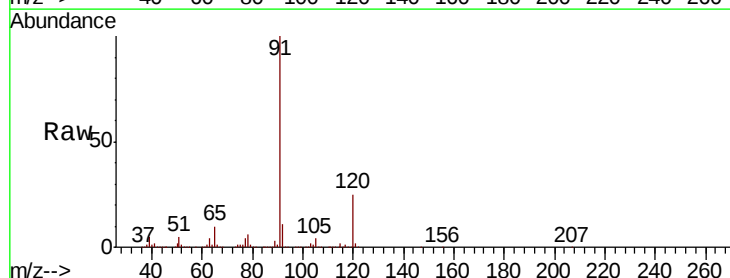
RT: 12.83 min Scan# 1854

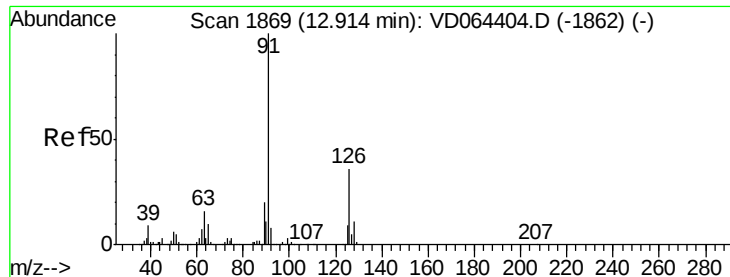
Delta R.T. 0.00 min

Lab File: VD064449.D

Acq: 06 Dec 2019 10:21

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	24.0	11.9	35.9	





#79

2-Chlorotoluene

Concen: 50.473 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064449.D

Acq: 06 Dec 2019 10:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 765330

Ion Ratio Lower Upper

91 100

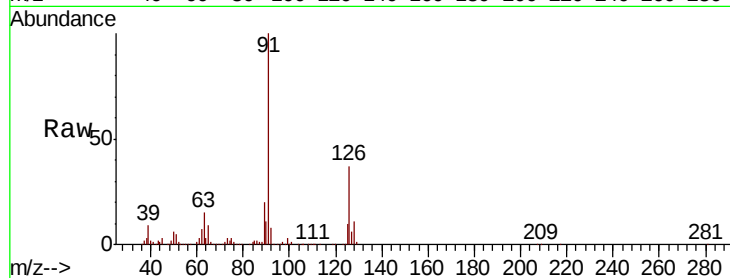
126 36.5 18.0 54.0

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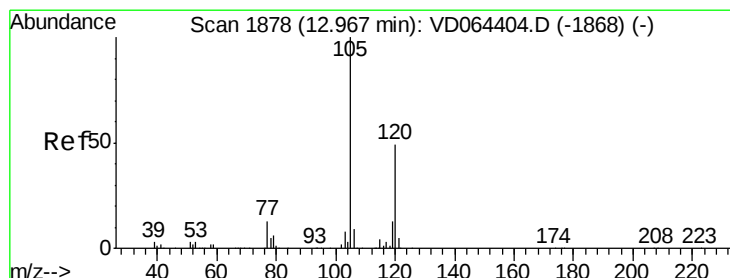
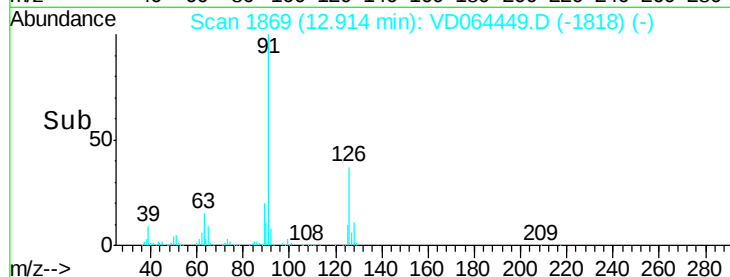
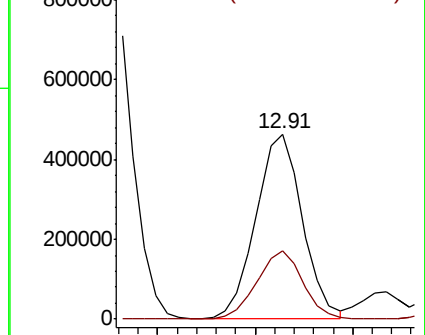
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Abundance Ion 91.00 (90.70 to 91.70): VD064449.D (-1862) (-)

Ion 125.90 (125.60 to 126.60): VD064449.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 51.712 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064449.D

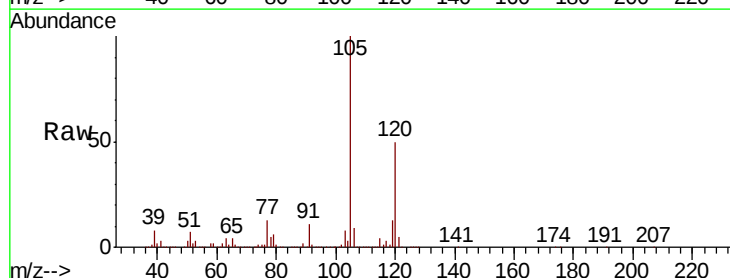
Acq: 06 Dec 2019 10:21

Tgt Ion:105 Resp: 1009277

Ion Ratio Lower Upper

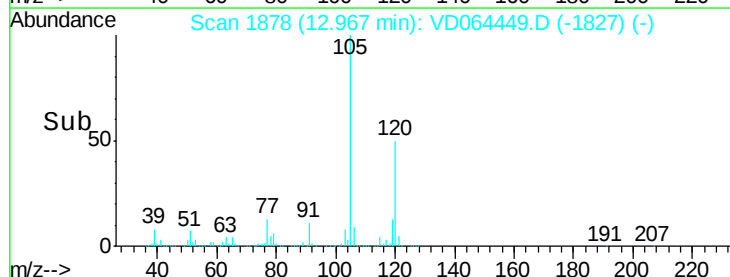
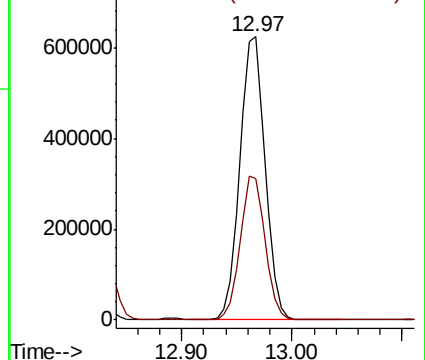
105 100

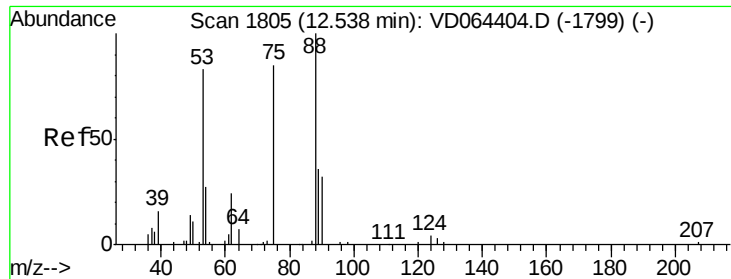
120 49.9 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): VD064449.D (-1827) (-)

Ion 120.00 (119.70 to 120.70): VD064449.D (-1827) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 49.353 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD064449.D

Acq: 06 Dec 2019 10:21

Instrument :

MSVOA_D

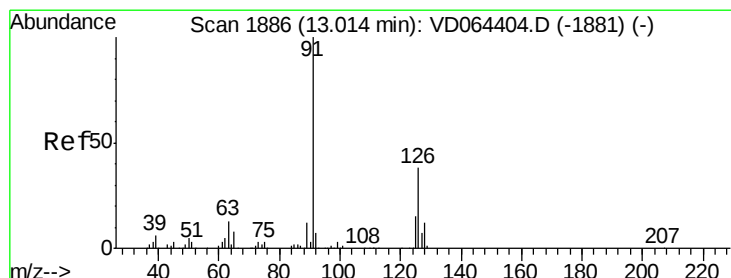
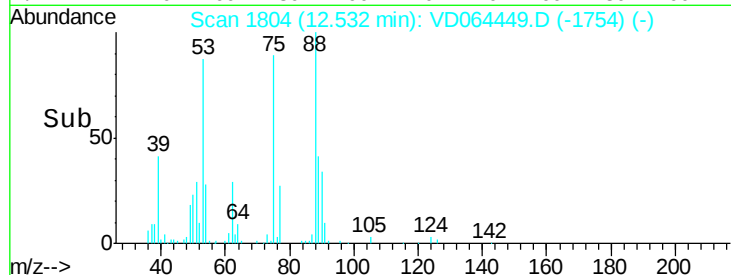
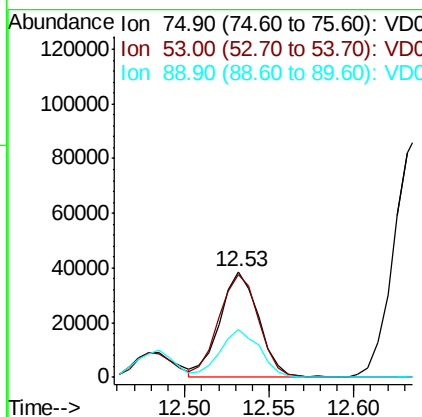
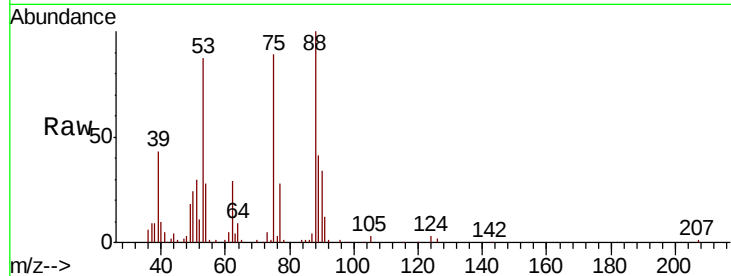
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	61810
Ion	Ratio	Lower	Upper
75	100		
53	99.9	81.0	121.6
89	47.1	38.5	57.7

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#82

4-Chlorotoluene

Concen: 50.630 ug/l

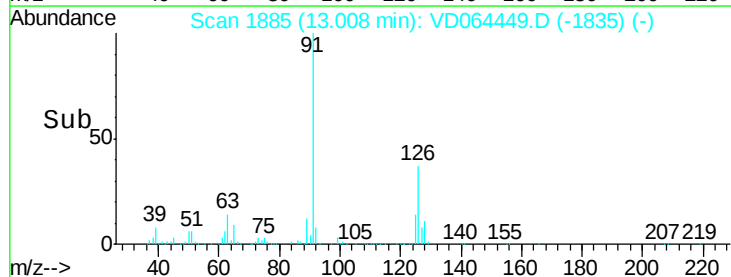
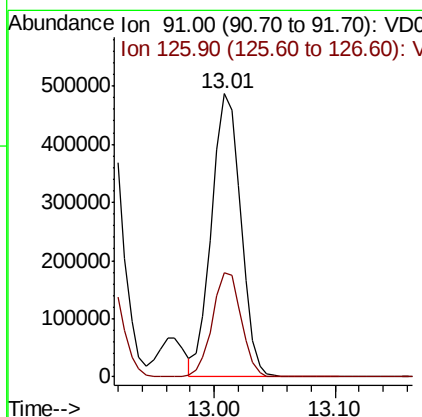
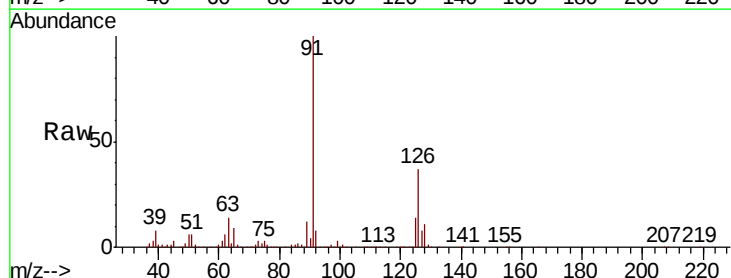
RT: 13.01 min Scan# 1885

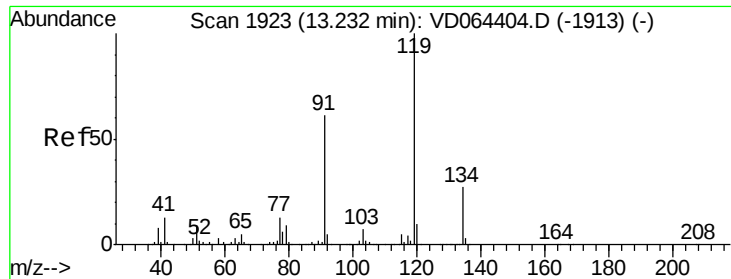
Delta R.T. -0.01 min

Lab File: VD064449.D

Acq: 06 Dec 2019 10:21

Tgt Ion:	91	Resp:	812842
Ion	Ratio	Lower	Upper
91	100		
126	36.4	18.2	54.6





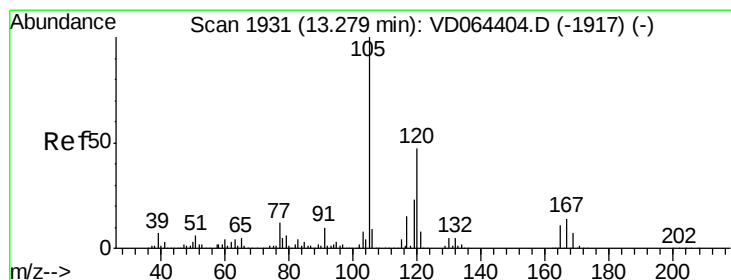
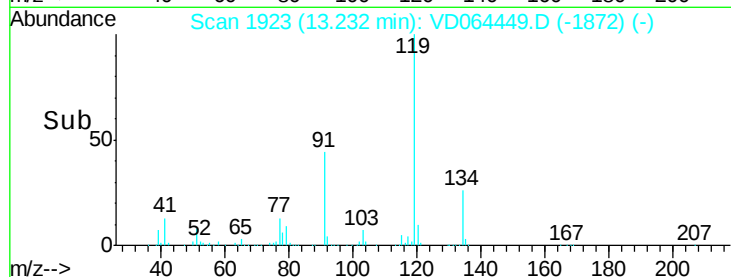
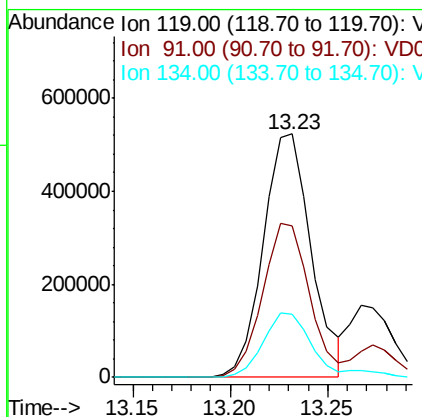
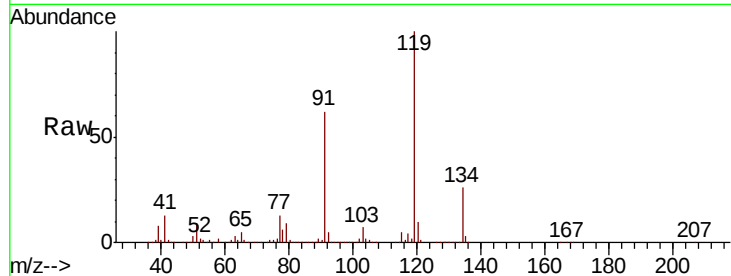
#83
tert-Butylbenzene
Concen: 52.601 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD064449.D
Acq: 06 Dec 2019 10:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.7	31.2	93.6
134	27.9	13.9	41.7

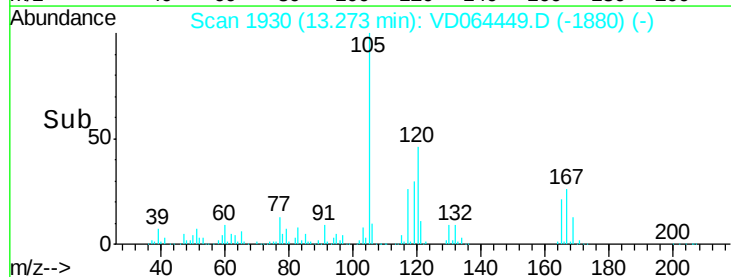
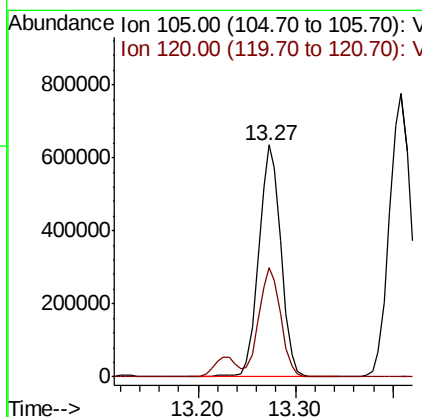
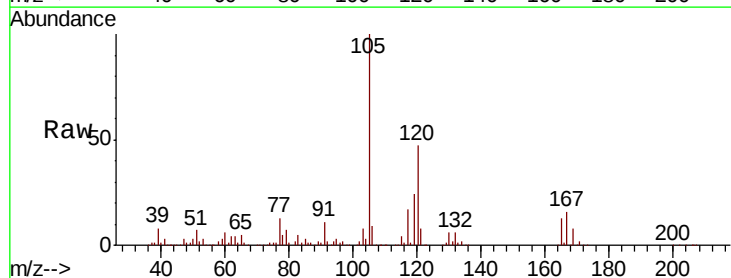
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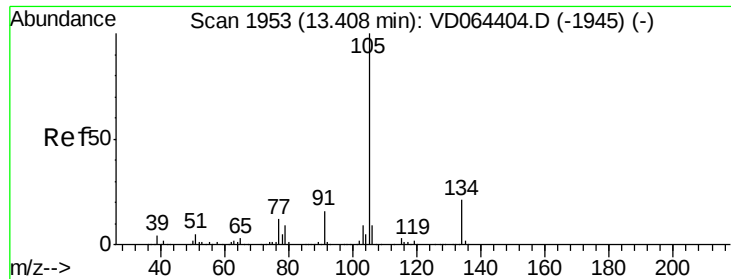
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#84
1,2,4-Trimethylbenzene
Concen: 51.582 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.01 min
Lab File: VD064449.D
Acq: 06 Dec 2019 10:21

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.7	23.6	70.8





#85

sec-Butylbenzene

Concen: 51.827 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064449.D

Acq: 06 Dec 2019 10:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1206952

Ion Ratio Lower Upper

105 100

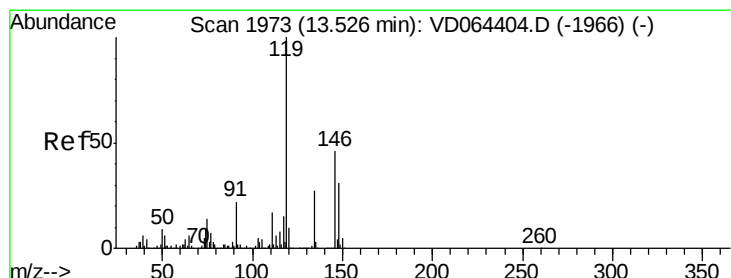
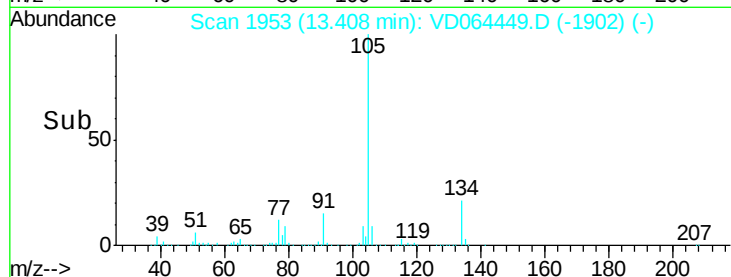
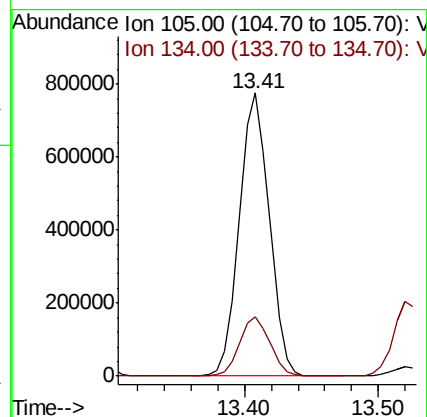
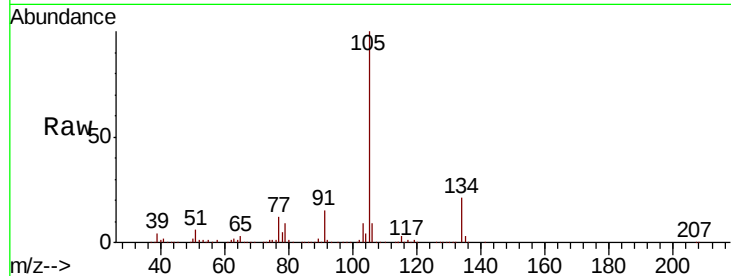
134 21.2 10.5 31.5

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#86

p-Isopropyltoluene

Concen: 52.109 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD064449.D

Acq: 06 Dec 2019 10:21

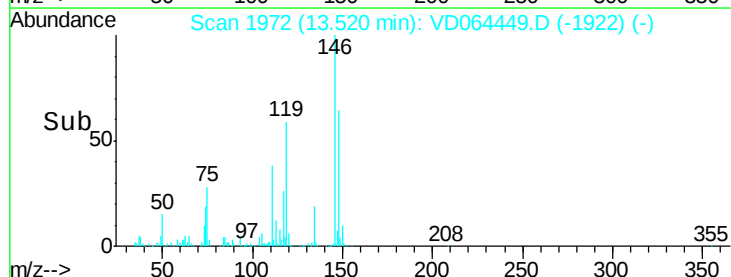
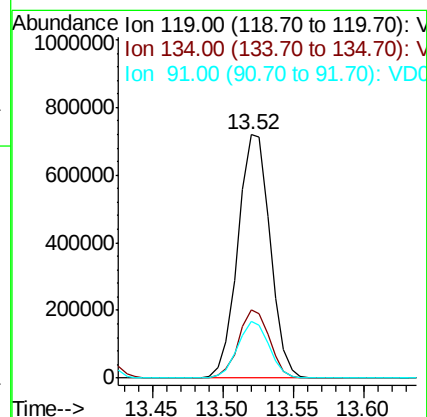
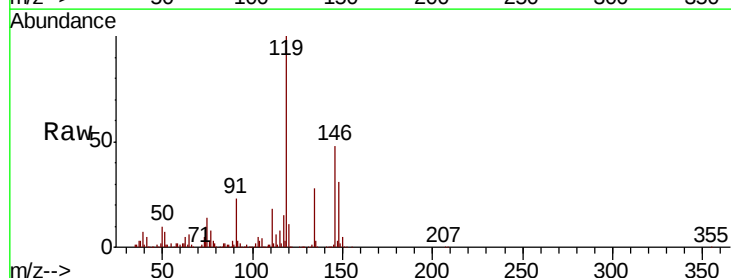
Tgt Ion:119 Resp: 1145677

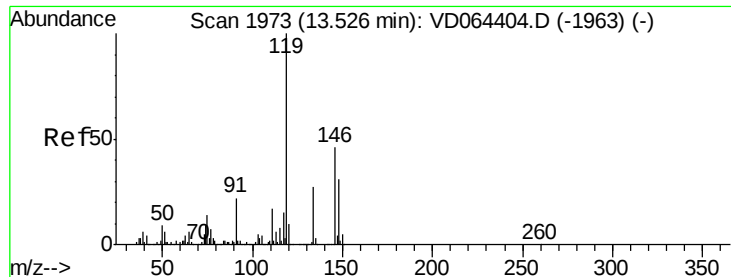
Ion Ratio Lower Upper

119 100

134 26.9 13.5 40.4

91 22.7 11.2 33.5





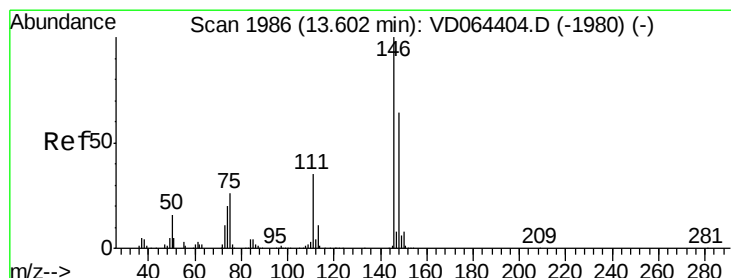
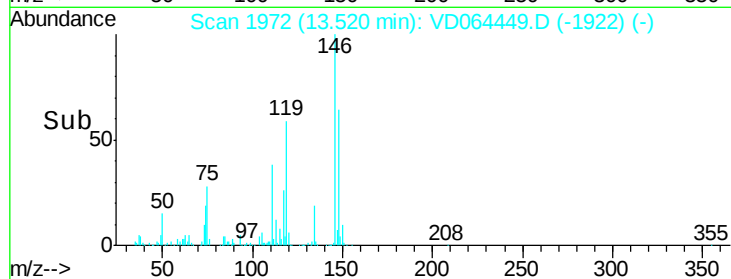
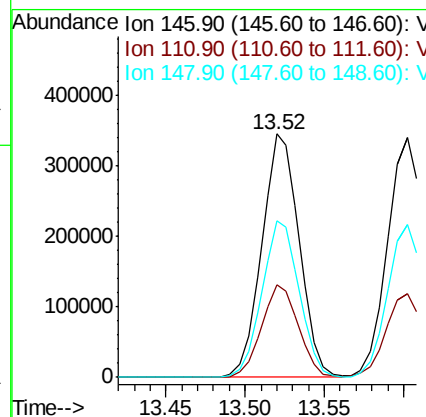
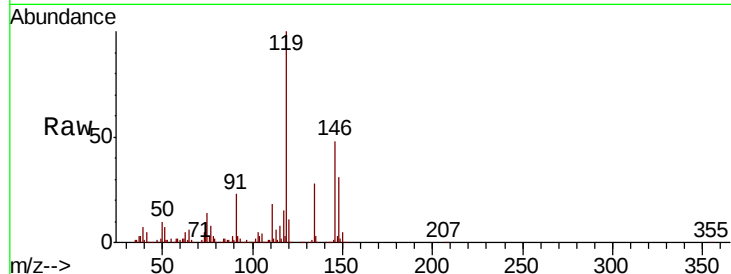
#87
 1,3-Dichlorobenzene
 Concen: 50.513 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD064449.D
 Acq: 06 Dec 2019 10:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	565457		
111	37.6	18.8	56.4	
148	64.2	32.6	97.8	

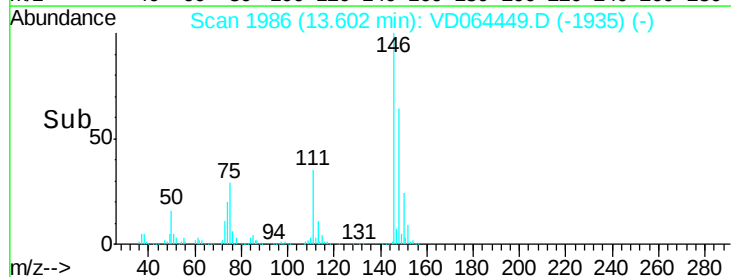
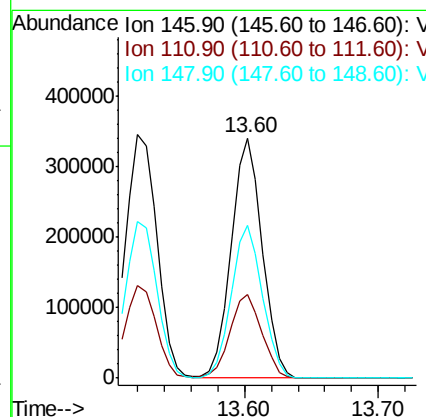
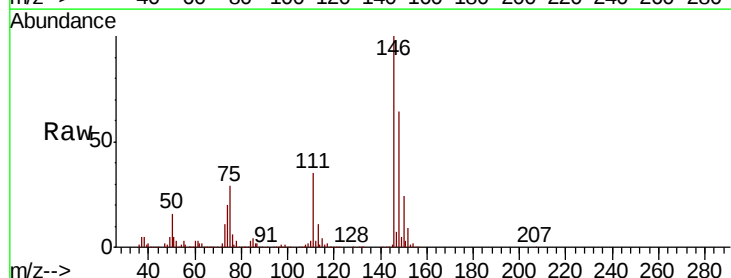
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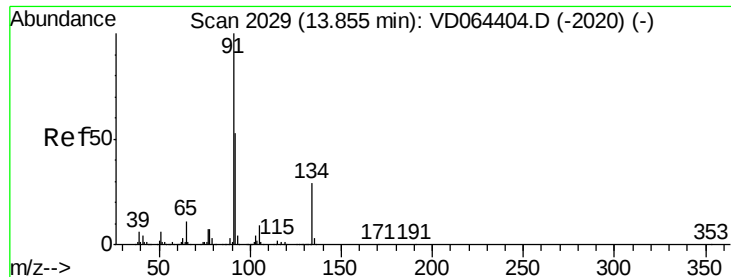
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#88
 1,4-Dichlorobenzene
 Concen: 50.081 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064449.D
 Acq: 06 Dec 2019 10:21

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	553493		
111	36.0	18.2	54.6	
148	64.0	31.8	95.4	





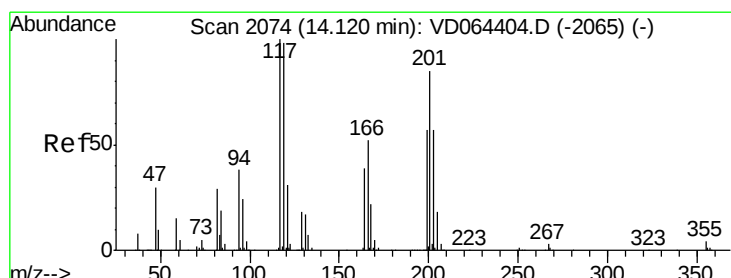
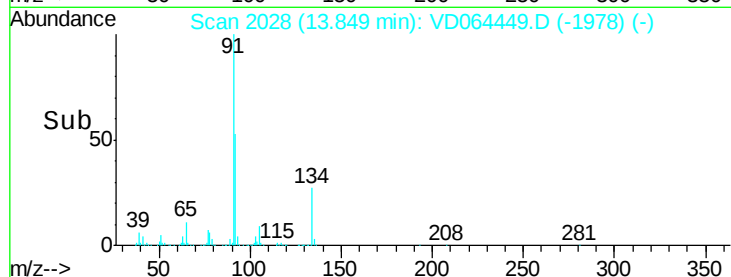
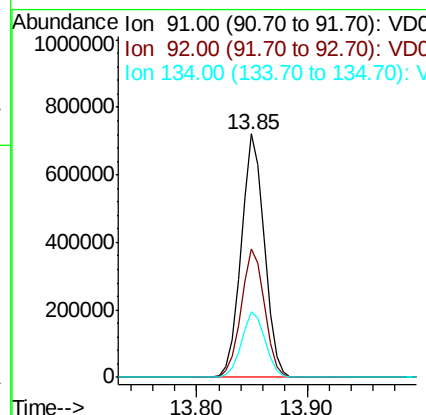
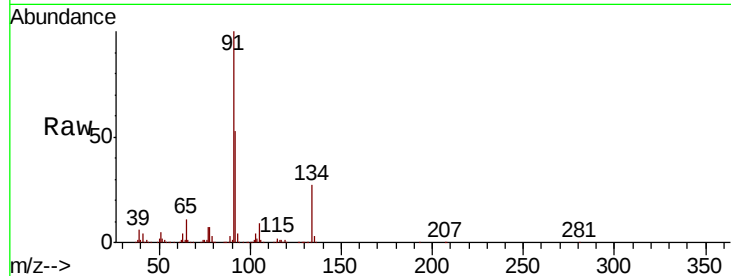
#89
n-Butylbenzene
Concen: 53.144 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.01 min
Lab File: VD064449.D
Acq: 06 Dec 2019 10:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.4	26.5	79.4
134	27.6	13.9	41.7

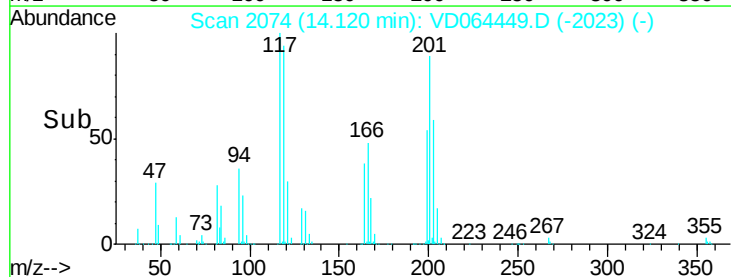
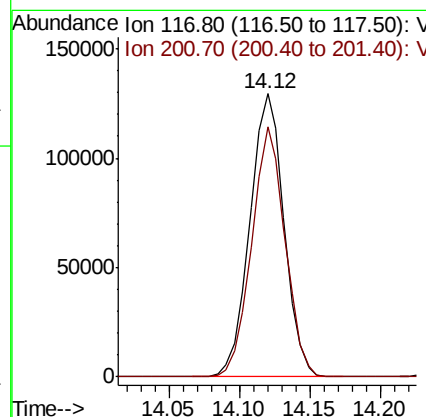
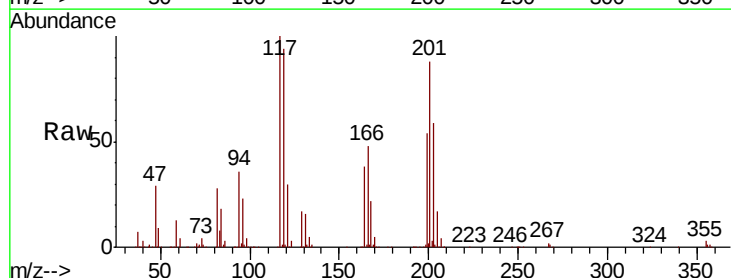
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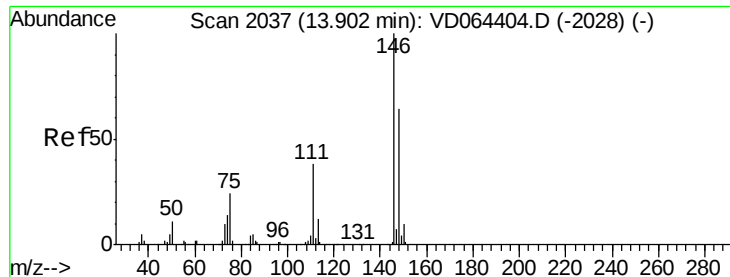
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#90
Hexachloroethane
Concen: 53.287 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064449.D
Acq: 06 Dec 2019 10:21

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.6	44.3	132.8





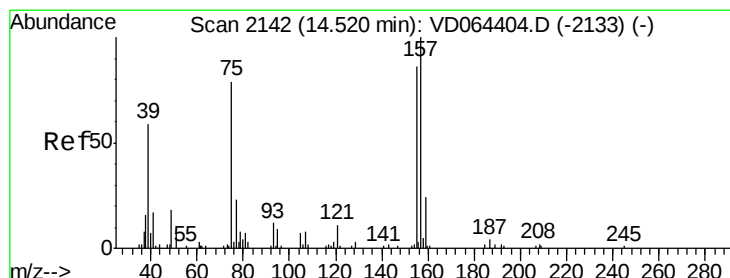
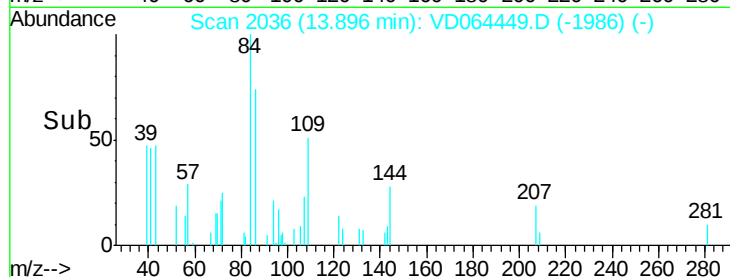
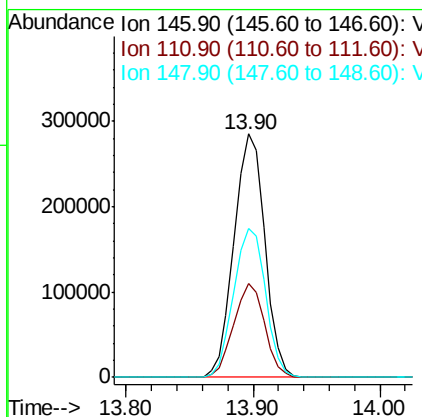
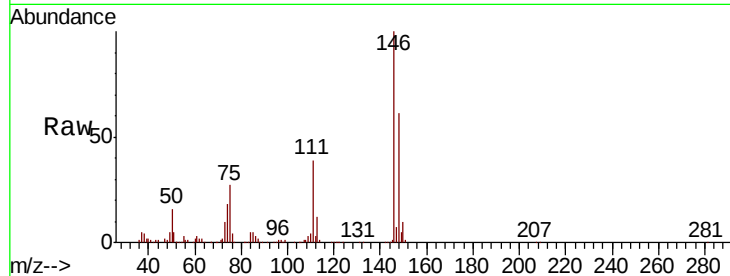
#91
 1,2-Dichlorobenzene
 Concen: 50.171 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD064449.D
 Acq: 06 Dec 2019 10:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.1	57.3
148	63.2	32.0	96.0

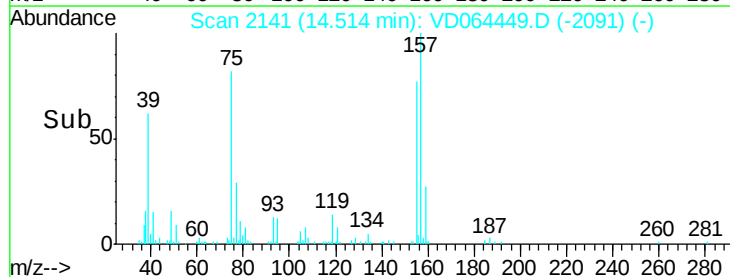
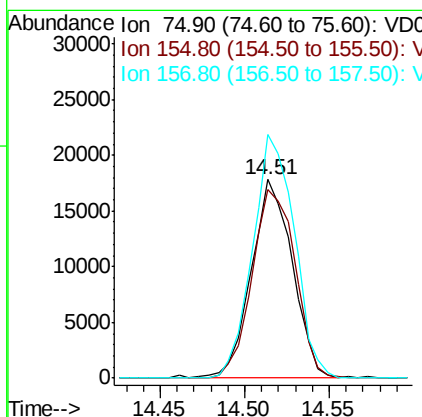
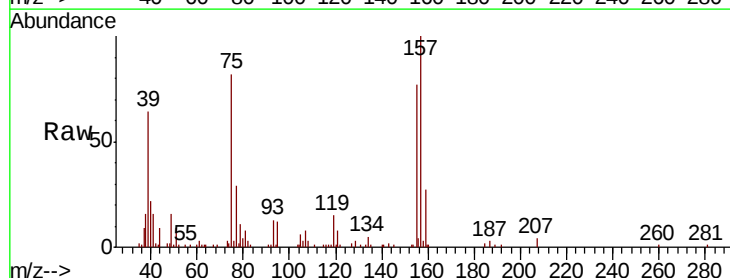
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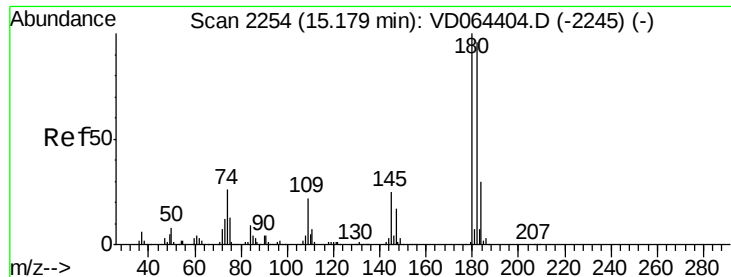
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.995 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD064449.D
 Acq: 06 Dec 2019 10:21

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.7	51.9	155.7
157	124.5	63.2	189.8





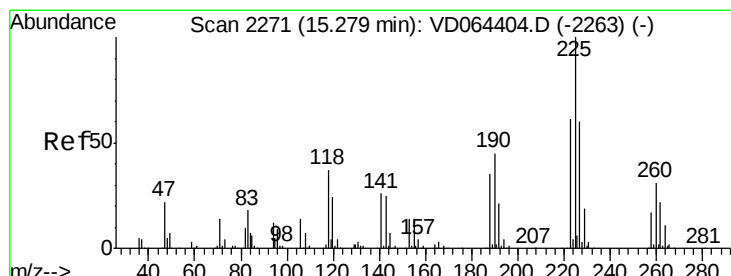
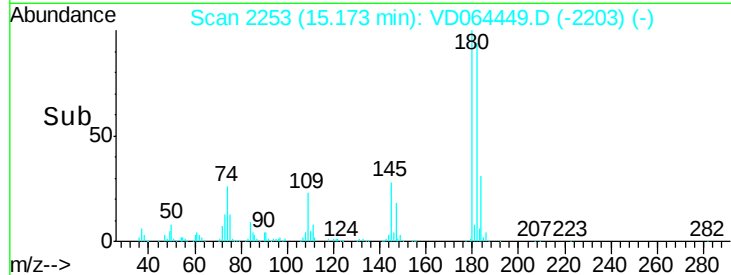
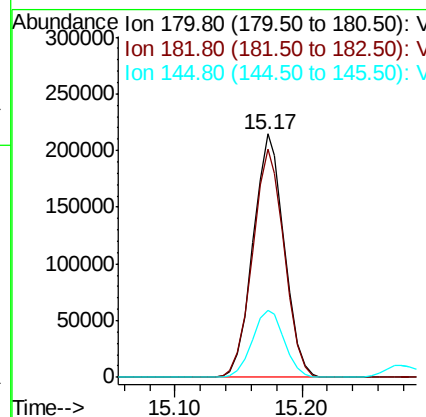
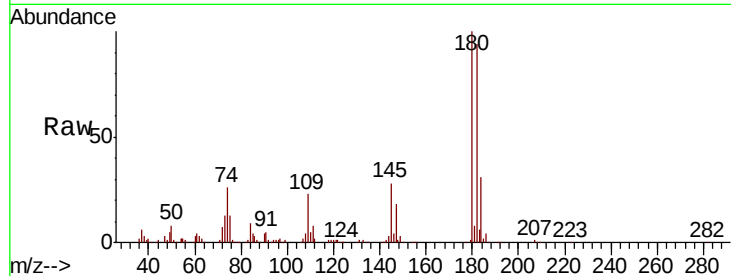
#93
 1,2,4-Trichlorobenzene
 Concen: 49.893 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD064449.D
 Acq: 06 Dec 2019 10:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.1	47.4	142.3	
145	28.4	14.0	41.9	

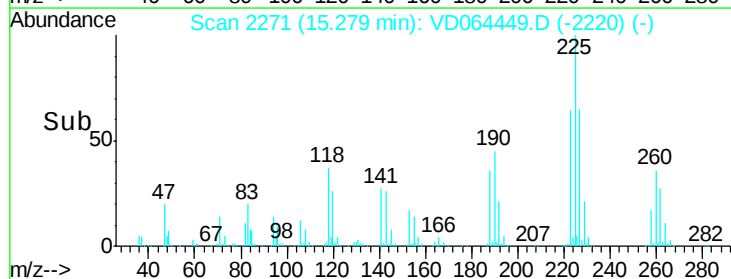
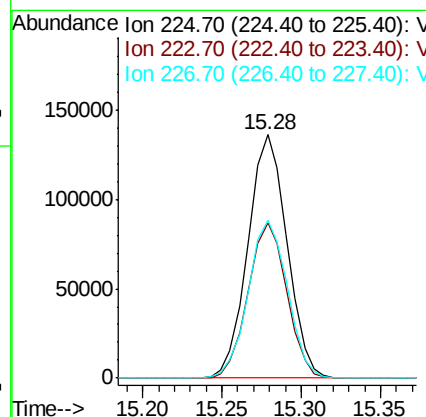
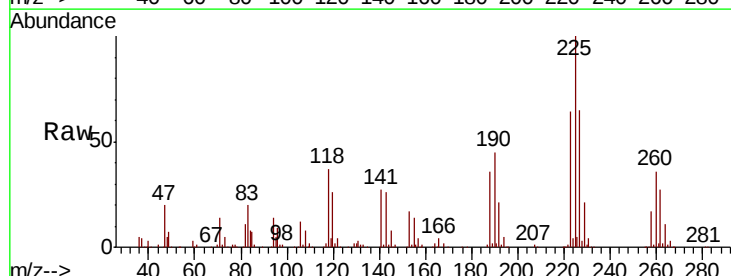
Manual Integrations
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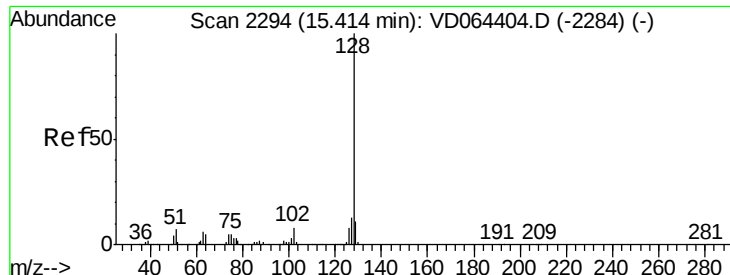
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#94
 Hexachlorobutadiene
 Concen: 51.591 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064449.D
 Acq: 06 Dec 2019 10:21

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.1	31.1	93.3	
227	65.0	31.8	95.4	





#95

Naphthalene

Concen: 47.066 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD064449.D

Acq: 06 Dec 2019 10:21

Instrument :

MSVOA_D

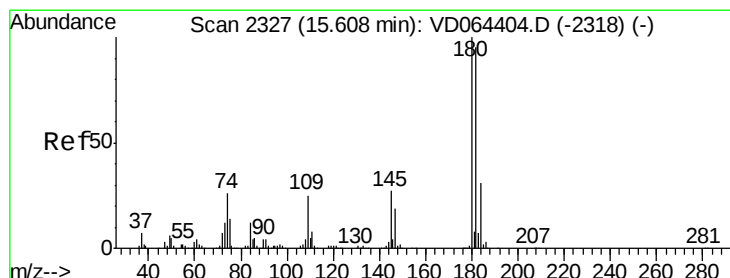
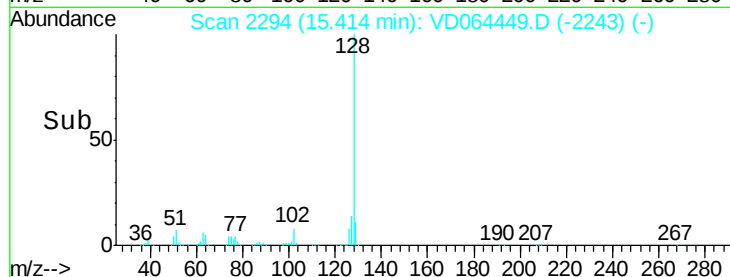
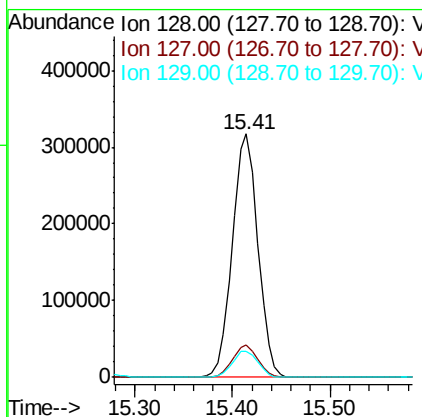
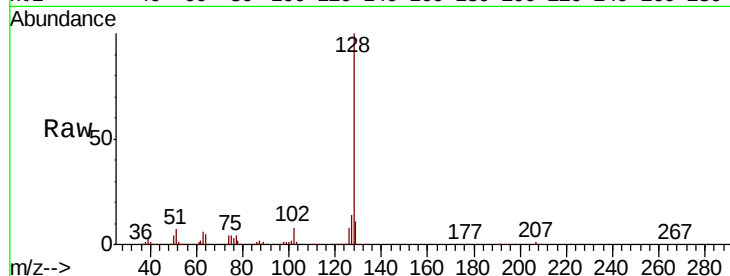
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	575490
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.5	15.7
129	11.0	8.8	13.2

Manual Integrations
APPROVED

apatel
12/9/2019 2:03:42 PM



#96

1,2,3-Trichlorobenzene

Concen: 49.458 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD064449.D

Acq: 06 Dec 2019 10:21

Tgt Ion:	180	Resp:	309317
Ion Ratio	Lower	Upper	
180	100		
182	95.3	47.6	142.9
145	30.0	14.6	43.8

