

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122319\
 Data File : VD064559.D
 Acq On : 23 Dec 2019 10:35
 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
 APPROVED

apatel
 12/24/2019 11:04:02 AM

Quant Time: Dec 24 05:59:34 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	445145	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	630428	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	556862	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	283258	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	197360	48.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.96%	
35) Dibromofluoromethane	7.92	113	201488	50.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.46%	
50) Toluene-d8	10.34	98	783058	52.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.68%	
62) 4-Bromofluorobenzene	12.64	95	246346	51.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	178199	44.181	ug/l	96
3) Chloromethane	2.21	50	225973	44.419	ug/l	100
4) Vinyl Chloride	2.35	62	281341	47.897	ug/l	98
5) Bromomethane	2.77	94	195445	44.994	ug/l	98
6) Chloroethane	2.93	64	190134	48.429	ug/l	95
7) Trichlorofluoromethane	3.27	101	492014	50.387	ug/l	98
8) Diethyl Ether	3.71	74	91569	45.127	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	211018	50.400	ug/l	98
10) Methyl Iodide	4.30	142	244675	55.338	ug/l	100
11) Tert butyl alcohol	5.25	59	55507	216.418	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	202163	50.386	ug/l	96
13) Acrolein	3.93	56	76766	219.436	ug/l	99
14) Allyl chloride	4.71	41	315098	50.321	ug/l	98
15) Acrylonitrile	5.43	53	193805	218.417	ug/l	98
16) Acetone	4.16	43	243156	298.636	ug/l	98
17) Carbon Disulfide	4.40	76	573626	45.140	ug/l	99
18) Methyl Acetate	4.72	43	100493	42.312	ug/l	100
19) Methyl tert-butyl Ether	5.49	73	421120	45.756	ug/l	99
20) Methylene Chloride	4.96	84	206125	49.806	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	221521	48.809	ug/l	95
22) Diisopropyl ether	6.37	45	613540	49.633	ug/l	97
23) Vinyl Acetate	6.31	43	1724325	236.614	ug/l	98
24) 1,1-Dichloroethane	6.27	63	383630	51.605	ug/l	97
25) 2-Butanone	7.22	43	265413	230.497	ug/l	99
26) 2,2-Dichloropropane	7.21	77	368631	57.019	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	241269	48.761	ug/l	96
28) Bromochloromethane	7.55	49	121709	47.906	ug/l	99
29) Tetrahydrofuran	7.57	42	157239	214.632	ug/l	96
30) Chloroform	7.71	83	392530	50.984	ug/l	98
31) Cyclohexane	7.98	56	349391	54.220	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	373020	52.259	ug/l	99
36) 1,1-Dichloropropene	8.11	75	309336	51.876	ug/l	100
37) Ethyl Acetate	7.30	43	116818	46.169	ug/l	97
38) Carbon Tetrachloride	8.10	117	347295	55.183	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	380613	51.456	ug/l	99
40) Benzene	8.35	78	845768	51.068	ug/l	100
41) Methacrylonitrile	7.53	41	59722	41.158	ug/l #	82
42) 1,2-Dichloroethane	8.43	62	241817	50.067	ug/l	99
43) Isopropyl Acetate	8.46	43	229755	46.183	ug/l	100
44) Trichloroethene	9.11	130	247817	49.674	ug/l	99
45) 1,2-Dichloropropane	9.39	63	206124	52.040	ug/l	95
46) Dibromomethane	9.48	93	108022	48.321	ug/l	99
47) Bromodichloromethane	9.66	83	291944	50.825	ug/l	99
48) Methyl methacrylate	9.46	41	108285	47.567	ug/l	90
49) 1,4-Dioxane	9.47	88	23526	852.230	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	557814	226.613	ug/l	99
52) Toluene	10.40	92	551854	51.129	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	281286	51.383	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	334837	51.487	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	146810	47.961	ug/l	98
56) Ethyl methacrylate	10.66	69	178621	45.751	ug/l	98
57) 1,3-Dichloropropane	10.95	76	248180	47.629	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	347990	223.593	ug/l	100
59) 2-Hexanone	10.98	43	418969	245.294	ug/l	99
60) Dibromochloromethane	11.14	129	203519	49.037	ug/l	99
61) 1,2-Dibromoethane	11.25	107	142351	46.576	ug/l	99
64) Tetrachloroethene	10.87	164	215252	50.689	ug/l	98
65) Chlorobenzene	11.67	112	583632	50.251	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	224693	52.260	ug/l	100
67) Ethyl Benzene	11.75	91	1089381	52.717	ug/l	99
68) m/p-Xylenes	11.86	106	834739	105.942	ug/l	99
69) o-Xylene	12.18	106	374373	51.447	ug/l	97
70) Styrene	12.20	104	657536	51.998	ug/l	100
71) Bromoform	12.36	173	120910	47.004	ug/l #	99
73) Isopropylbenzene	12.48	105	1061408	52.101	ug/l	100
74) N-amyl acetate	12.29	43	208238	45.037	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	145939	43.319	ug/l	95
76) 1,2,3-Trichloropropane	12.79	75	96148m	41.276	ug/l	
77) Bromobenzene	12.77	156	248545	49.404	ug/l	99
78) n-propylbenzene	12.83	91	1226652	52.186	ug/l	99
79) 2-Chlorotoluene	12.91	91	662129	51.193	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	861249	51.733	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	50539	47.308	ug/l	98
82) 4-Chlorotoluene	13.01	91	701864	51.253	ug/l	99
83) tert-Butylbenzene	13.23	119	762136	52.658	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	851207	50.848	ug/l	99
85) sec-Butylbenzene	13.41	105	1043562	52.534	ug/l	99
86) p-Isopropyltoluene	13.53	119	991200	52.853	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	478185	50.080	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	460899	48.891	ug/l	99
89) n-Butylbenzene	13.85	91	899737	52.830	ug/l	99
90) Hexachloroethane	14.12	117	185986	53.022	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	391767	48.009	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.52	75	24279	48.062	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	301101	48.180	ug/l	99
94) Hexachlorobutadiene	15.28	225	195093	50.567	ug/l	100
95) Naphthalene	15.41	128	463270	44.418	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	252559	47.343	ug/l	99

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

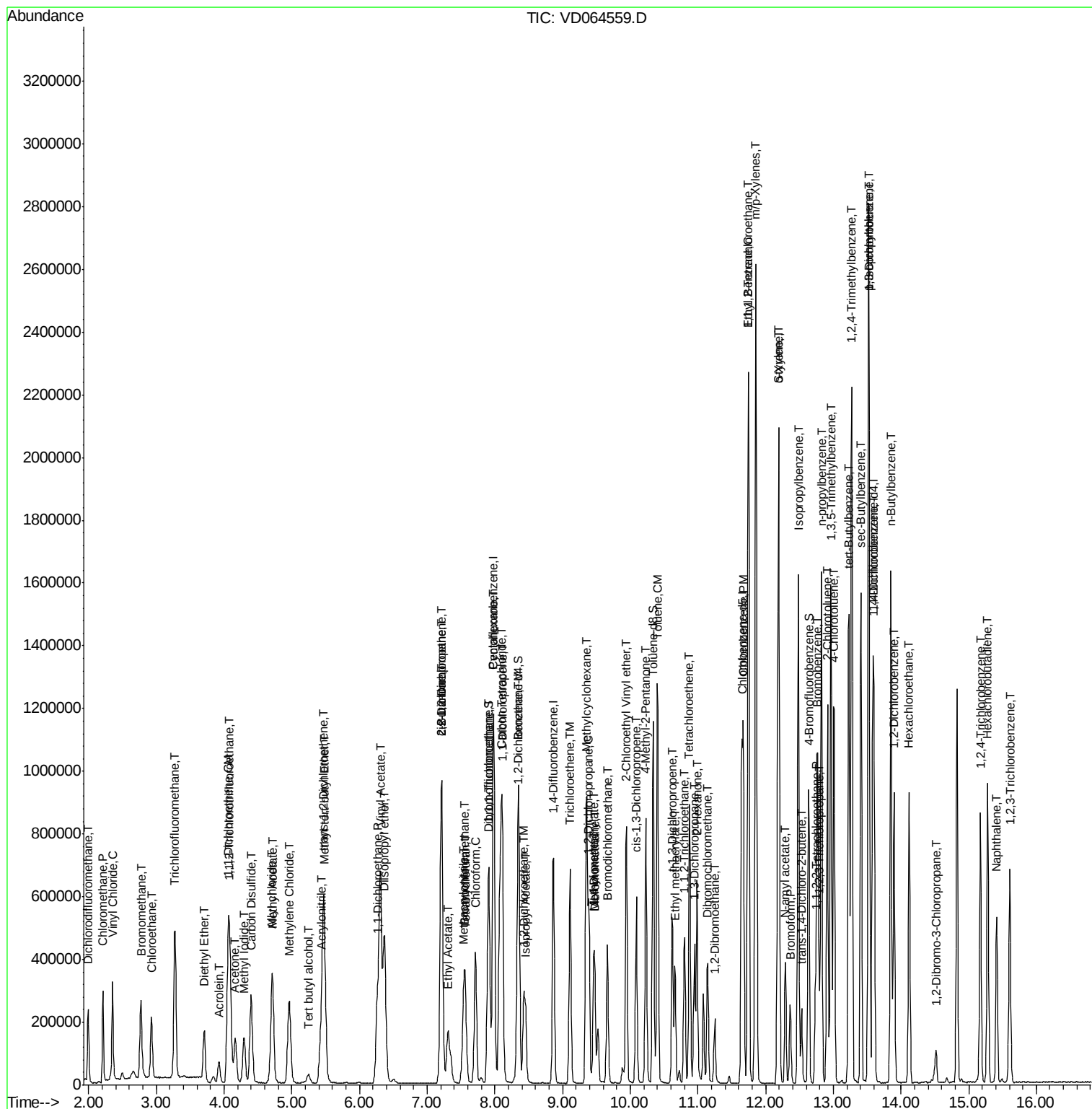
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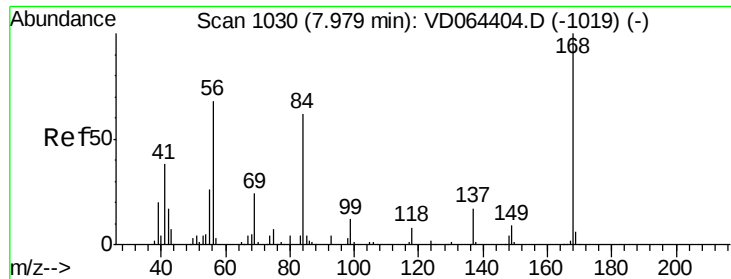
Instrument :
MSVOA_D
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD064559.D

Acq: 23 Dec 2019 10:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 445145

Ion Ratio Lower Upper

168 100

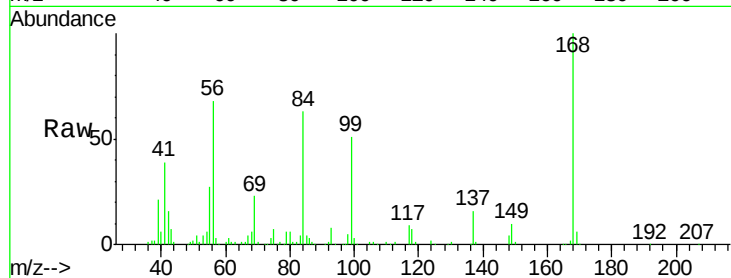
99 51.1 40.7 61.1

Manual Integrations

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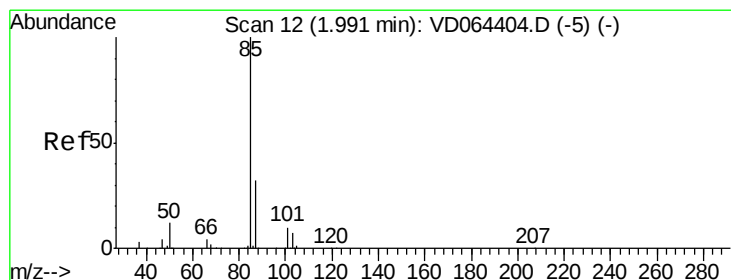
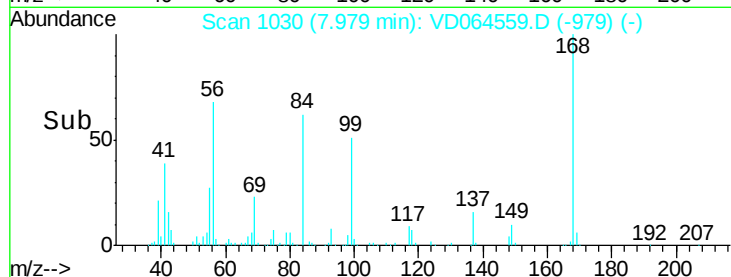
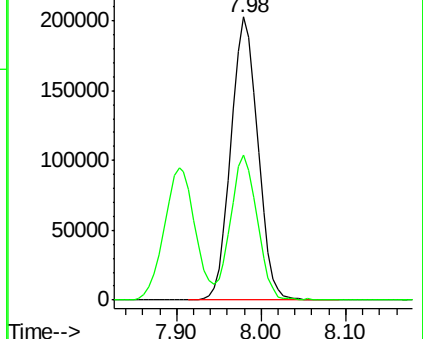
apatel

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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: 44.181 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064559.D

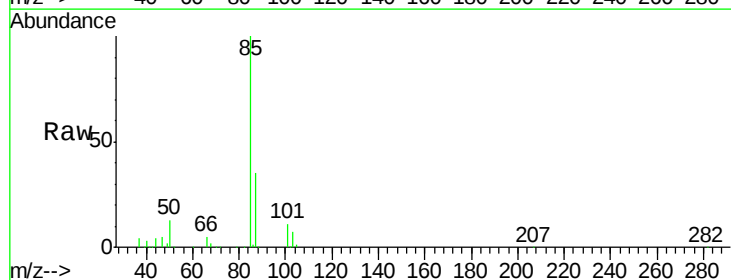
Acq: 23 Dec 2019 10:35

Tgt Ion: 85 Resp: 178199

Ion Ratio Lower Upper

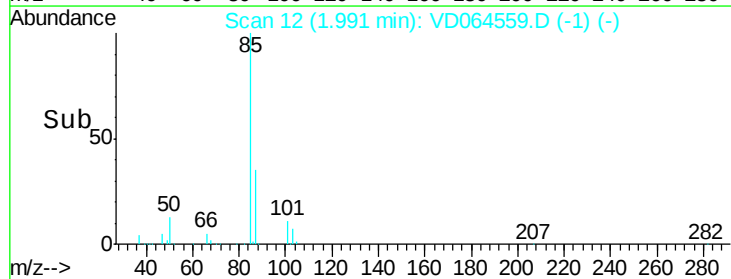
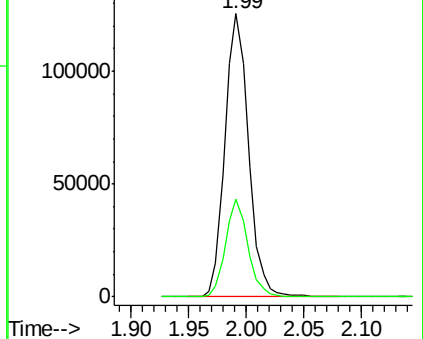
85 100

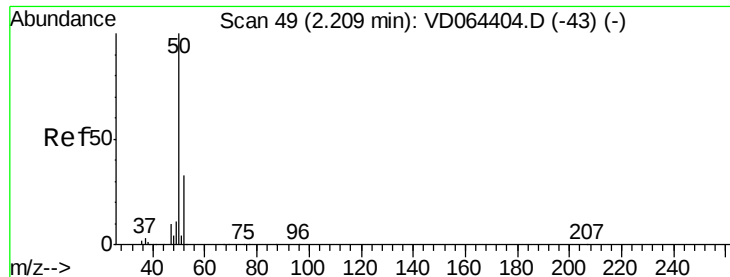
87 34.6 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 44.419 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064559.D

Acq: 23 Dec 2019 10:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 225973

Ion Ratio Lower Upper

50 100

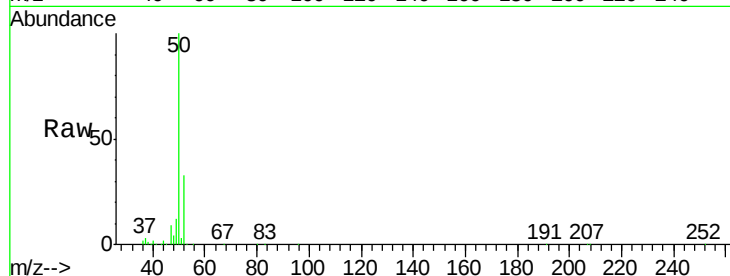
52 33.4 26.7 40.1

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

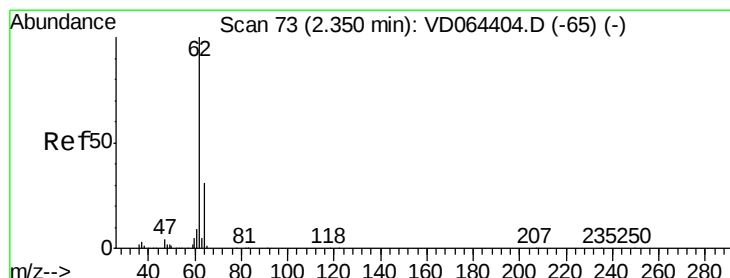
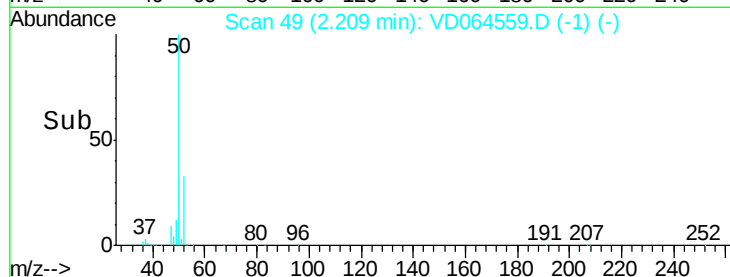
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100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 47.897 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064559.D

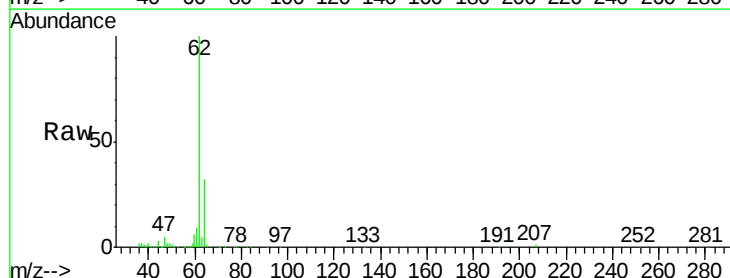
Acq: 23 Dec 2019 10:35

Tgt Ion: 62 Resp: 281341

Ion Ratio Lower Upper

62 100

64 32.1 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

200000

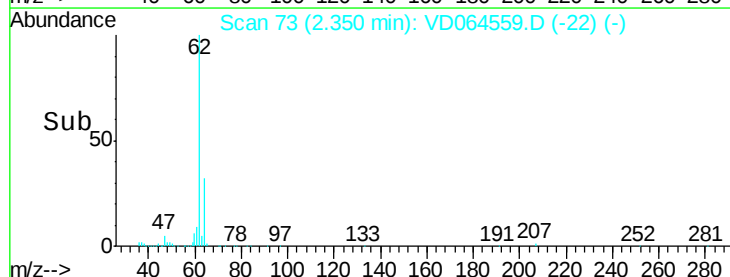
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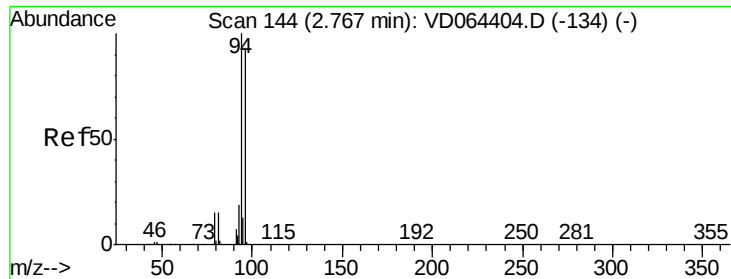
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50000

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Time-->





#5

Bromomethane

Concen: 44.994 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD064559.D

Acq: 23 Dec 2019 10:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 195445

Ion Ratio Lower Upper

94 100

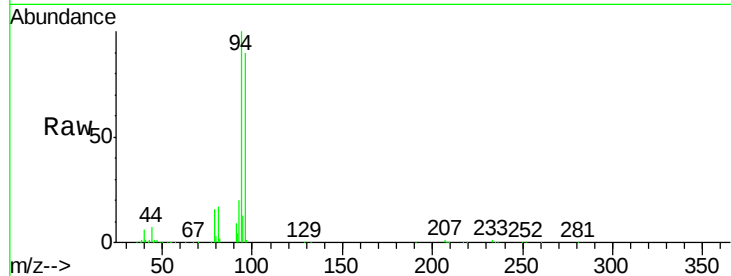
96 89.8 73.6 110.4

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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

100000

80000

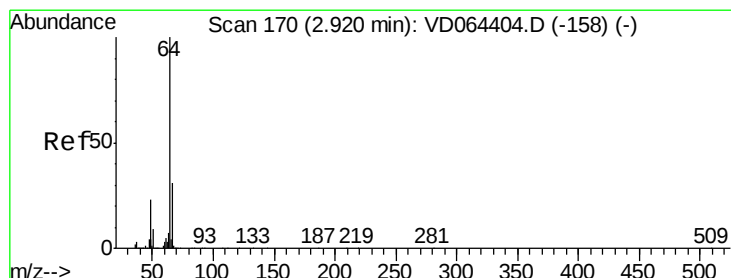
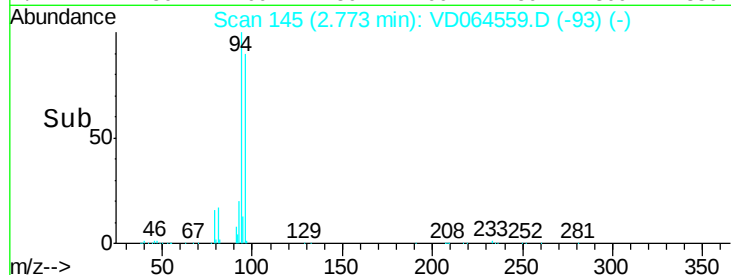
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40000

20000

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Time-->



#6

Chloroethane

Concen: 48.429 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD064559.D

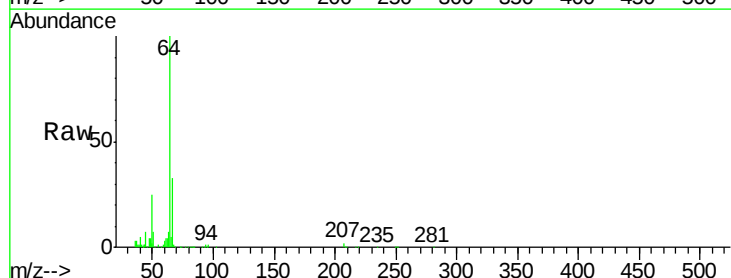
Acq: 23 Dec 2019 10:35

Tgt Ion: 64 Resp: 190134

Ion Ratio Lower Upper

64 100

66 33.3 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.93

100000

80000

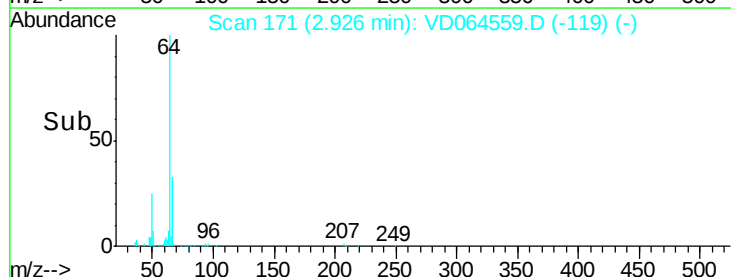
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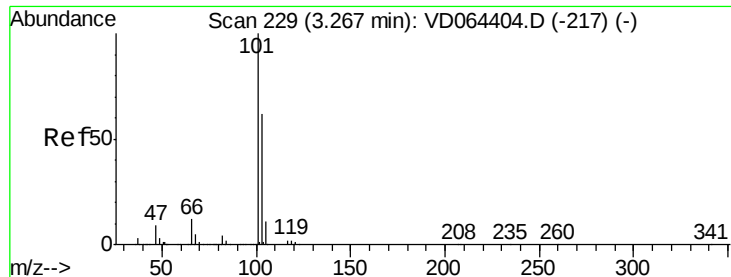
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#7

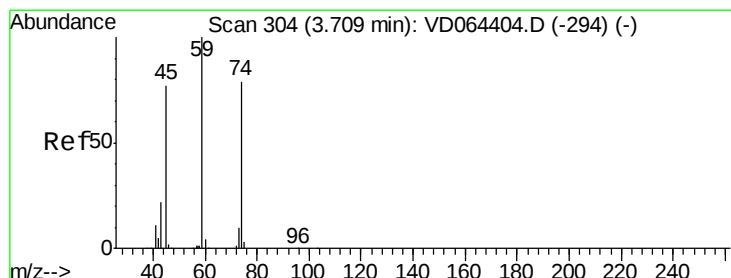
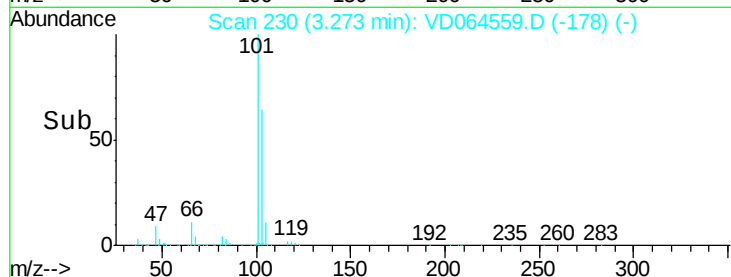
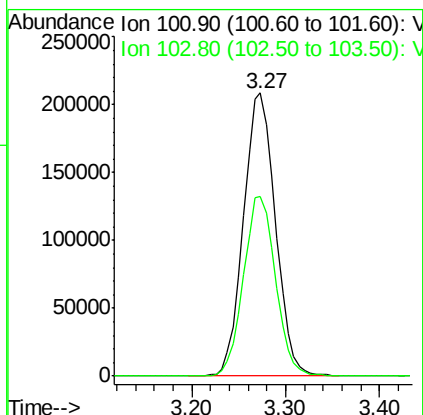
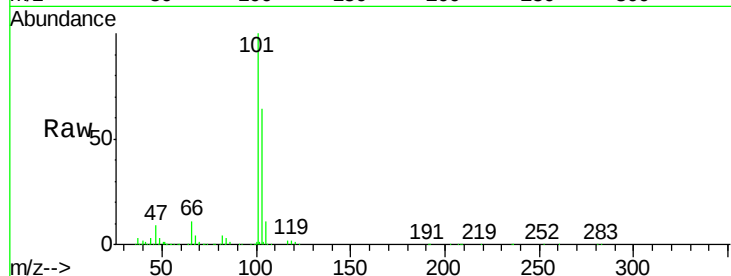
Trichlorofluoromethane
 Concen: 50.387 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.01 min
 Lab File: VD064559.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.6	49.8	74.6

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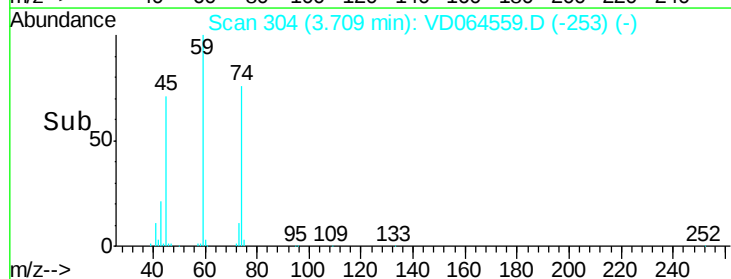
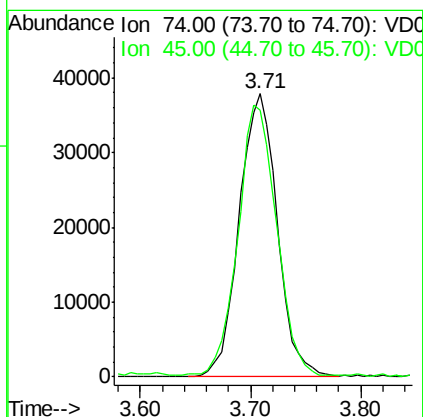
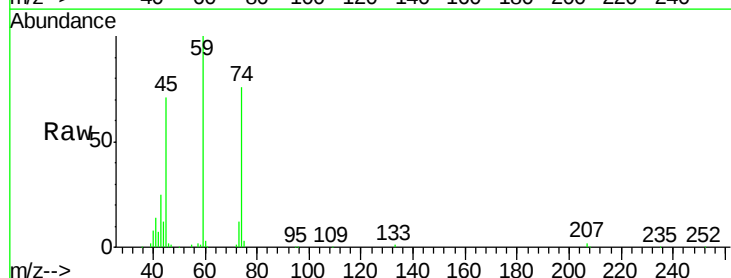
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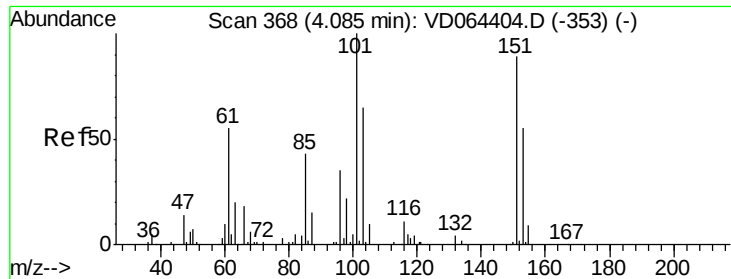


#8

Diethyl Ether
 Concen: 45.127 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD064559.D
 Acq: 23 Dec 2019 10:35

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.6	48.6	145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.400 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064559.D

Acq: 23 Dec 2019 10:35

Instrument :

MSVOA_D

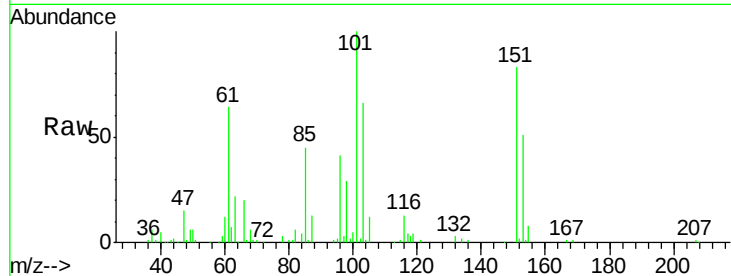
ClientSampleId :

VSTDCCC050

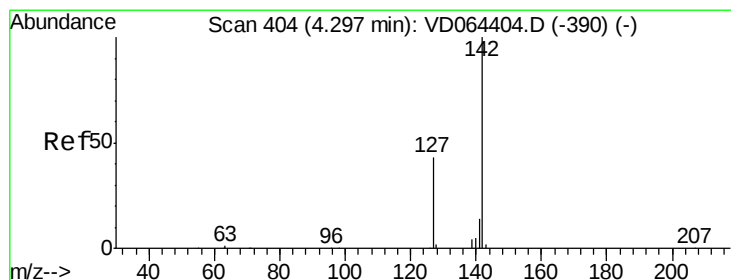
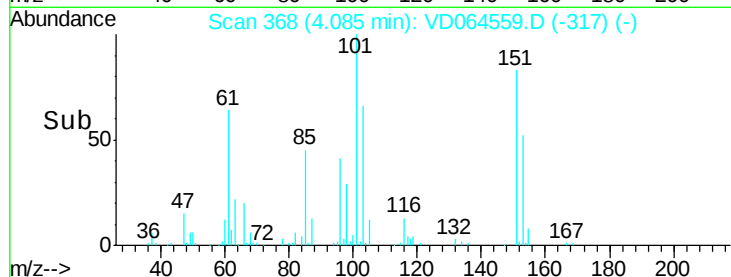
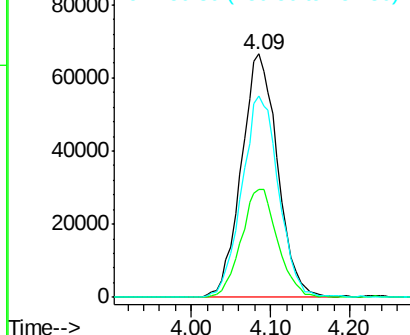
Tot Ion:	101	Resp:	211018
Ion Ratio	Lower	Upper	
101	100		
85	44.5	34.8	52.2
151	84.2	68.8	103.2

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 55.338 ug/l

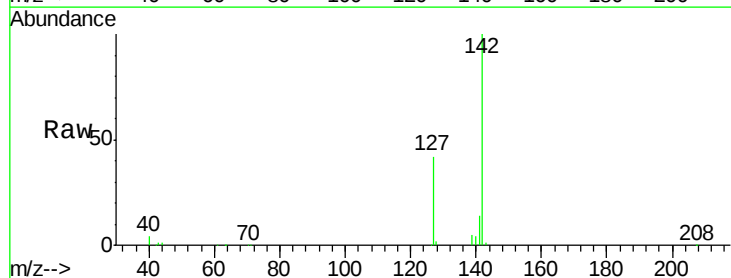
RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

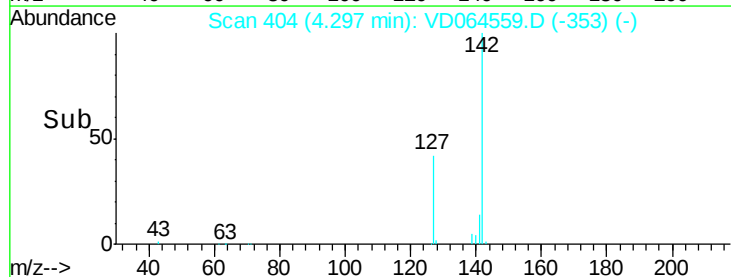
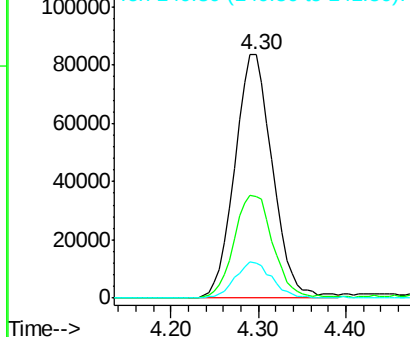
Lab File: VD064559.D

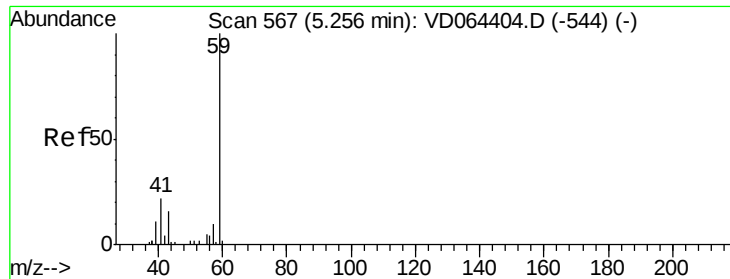
Acq: 23 Dec 2019 10:35

Tgt Ion:	142	Resp:	244675
Ion Ratio	Lower	Upper	
142	100		
127	43.8	35.3	52.9
141	14.6	11.6	17.4



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





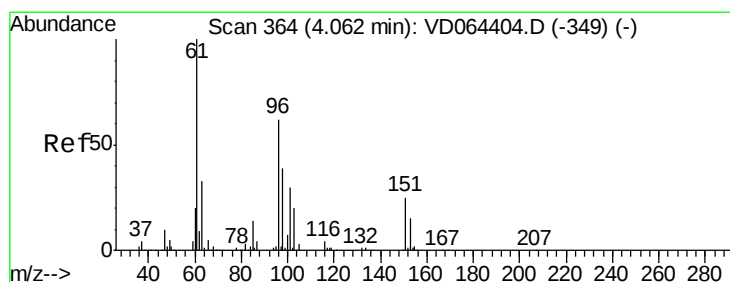
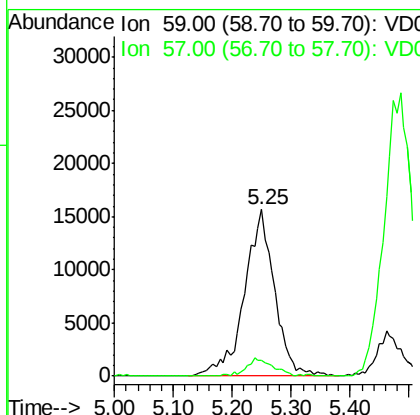
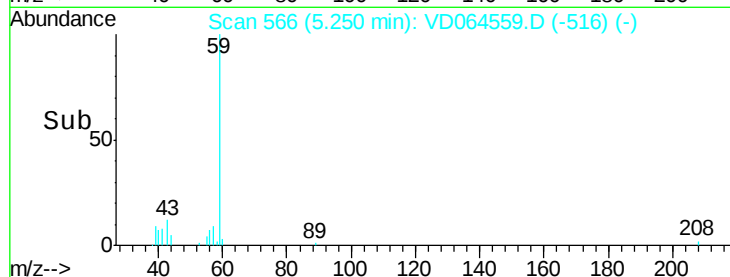
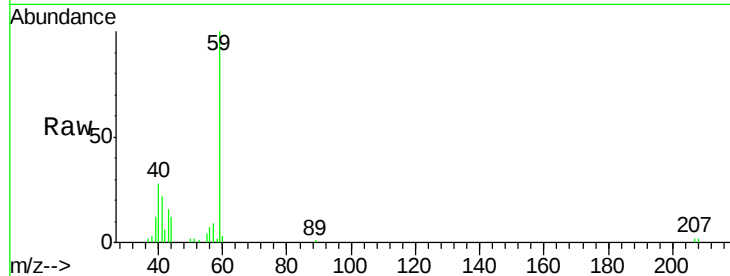
#11
Tert butyl alcohol
Concen: 216.418 ug/l
RT: 5.25 min Scan# 566
Delta R.T. -0.01 min
Lab File: VD064559.D
Acq: 23 Dec 2019 10:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 55507
Ion Ratio Lower Upper
59 100
57 9.7 0.0 0.0#

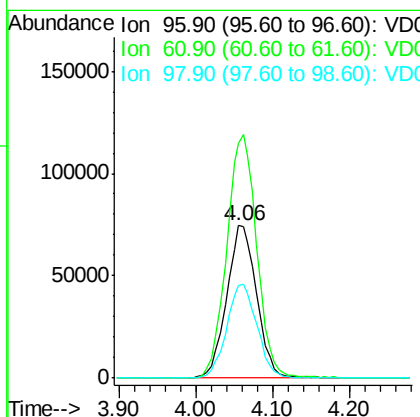
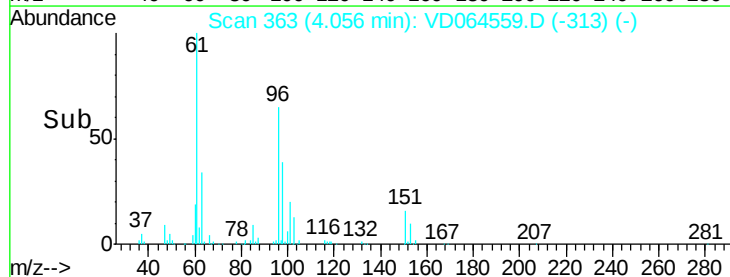
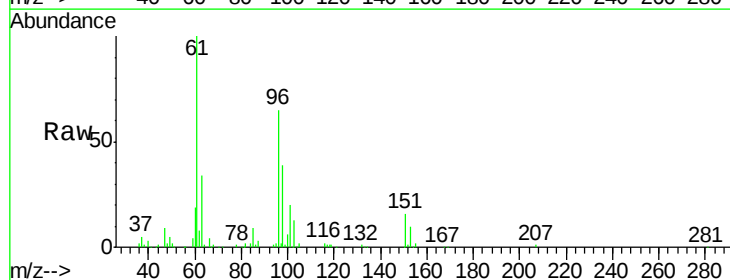
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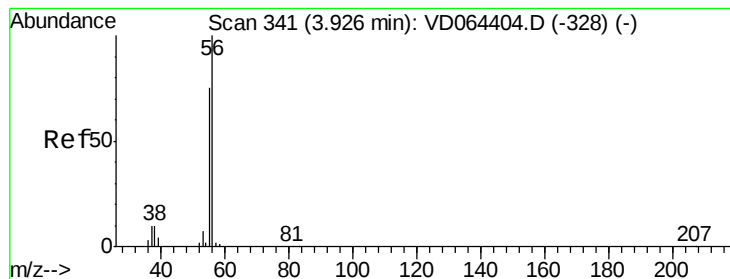
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#12
1,1-Dichloroethene
Concen: 50.386 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064559.D
Acq: 23 Dec 2019 10:35

Tgt Ion: 96 Resp: 202163
Ion Ratio Lower Upper
96 100
61 154.2 128.2 192.4
98 61.0 50.4 75.6





#13

Acrolein

Concen: 219.436 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD064559.D

Acq: 23 Dec 2019 10:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 76766

Ion Ratio Lower Upper

56 100

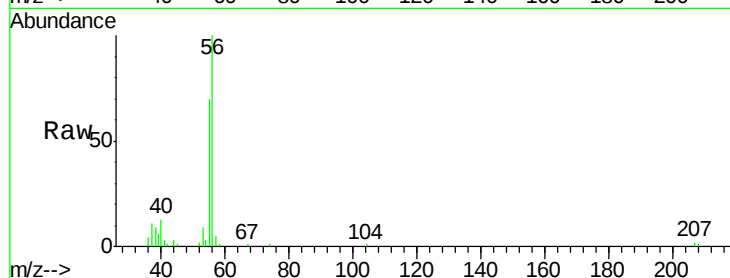
55 72.3 56.9 85.3

Manual Integrations

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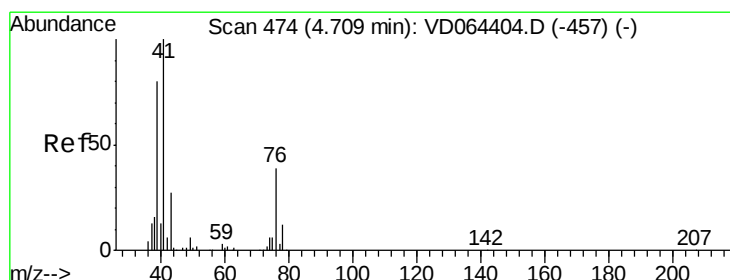
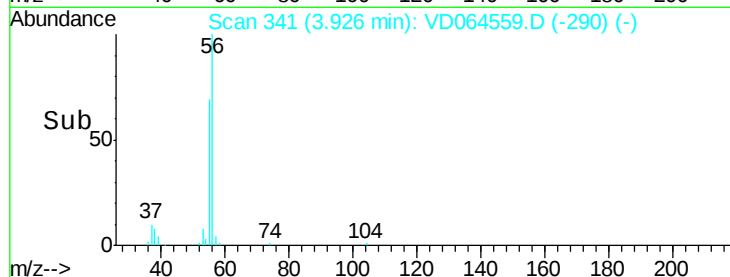
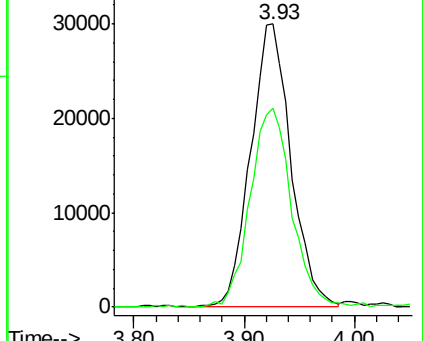
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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 50.321 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064559.D

Acq: 23 Dec 2019 10:35

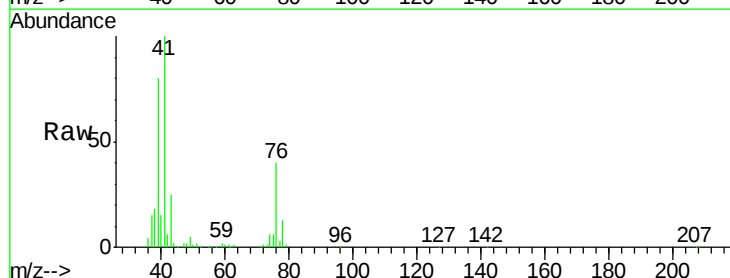
Tgt Ion: 41 Resp: 315098

Ion Ratio Lower Upper

41 100

39 79.1 62.1 93.1

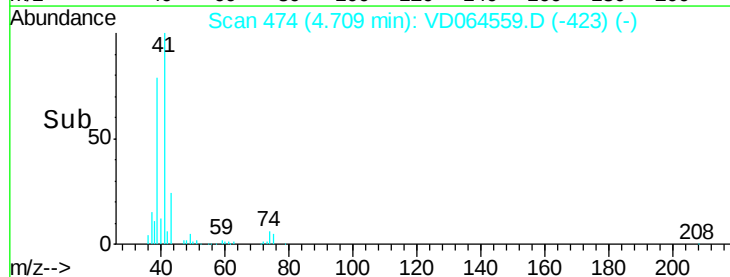
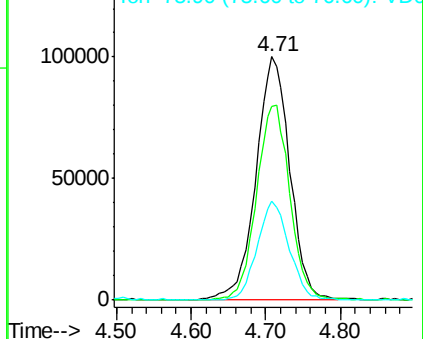
76 38.5 29.8 44.8

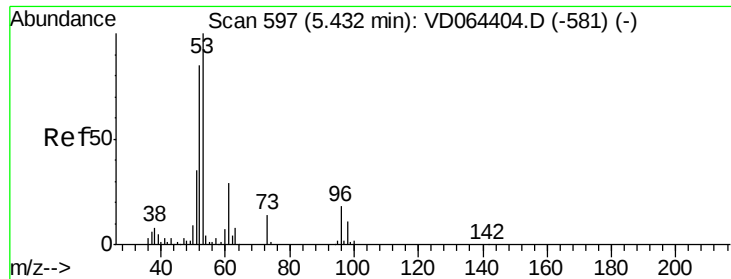


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 218.417 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064559.D

Acq: 23 Dec 2019 10:35

Instrument :

MSVOA_D

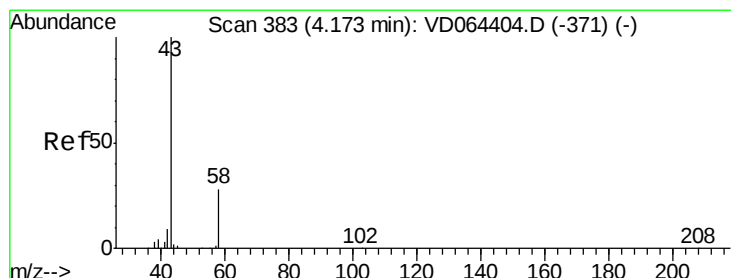
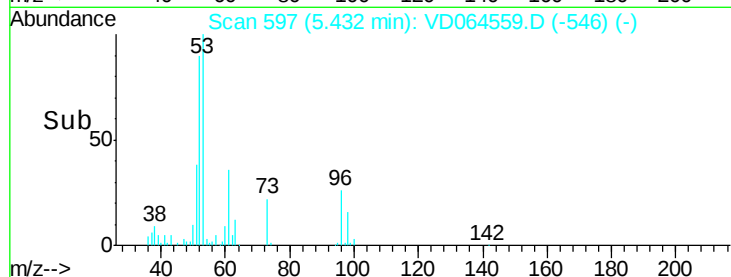
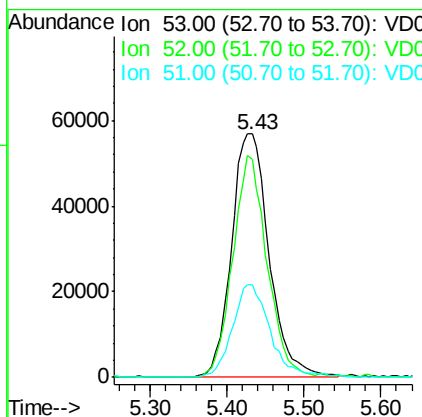
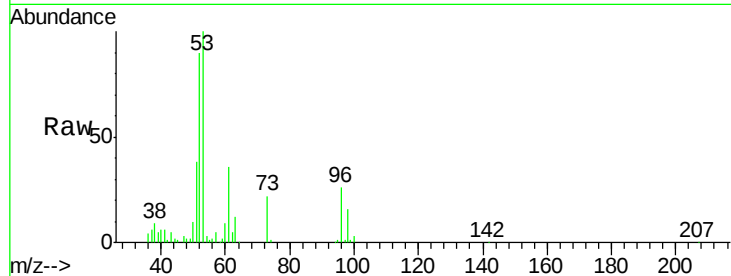
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	193805
Ion Ratio	Lower	Upper	
53	100		
52	83.0	67.9	101.9
51	38.1	30.6	45.8

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#16

Acetone

Concen: 298.636 ug/l

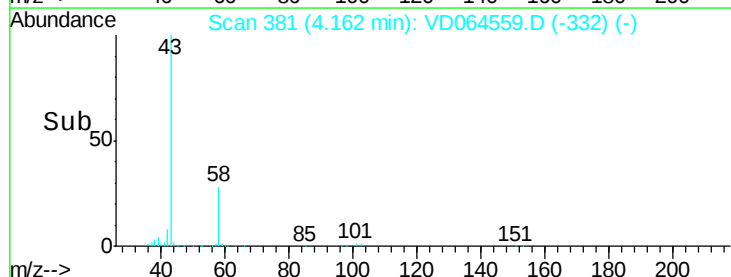
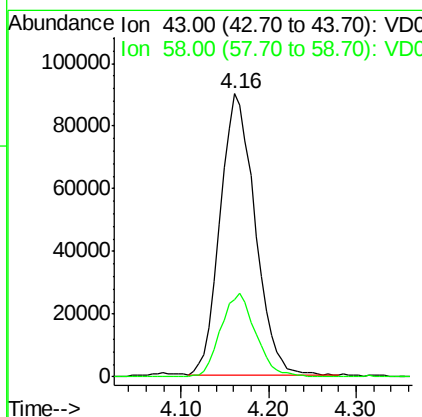
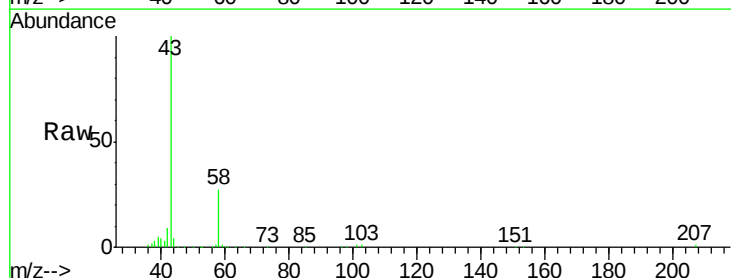
RT: 4.16 min Scan# 381

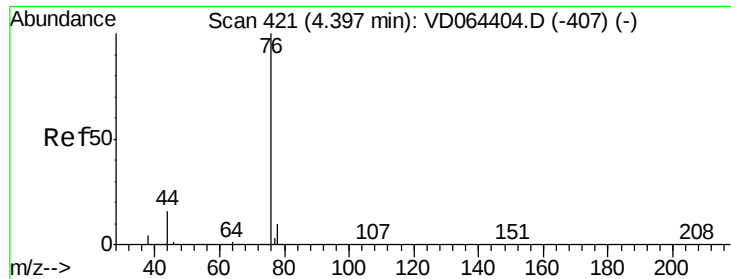
Delta R.T. -0.01 min

Lab File: VD064559.D

Acq: 23 Dec 2019 10:35

Tgt Ion:	43	Resp:	243156
Ion Ratio	Lower	Upper	
43	100		
58	27.3	22.6	33.8





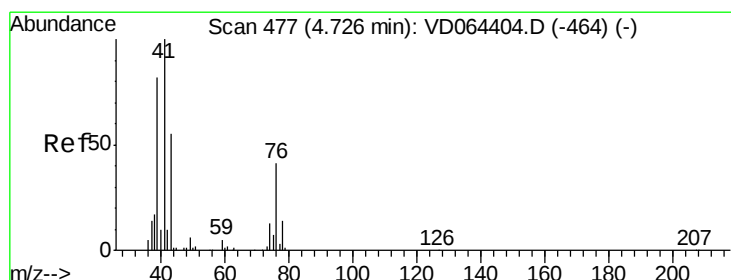
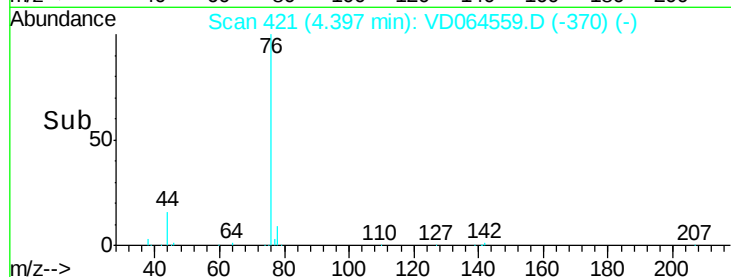
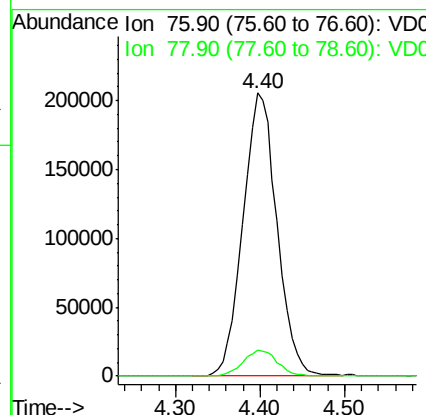
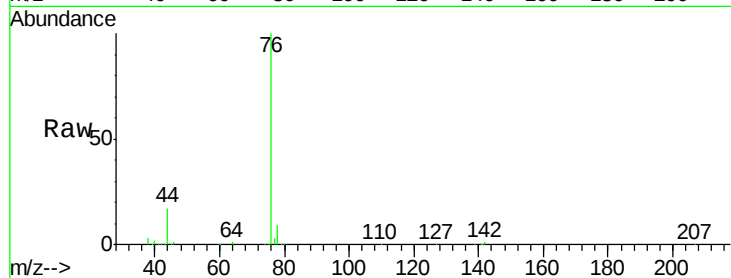
#17
Carbon Disulfide
Concen: 45.140 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.00 min
Lab File: VD064559.D
Acq: 23 Dec 2019 10:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.8	11.8

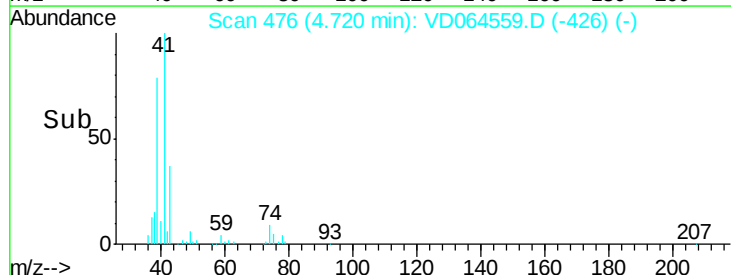
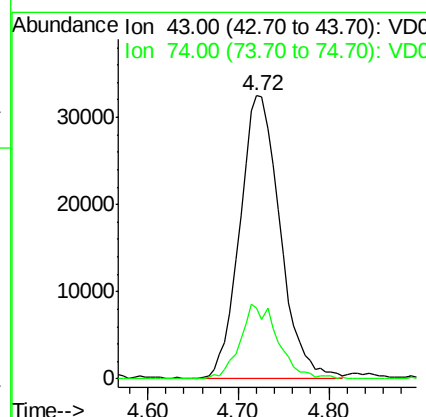
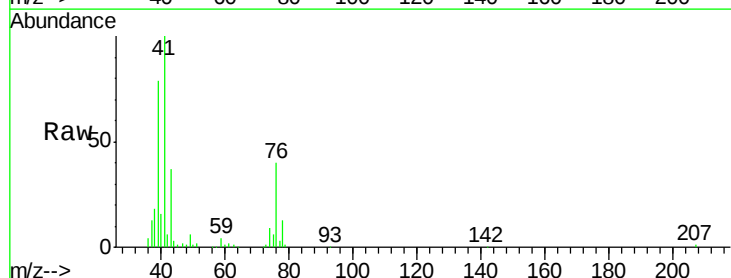
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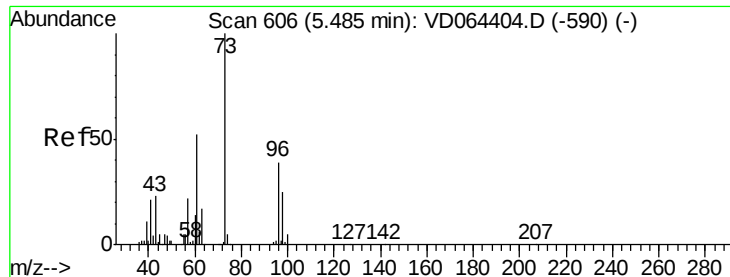
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#18
Methyl Acetate
Concen: 42.312 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD064559.D
Acq: 23 Dec 2019 10:35

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.7	19.7	29.5





#19

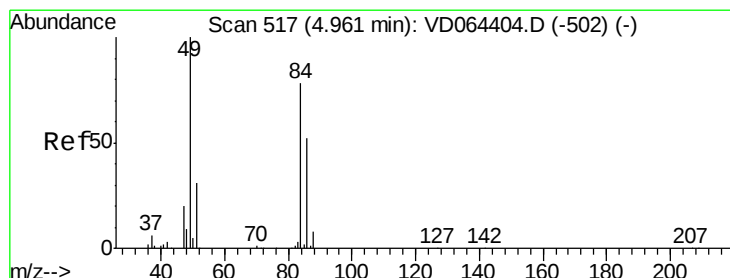
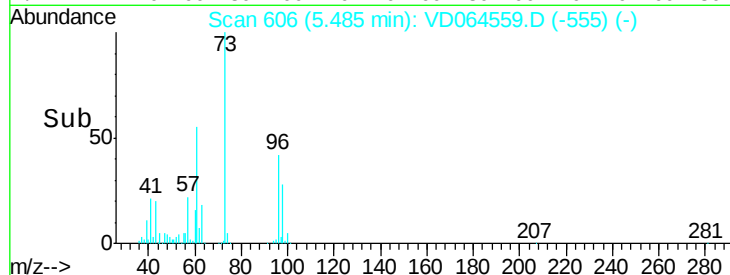
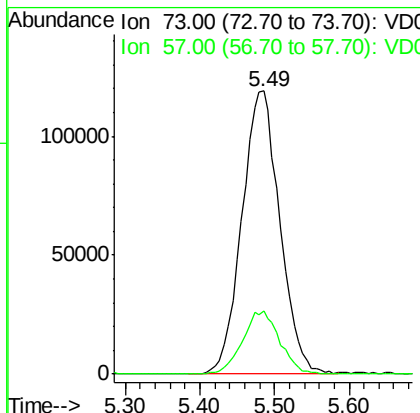
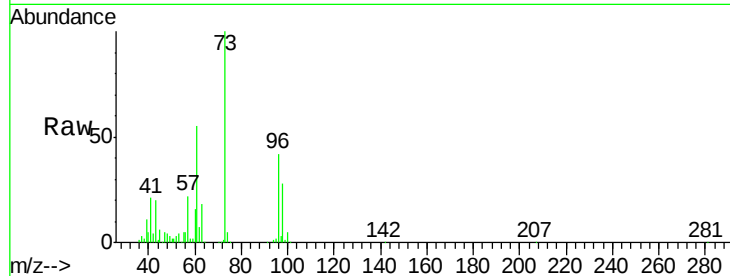
Methyl tert-butyl Ether
 Concen: 45.756 ug/l
 RT: 5.49 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VD064559.D
 Acq: 23 Dec 2019 10:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.4	17.6	26.4

Manual Integrations
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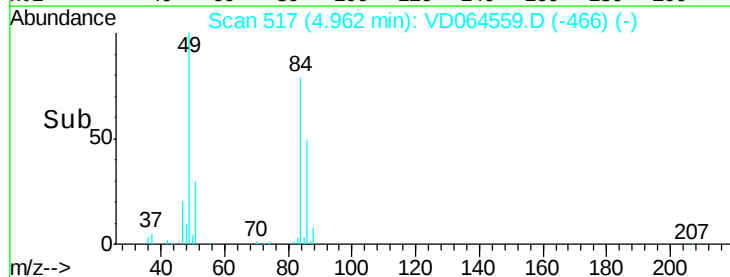
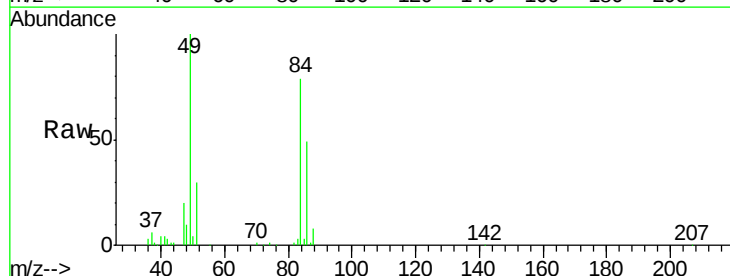
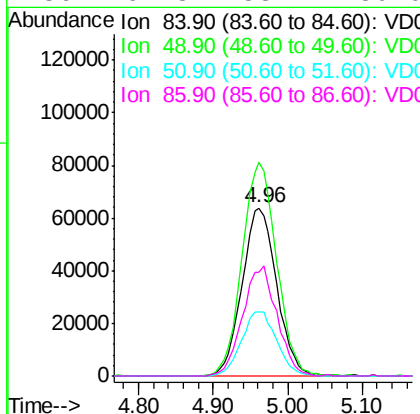
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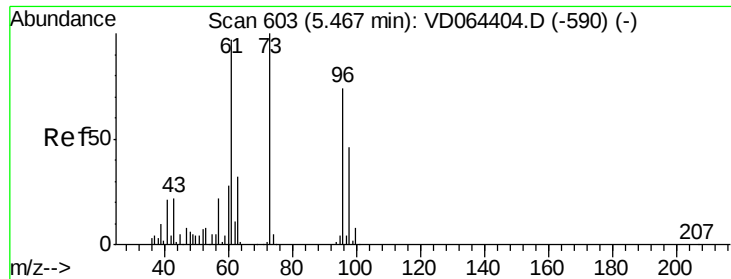


#20

Methylene Chloride
 Concen: 49.806 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VD064559.D
 Acq: 23 Dec 2019 10:35

Tgt Ion	Ratio	Lower	Upper
84	100		
49	127.3	102.6	153.8
51	37.8	32.0	48.0
86	61.8	53.4	80.0





#21

trans-1,2-Dichloroethene

Concen: 48.809 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD064559.D

Acq: 23 Dec 2019 10:35

Instrument :

MSVOA_D

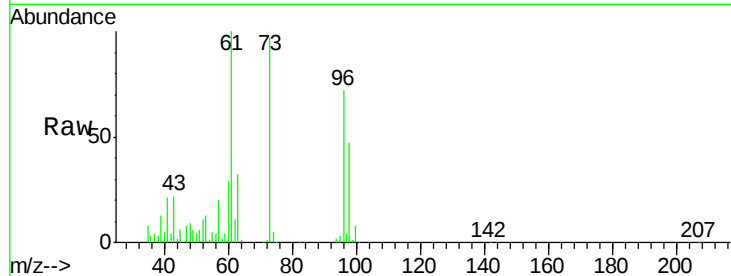
ClientSampleId :

VSTDCCC050

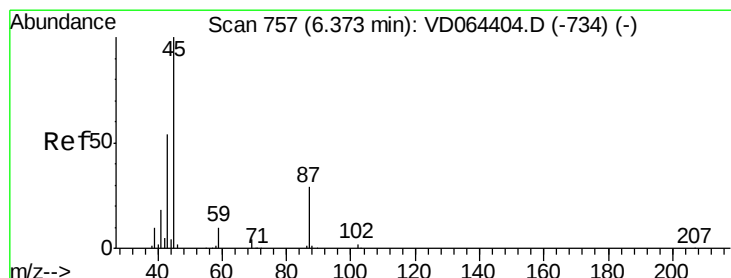
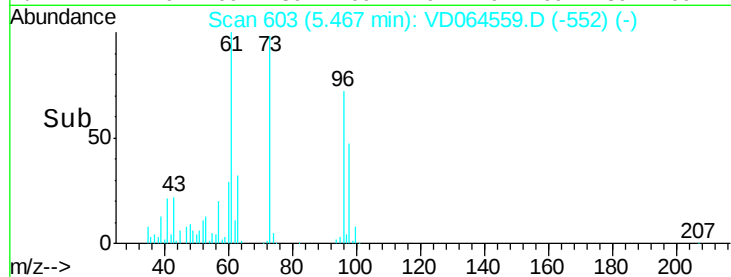
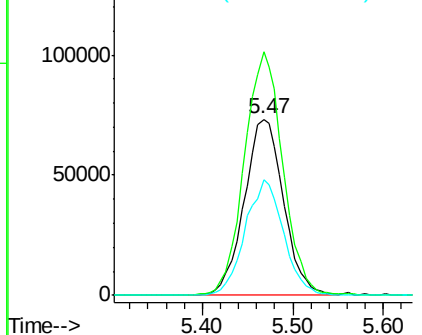
Tot Ion:	96	Resp:	221521
Ion	Ratio	Lower	Upper
96	100		
61	138.5	105.8	158.6
98	65.4	50.1	75.1

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



#22

Diisopropyl ether

Concen: 49.633 ug/l

RT: 6.37 min Scan# 756

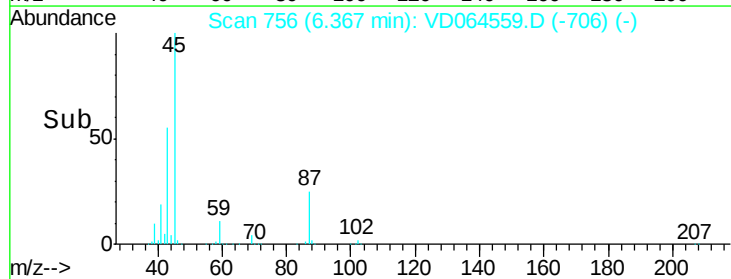
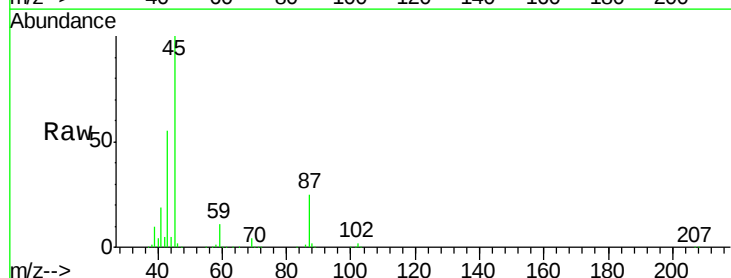
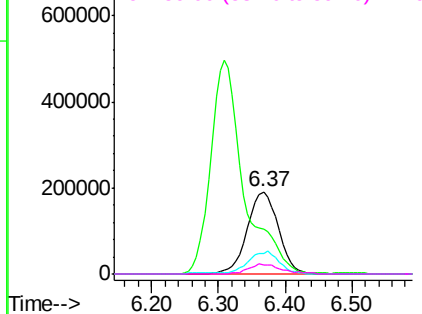
Delta R.T. -0.01 min

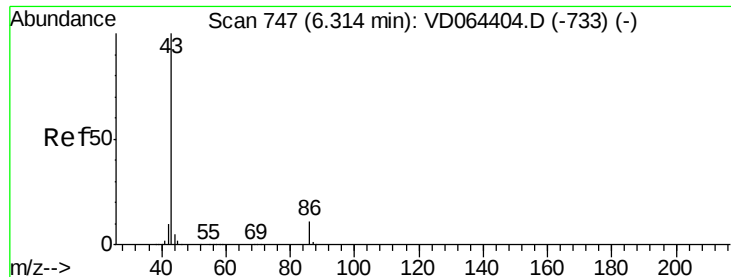
Lab File: VD064559.D

Acq: 23 Dec 2019 10:35

Tgt Ion:	45	Resp:	613540
Ion	Ratio	Lower	Upper
45	100		
43	54.2	43.1	64.7
87	25.0	23.5	35.3
59	10.7	8.2	12.2

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





#23

Vinyl Acetate

Concen: 236.614 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064559.D

Acq: 23 Dec 2019 10:35

Tot Ion: 43 Resp: 1724325

Ion Ratio Lower Upper

43 100

86 10.4 8.9 13.3

Instrument :

MSVOA_D

ClientSampleId :

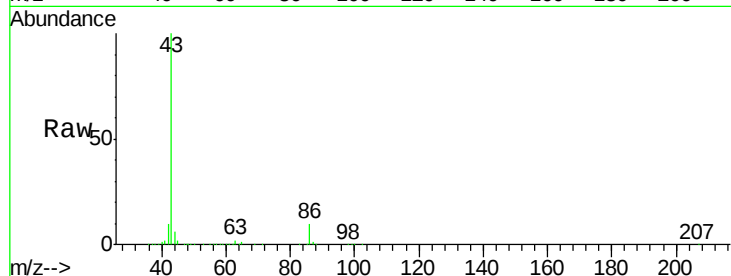
VSTDCCC050

Manual Integrations

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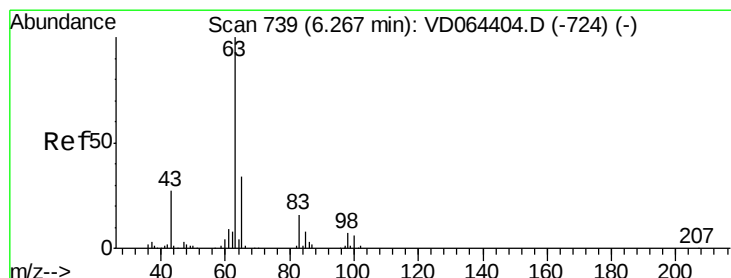
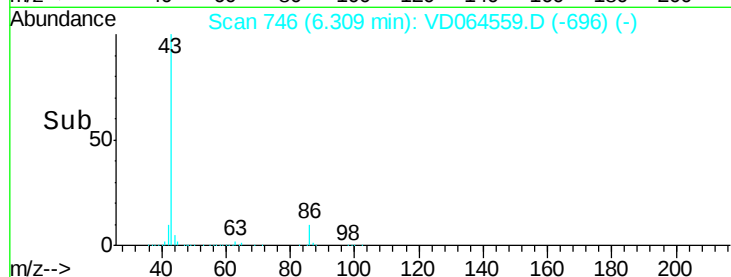
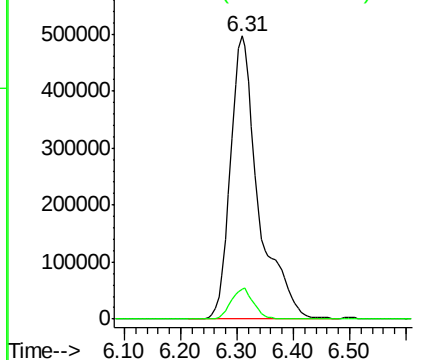
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 51.605 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064559.D

Acq: 23 Dec 2019 10:35

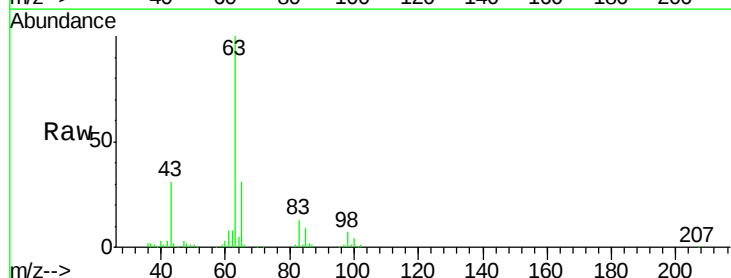
Tgt Ion: 63 Resp: 383630

Ion Ratio Lower Upper

63 100

98 6.7 3.6 10.9

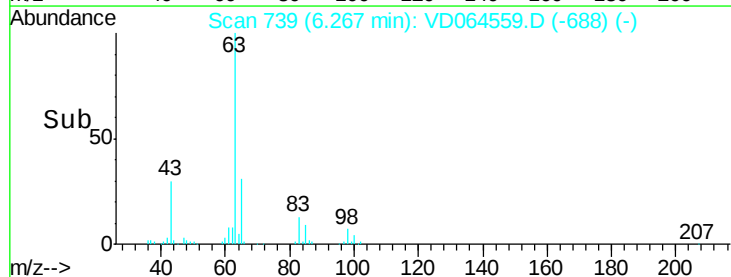
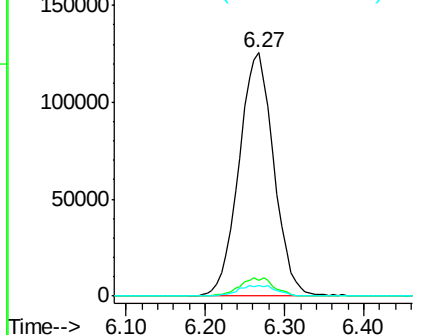
100 4.2 2.9 8.6

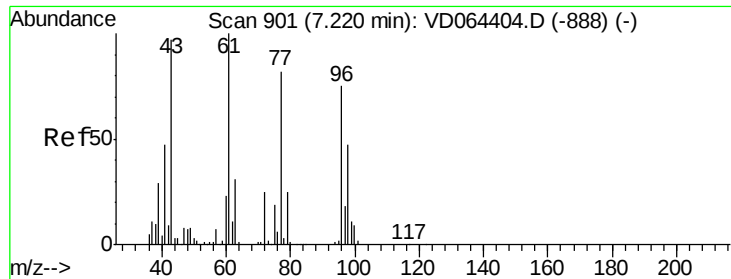


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 230.497 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064559.D

Acq: 23 Dec 2019 10:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 265413

Ion Ratio Lower Upper

43 100

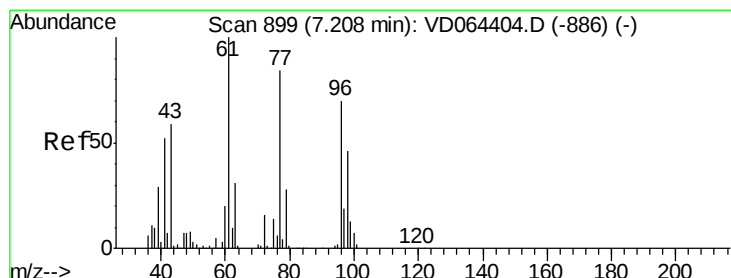
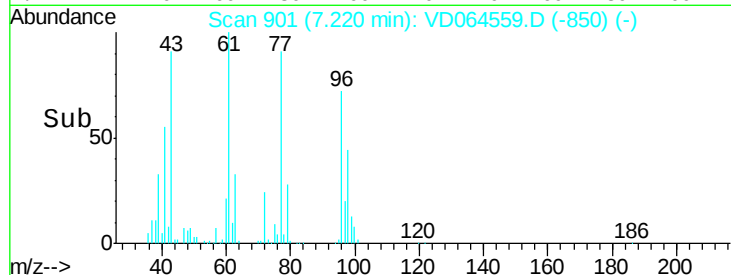
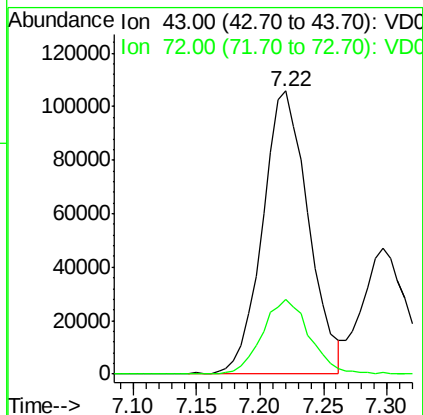
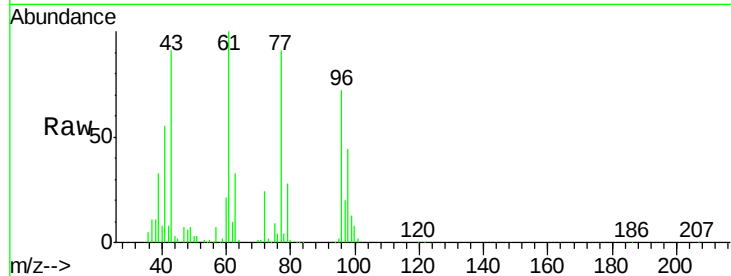
72 26.5 21.0 31.4

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#26

2,2-Dichloropropane

Concen: 57.019 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064559.D

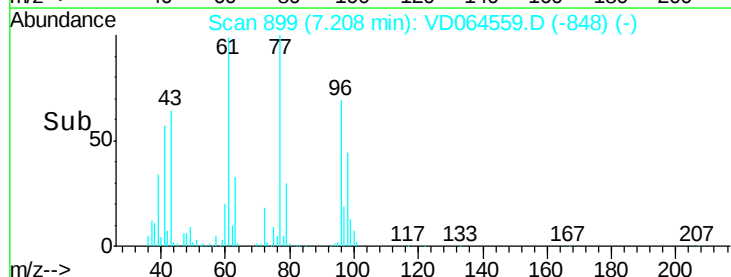
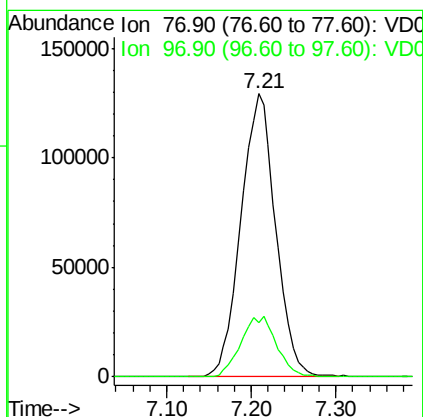
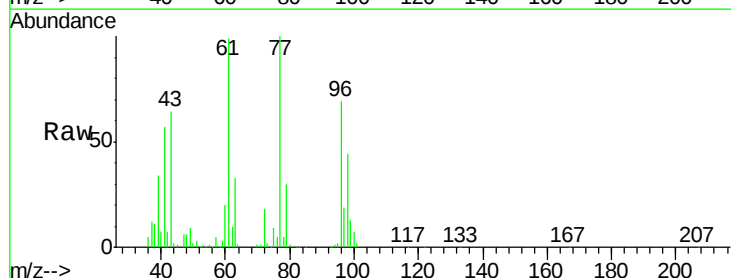
Acq: 23 Dec 2019 10:35

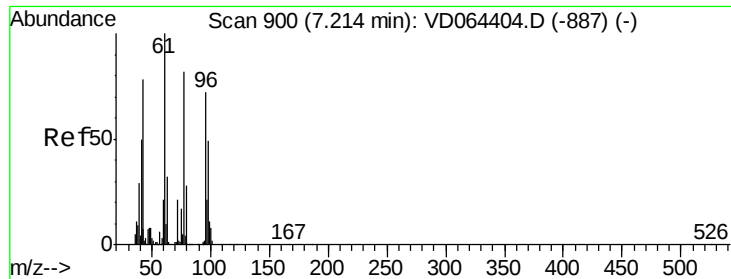
Tgt Ion: 77 Resp: 368631

Ion Ratio Lower Upper

77 100

97 22.0 11.6 34.7





#27

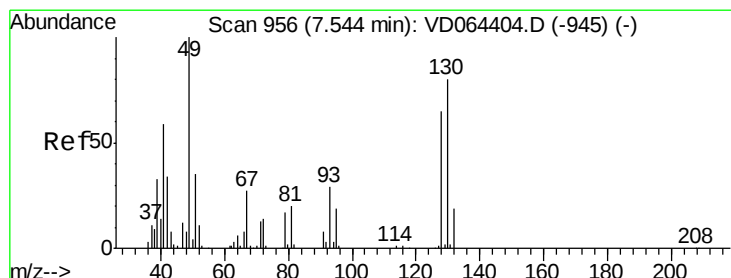
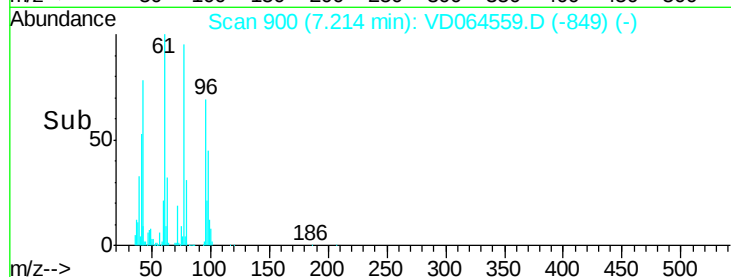
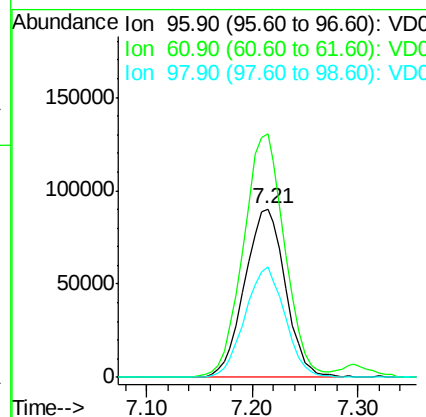
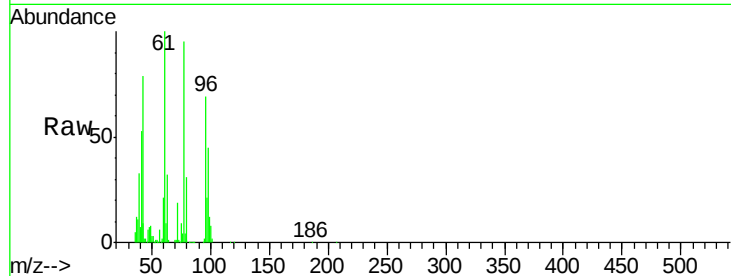
cis-1,2-Dichloroethene
Concen: 48.761 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD064559.D
Acq: 23 Dec 2019 10:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	147.0	0.0	279.6
98	64.4	0.0	129.2

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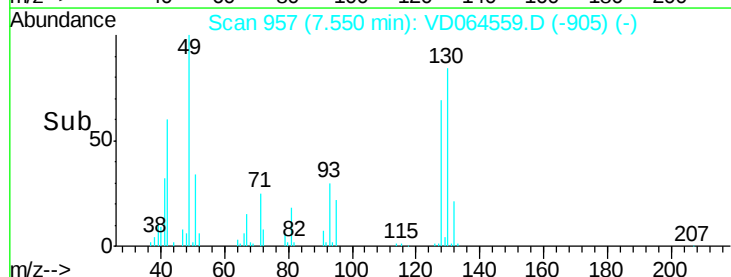
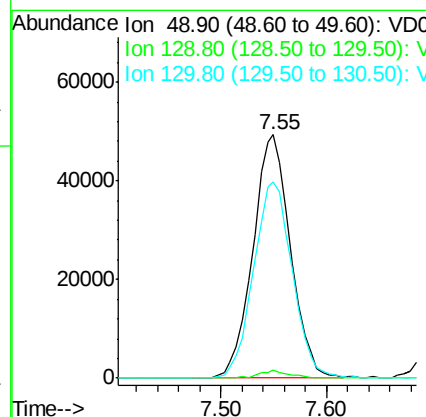
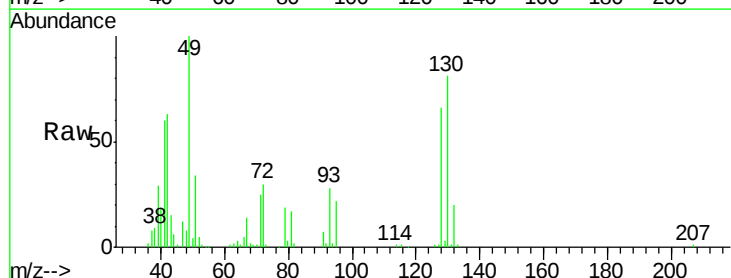
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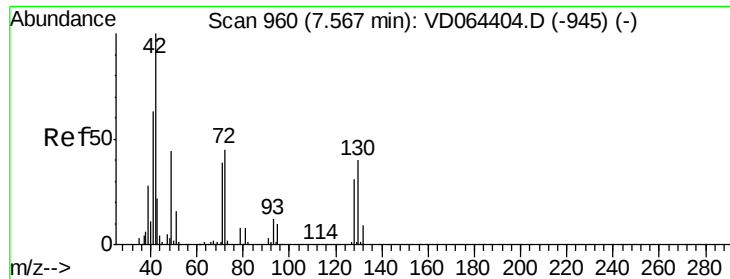


#28

Bromochloromethane
Concen: 47.906 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.01 min
Lab File: VD064559.D
Acq: 23 Dec 2019 10:35

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.4
130	83.3	67.4	101.0





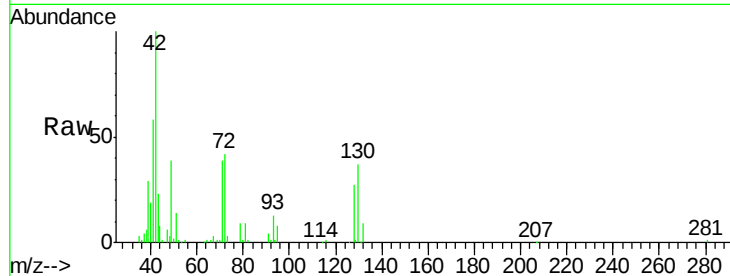
#29
Tetrahydrofuran
Concen: 214.632 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.00 min
Lab File: VD064559.D
Acq: 23 Dec 2019 10:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

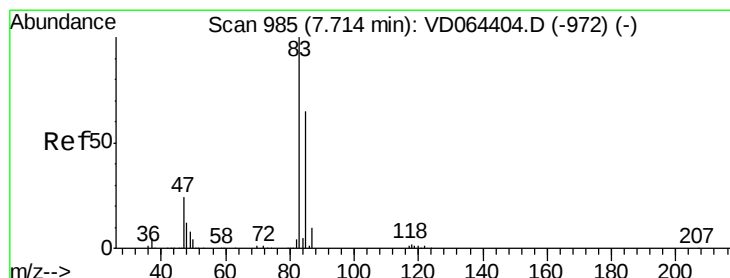
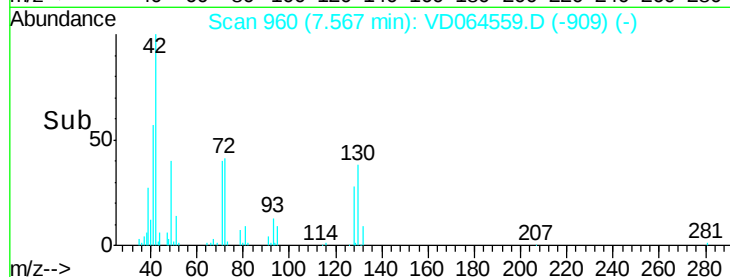
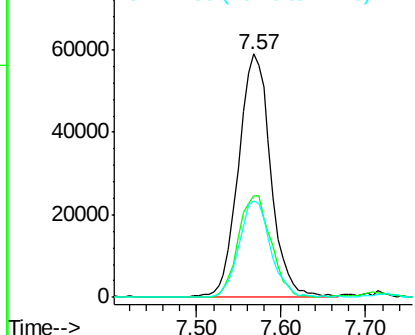
Tot Ion	Ratio	Lower	Upper
42	100		
72	42.1	35.8	53.8
71	38.7	32.7	49.1

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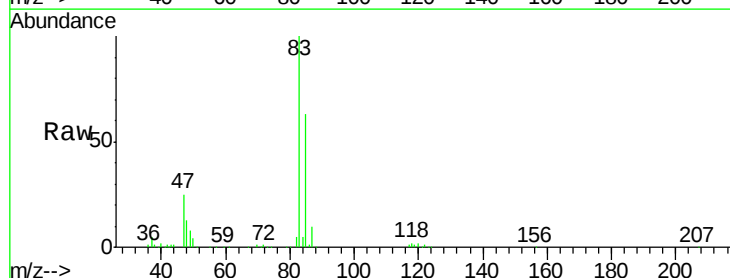


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

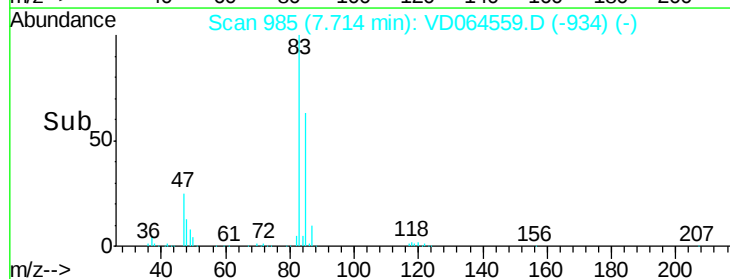
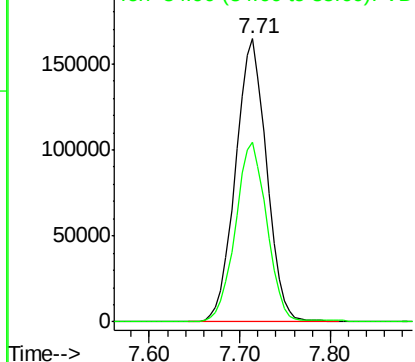


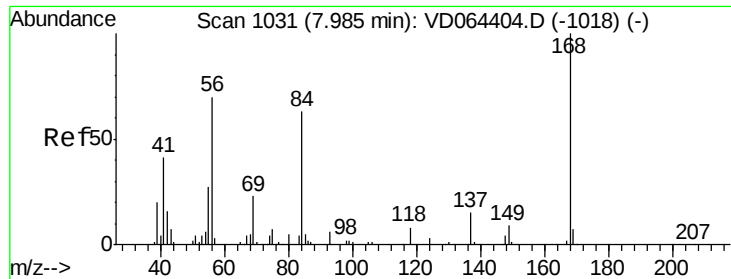
#30
Chloroform
Concen: 50.984 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064559.D
Acq: 23 Dec 2019 10:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.8	77.6



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC





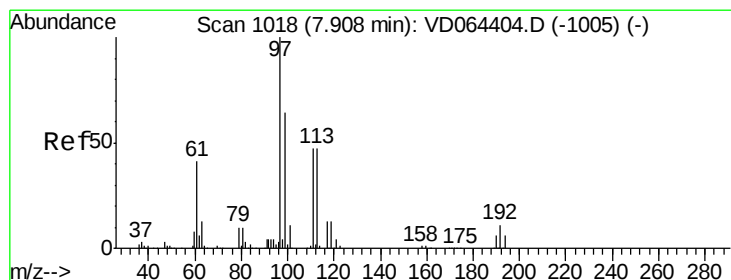
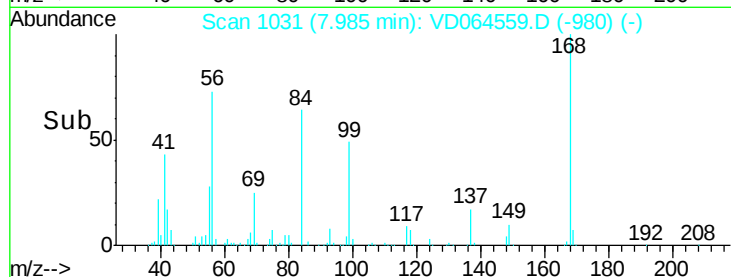
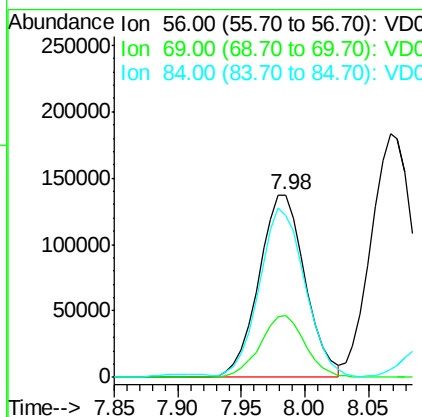
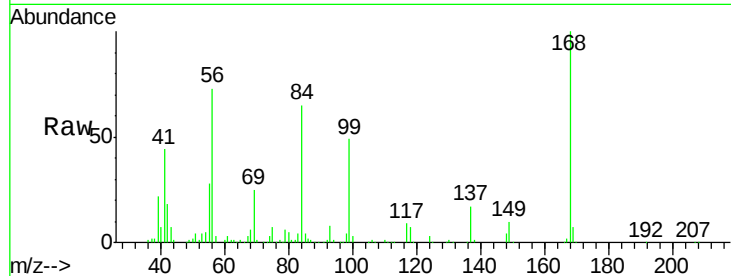
#31
Cyclohexane
Concen: 54.220 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064559.D
Acq: 23 Dec 2019 10:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.8	26.2	39.4
84	87.1	70.3	105.5

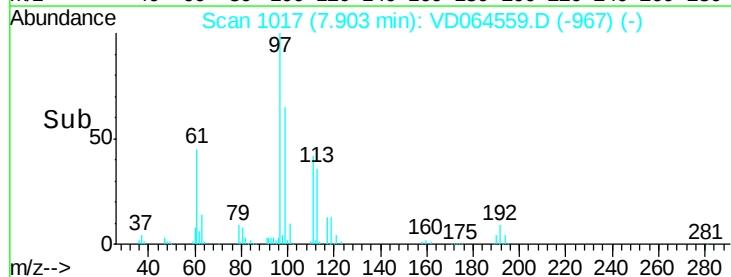
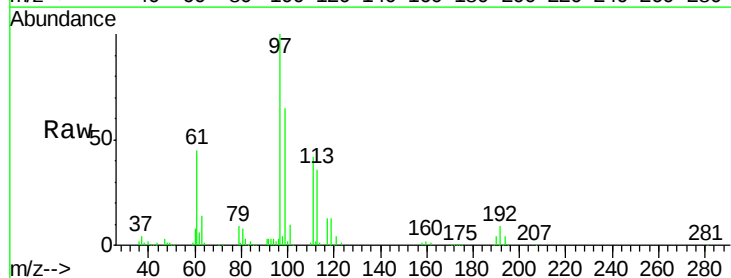
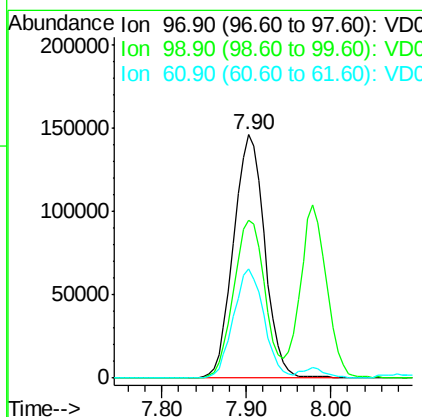
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#32
1,1,1-Trichloroethane
Concen: 52.259 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064559.D
Acq: 23 Dec 2019 10:35

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.4	77.2
61	43.9	35.0	52.4





#33

1,2-Dichloroethane-d4

Concen: 48.982 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD064559.D

Acq: 23 Dec 2019 10:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 197360

Ion Ratio Lower Upper

65 100

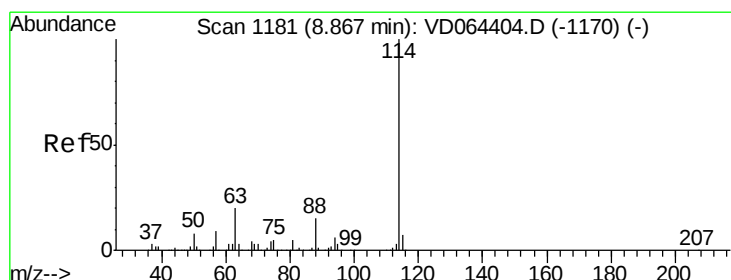
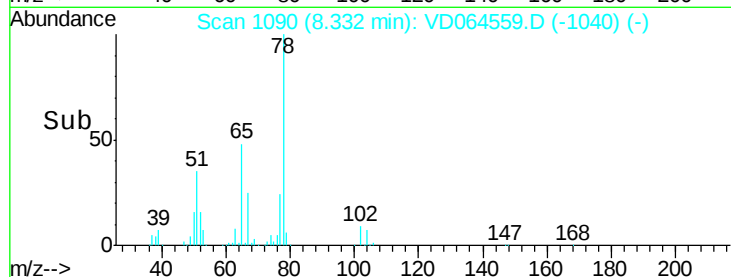
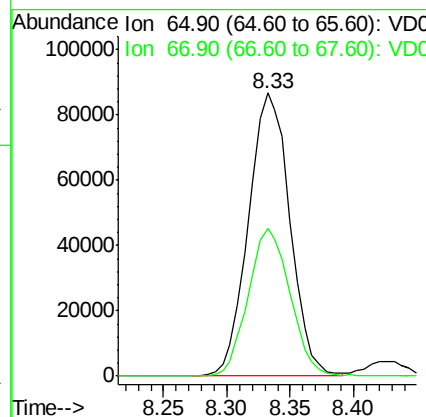
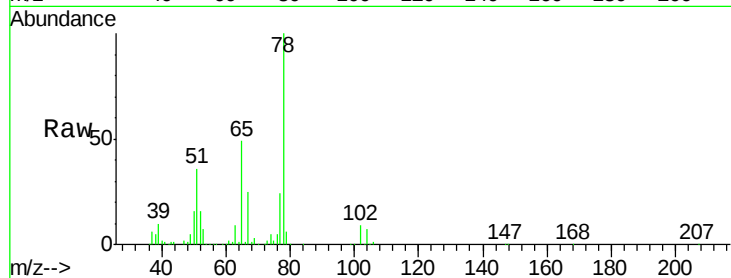
67 52.4 0.0 102.0

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064559.D

Acq: 23 Dec 2019 10:35

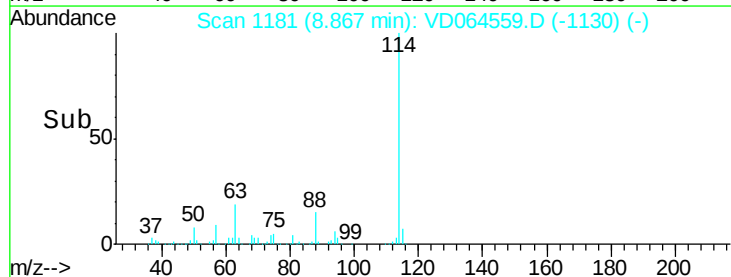
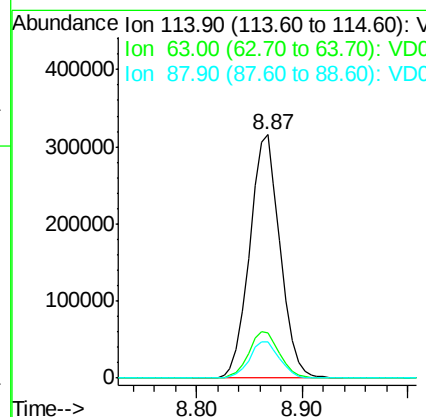
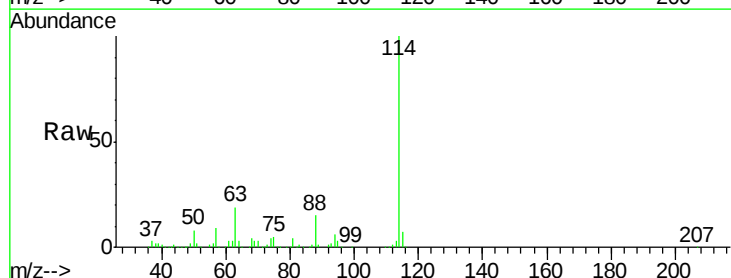
Tgt Ion: 114 Resp: 630428

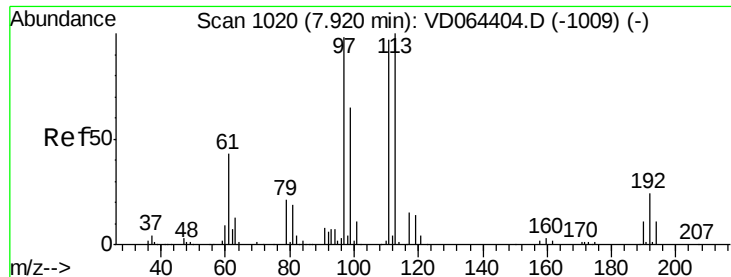
Ion Ratio Lower Upper

114 100

63 18.5 0.0 40.0

88 14.7 0.0 29.2





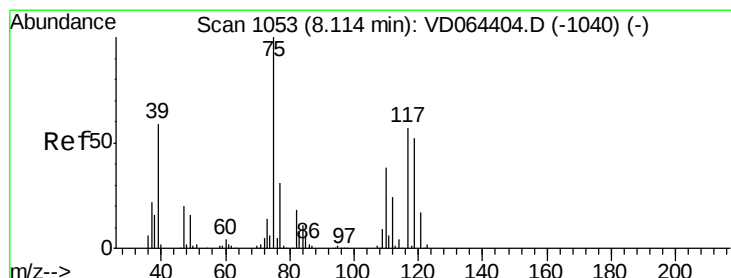
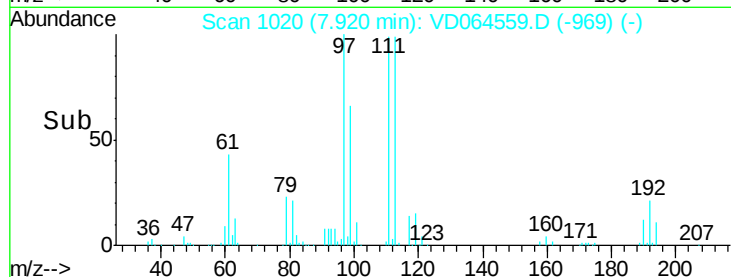
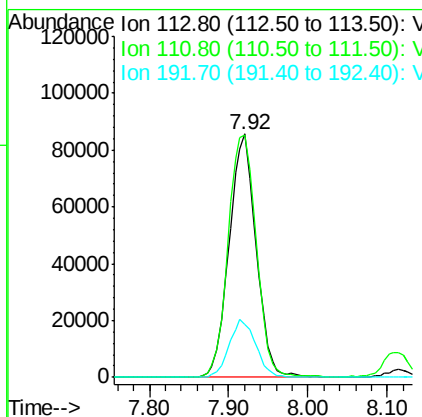
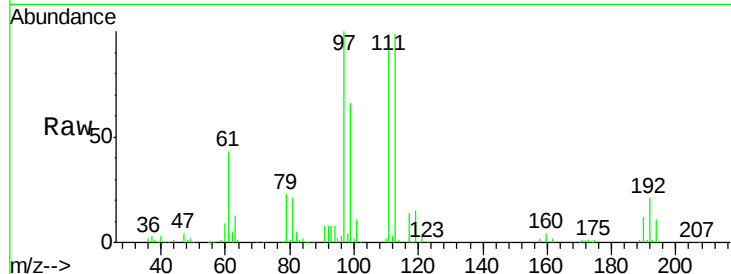
#35
 Dibromofluoromethane
 Concen: 50.727 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064559.D
 Acq: 23 Dec 2019 10:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.2	79.4	119.2
192	23.3	18.6	28.0

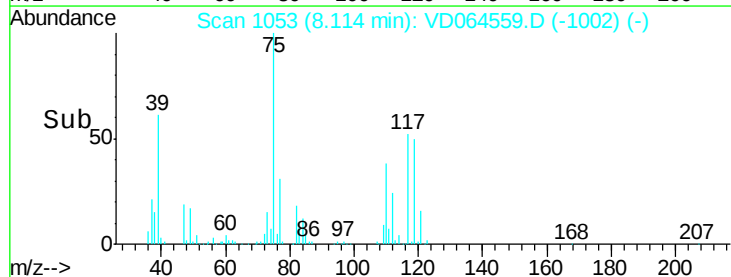
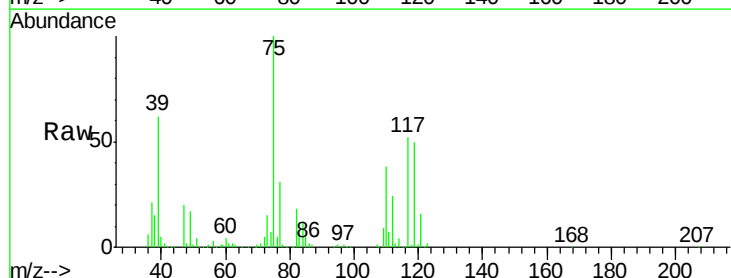
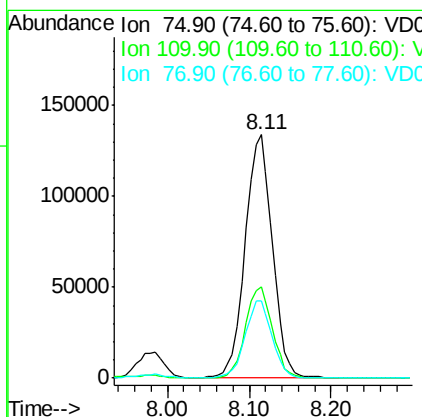
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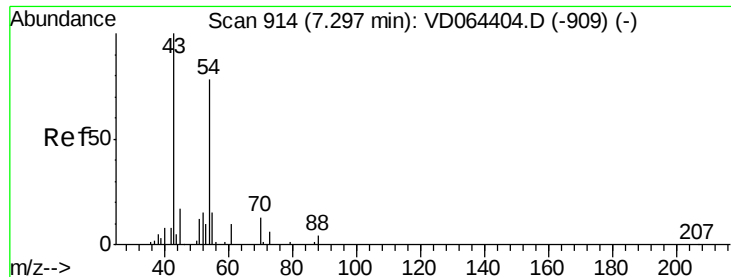
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#36
 1,1-Dichloropropene
 Concen: 51.876 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064559.D
 Acq: 23 Dec 2019 10:35

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.2	18.6	55.8
77	31.6	25.0	37.4





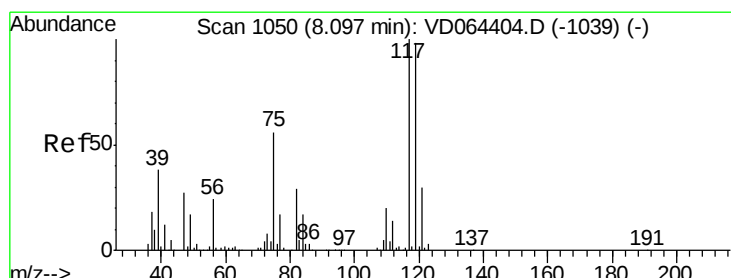
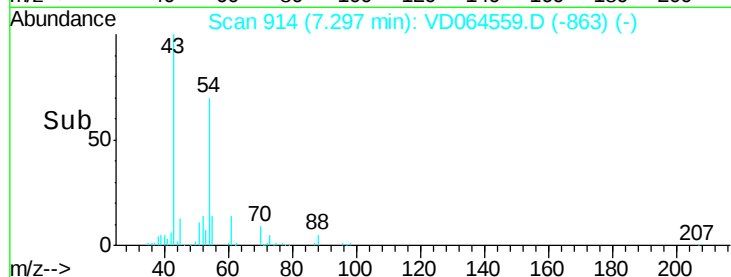
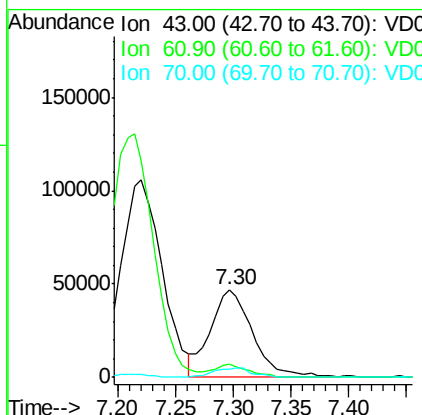
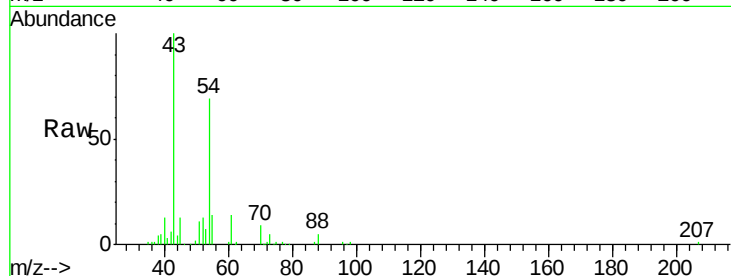
#37
Ethyl Acetate
Concen: 46.169 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD064559.D
Acq: 23 Dec 2019 10:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.4	10.9	16.3
70	10.2	8.3	12.5

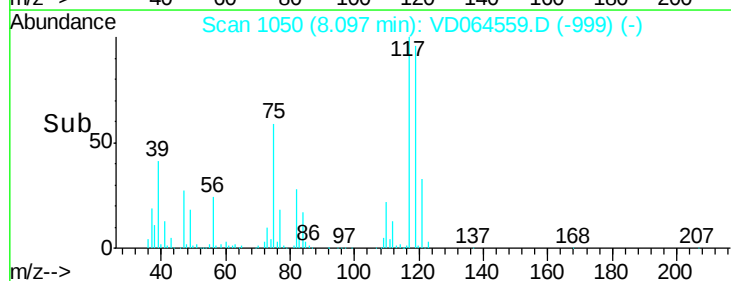
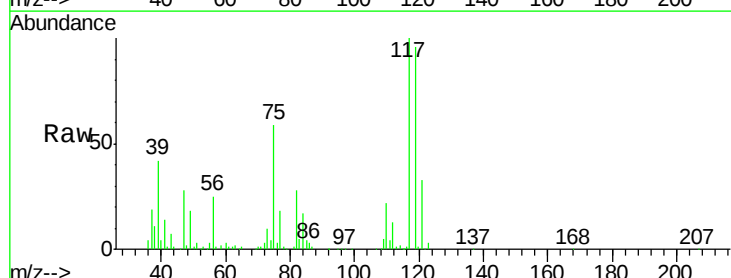
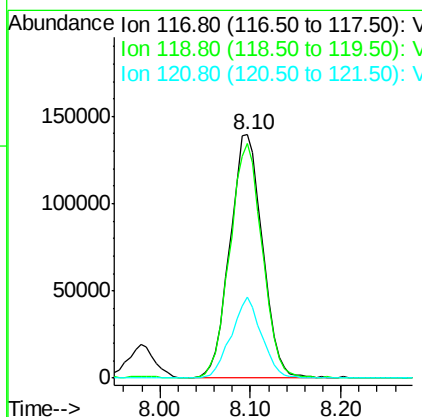
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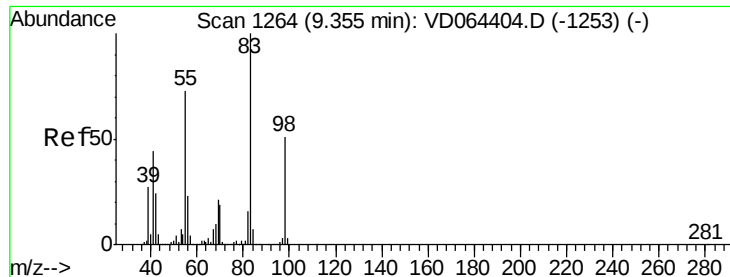
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#38
Carbon Tetrachloride
Concen: 55.183 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064559.D
Acq: 23 Dec 2019 10:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	78.8	118.2
121	33.1	24.2	36.2





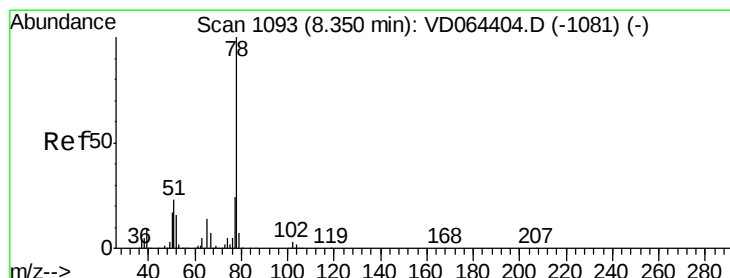
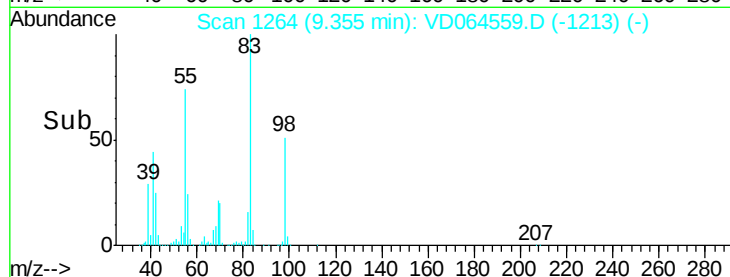
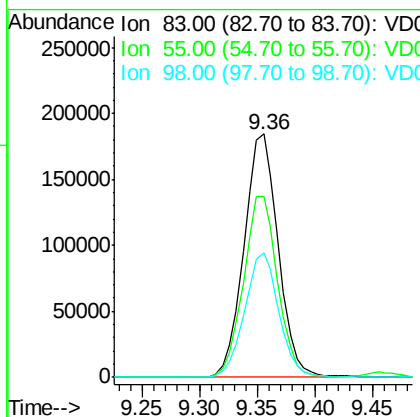
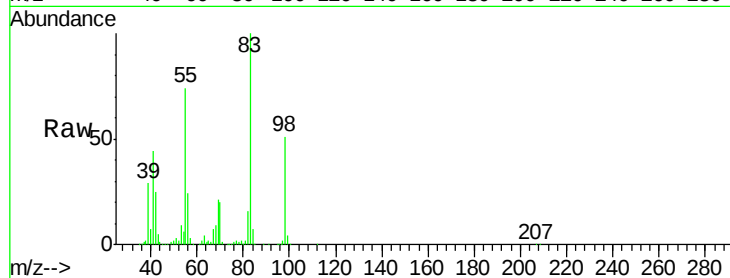
#39
Methvlcvclohexane
Concen: 51.456 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064559.D
Acq: 23 Dec 2019 10:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.3	58.6	87.8
98	51.3	40.9	61.3

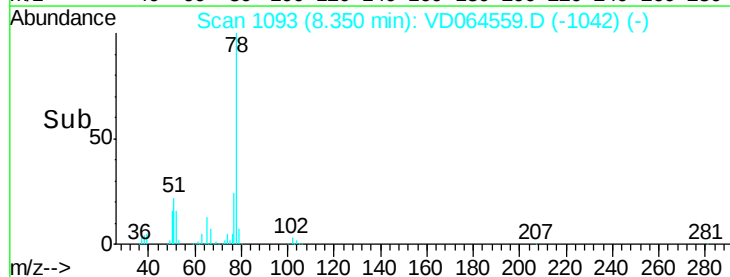
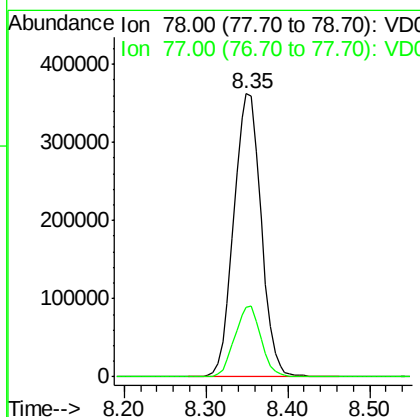
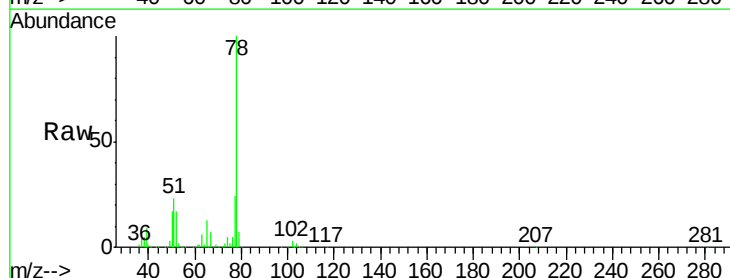
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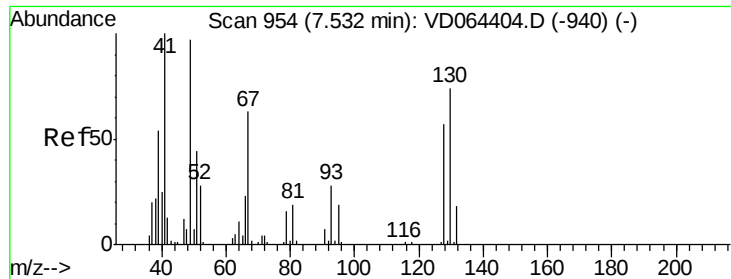
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#40
Benzene
Concen: 51.068 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD064559.D
Acq: 23 Dec 2019 10:35

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.6	29.4





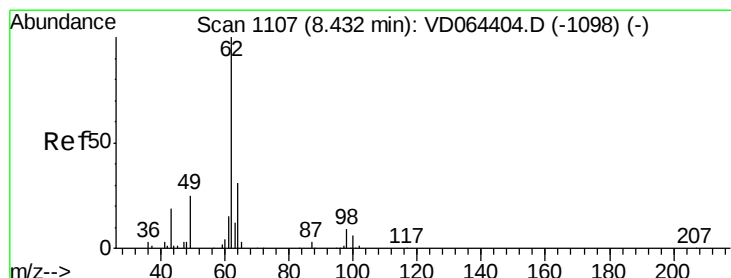
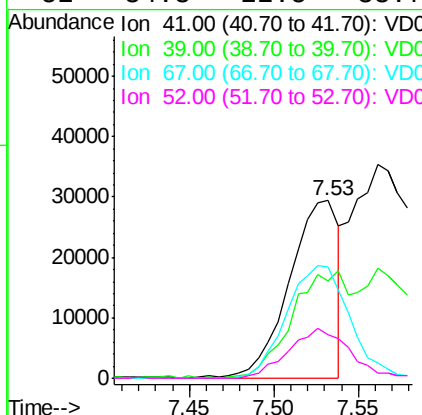
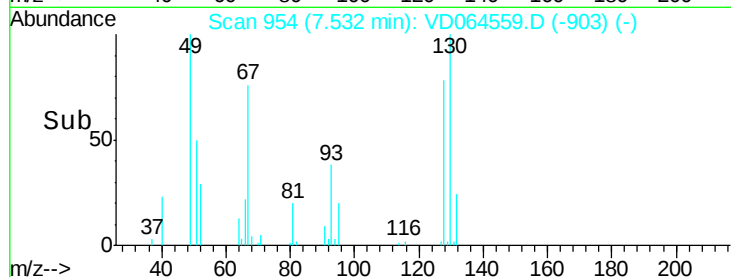
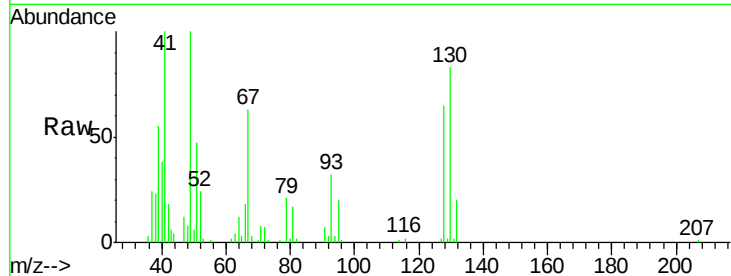
#41
Methacrylonitrile
Concen: 41.158 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.00 min
Lab File: VD064559.D
Acq: 23 Dec 2019 10:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	67.3	44.6	67.0#
67	80.6	50.9	76.3#
52	34.3	22.5	33.7#

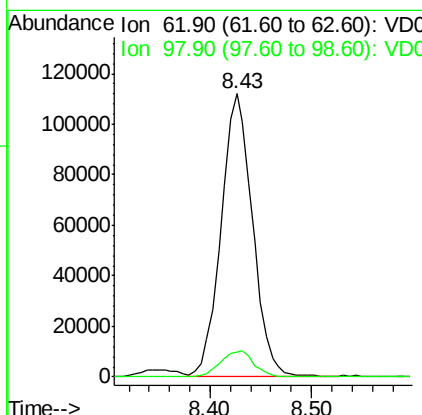
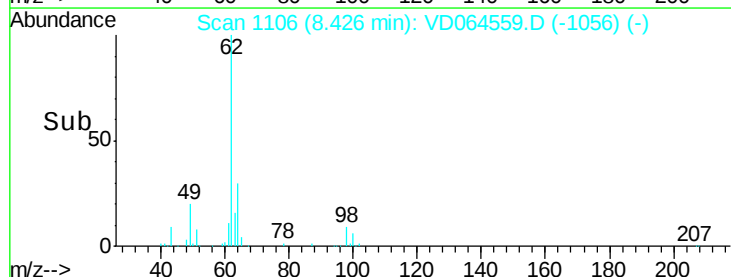
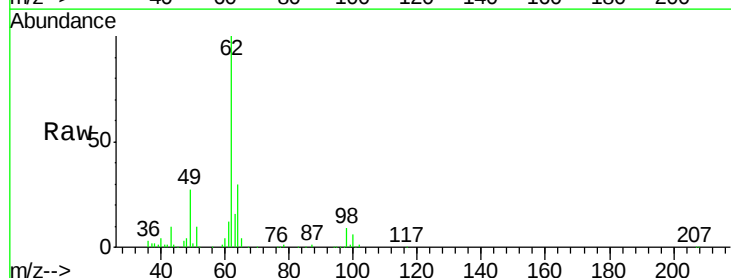
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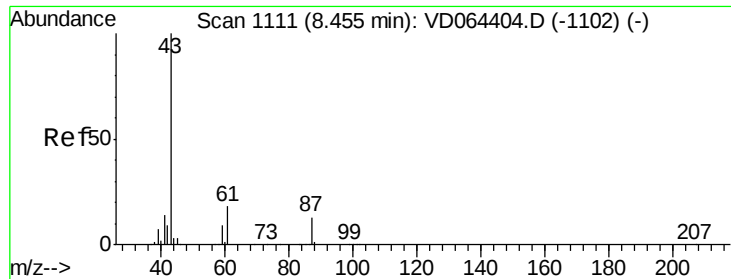
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#42
1,2-Dichloroethane
Concen: 50.067 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD064559.D
Acq: 23 Dec 2019 10:35

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	20.6





#43

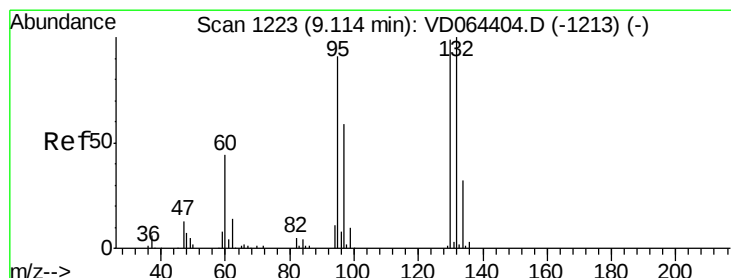
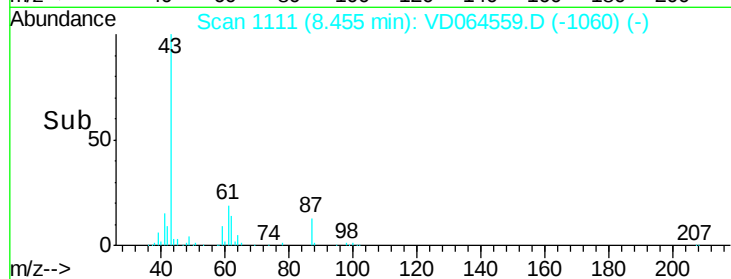
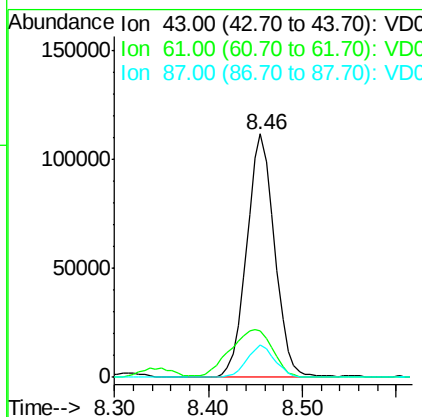
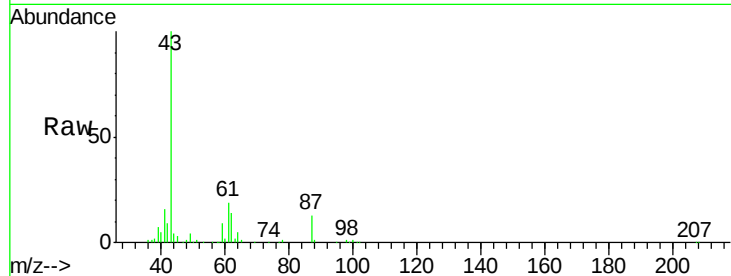
Isopropyl Acetate
 Concen: 46.183 ug/l
 RT: 8.46 min Scan# 1111
 Delta R.T. 0.00 min
 Lab File: VD064559.D
 Acq: 23 Dec 2019 10:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	43	Resp	229755
Ion Ratio	Lower	Upper	
43	100		
61	30.2	24.0	36.0
87	13.2	10.6	15.8

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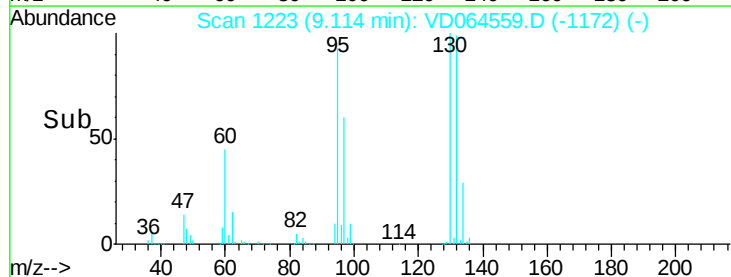
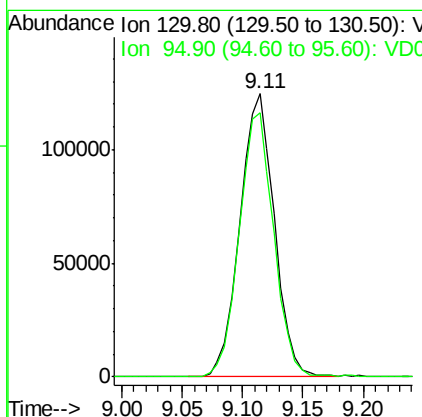
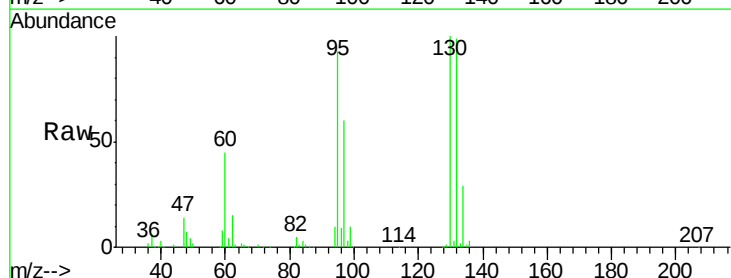
apatel
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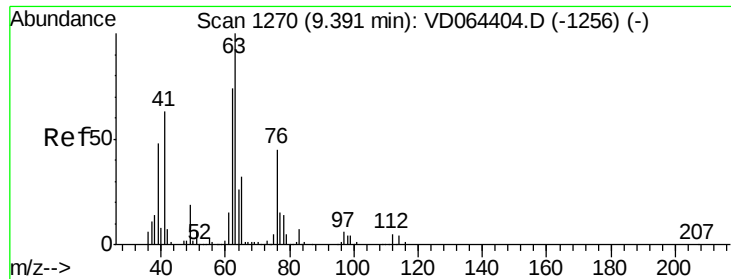


#44

Trichloroethene
 Concen: 49.674 ug/l
 RT: 9.11 min Scan# 1223
 Delta R.T. 0.00 min
 Lab File: VD064559.D
 Acq: 23 Dec 2019 10:35

Tgt Ion	130	Resp	247817
Ion Ratio	Lower	Upper	
130	100		
95	93.4	0.0	184.6





#45

1,2-Dichloropropane

Concen: 52.040 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064559.D

Acq: 23 Dec 2019 10:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 206124

Ion Ratio Lower Upper

63 100

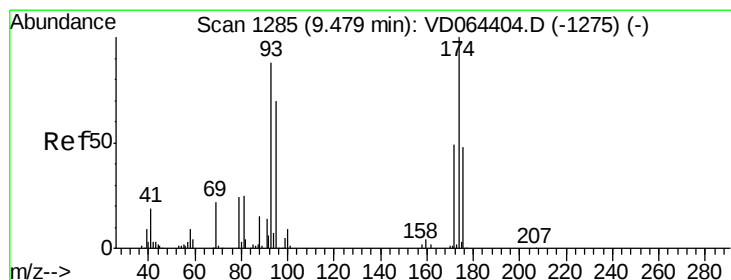
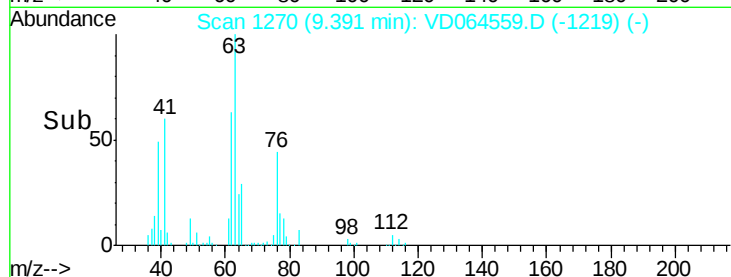
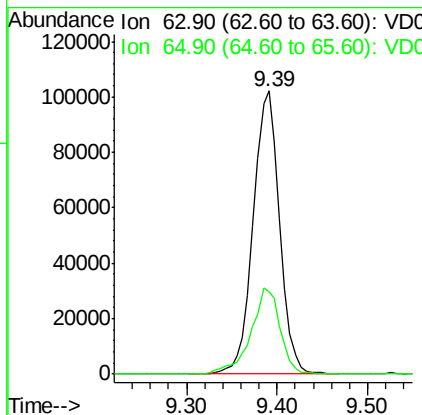
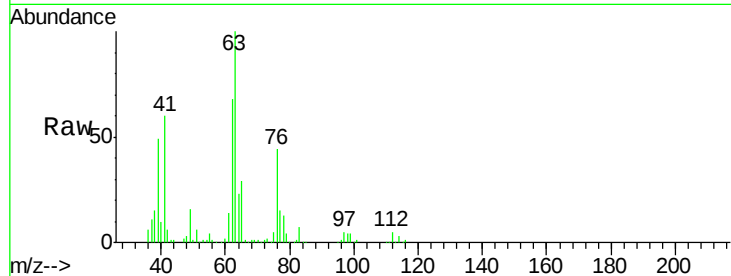
65 29.2 25.4 38.0

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#46

Dibromomethane

Concen: 48.321 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064559.D

Acq: 23 Dec 2019 10:35

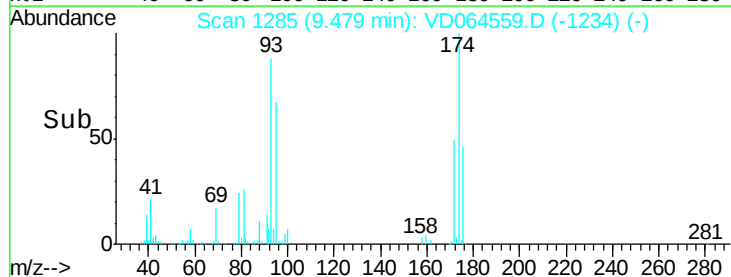
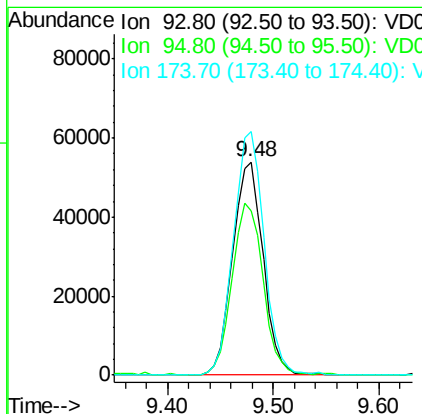
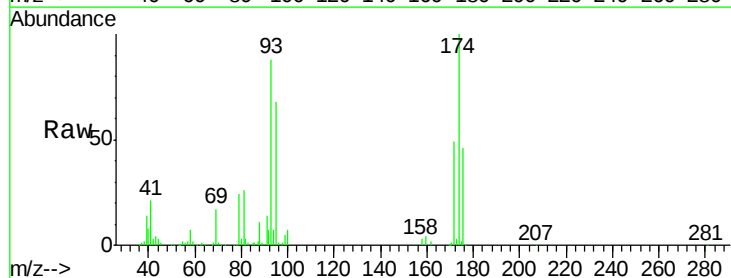
Tgt Ion: 93 Resp: 108022

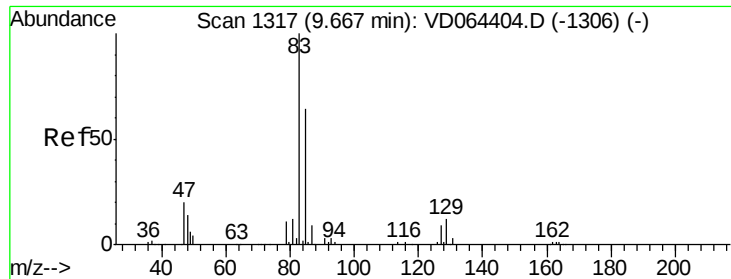
Ion Ratio Lower Upper

93 100

95 82.0 66.7 100.1

174 114.5 92.3 138.5





#47

Bromodichloromethane

Concen: 50.825 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064559.D

Acq: 23 Dec 2019 10:35

Instrument :

MSVOA_D

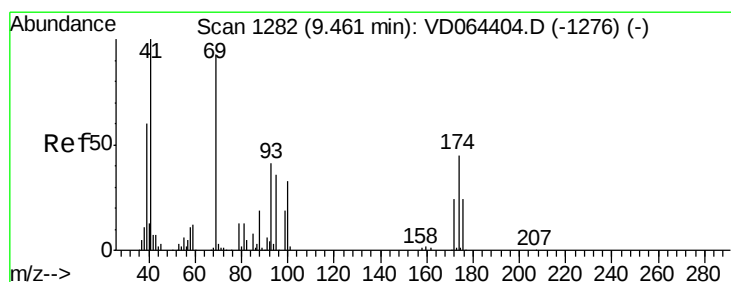
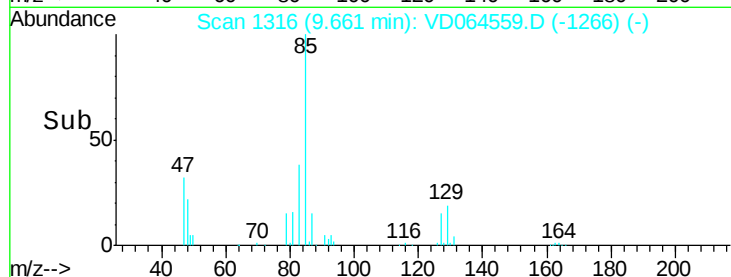
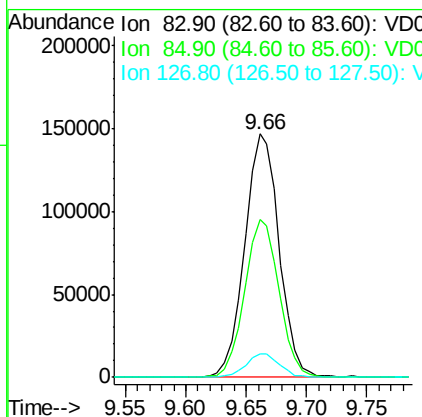
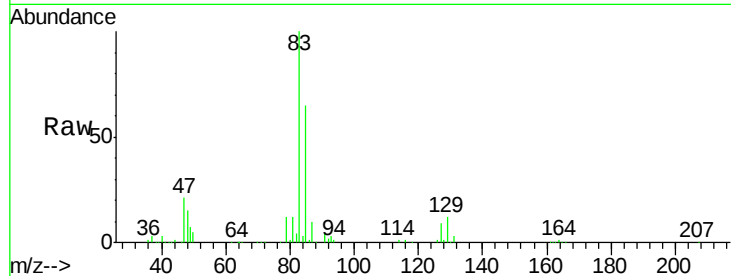
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	291944
Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.1	76.7
127	9.4	7.4	11.0

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#48

Methyl methacrylate

Concen: 47.567 ug/l

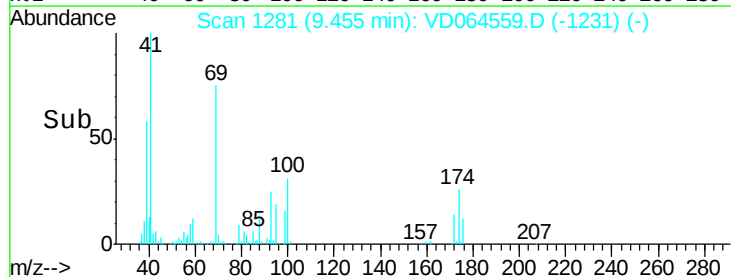
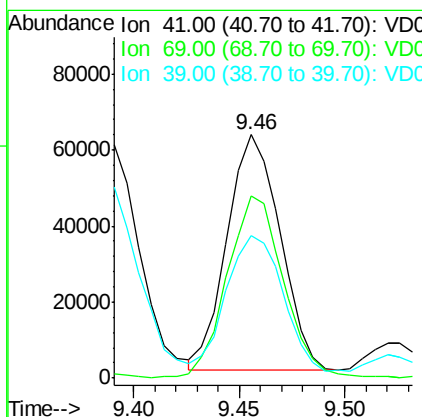
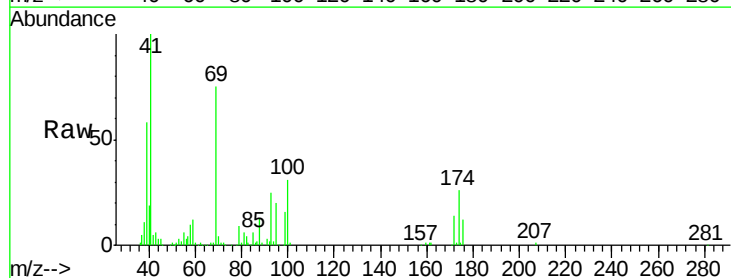
RT: 9.46 min Scan# 1281

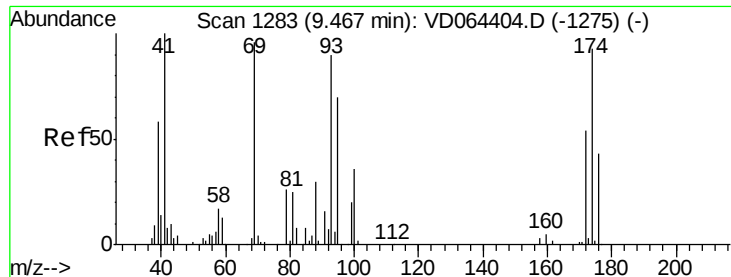
Delta R.T. -0.01 min

Lab File: VD064559.D

Acq: 23 Dec 2019 10:35

Tgt Ion:	41	Resp:	108285
Ion	Ratio	Lower	Upper
41	100		
69	81.4	72.0	108.0
39	60.6	55.2	82.8





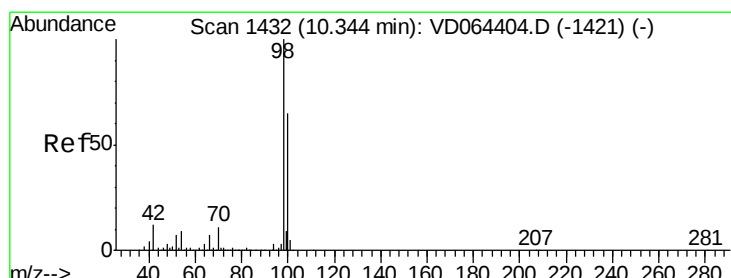
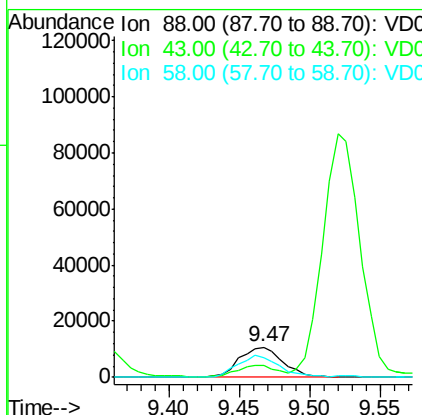
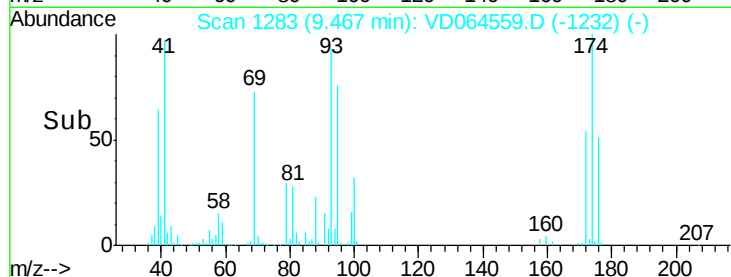
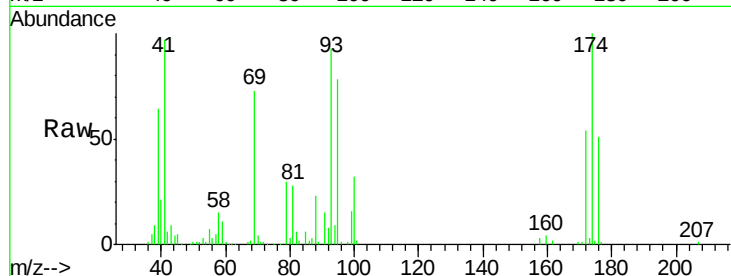
#49
1,4-Dioxane
Concen: 852.230 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD064559.D
Acq: 23 Dec 2019 10:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	23526
Ion	Ratio	Lower	Upper
88	100		
43	35.7	26.7	40.1
58	68.7	52.3	78.5

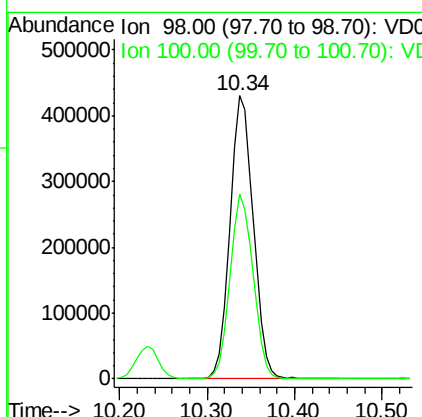
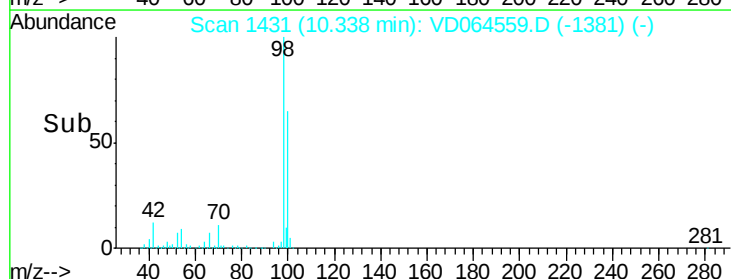
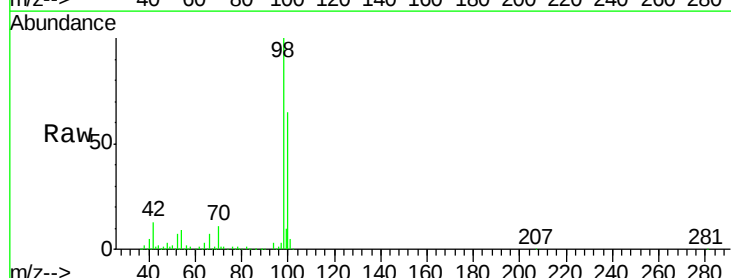
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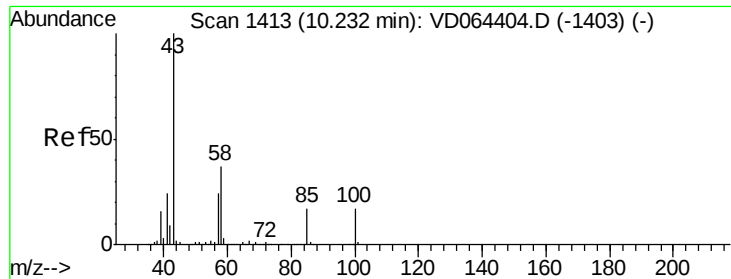
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#50
Toluene-d8
Concen: 52.336 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VD064559.D
Acq: 23 Dec 2019 10:35

Tgt Ion	98	Resp	783058
Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.6	79.0





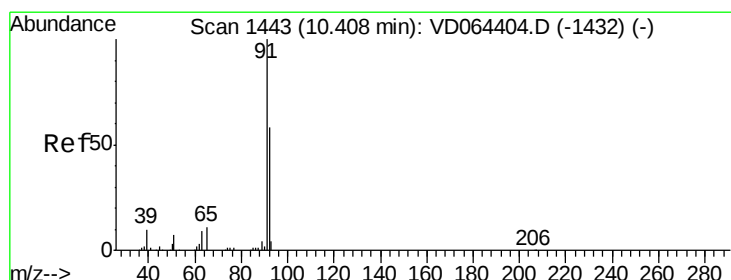
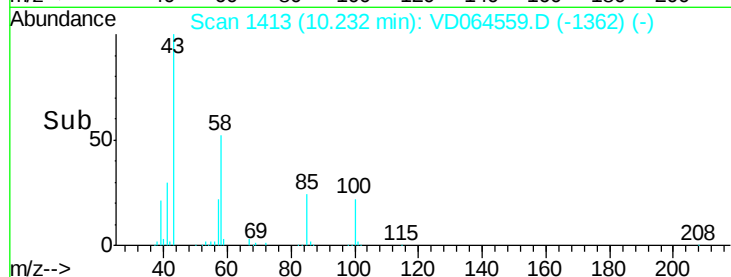
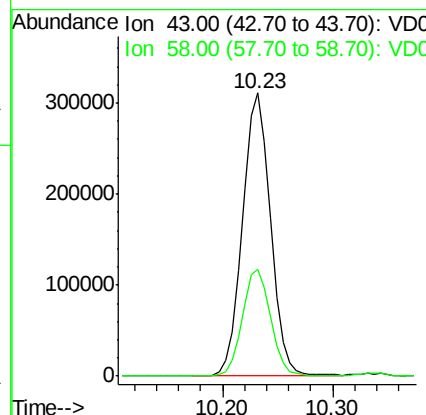
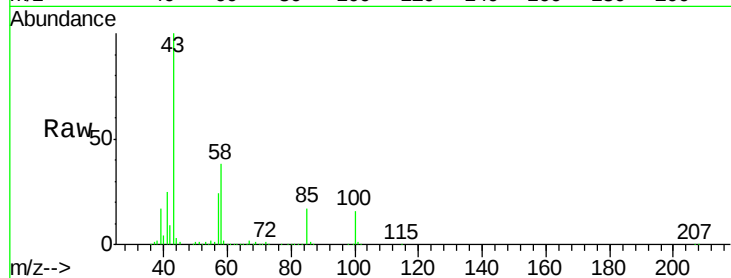
#51
4-Methyl-2-Pentanone
Concen: 226.613 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD064559.D
Acq: 23 Dec 2019 10:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 557814
Ion Ratio Lower Upper
43 100
58 37.9 30.6 46.0

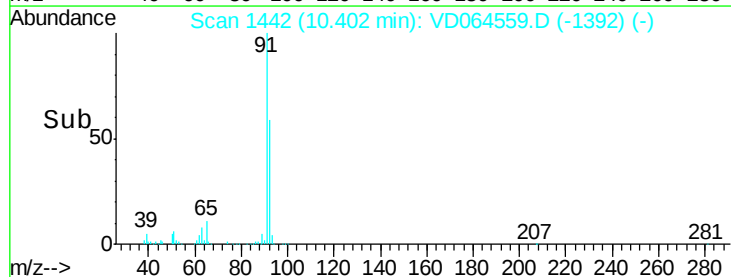
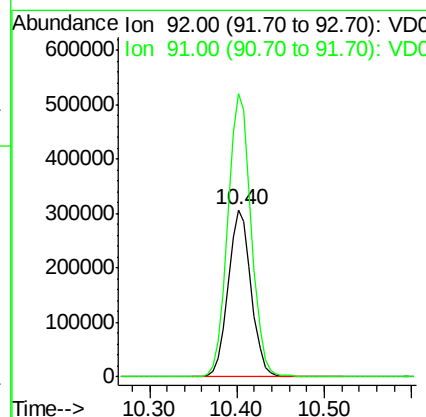
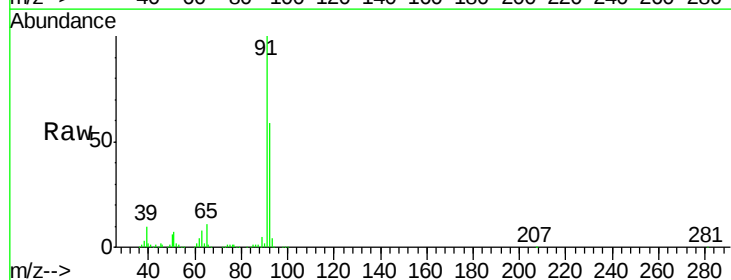
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#52
Toluene
Concen: 51.129 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. -0.01 min
Lab File: VD064559.D
Acq: 23 Dec 2019 10:35

Tgt Ion: 92 Resp: 551854
Ion Ratio Lower Upper
92 100
91 172.9 137.8 206.6





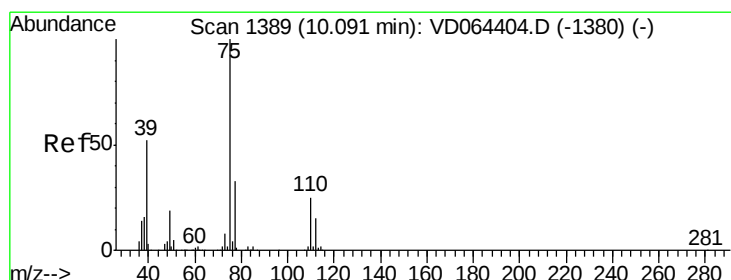
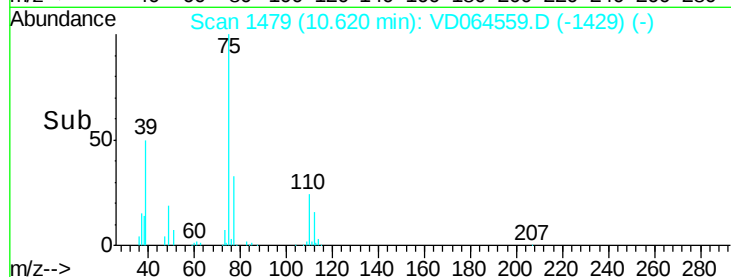
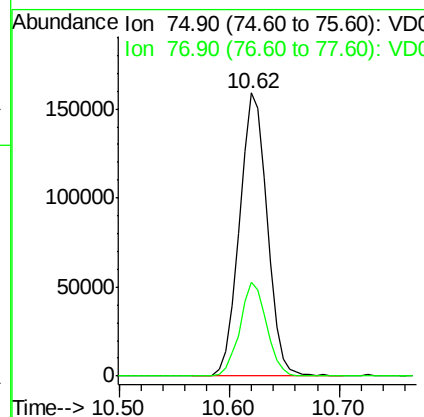
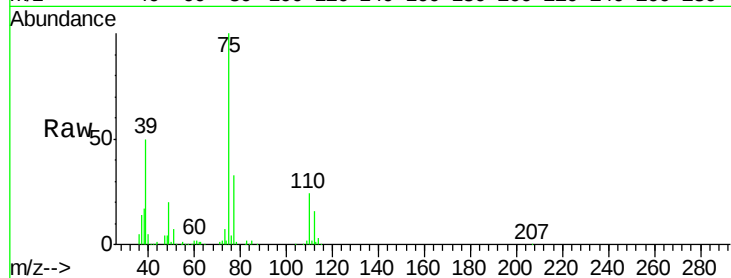
#53
t-1,3-Dichloropropene
Concen: 51.383 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. -0.01 min
Lab File: VD064559.D
Acq: 23 Dec 2019 10:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.1	25.0	37.4

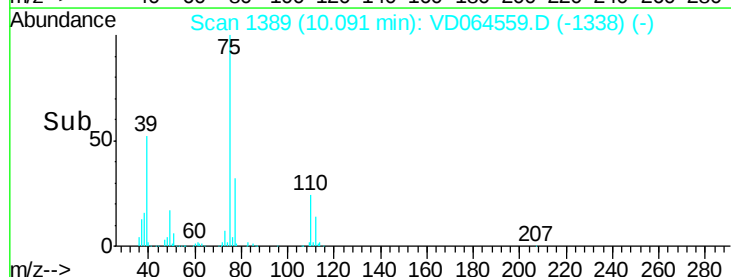
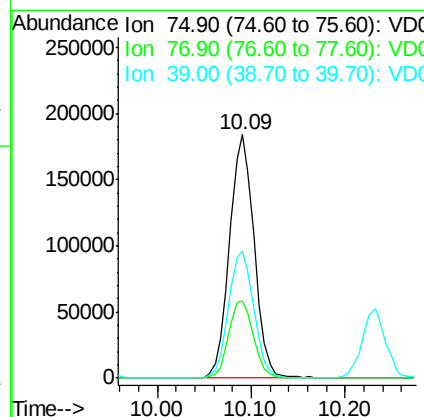
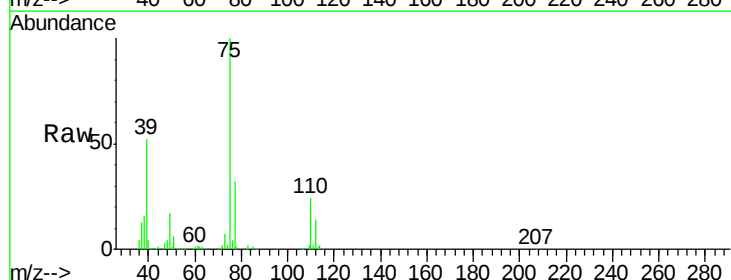
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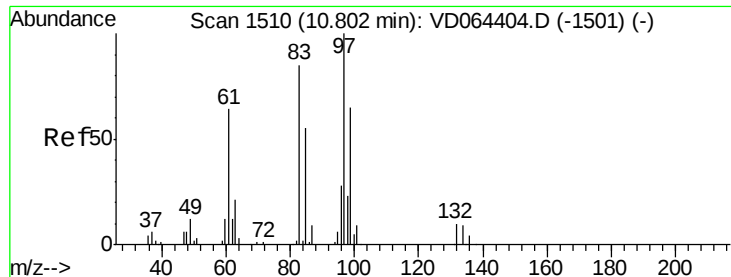
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#54
cis-1,3-Dichloropropene
Concen: 51.487 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD064559.D
Acq: 23 Dec 2019 10:35

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.6	26.1	39.1
39	52.0	41.5	62.3





#55

1,1,2-Trichloroethane

Concen: 47.961 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD064559.D

Acq: 23 Dec 2019 10:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 146810

Ion Ratio Lower Upper

97 100

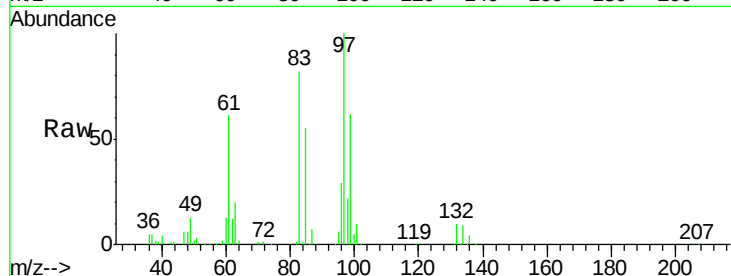
83 81.8 67.8 101.8

85 55.0 43.7 65.5

99 62.4 51.7 77.5

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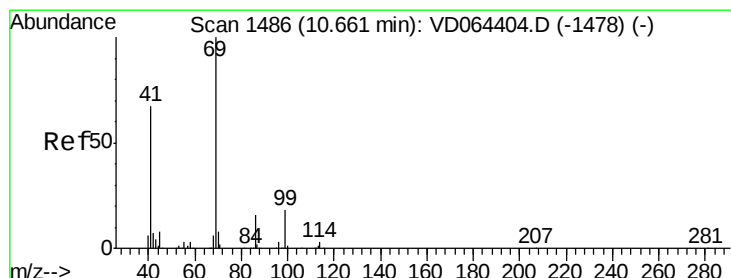
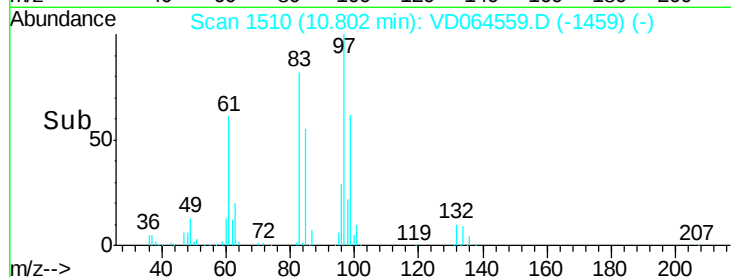
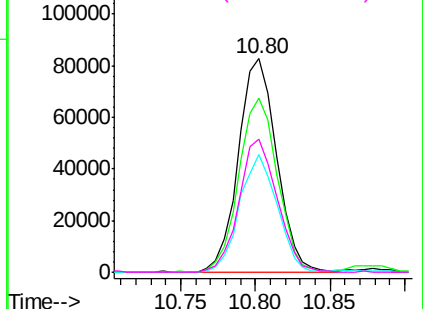


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 45.751 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VD064559.D

Acq: 23 Dec 2019 10:35

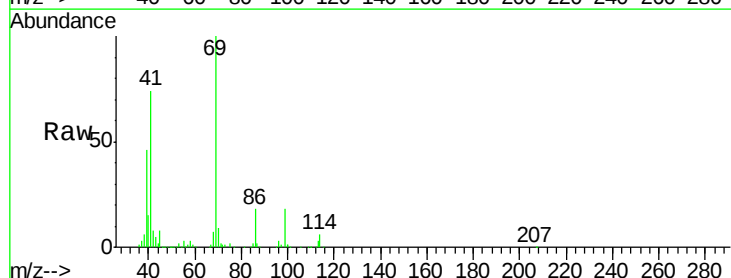
Tgt Ion: 69 Resp: 178621

Ion Ratio Lower Upper

69 100

41 70.7 55.0 82.4

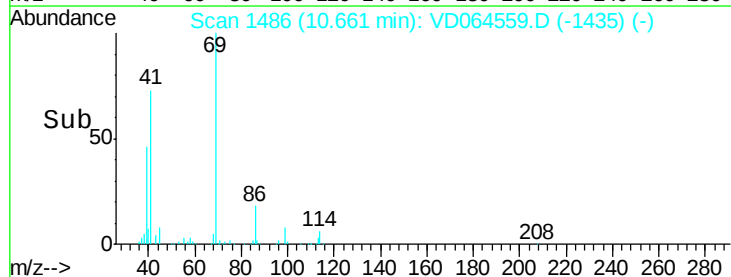
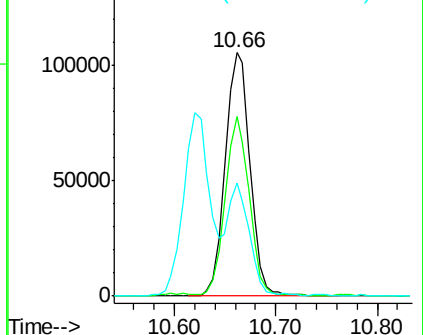
39 42.1 33.0 49.6

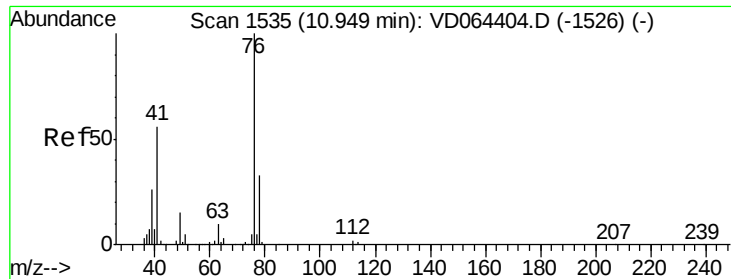


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





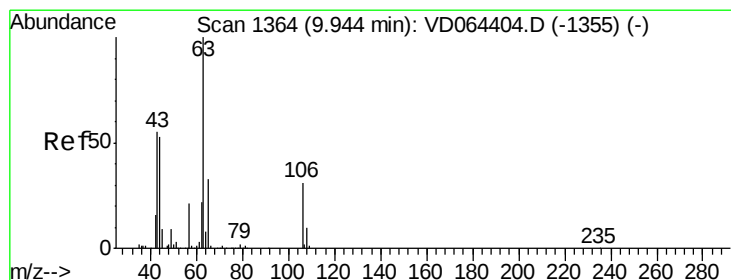
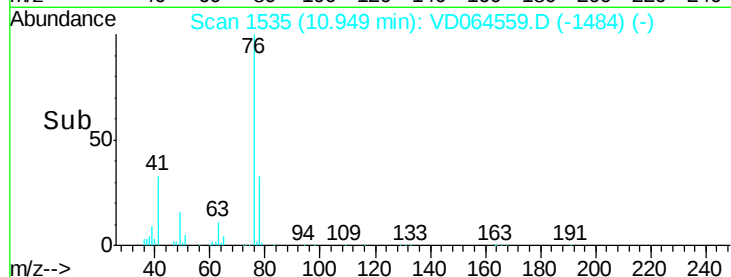
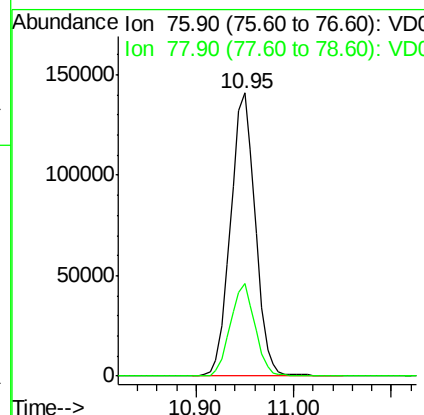
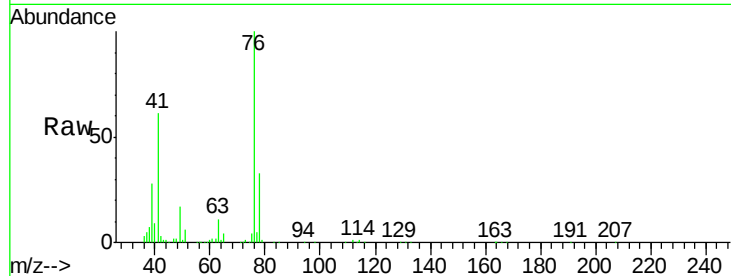
#57
 1,3-Dichloropropane
 Concen: 47.629 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064559.D
 Acq: 23 Dec 2019 10:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	26.0	39.0

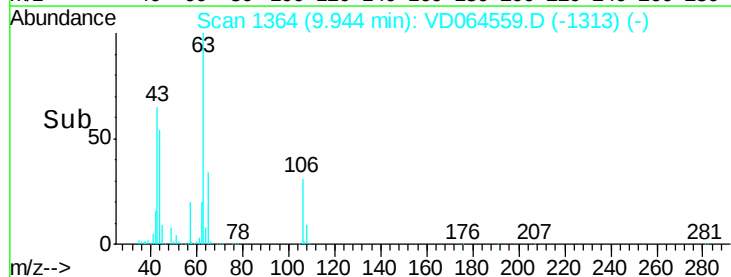
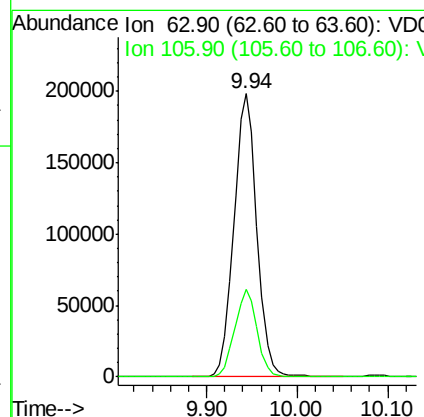
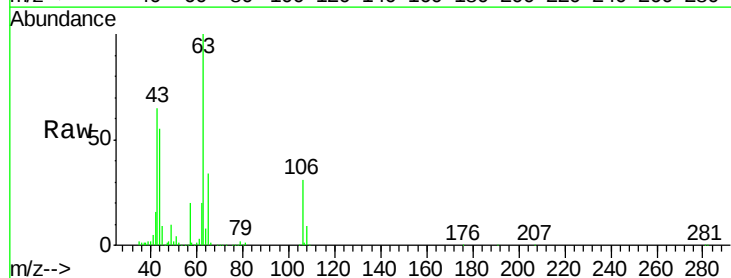
Manual Integrations
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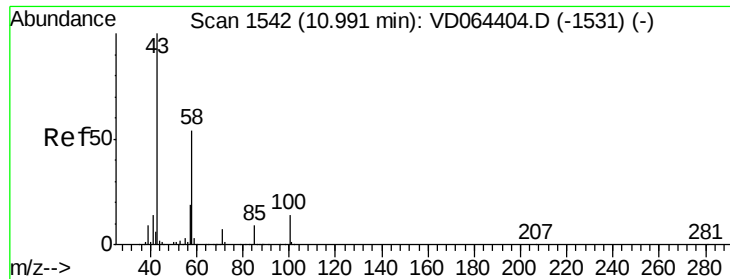
apatel
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#58
 2-Chloroethyl Vinyl ether
 Concen: 223.593 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064559.D
 Acq: 23 Dec 2019 10:35

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.2	24.2	36.4





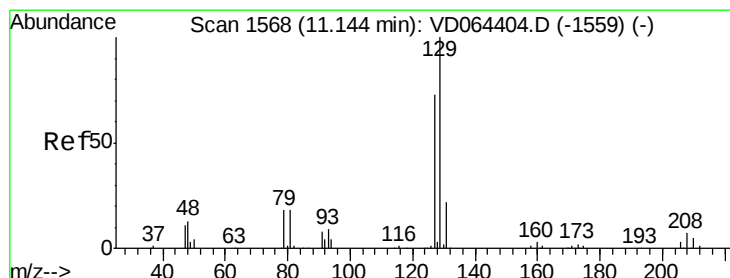
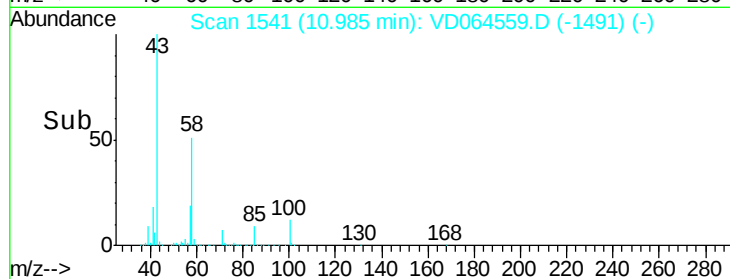
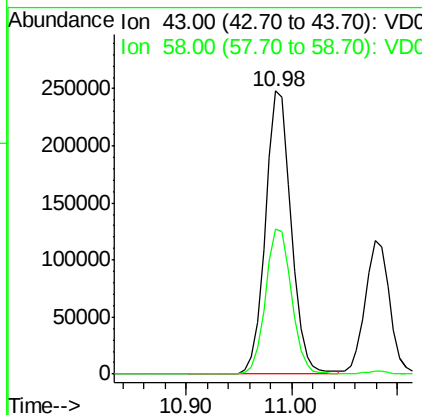
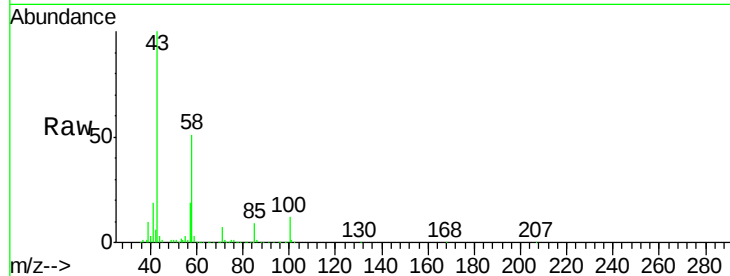
#59
2-Hexanone
Concen: 245.294 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD064559.D
Acq: 23 Dec 2019 10:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.9	26.3	78.8

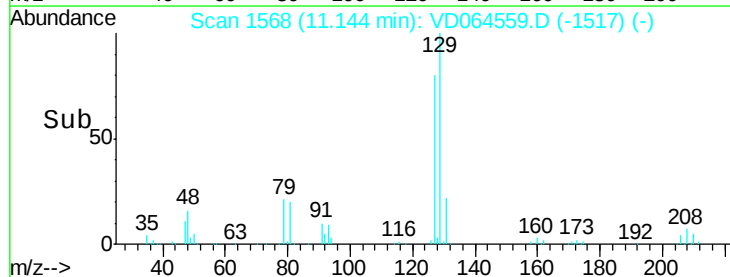
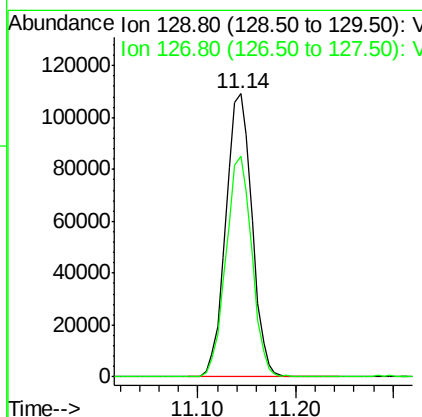
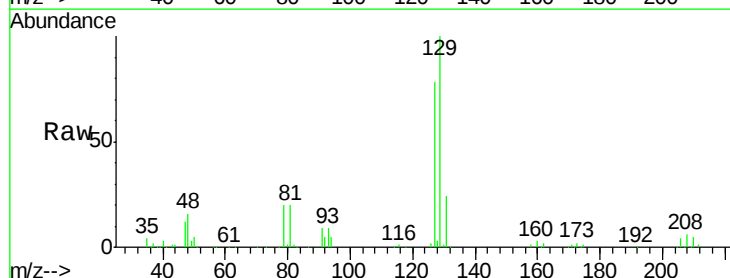
Manual Integrations
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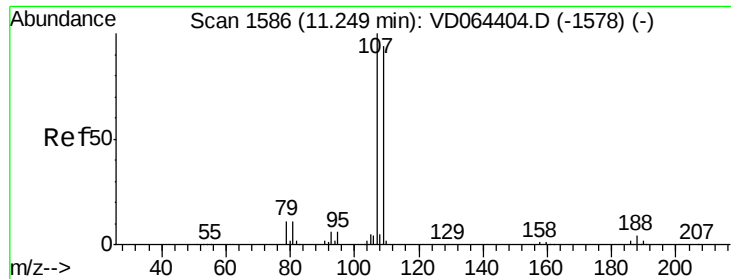
apatel
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#60
Dibromochloromethane
Concen: 49.037 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064559.D
Acq: 23 Dec 2019 10:35

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.2	38.1	114.3





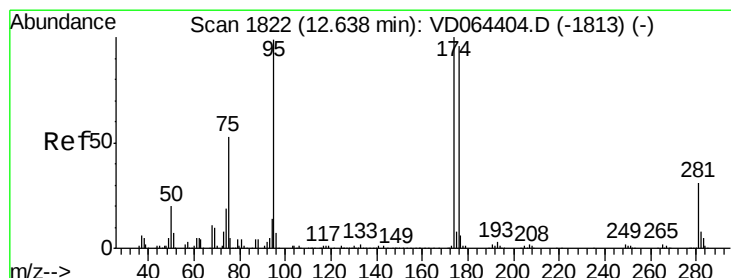
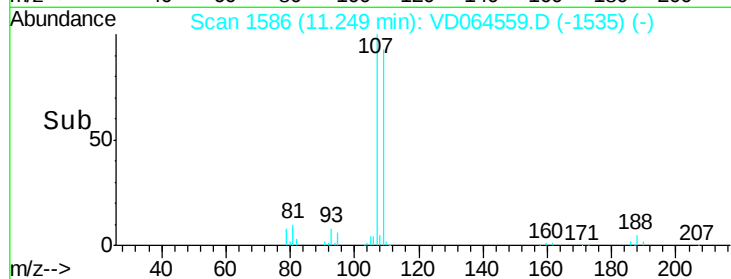
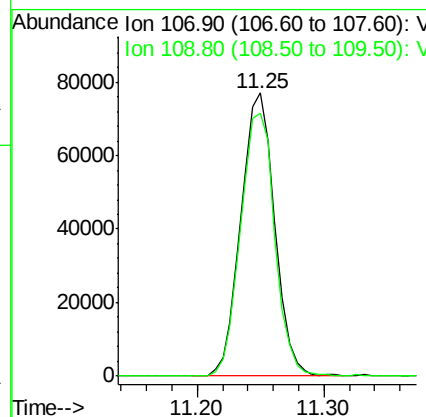
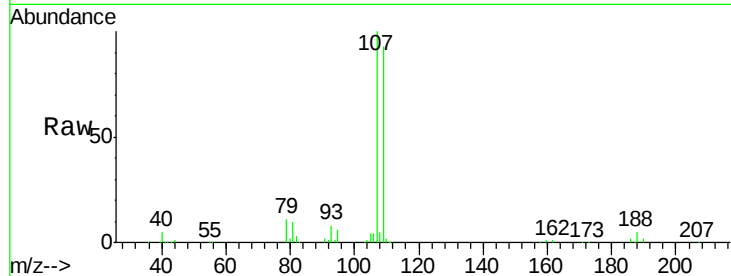
#61
 1,2-Dibromoethane
 Concen: 46.576 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064559.D
 Acq: 23 Dec 2019 10:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.4	76.2	114.2

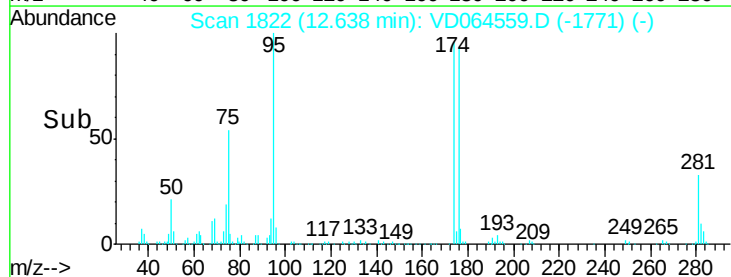
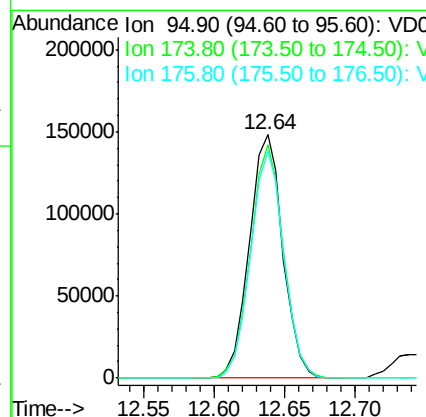
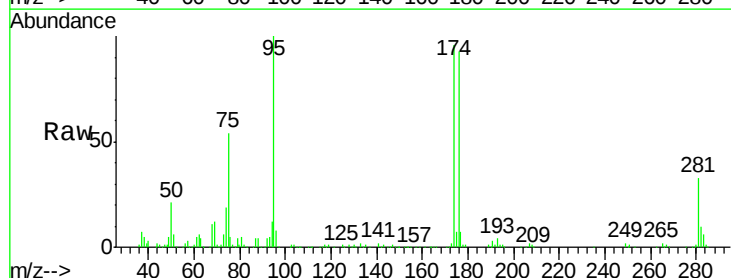
Manual Integrations
 APPROVED

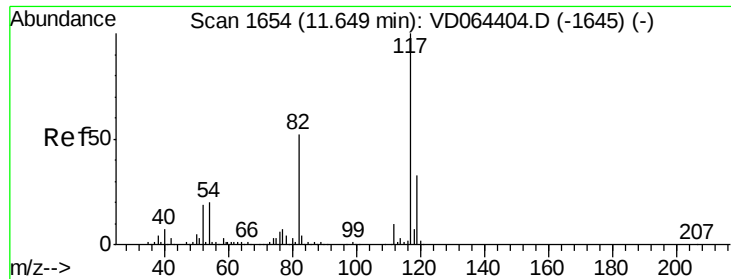
apatel
 12/24/2019 11:04:02 AM



#62
 4-Bromofluorobenzene
 Concen: 51.232 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064559.D
 Acq: 23 Dec 2019 10:35

Tgt Ion	Ratio	Lower	Upper
95	100		
174	95.0	0.0	197.2
176	92.6	0.0	189.6





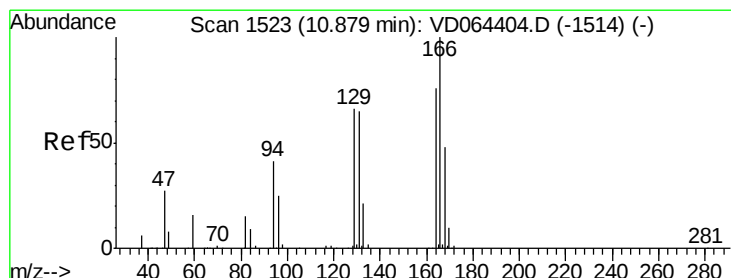
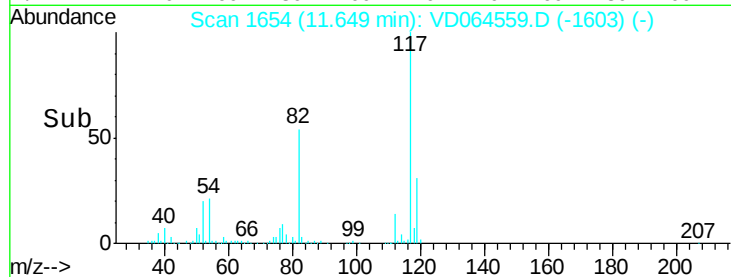
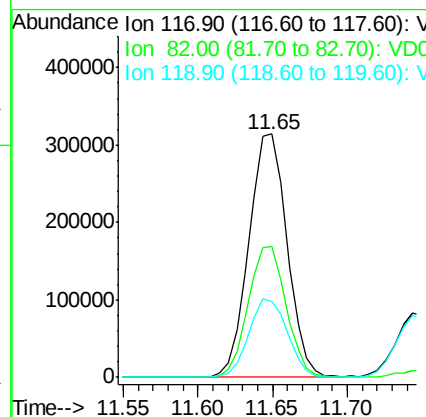
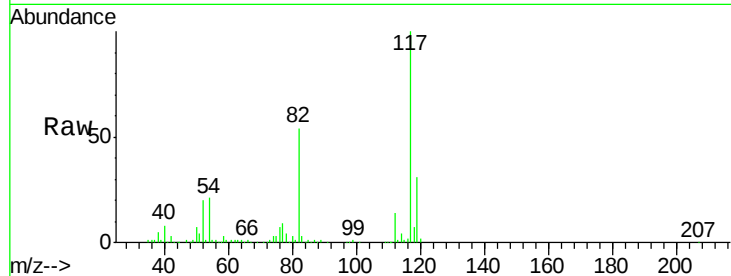
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064559.D
Acq: 23 Dec 2019 10:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	556862		
82	54.0		41.4	62.2
119	31.4		26.2	39.2

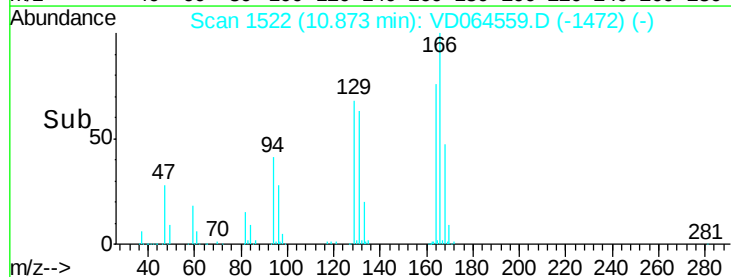
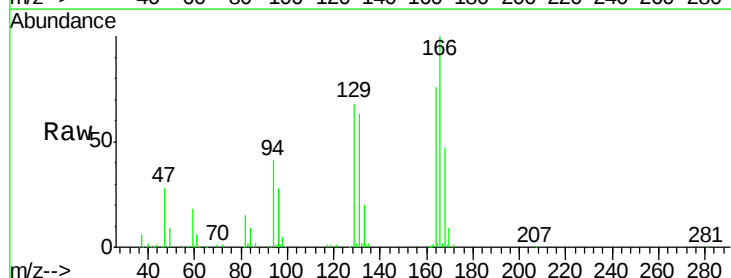
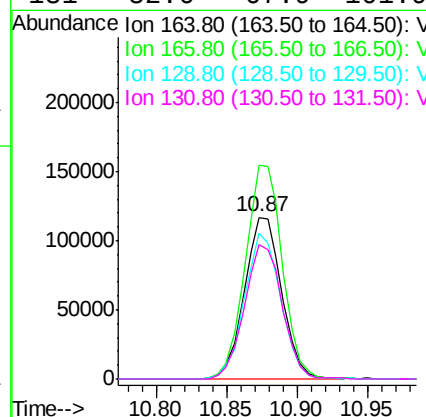
Manual Integrations
APPROVED

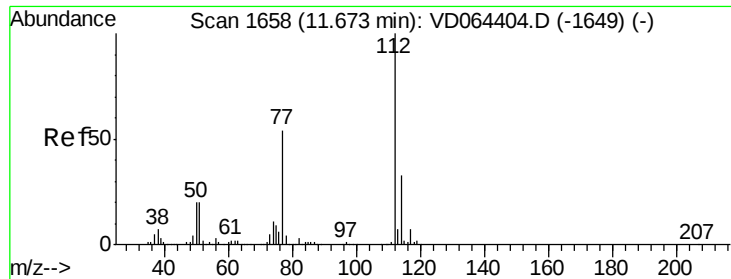
apatel
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#64
Tetrachloroethene
Concen: 50.689 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.01 min
Lab File: VD064559.D
Acq: 23 Dec 2019 10:35

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	215252		
166	132.0		104.8	157.2
129	90.3		68.7	103.1
131	82.6		67.9	101.9





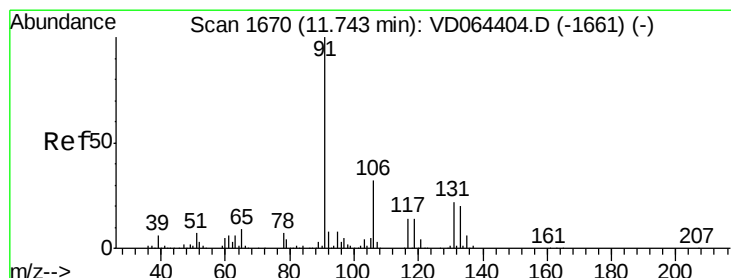
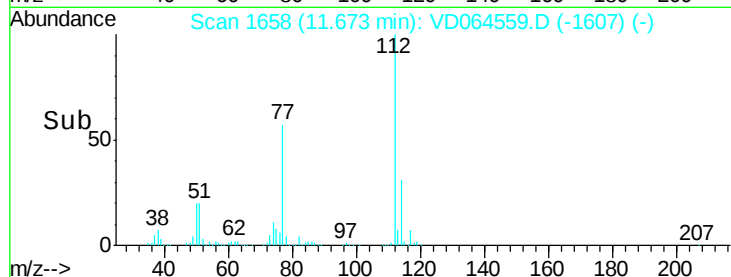
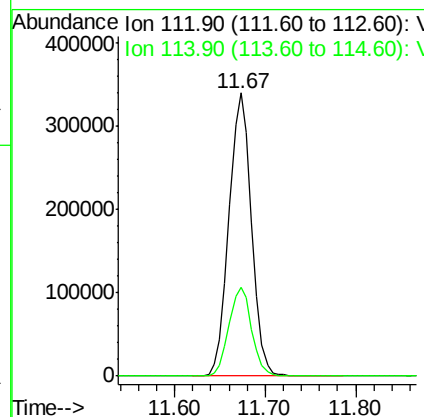
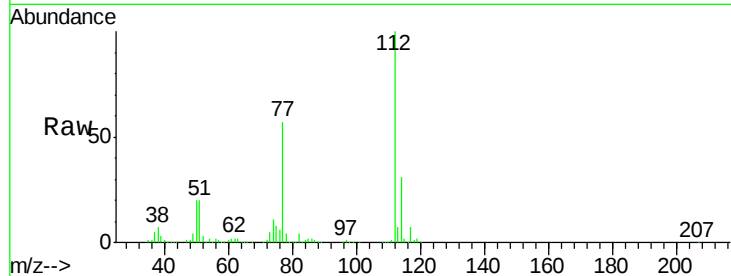
#65
Chlorobenzene
Concen: 50.251 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064559.D
Acq: 23 Dec 2019 10:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.2	26.5	39.7

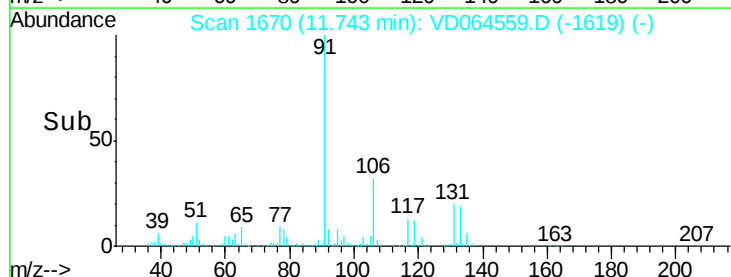
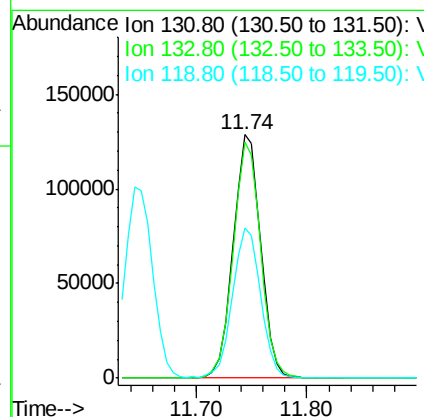
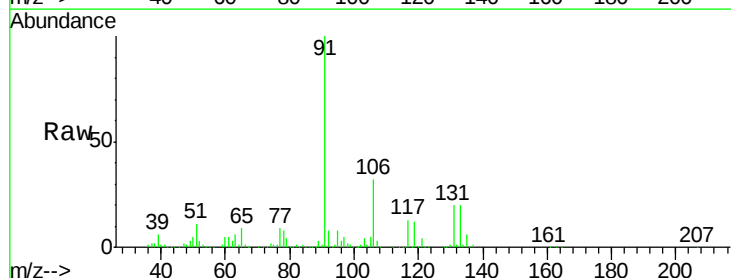
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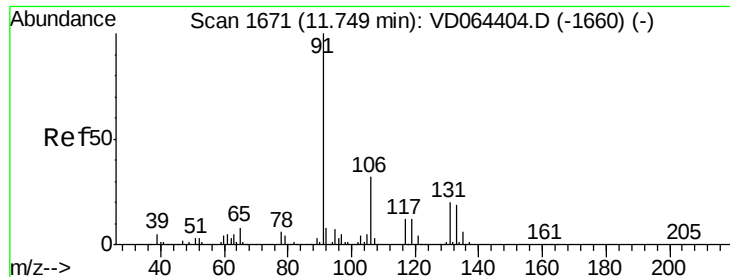
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.260 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD064559.D
Acq: 23 Dec 2019 10:35

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.9	48.3	144.9
119	63.4	31.9	95.9





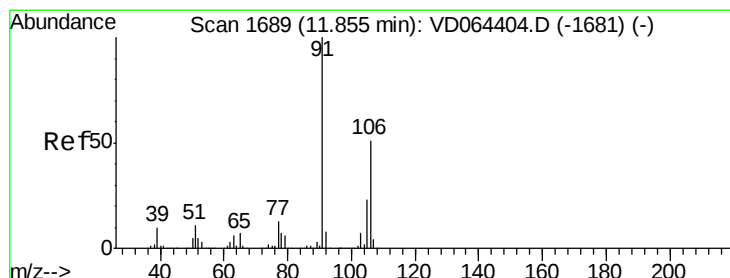
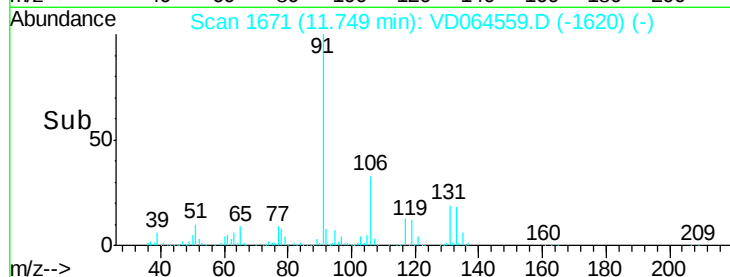
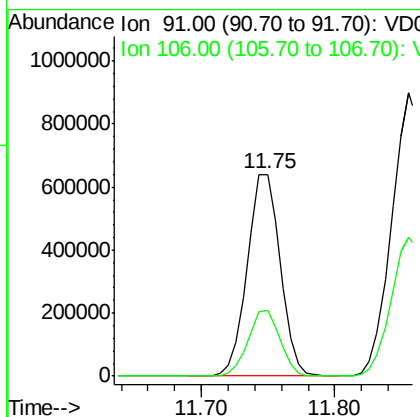
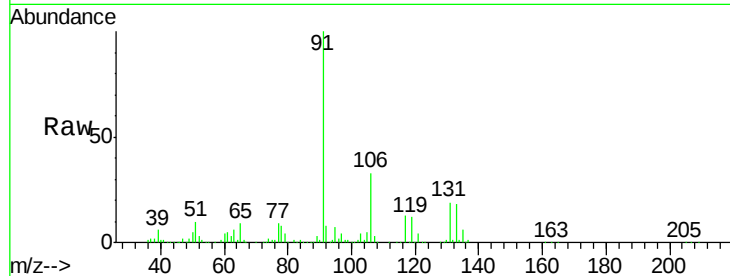
#67
Ethyl Benzene
Concen: 52.717 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064559.D
Acq: 23 Dec 2019 10:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1089381
Ion Ratio Lower Upper
91 100
106 32.6 25.8 38.8

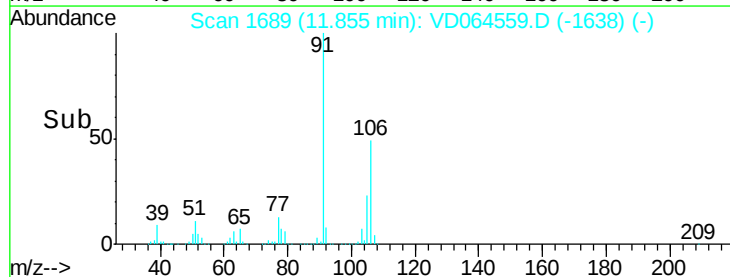
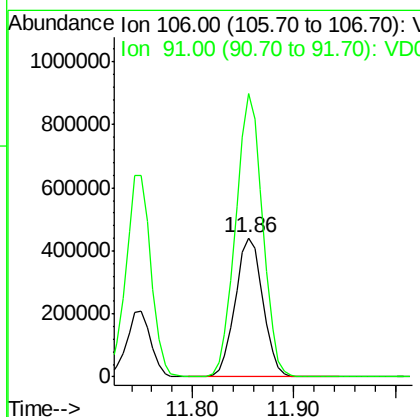
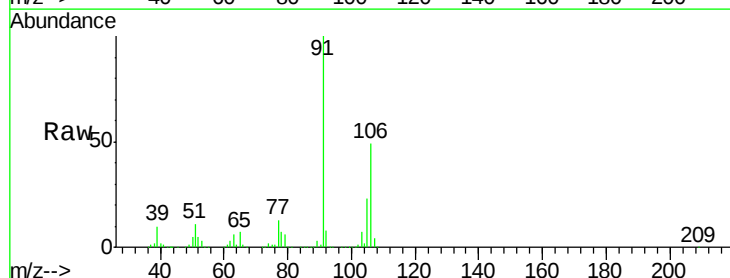
Manual Integrations
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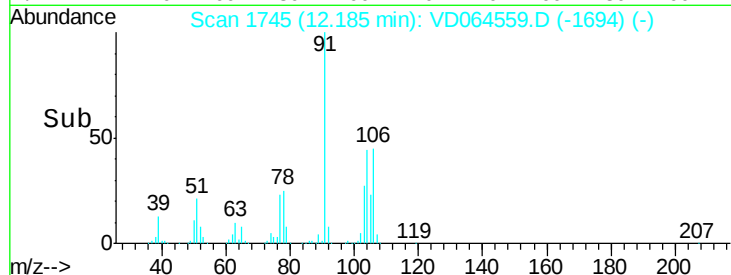
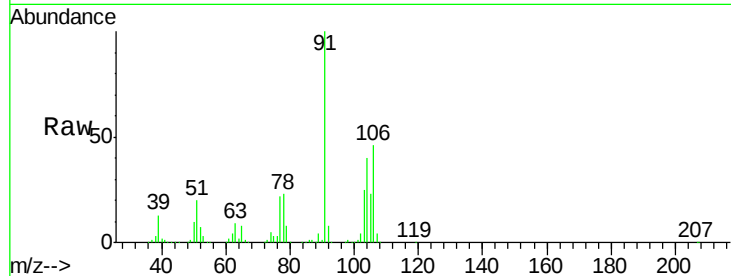
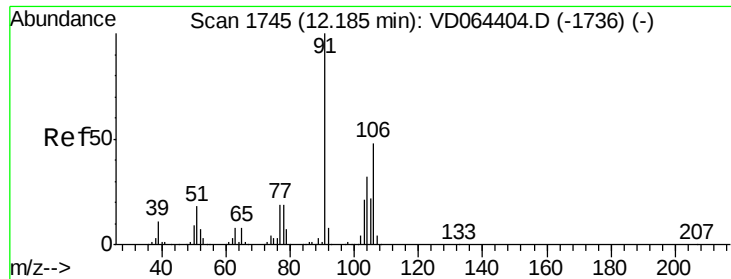
apatel
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#68
m/p-Xylenes
Concen: 105.942 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD064559.D
Acq: 23 Dec 2019 10:35

Tgt Ion: 106 Resp: 834739
Ion Ratio Lower Upper
106 100
91 198.1 157.4 236.2





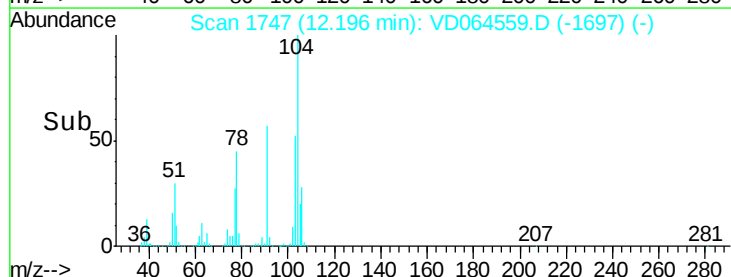
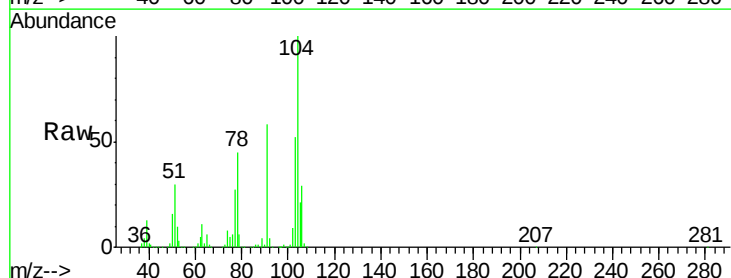
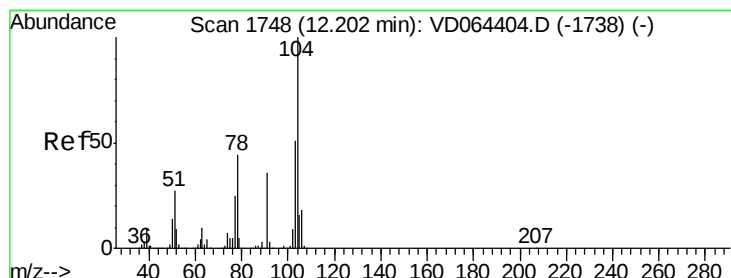
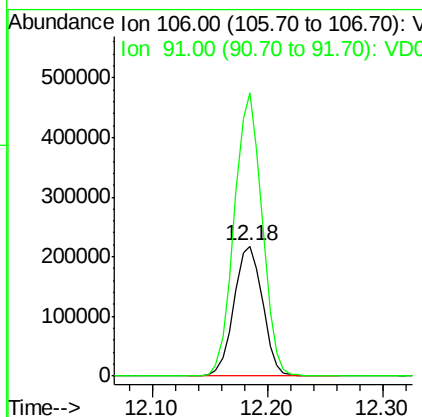
#69
o-Xylene
Concen: 51.447 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064559.D
Acq: 23 Dec 2019 10:35

Tot Ion:106 Resp: 374373
Ion Ratio Lower Upper
106 100
91 211.6 103.8 311.4

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

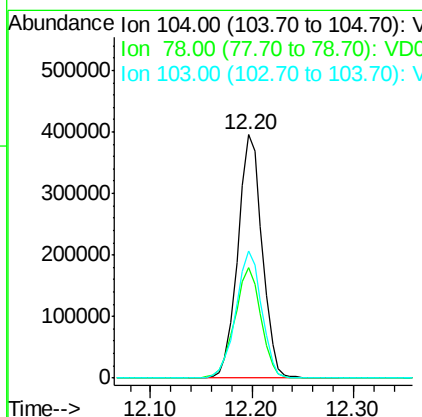
Manual Integrations
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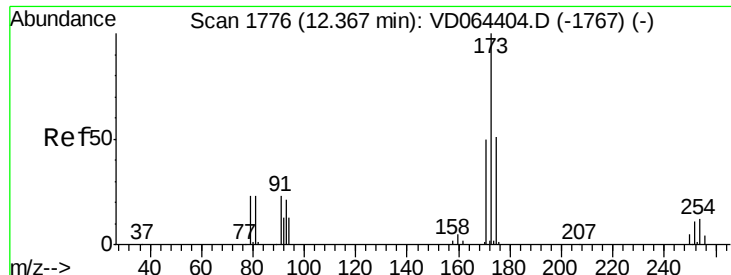
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#70
Styrene
Concen: 51.998 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD064559.D
Acq: 23 Dec 2019 10:35

Tgt Ion:104 Resp: 657536
Ion Ratio Lower Upper
104 100
78 48.9 38.8 58.2
103 55.5 44.2 66.4





#71

Bromoform

Concen: 47.004 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.01 min

Lab File: VD064559.D

Acq: 23 Dec 2019 10:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 120910

Ion Ratio Lower Upper

173 100

175 49.6 25.3 75.8

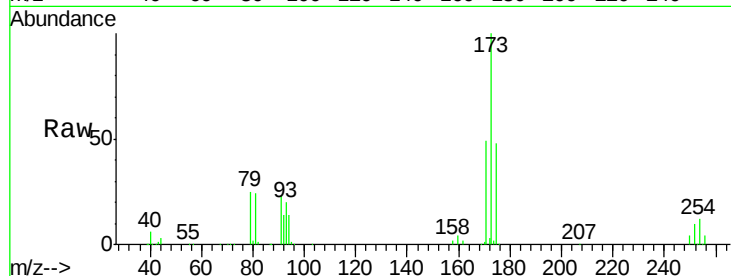
254 0.1 0.0 0.0#

Manual Integrations

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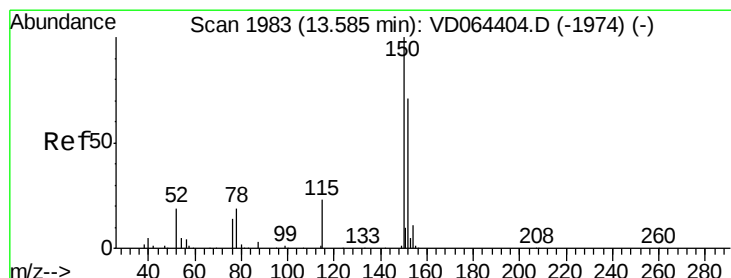
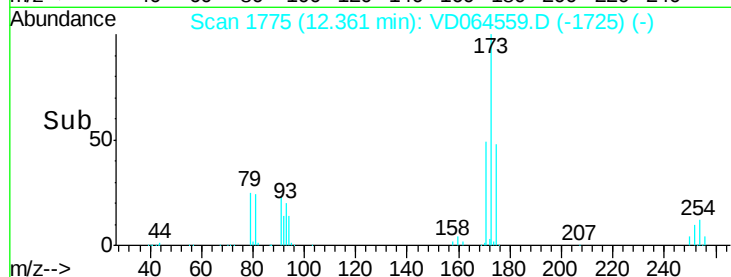
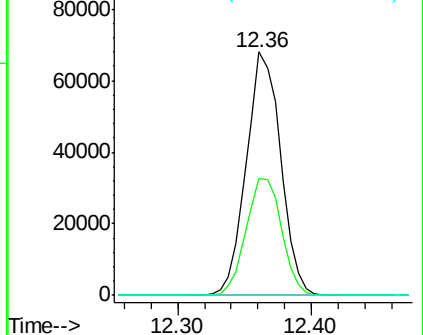
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD064559.D

Acq: 23 Dec 2019 10:35

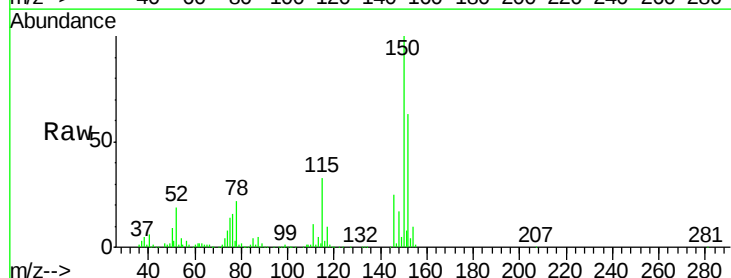
Tgt Ion:152 Resp: 283258

Ion Ratio Lower Upper

152 100

115 54.0 26.7 80.1

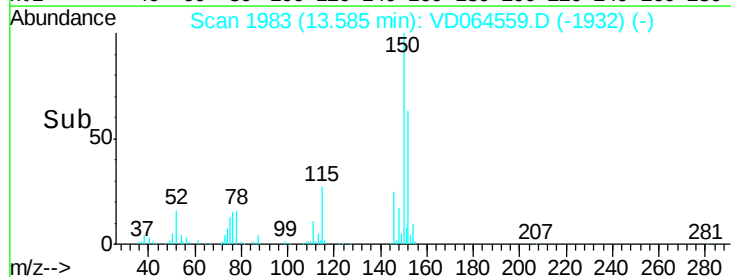
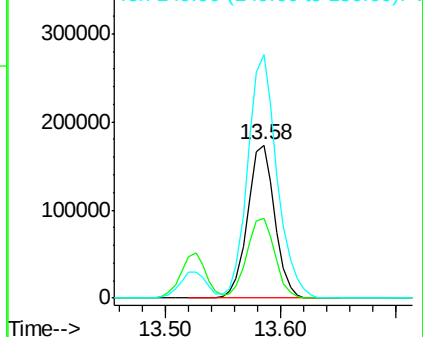
150 172.2 0.0 347.2

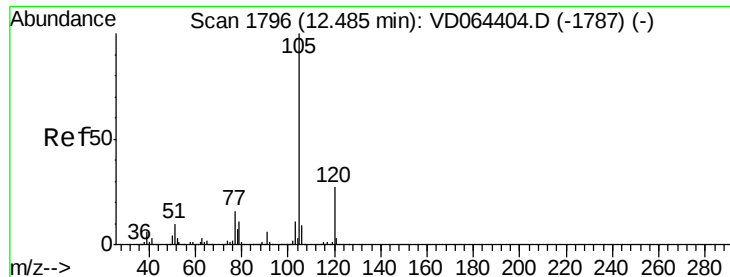


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.101 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064559.D

Acq: 23 Dec 2019 10:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 1061408

Ion Ratio Lower Upper

105 100

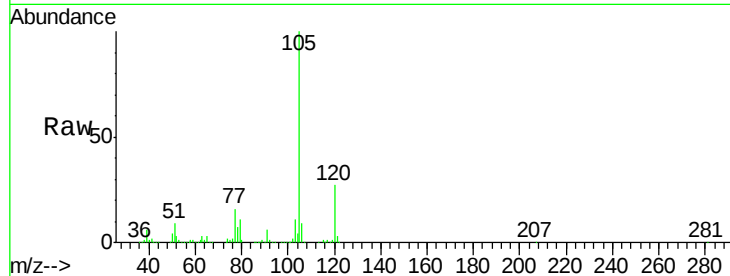
120 26.9 13.4 40.2

Manual Integrations

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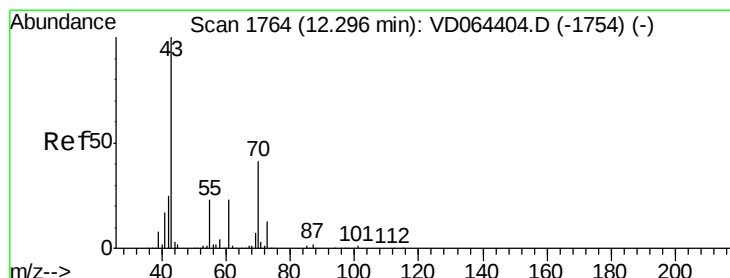
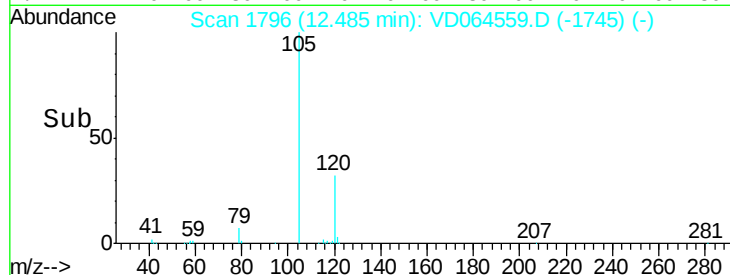
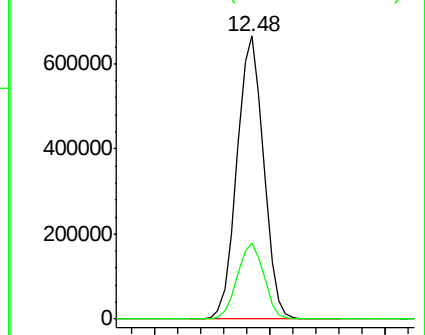
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 45.037 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD064559.D

Acq: 23 Dec 2019 10:35

Tgt Ion: 43 Resp: 208238

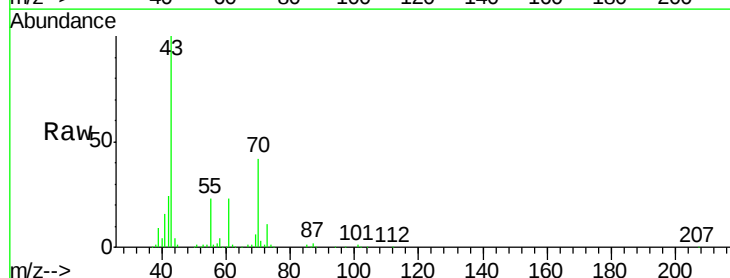
Ion Ratio Lower Upper

43 100

70 41.4 33.4 50.2

55 24.1 18.9 28.3

61 23.1 18.5 27.7

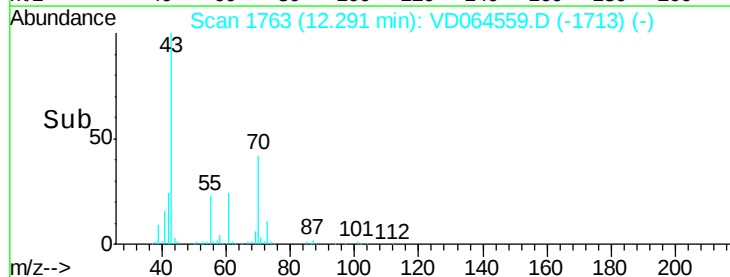
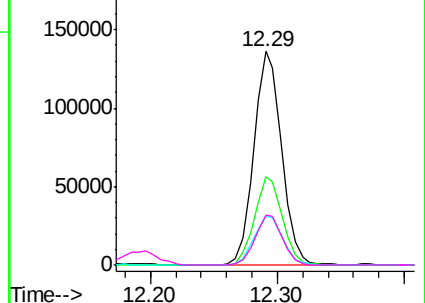


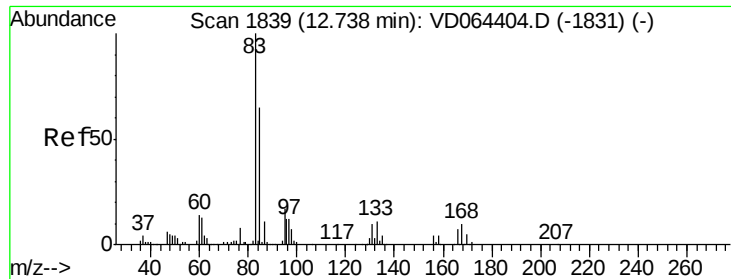
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 43.319 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064559.D

Acq: 23 Dec 2019 10:35

Instrument :

MSVOA_D

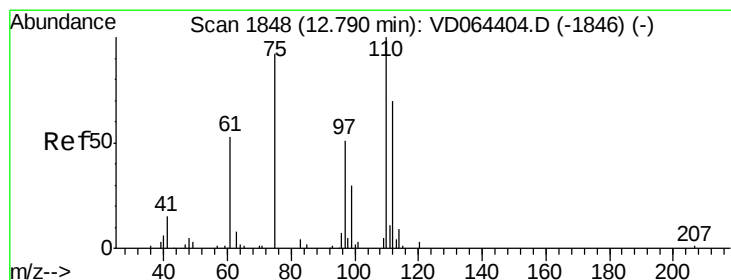
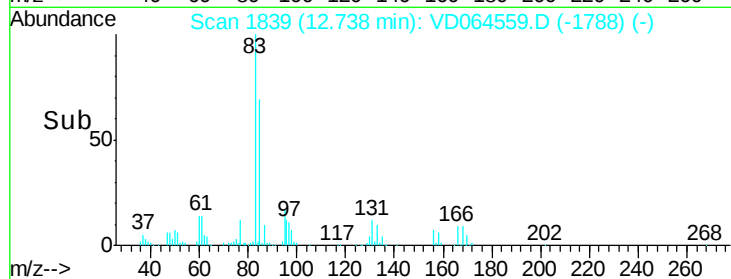
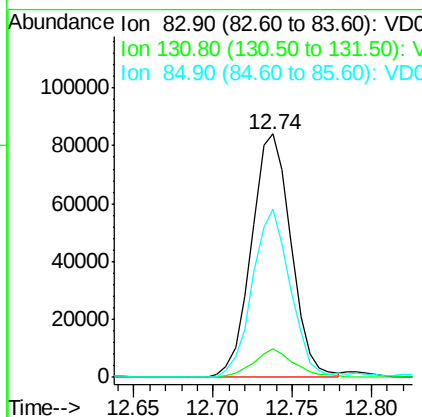
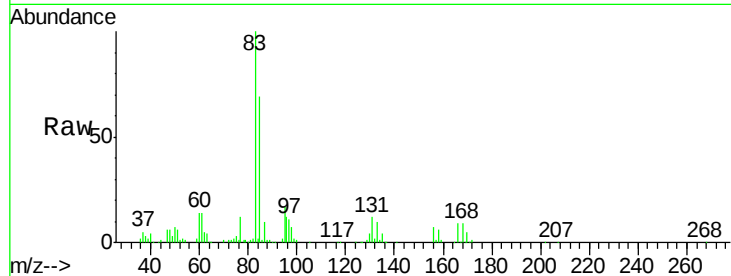
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	145939
Ion Ratio	Lower	Upper	
83	100		
131	11.8	5.7	17.0
85	66.7	31.3	93.9

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#76

1,2,3-Trichloropropane

Concen: 41.276 ug/l m

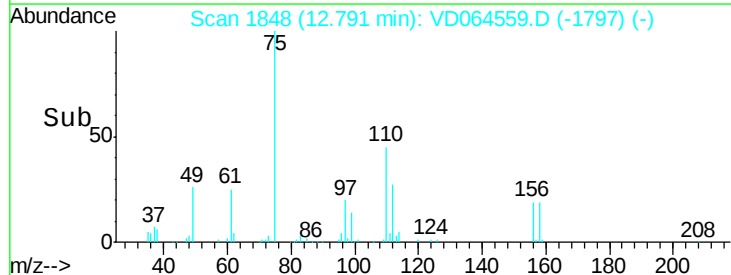
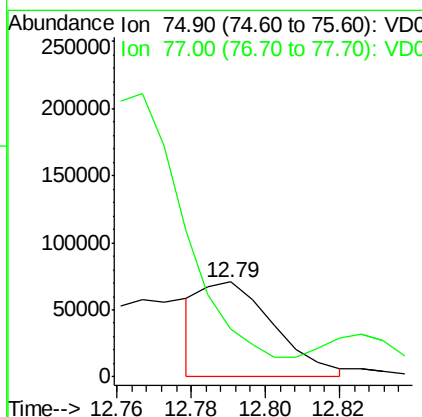
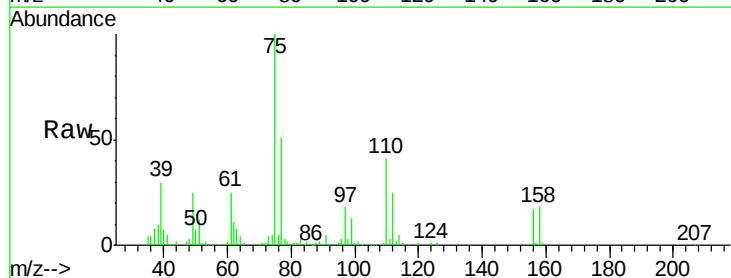
RT: 12.79 min Scan# 1848

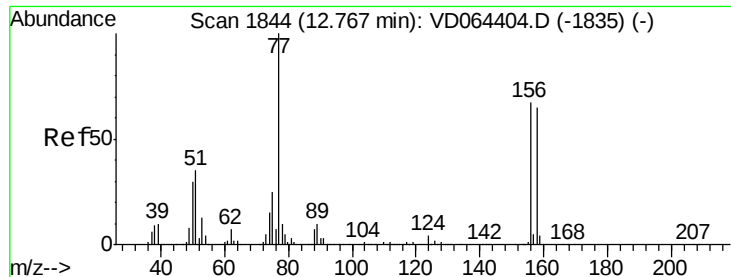
Delta R.T. 0.00 min

Lab File: VD064559.D

Acq: 23 Dec 2019 10:35

Tgt Ion:	75	Resp:	96148
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 49.404 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064559.D

Acq: 23 Dec 2019 10:35

Instrument :

MSVOA_D

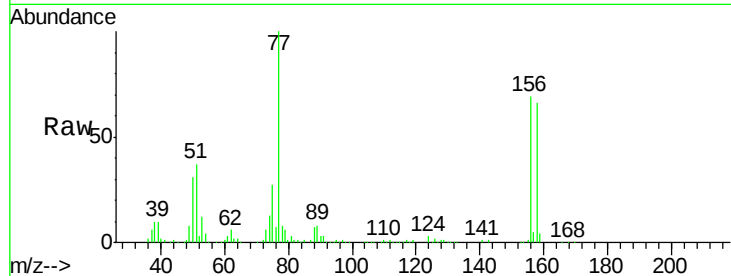
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		248545		
77	159.7	80.0	240.2		
158	96.6	48.9	146.6		

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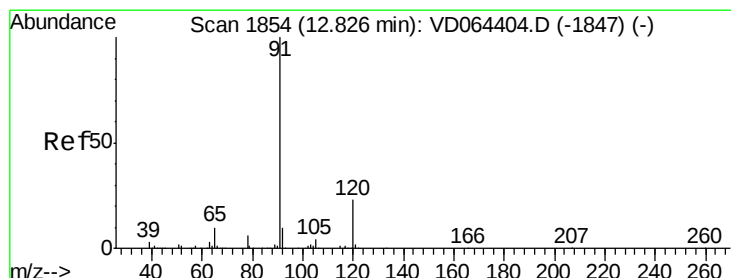
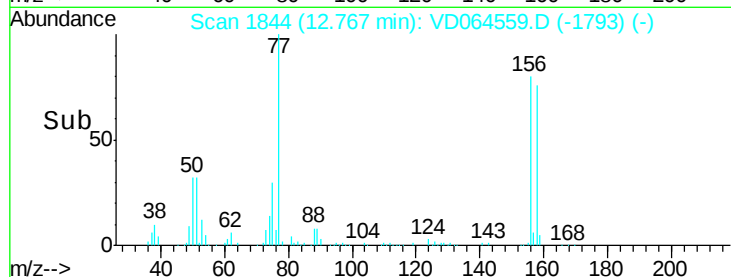
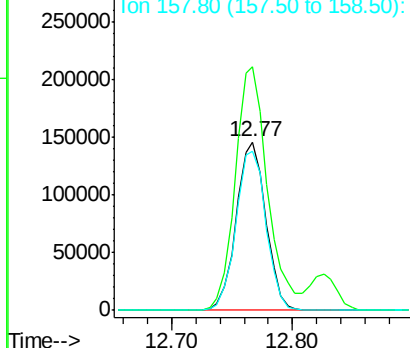
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.186 ug/l

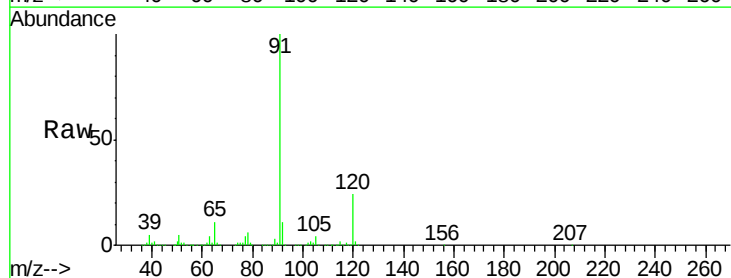
RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064559.D

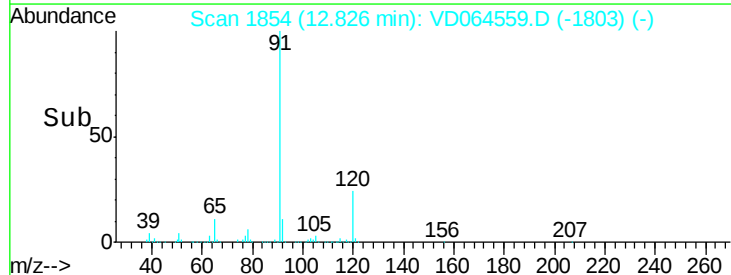
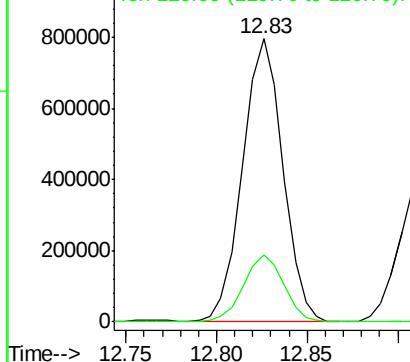
Acq: 23 Dec 2019 10:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		1226652		
120	23.6	11.9	35.9		



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.193 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064559.D

Acq: 23 Dec 2019 10:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 662129

Ion Ratio Lower Upper

91 100

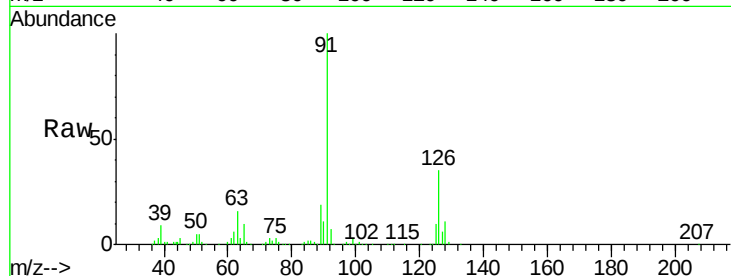
126 36.1 18.0 54.0

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

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

800000

600000

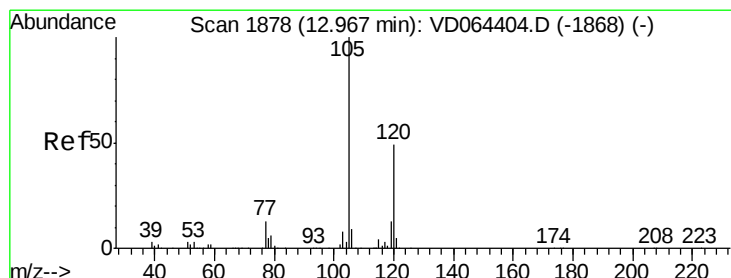
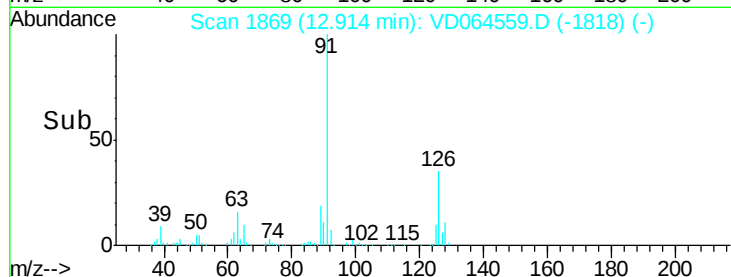
400000

200000

0

12.85 12.90 12.95

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 51.733 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064559.D

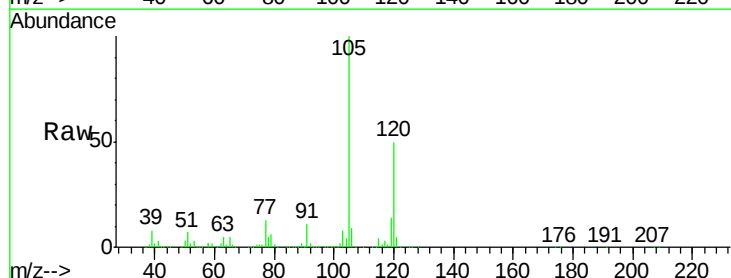
Acq: 23 Dec 2019 10:35

Tgt Ion: 105 Resp: 861249

Ion Ratio Lower Upper

105 100

120 49.9 25.1 75.3



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

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

600000

500000

400000

300000

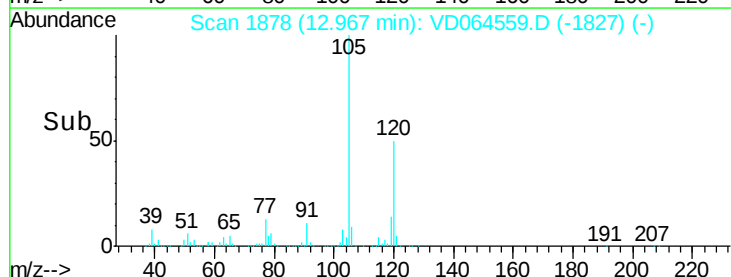
200000

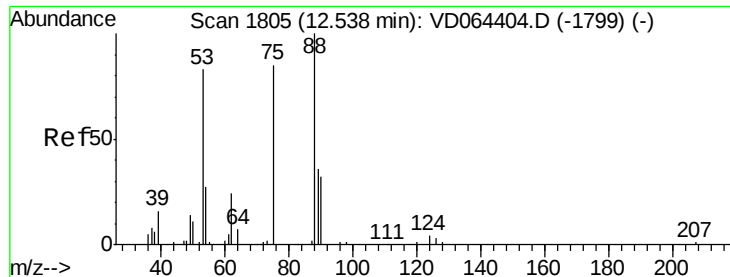
100000

0

12.90 13.00

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 47.308 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD064559.D

Acq: 23 Dec 2019 10:35

Instrument :

MSVOA_D

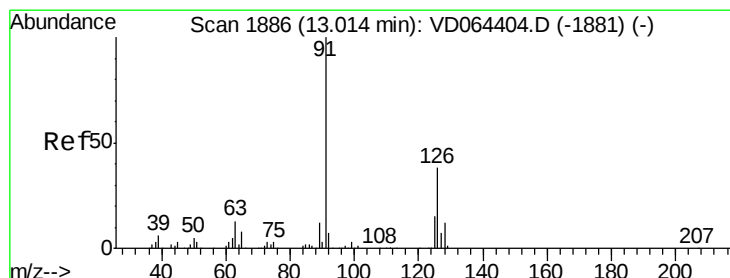
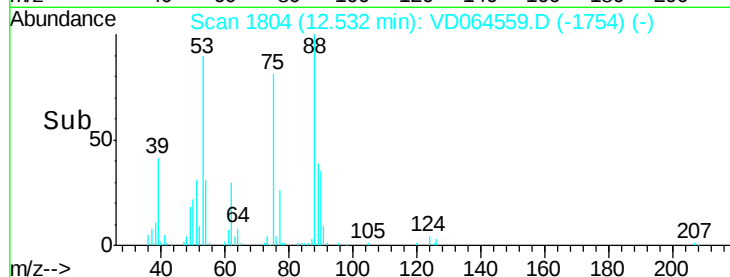
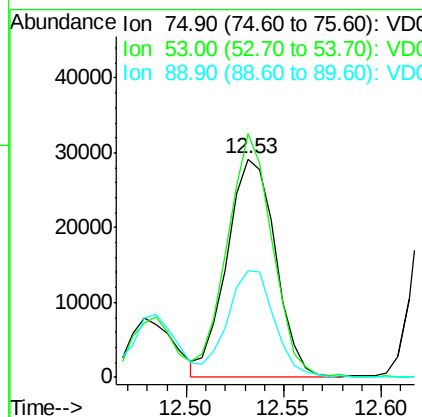
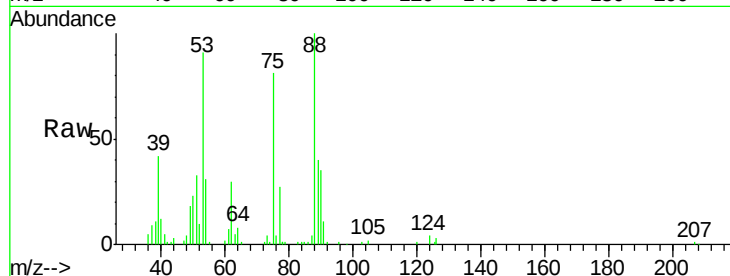
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	50539
Ion	Ratio	Lower	Upper
75	100		
53	103.6	81.0	121.6
89	46.8	38.5	57.7

Manual Integrations
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#82

4-Chlorotoluene

Concen: 51.253 ug/l

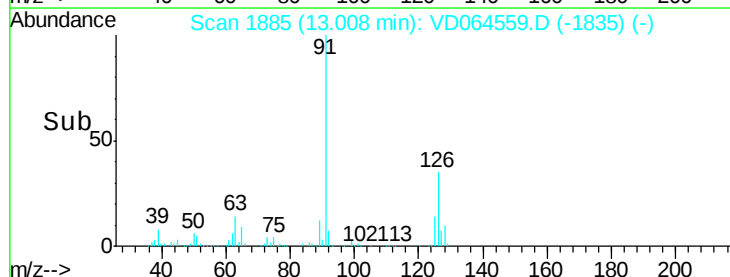
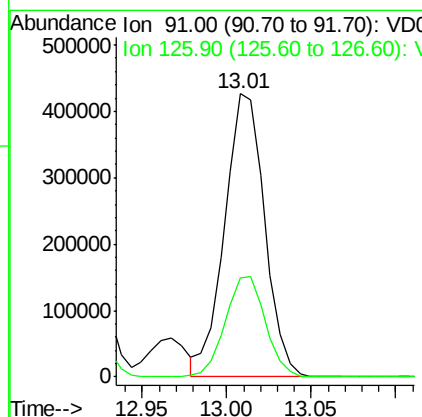
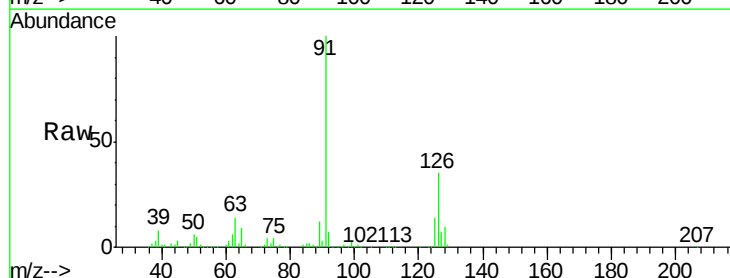
RT: 13.01 min Scan# 1885

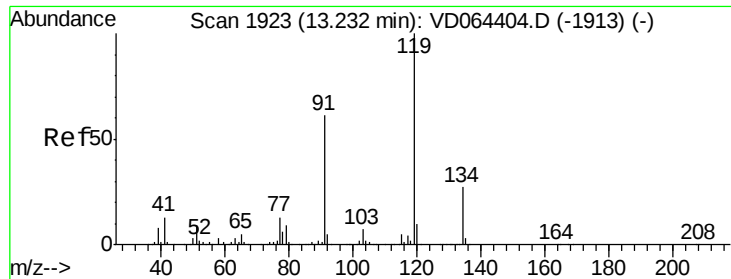
Delta R.T. -0.01 min

Lab File: VD064559.D

Acq: 23 Dec 2019 10:35

Tgt Ion:	91	Resp:	701864
Ion	Ratio	Lower	Upper
91	100		
126	35.6	18.2	54.6





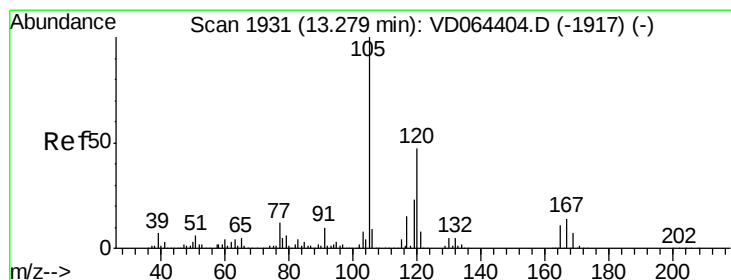
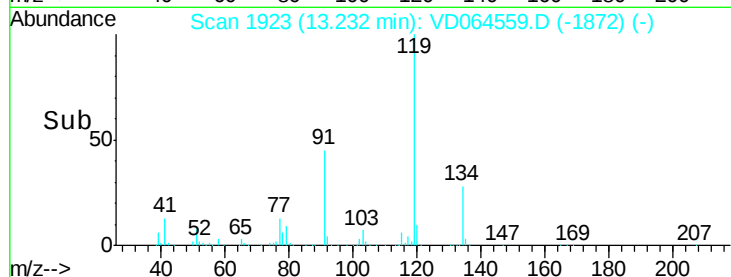
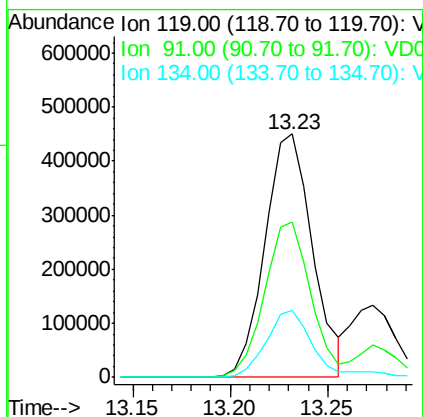
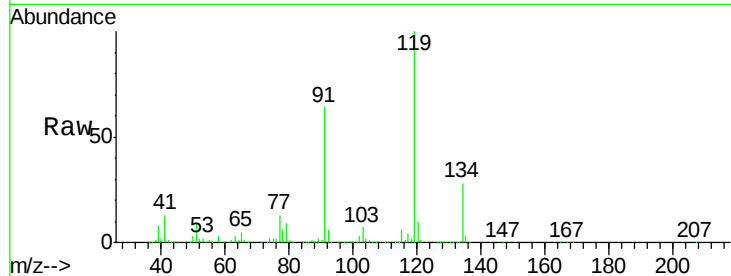
#83
tert-Butylbenzene
Concen: 52.658 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD064559.D
Acq: 23 Dec 2019 10:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	762136		
91	61.5		31.2	93.6
134	27.8		13.9	41.7

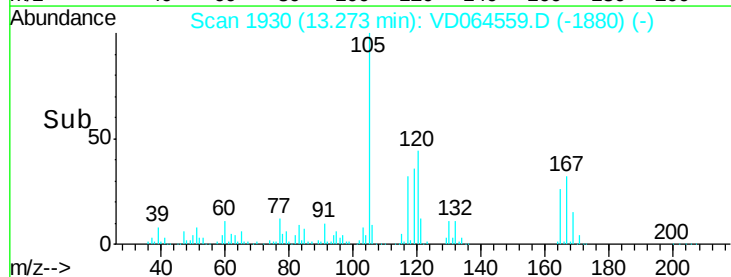
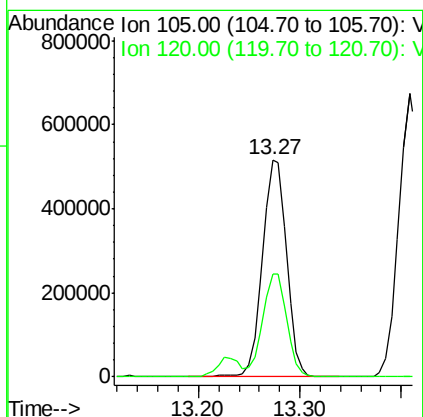
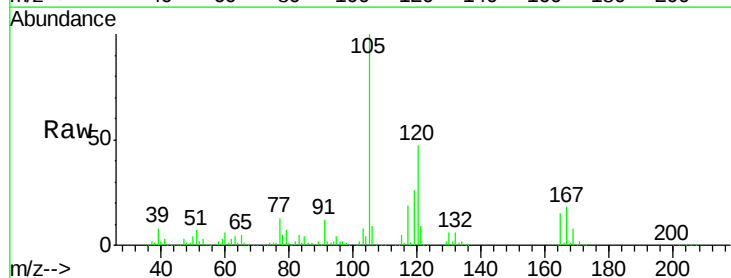
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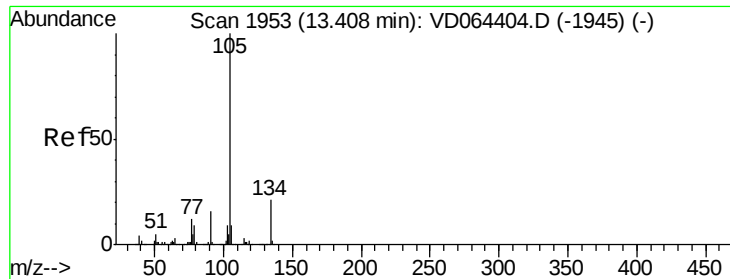
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#84
1,2,4-Trimethylbenzene
Concen: 50.848 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.01 min
Lab File: VD064559.D
Acq: 23 Dec 2019 10:35

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	851207		
120	47.6		23.6	70.8





#85

sec-Butylbenzene

Concen: 52.534 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064559.D

Acq: 23 Dec 2019 10:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1043562

Ion Ratio Lower Upper

105 100

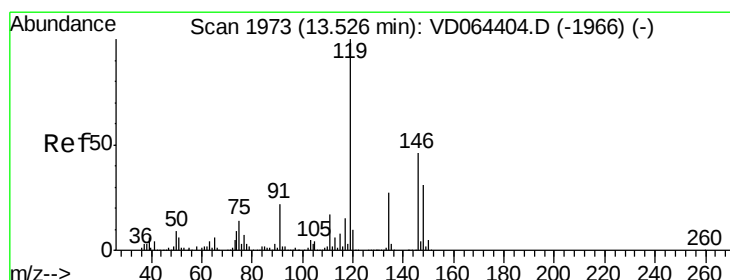
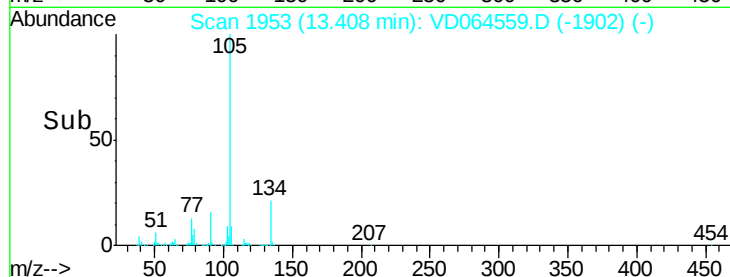
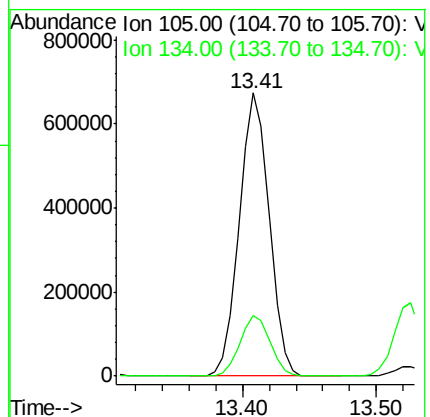
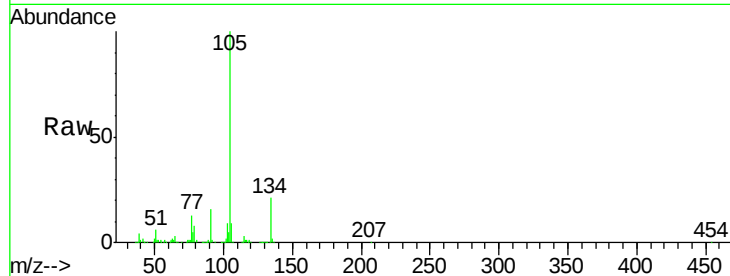
134 21.4 10.5 31.5

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#86

p-Isopropyltoluene

Concen: 52.853 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064559.D

Acq: 23 Dec 2019 10:35

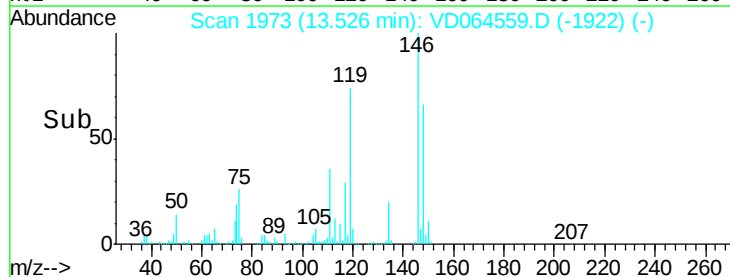
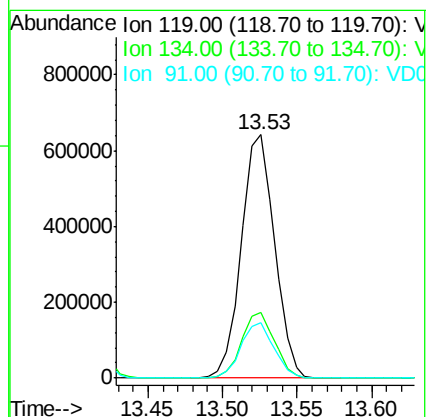
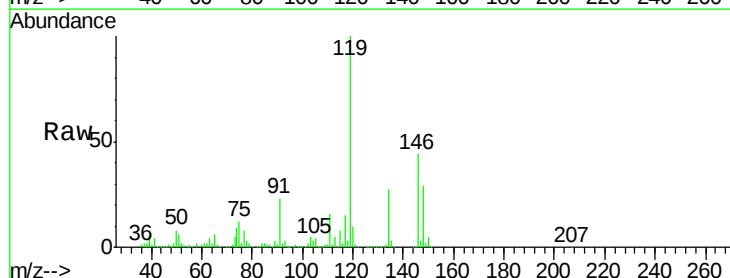
Tgt Ion:119 Resp: 991200

Ion Ratio Lower Upper

119 100

134 26.6 13.5 40.4

91 22.6 11.2 33.5





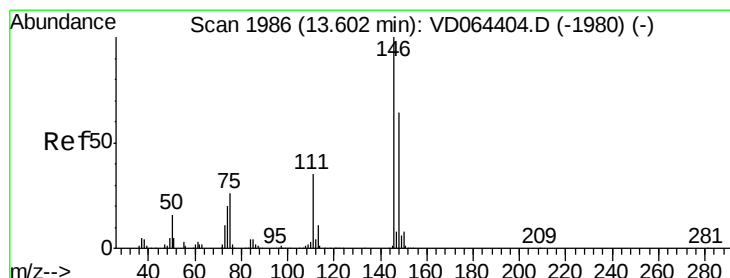
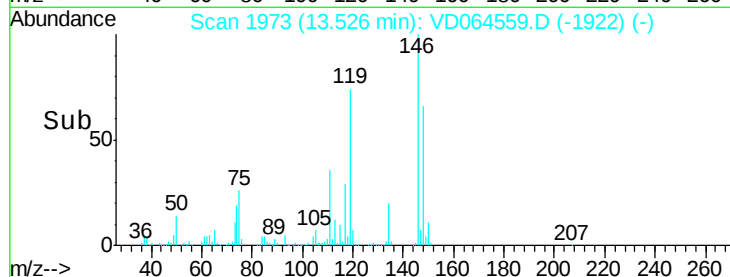
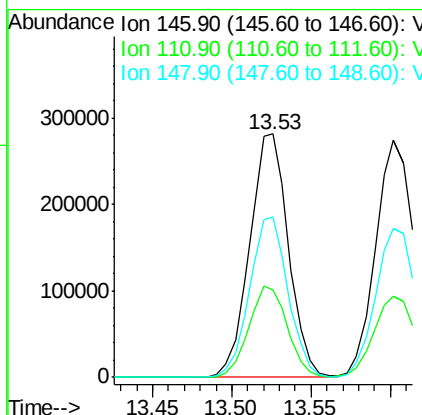
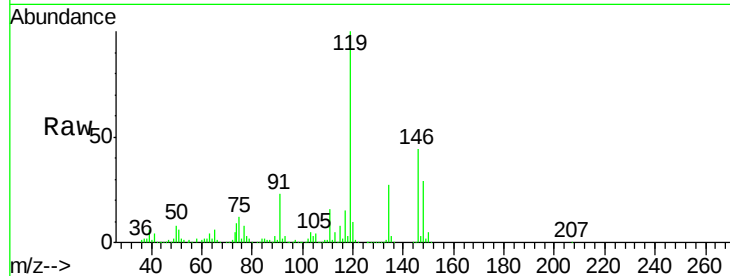
#87
 1,3-Dichlorobenzene
 Concen: 50.080 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064559.D
 Acq: 23 Dec 2019 10:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.8	56.4
148	65.2	32.6	97.8

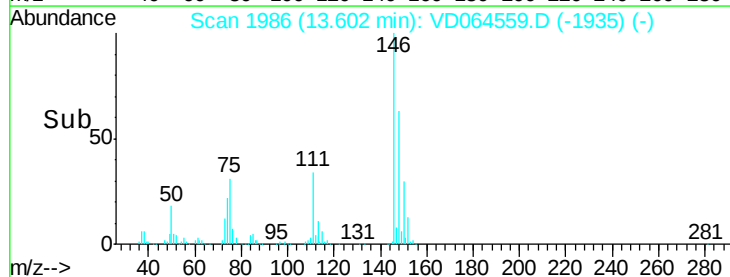
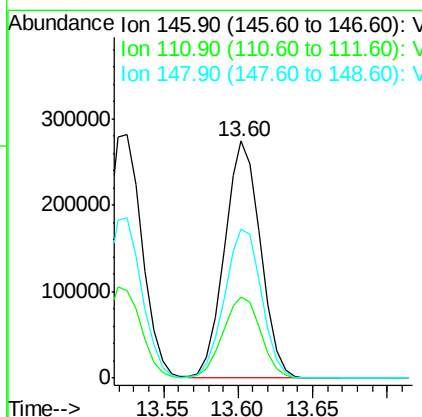
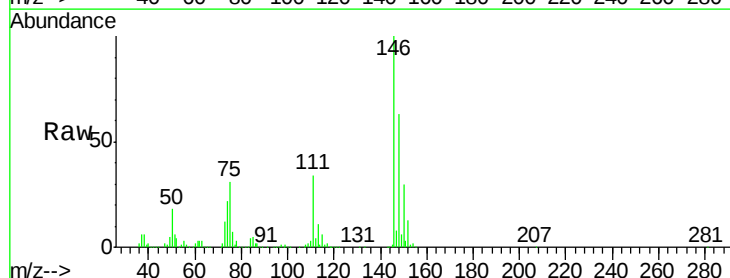
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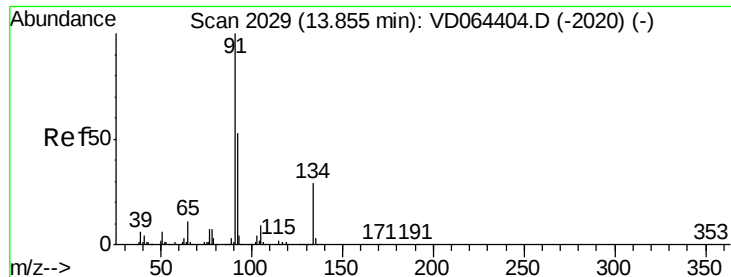
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#88
 1,4-Dichlorobenzene
 Concen: 48.891 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064559.D
 Acq: 23 Dec 2019 10:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.1	18.2	54.6
148	64.5	31.8	95.4





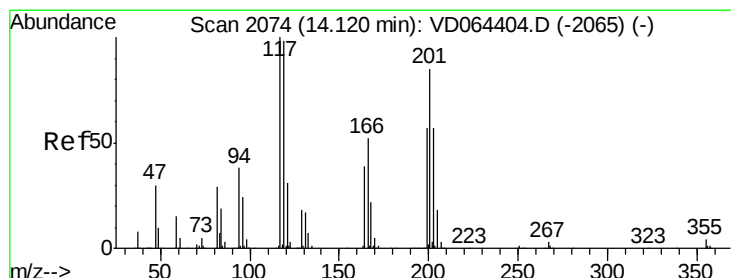
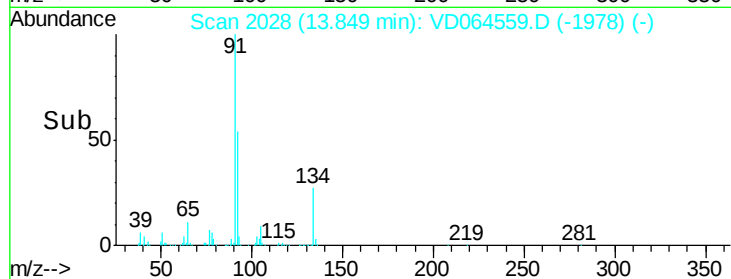
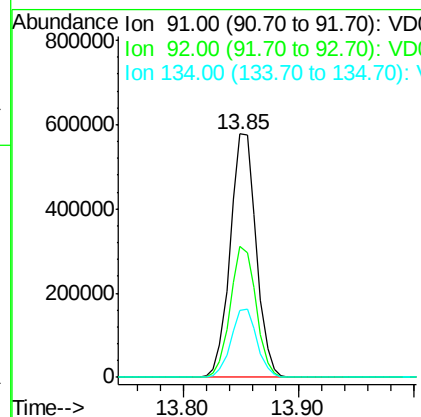
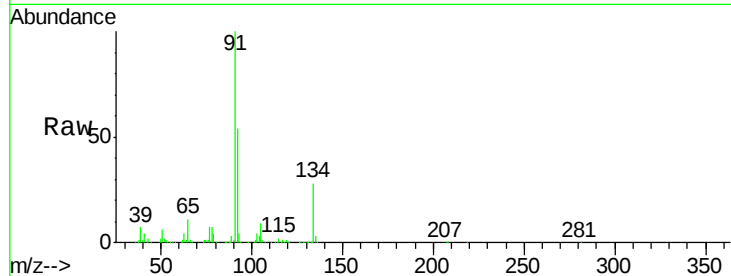
#89
n-Butylbenzene
Concen: 52.830 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.01 min
Lab File: VD064559.D
Acq: 23 Dec 2019 10:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.4	26.5	79.4	
134	28.0	13.9	41.7	

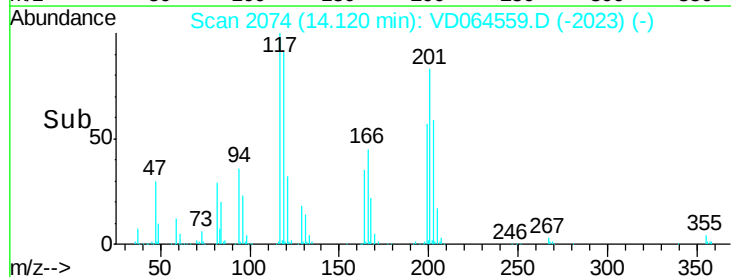
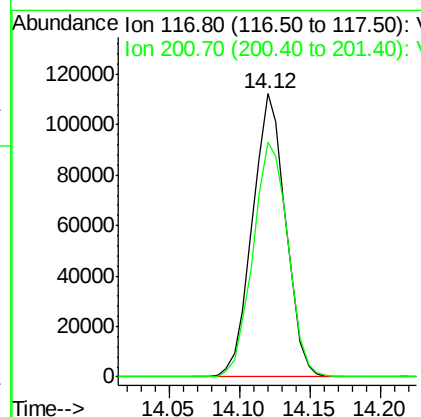
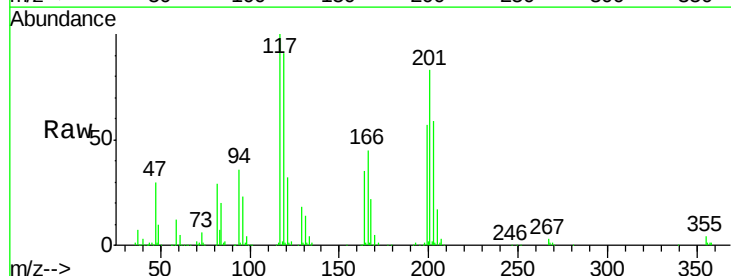
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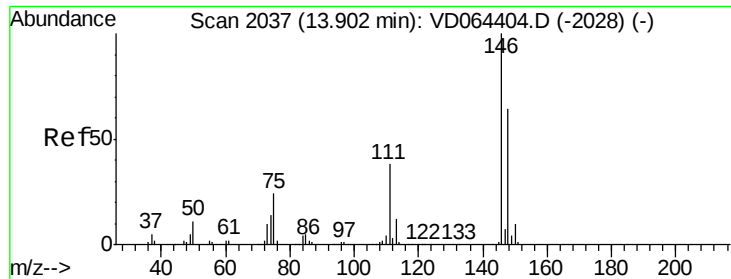
apatel
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#90
Hexachloroethane
Concen: 53.022 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064559.D
Acq: 23 Dec 2019 10:35

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	87.4	44.3	132.8	





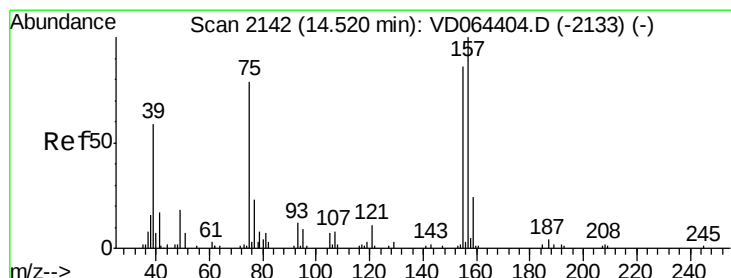
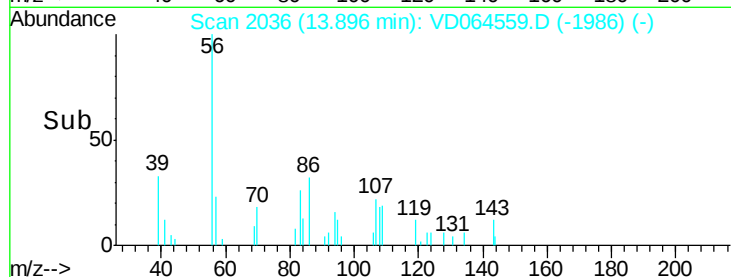
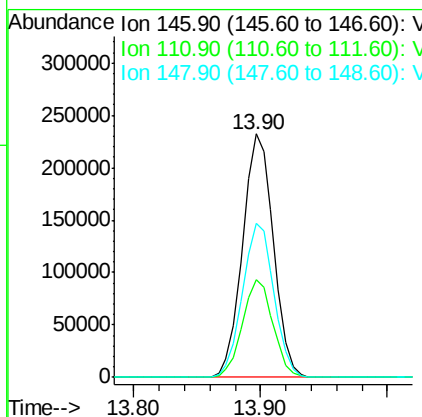
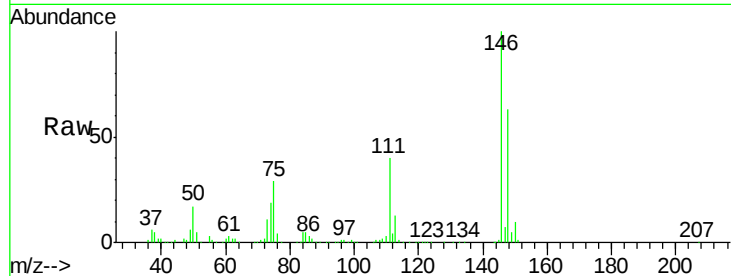
#91
 1,2-Dichlorobenzene
 Concen: 48.009 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD064559.D
 Acq: 23 Dec 2019 10:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.1	57.3
148	64.8	32.0	96.0

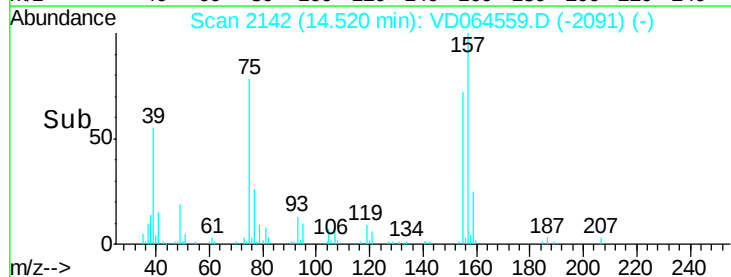
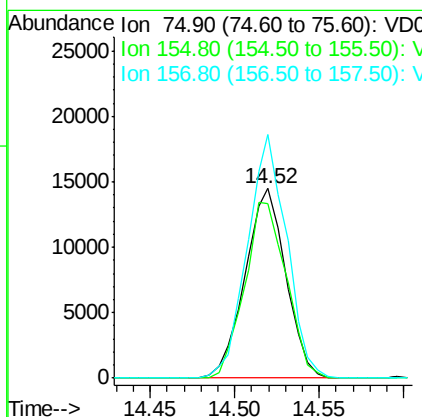
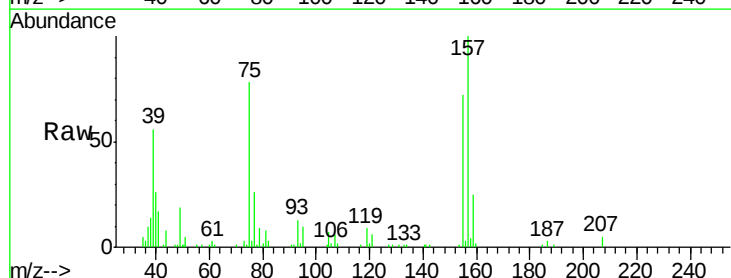
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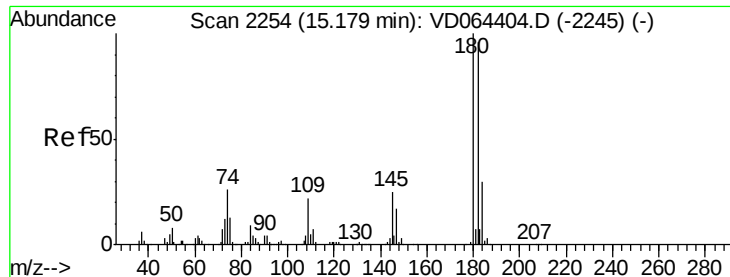
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.062 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD064559.D
 Acq: 23 Dec 2019 10:35

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.8	51.9	155.7
157	124.1	63.2	189.8





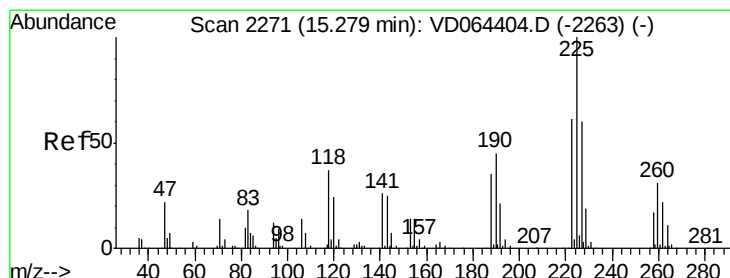
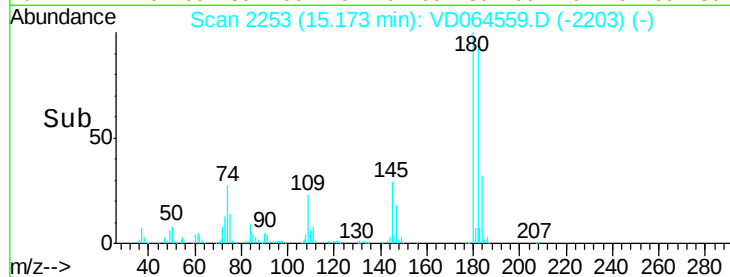
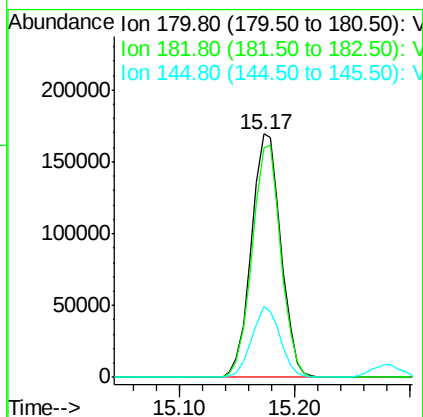
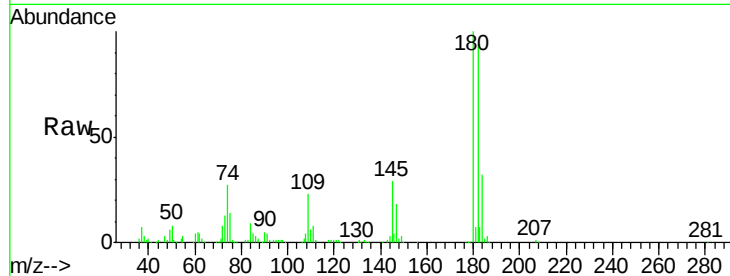
#93
 1,2,4-Trichlorobenzene
 Concen: 48.180 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD064559.D
 Acq: 23 Dec 2019 10:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	301101		
182	93.2	47.4	142.3	
145	27.9	14.0	41.9	

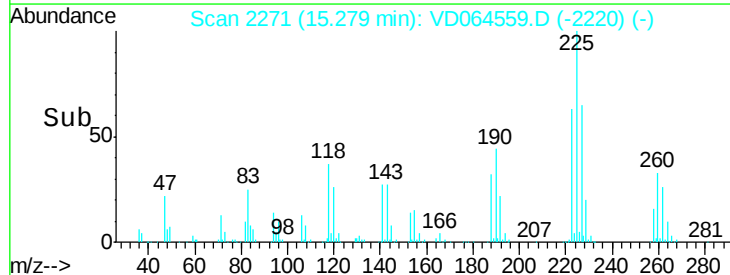
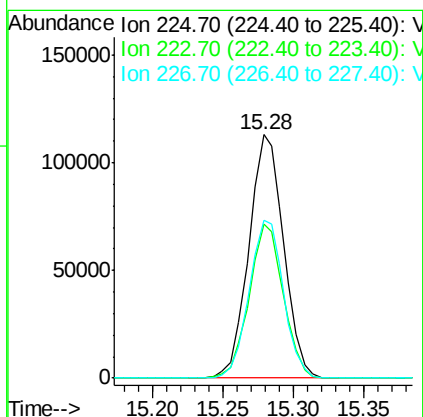
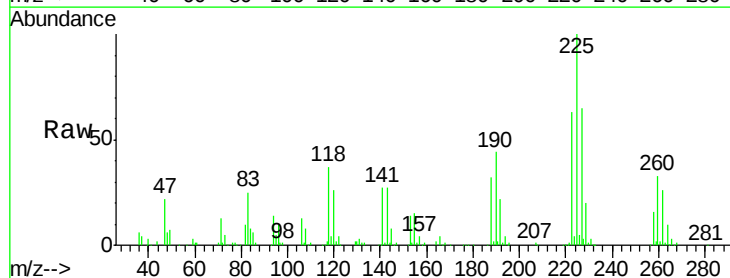
Manual Integrations
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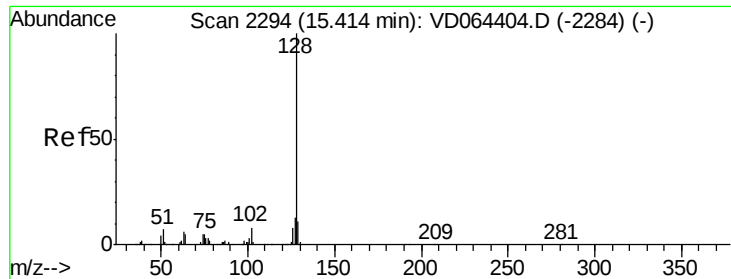
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#94
 Hexachlorobutadiene
 Concen: 50.567 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064559.D
 Acq: 23 Dec 2019 10:35

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	195093		
223	62.1	31.1	93.3	
227	64.1	31.8	95.4	





#95

Naphthalene

Concen: 44.418 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD064559.D

Acq: 23 Dec 2019 10:35

Instrument :

MSVOA_D

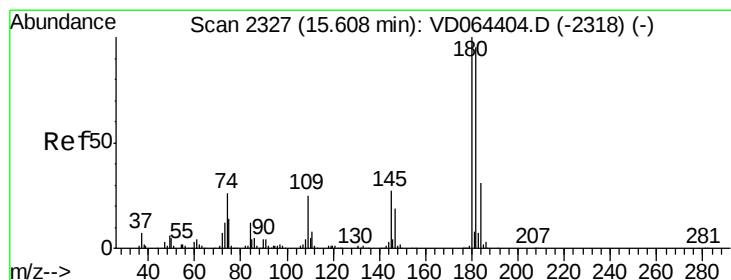
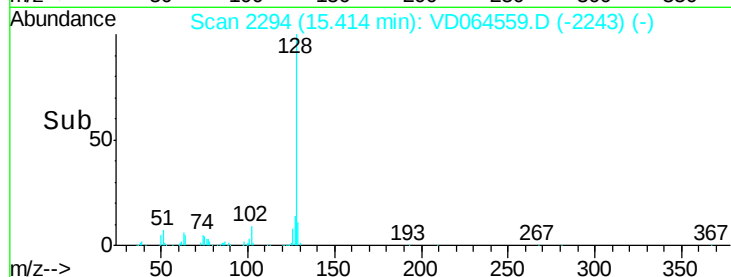
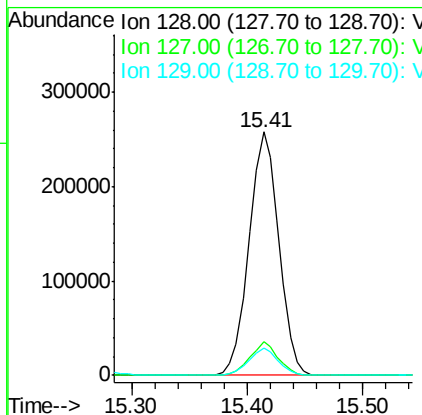
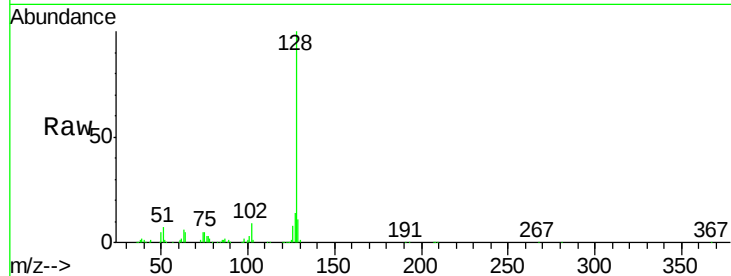
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	463270
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.5	15.7
129	11.0	8.8	13.2

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 47.343 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD064559.D

Acq: 23 Dec 2019 10:35

Tgt Ion:	180	Resp:	252559
Ion Ratio	Lower	Upper	
180	100		
182	94.2	47.6	142.9
145	28.9	14.6	43.8

