

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112719\
 Data File : VD064407.D
 Acq On : 27 Nov 2019 21:10
 Operator : VA/SY
 Sample : VSTDICV050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD112719

Manual Integrations
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 12/2/2019 10:56:50 AM

Quant Time: Nov 29 08:05:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 07:18:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	469398	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	683546	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	600639	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	296715	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	218958	51.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.06%	
35) Dibromofluoromethane	7.92	113	217122	50.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.84%	
50) Toluene-d8	10.34	98	824592	50.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.66%	
62) 4-Bromofluorobenzene	12.64	95	260823	50.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	198214	46.604	ug/l	99
3) Chloromethane	2.21	50	259727	48.416	ug/l	99
4) Vinyl Chloride	2.35	62	297409	48.017	ug/l	99
5) Bromomethane	2.77	94	221113	48.273	ug/l	98
6) Chloroethane	2.92	64	201411	48.650	ug/l	98
7) Trichlorofluoromethane	3.27	101	493280	47.906	ug/l	94
8) Diethyl Ether	3.71	74	106997	50.006	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	207933	47.098	ug/l	98
10) Methyl Iodide	4.29	142	244217	52.381	ug/l	98
11) Tert butyl alcohol	5.25	59	61579	227.688	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	204046	48.227	ug/l	96
13) Acrolein	3.93	56	91308	247.518	ug/l	98
14) Allyl chloride	4.71	41	324847	49.198	ug/l	98
15) Acrylonitrile	5.43	53	237773	254.123	ug/l	98
16) Acetone	4.17	43	186425	217.131	ug/l	97
17) Carbon Disulfide	4.40	76	651335	48.607	ug/l	97
18) Methyl Acetate	4.72	43	121894	48.671	ug/l	98
19) Methyl tert-butyl Ether	5.49	73	492508	50.747	ug/l	98
20) Methylene Chloride	4.96	84	226617	52.137	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	235276	49.161	ug/l	98
22) Diisopropyl ether	6.37	45	653133	50.106	ug/l	97
23) Vinyl Acetate	6.31	43	2019196	262.761	ug/l	99
24) 1,1-Dichloroethane	6.26	63	390509	49.816	ug/l	97
25) 2-Butanone	7.23	43	299230	246.439	ug/l	98
26) 2,2-Dichloropropane	7.21	77	320007	46.941	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	255009	48.875	ug/l	99
28) Bromochloromethane	7.55	49	147375	55.011	ug/l	97
29) Tetrahydrofuran	7.57	42	197767	256.004	ug/l	99
30) Chloroform	7.71	83	406309	50.047	ug/l	99
31) Cyclohexane	7.98	56	348665	51.040	ug/l	98
32) 1,1,1-Trichloroethane	7.91	97	365460	48.555	ug/l	100
36) 1,1-Dichloropropene	8.11	75	312448	48.326	ug/l	99
37) Ethyl Acetate	7.30	43	141731	51.663	ug/l	99
38) Carbon Tetrachloride	8.10	117	338692	49.634	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	381059	47.513	ug/l	98
40) Benzene	8.35	78	886359	49.360	ug/l	100
41) Methacrylonitrile	7.54	41	80024	50.864	ug/l #	85
42) 1,2-Dichloroethane	8.43	62	264906	50.586	ug/l	99
43) Isopropyl Acetate	8.46	43	277229	51.395	ug/l	100
44) Trichloroethene	9.11	130	261204	48.289	ug/l	97
45) 1,2-Dichloropropane	9.39	63	215132	50.094	ug/l	99
46) Dibromomethane	9.48	93	122495	50.537	ug/l	98
47) Bromodichloromethane	9.67	83	316832	50.872	ug/l	97
48) Methyl methacrylate	9.46	41	130139	52.724	ug/l	94
49) 1,4-Dioxane	9.47	88	30959	1034.341	ug/l	99
51) 4-Methyl-2-Pentanone	10.23	43	690298	258.642	ug/l	99
52) Toluene	10.40	92	575138	49.145	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	301085	50.726	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	354617	50.291	ug/l	100
55) 1,1,2-Trichloroethane	10.80	97	165819	49.961	ug/l	98
56) Ethyl methacrylate	10.67	69	220241	52.028	ug/l	98
57) 1,3-Dichloropropane	10.95	76	280021	49.563	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	387502	229.632	ug/l	98
59) 2-Hexanone	10.99	43	463942	250.516	ug/l	98
60) Dibromochloromethane	11.14	129	224499	49.889	ug/l	98
61) 1,2-Dibromoethane	11.25	107	166665	50.294	ug/l	98
64) Tetrachloroethene	10.88	164	226722	49.499	ug/l	99
65) Chlorobenzene	11.67	112	611169	48.787	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	237126	51.132	ug/l	98
67) Ethyl Benzene	11.75	91	1089644	48.887	ug/l	100
68) m/p-Xylenes	11.86	106	844360	99.353	ug/l	100
69) o-Xylene	12.18	106	388302	49.472	ug/l	100
70) Styrene	12.20	104	685648	50.269	ug/l	99
71) Bromoform	12.37	173	140084	50.489	ug/l #	98
73) Isopropylbenzene	12.48	105	1034101	48.458	ug/l	100
74) N-amyl acetate	12.30	43	256159	52.888	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	175230	49.654	ug/l	96
76) 1,2,3-Trichloropropane	12.79	75	133839m	54.850	ug/l	
77) Bromobenzene	12.77	156	267977	50.851	ug/l	98
78) n-propylbenzene	12.83	91	1204397	48.915	ug/l	100
79) 2-Chlorotoluene	12.91	91	664472	49.045	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	856177	49.096	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	57498	51.382	ug/l	99
82) 4-Chlorotoluene	13.01	91	699291	48.749	ug/l	100
83) tert-Butylbenzene	13.23	119	742997	49.007	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	854837	48.749	ug/l	99
85) sec-Butylbenzene	13.41	105	1002944	48.199	ug/l	100
86) p-Isopropyltoluene	13.53	119	967195	49.234	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	494027	49.392	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	478023	48.408	ug/l	99
89) n-Butylbenzene	13.85	91	864864	48.479	ug/l	100
90) Hexachloroethane	14.12	117	181585	49.420	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	427594	50.023	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	28535	54.510	ug/l	97

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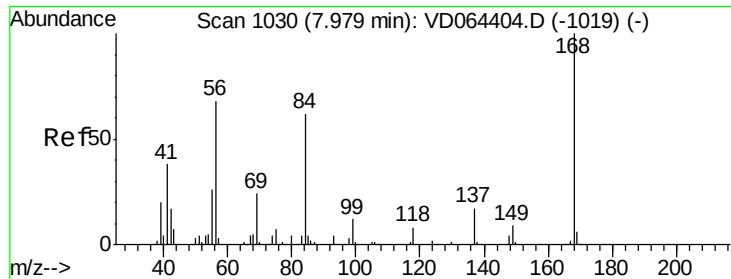
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	319390	48.789	ug/l	98
94) Hexachlorobutadiene	15.28	225	195880	48.469	ug/l	99
95) Naphthalene	15.41	128	558874	51.155	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	278887	49.908	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD064407.D

Acq: 27 Nov 2019 21:10

Instrument :

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ClientSampleId :

ICVVD112719

Tot Ion:168 Resp: 469398

Ion Ratio Lower Upper

168 100

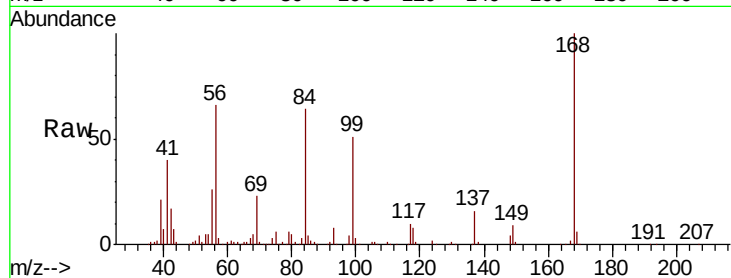
99 50.8 40.7 61.1

Manual Integrations

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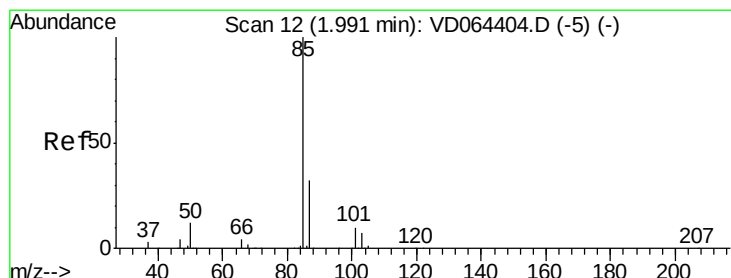
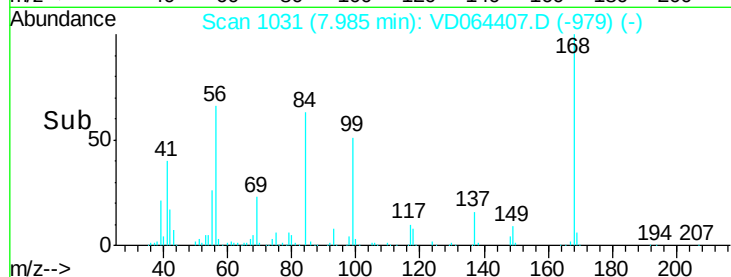
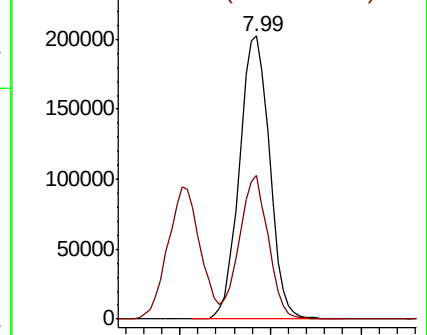
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 46.604 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064407.D

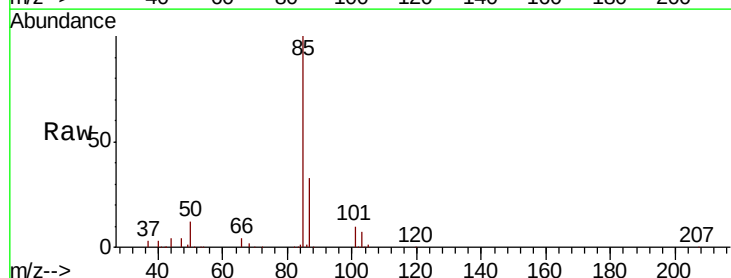
Acq: 27 Nov 2019 21:10

Tgt Ion: 85 Resp: 198214

Ion Ratio Lower Upper

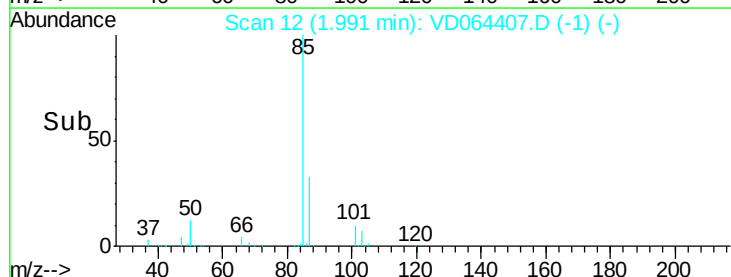
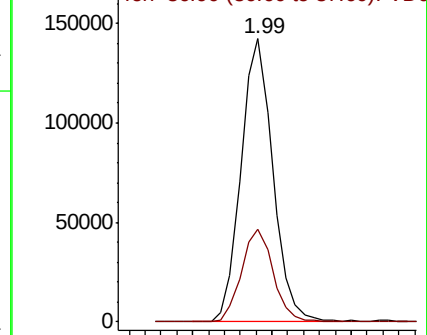
85 100

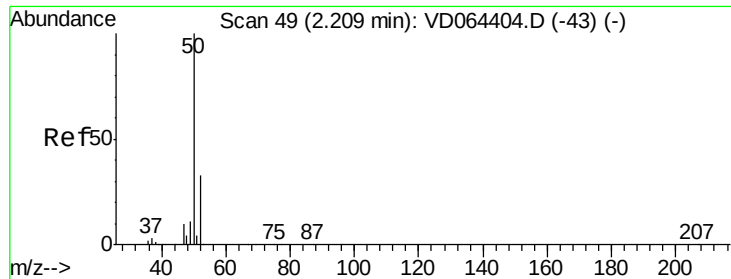
87 32.9 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 48.416 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064407.D

Acq: 27 Nov 2019 21:10

Instrument :

MSVOA_D

ClientSampleId :

ICVVD112719

Tot Ion: 50 Resp: 259727

Ion Ratio Lower Upper

50 100

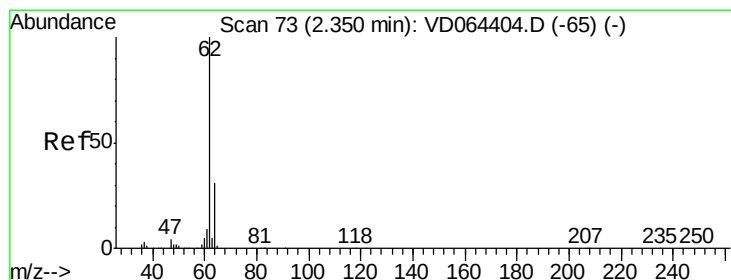
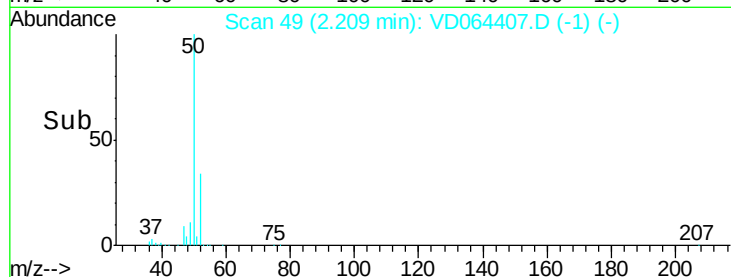
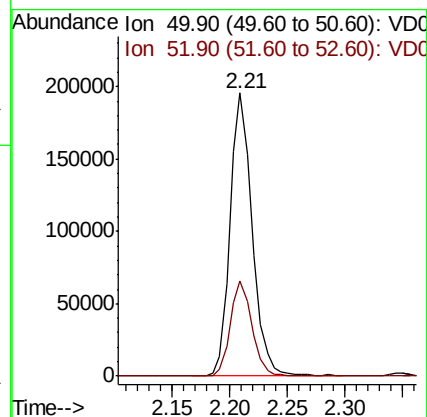
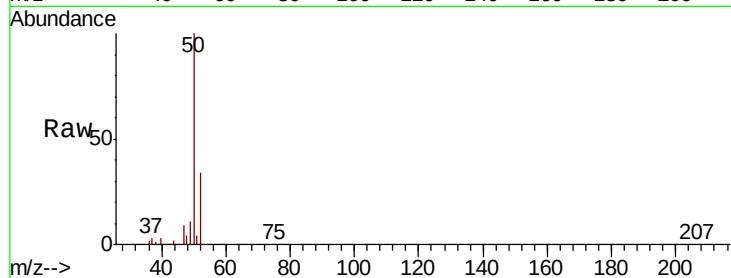
52 33.8 26.7 40.1

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#4

Vinyl Chloride

Concen: 48.017 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064407.D

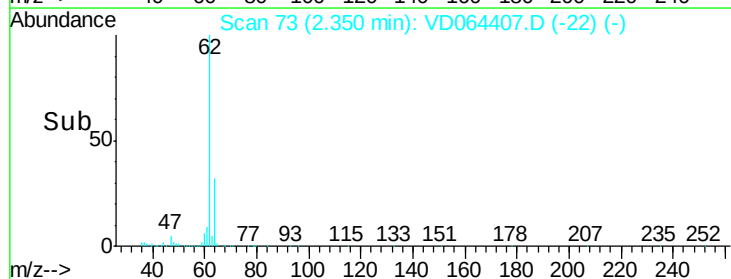
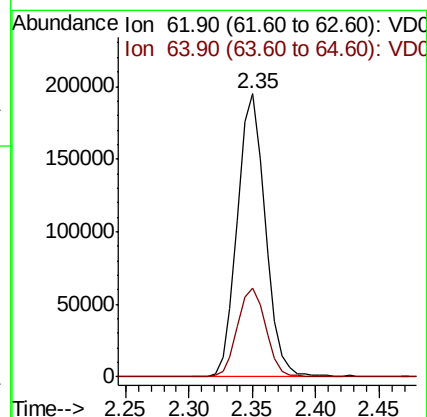
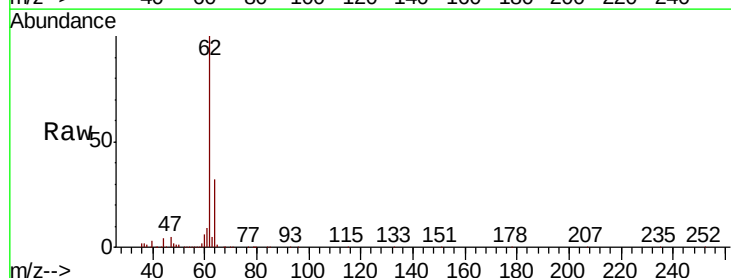
Acq: 27 Nov 2019 21:10

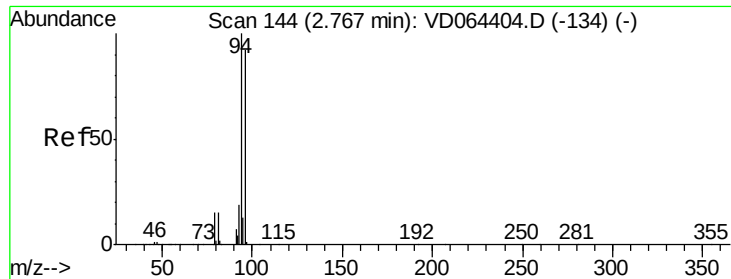
Tgt Ion: 62 Resp: 297409

Ion Ratio Lower Upper

62 100

64 31.5 25.0 37.4





#5

Bromomethane

Concen: 48.273 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD064407.D

Acq: 27 Nov 2019 21:10

Instrument :

MSVOA_D

ClientSampleId :

ICVVD112719

Tot Ion: 94 Resp: 221113

Ion Ratio Lower Upper

94 100

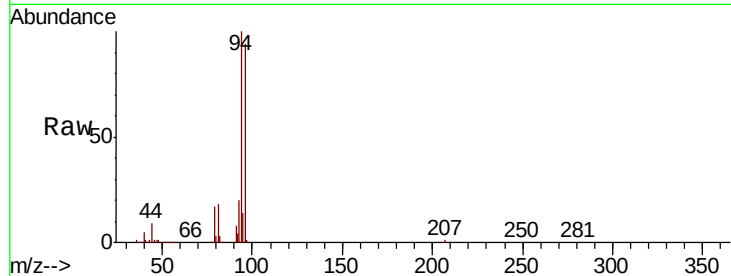
96 94.3 73.6 110.4

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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

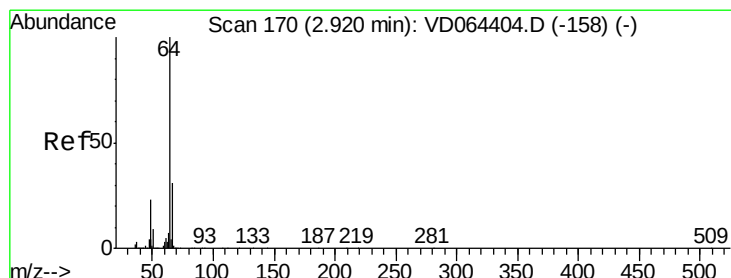
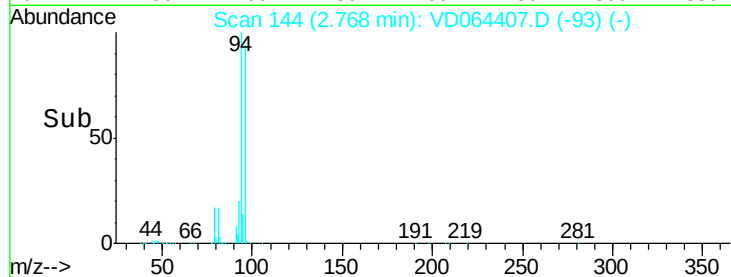
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 48.650 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064407.D

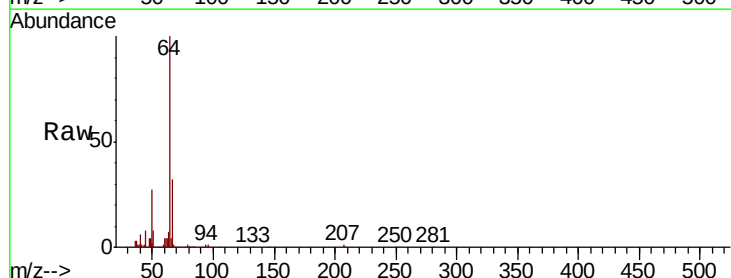
Acq: 27 Nov 2019 21:10

Tgt Ion: 64 Resp: 201411

Ion Ratio Lower Upper

64 100

66 31.7 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

100000

80000

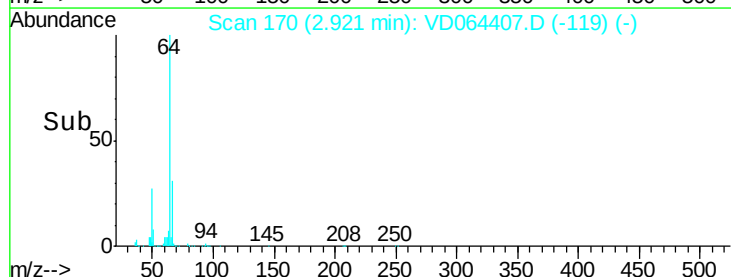
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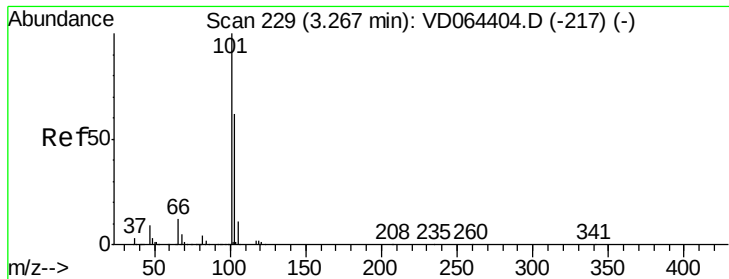
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20000

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#7

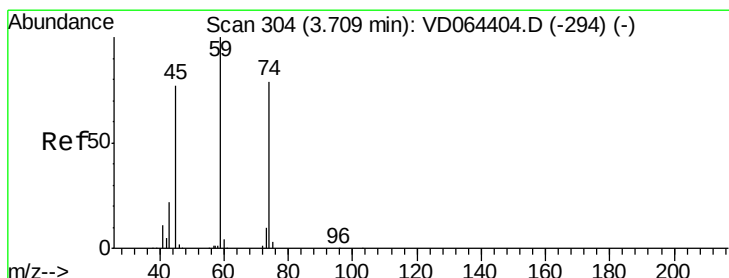
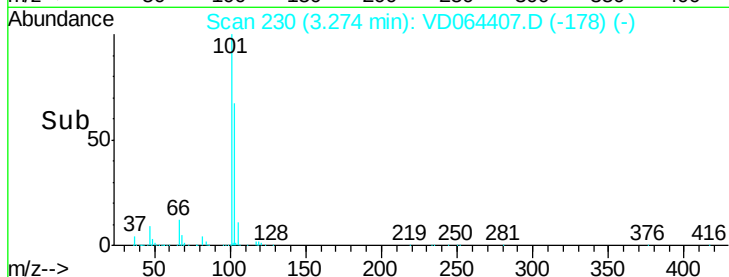
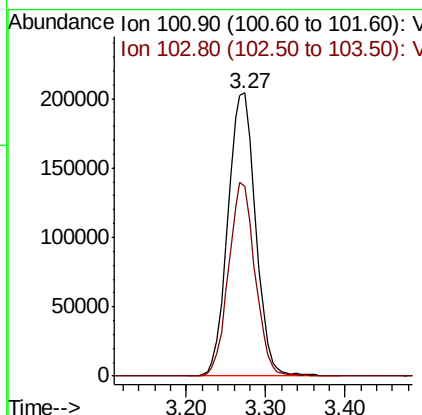
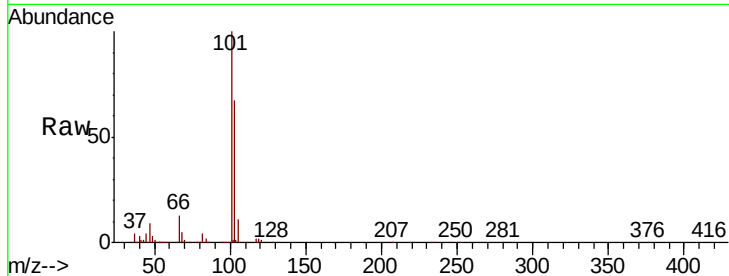
Trichlorofluoromethane
 Concen: 47.906 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.01 min
 Lab File: VD064407.D
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	493280		
103	67.1		49.8	74.6

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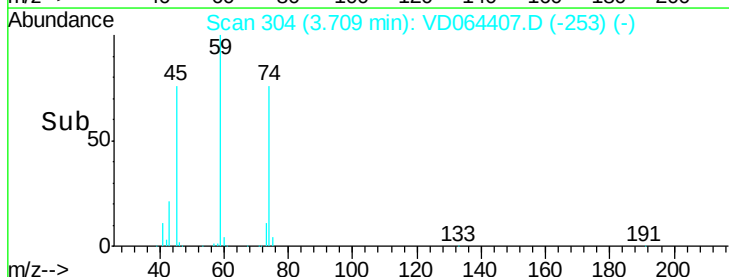
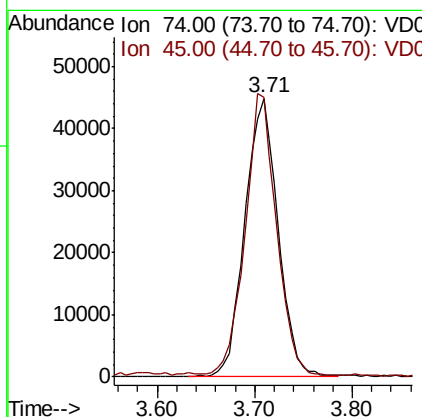
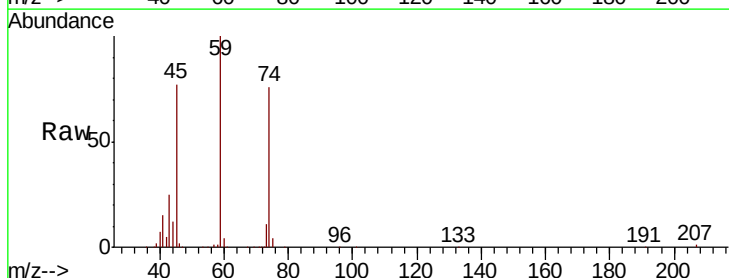
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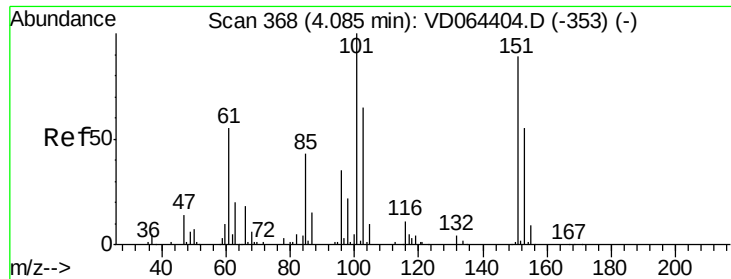


#8

Diethyl Ether
 Concen: 50.006 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD064407.D
 Acq: 27 Nov 2019 21:10

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	106997		
45	95.4		48.6	145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.098 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064407.D

Acq: 27 Nov 2019 21:10

Instrument :

MSVOA_D

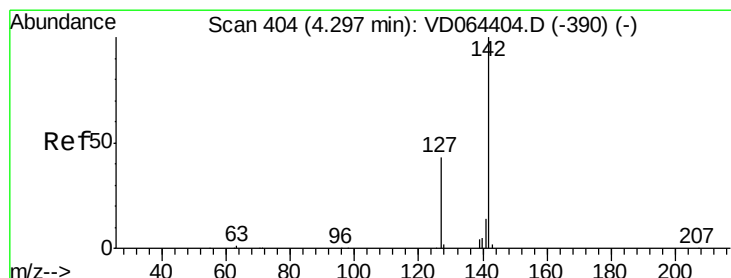
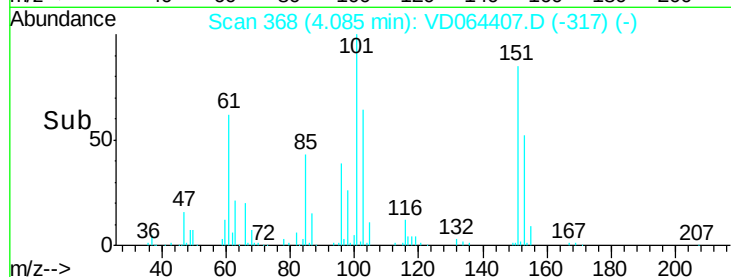
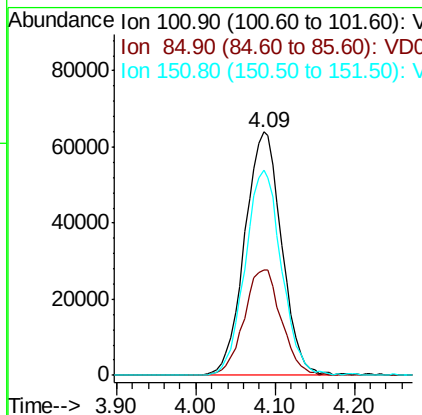
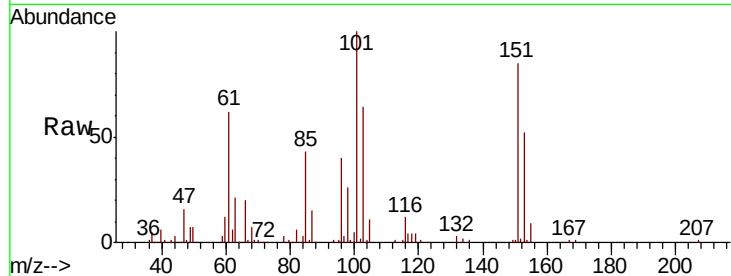
ClientSampleId :

ICVVD112719

Tot Ion:	101	Resp:	207933
Ion Ratio	Lower	Upper	
101	100		
85	43.7	34.8	52.2
151	82.9	68.8	103.2

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#10

Methyl Iodide

Concen: 52.381 ug/l

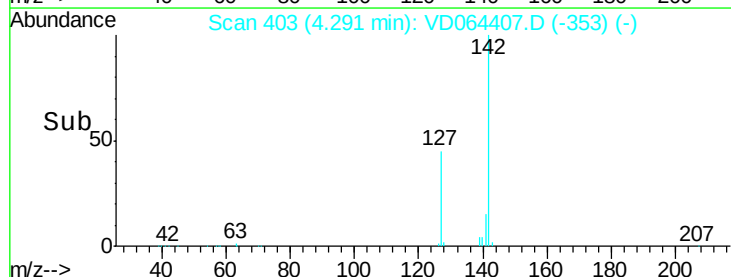
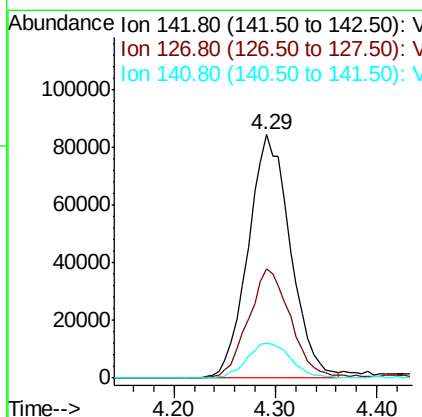
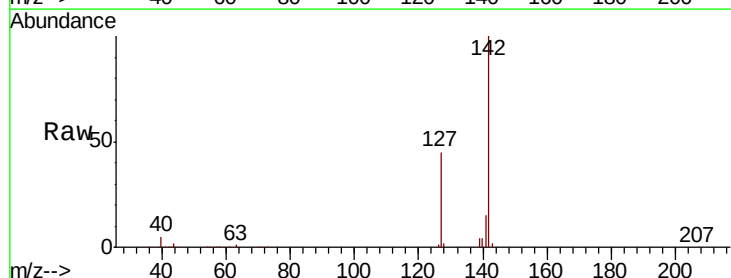
RT: 4.29 min Scan# 403

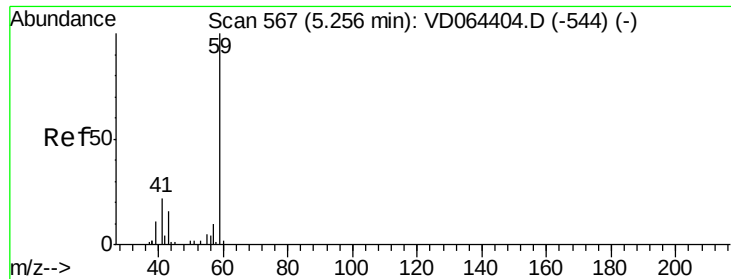
Delta R.T. -0.01 min

Lab File: VD064407.D

Acq: 27 Nov 2019 21:10

Tgt Ion:	142	Resp:	244217
Ion Ratio	Lower	Upper	
142	100		
127	45.2	35.3	52.9
141	15.2	11.6	17.4





#11

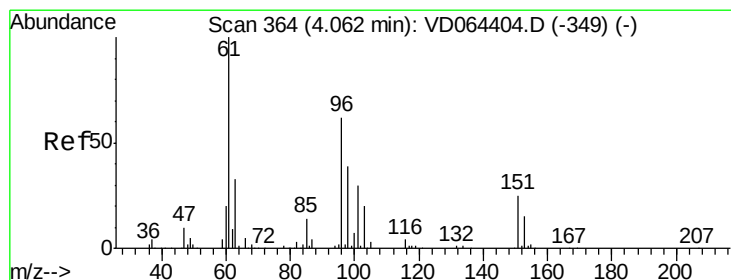
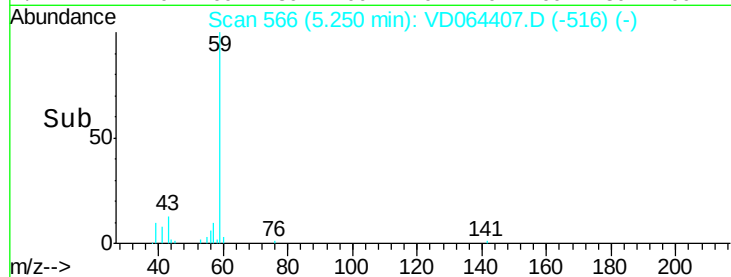
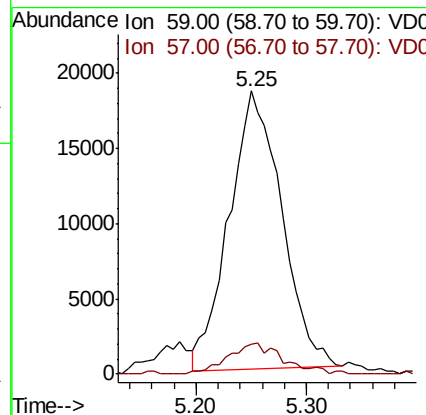
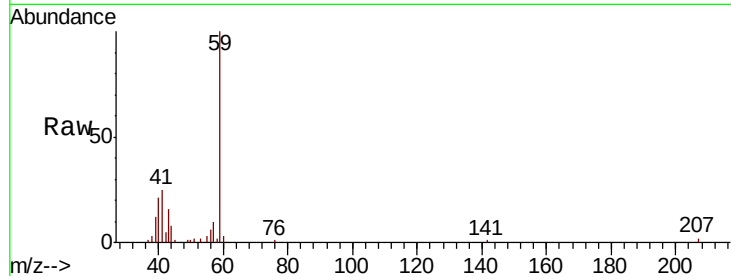
Tert butyl alcohol
 Concen: 227.688 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. -0.01 min
 Lab File: VD064407.D
 Acq: 27 Nov 2019 21:10

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD112719

Tot Ion: 59 Resp: 61579
 Ion Ratio Lower Upper
 59 100
 57 11.8 0.0 0.0#

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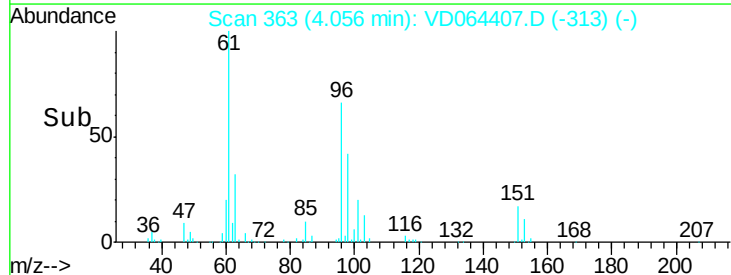
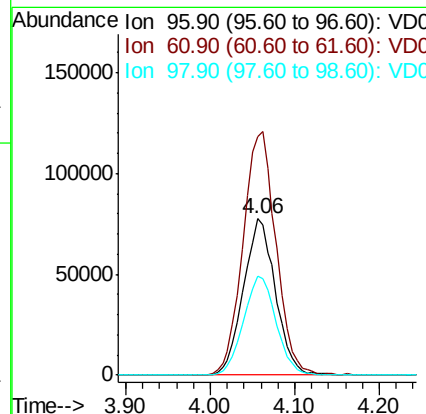
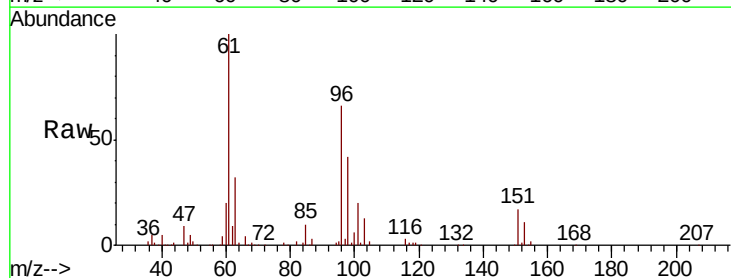
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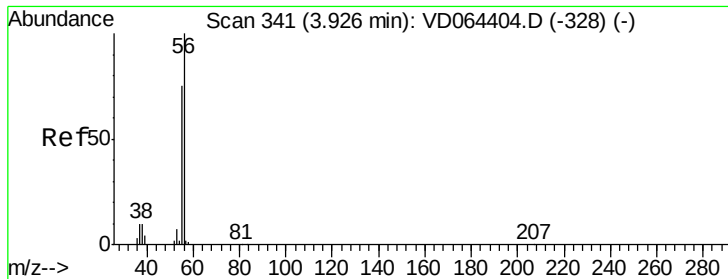


#12

1,1-Dichloroethene
 Concen: 48.227 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. -0.01 min
 Lab File: VD064407.D
 Acq: 27 Nov 2019 21:10

Tgt Ion: 96 Resp: 204046
 Ion Ratio Lower Upper
 96 100
 61 152.5 128.2 192.4
 98 63.6 50.4 75.6





#13

Acrolein

Concen: 247.518 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD064407.D

Acq: 27 Nov 2019 21:10

Instrument :

MSVOA_D

ClientSampleId :

ICVVD112719

Tot Ion: 56 Resp: 91308

Ion Ratio Lower Upper

56 100

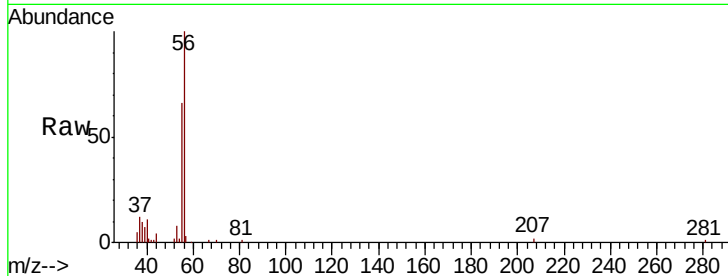
55 69.9 56.9 85.3

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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.93

40000

30000

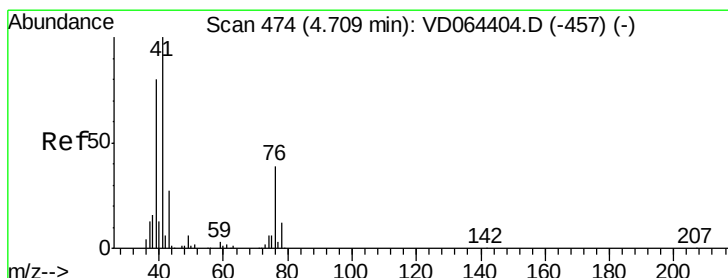
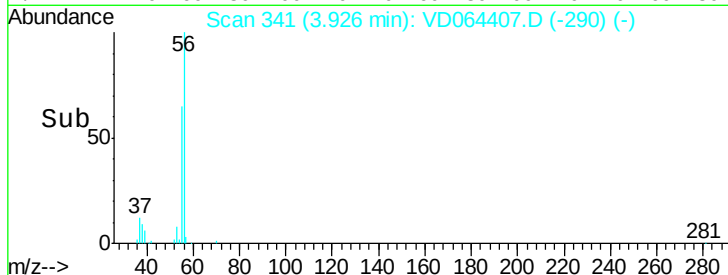
20000

10000

0

Time-->

3.80 3.90 4.00



#14

Allyl chloride

Concen: 49.198 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064407.D

Acq: 27 Nov 2019 21:10

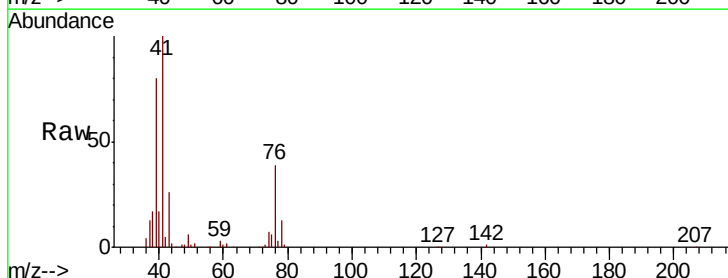
Tgt Ion: 41 Resp: 324847

Ion Ratio Lower Upper

41 100

39 75.6 62.1 93.1

76 37.4 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

4.71

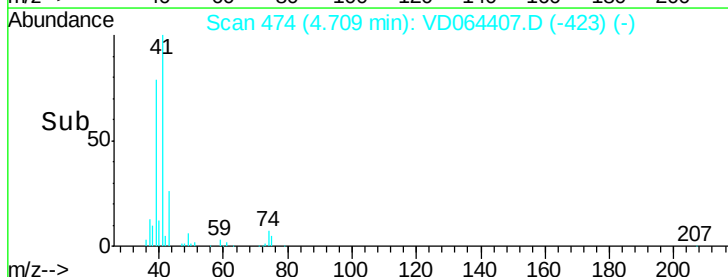
100000

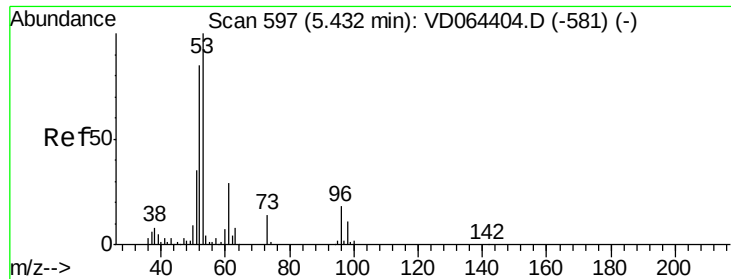
50000

0

Time-->

4.50 4.60 4.70 4.80





#15

Acrylonitrile

Concen: 254.123 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064407.D

Acq: 27 Nov 2019 21:10

Instrument :

MSVOA_D

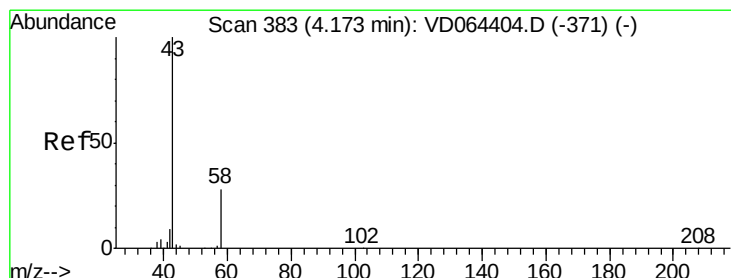
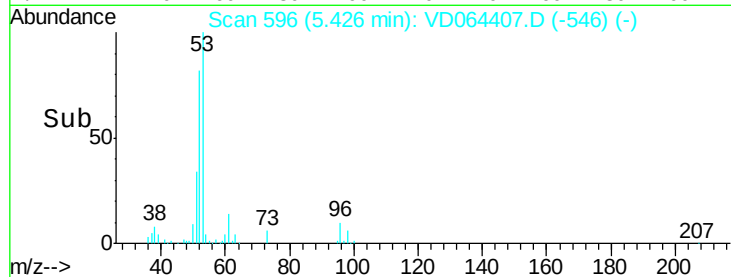
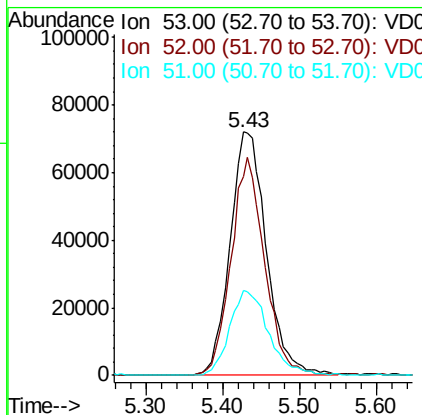
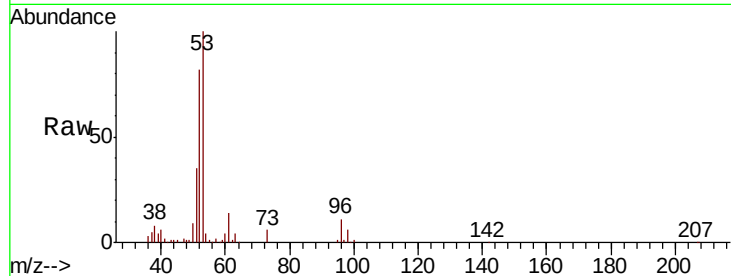
ClientSampleId :

ICVVD112719

Tot Ion:	53	Resp:	237773
Ion	Ratio	Lower	Upper
53	100		
52	82.4	67.9	101.9
51	37.1	30.6	45.8

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#16

Acetone

Concen: 217.131 ug/l

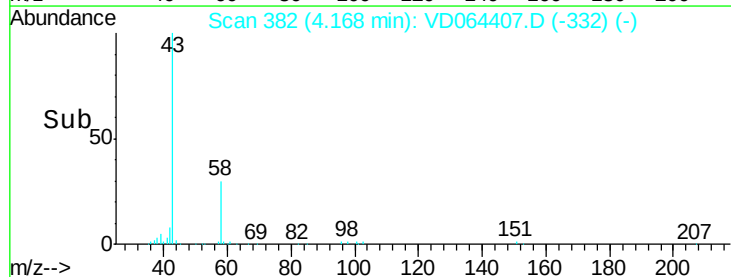
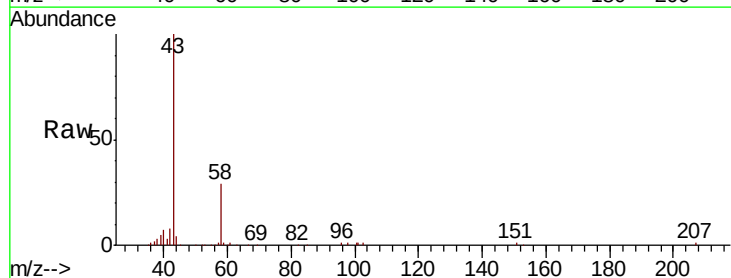
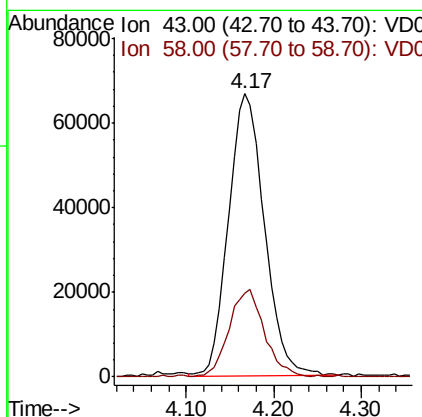
RT: 4.17 min Scan# 382

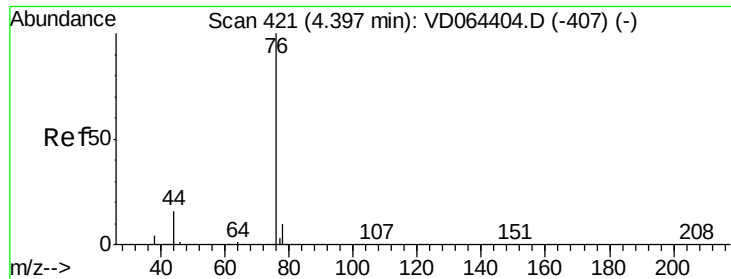
Delta R.T. -0.01 min

Lab File: VD064407.D

Acq: 27 Nov 2019 21:10

Tgt Ion:	43	Resp:	186425
Ion	Ratio	Lower	Upper
43	100		
58	29.6	22.6	33.8





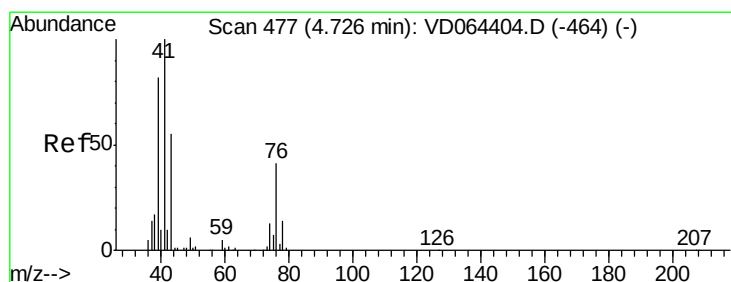
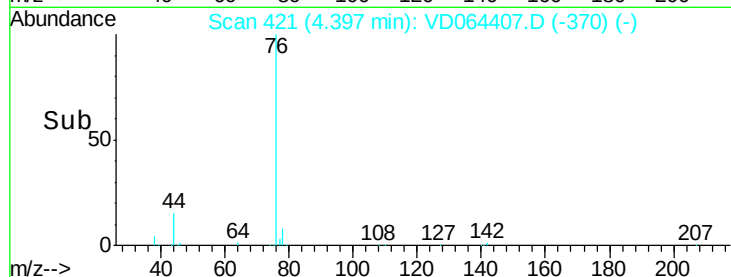
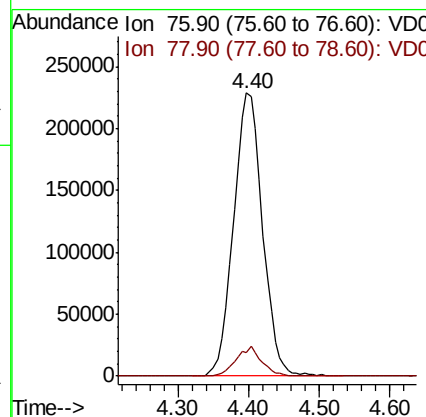
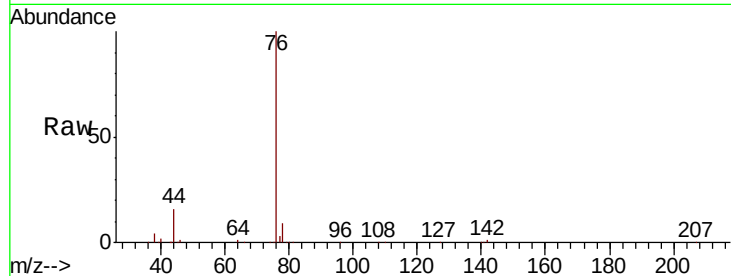
#17
Carbon Disulfide
Concen: 48.607 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.00 min
Lab File: VD064407.D
Acq: 27 Nov 2019 21:10

Instrument :
MSVOA_D
ClientSampleId :
ICVVD112719

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.8	11.8

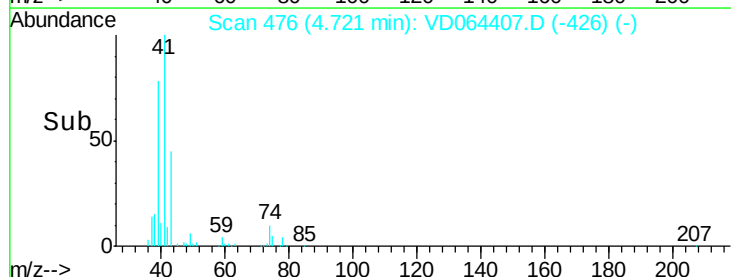
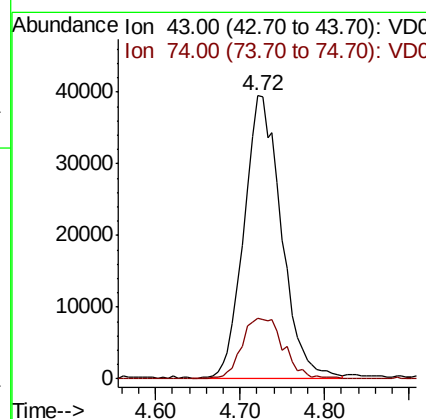
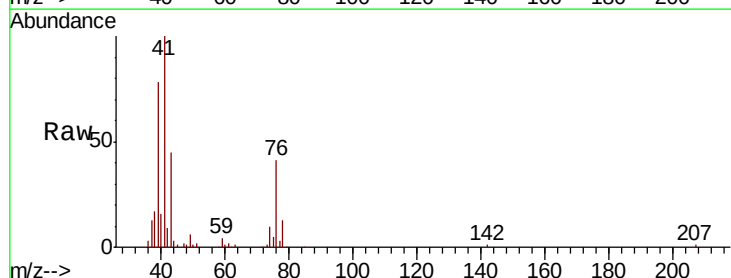
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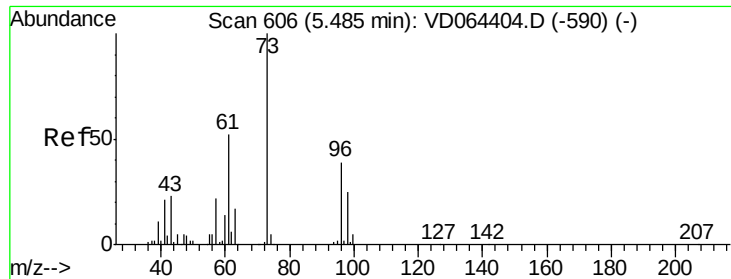
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#18
Methyl Acetate
Concen: 48.671 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD064407.D
Acq: 27 Nov 2019 21:10

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.7	19.7	29.5





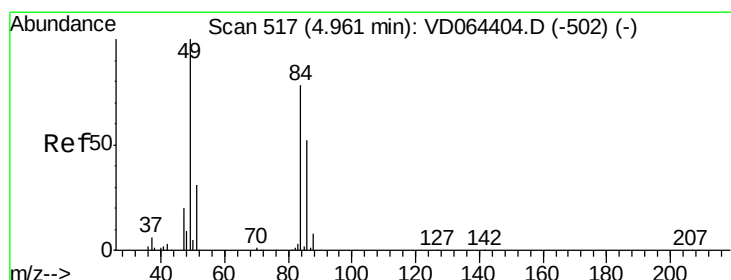
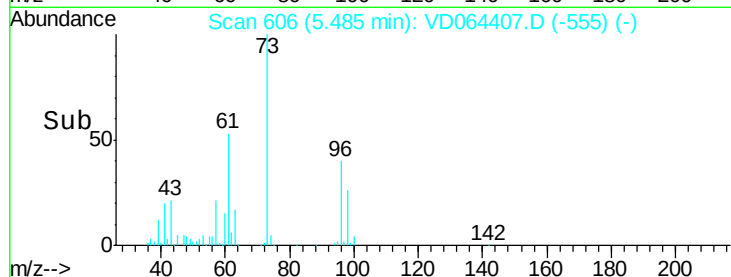
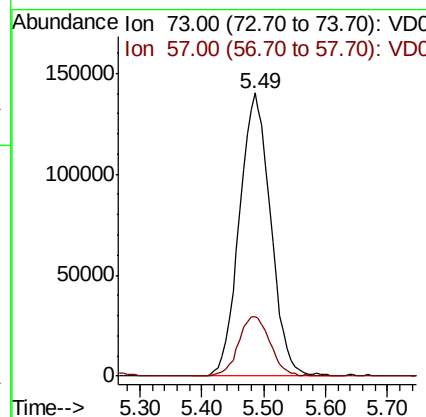
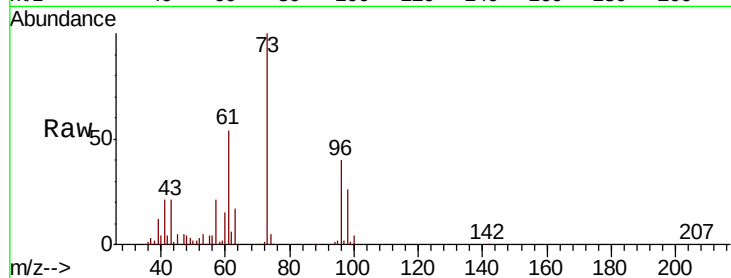
#19
Methyl tert-butyl Ether
Concen: 50.747 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD064407.D
Acq: 27 Nov 2019 21:10

Instrument :
MSVOA_D
ClientSampleId :
ICVVD112719

Tot Ion: 73 Resp: 492508
Ion Ratio Lower Upper
73 100
57 20.9 17.6 26.4

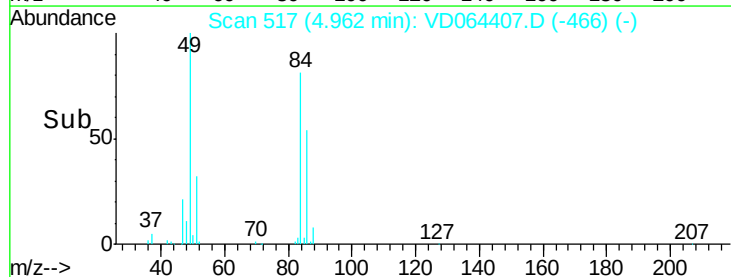
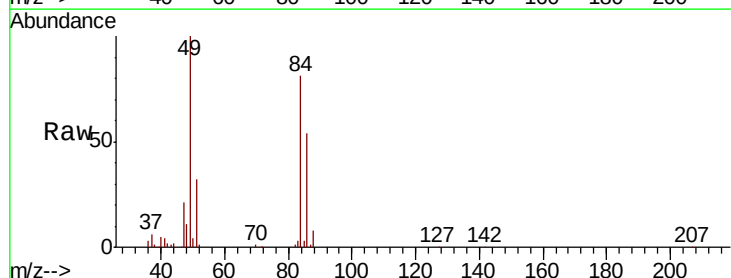
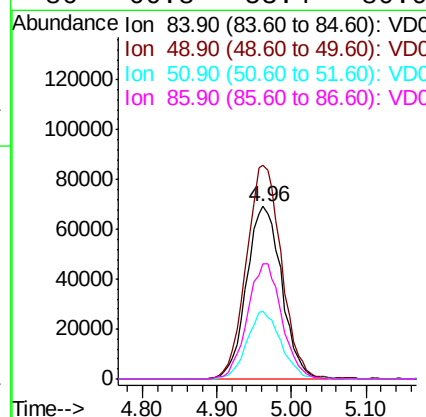
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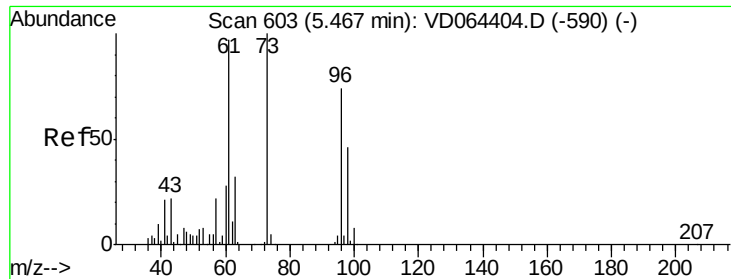
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#20
Methylene Chloride
Concen: 52.137 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064407.D
Acq: 27 Nov 2019 21:10

Tgt Ion: 84 Resp: 226617
Ion Ratio Lower Upper
84 100
49 123.8 102.6 153.8
51 39.0 32.0 48.0
86 66.8 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 49.161 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD064407.D

Acq: 27 Nov 2019 21:10

Instrument :

MSVOA_D

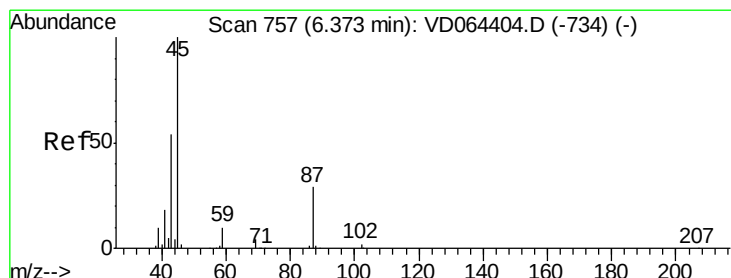
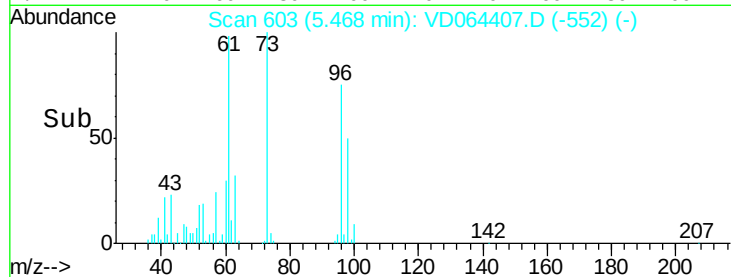
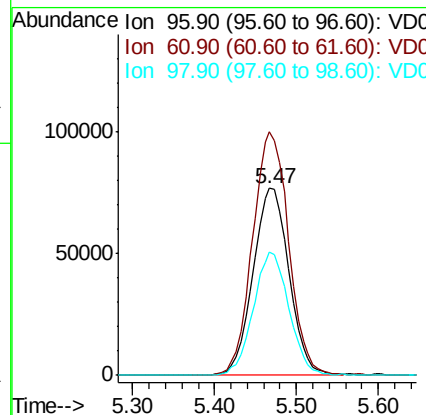
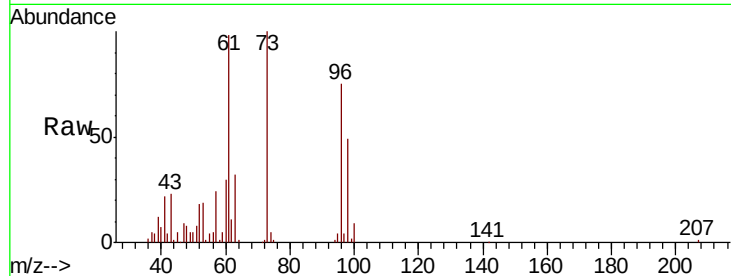
ClientSampled :

ICVVD112719

Tot Ion:	96	Resp:	235276
Ion	Ratio	Lower	Upper
96	100		
61	130.4	105.8	158.6
98	65.8	50.1	75.1

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#22

Diisopropyl ether

Concen: 50.106 ug/l

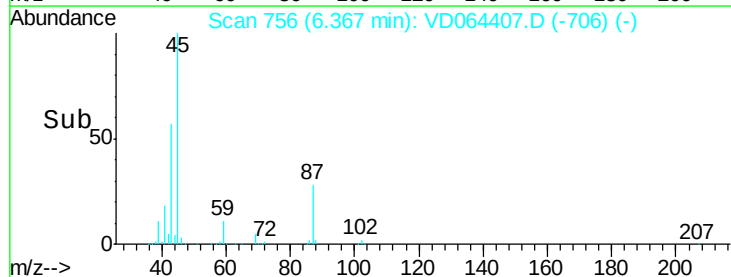
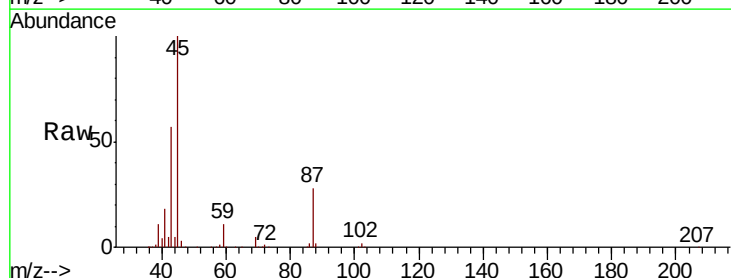
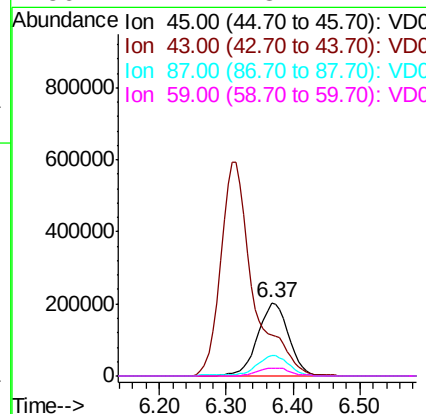
RT: 6.37 min Scan# 756

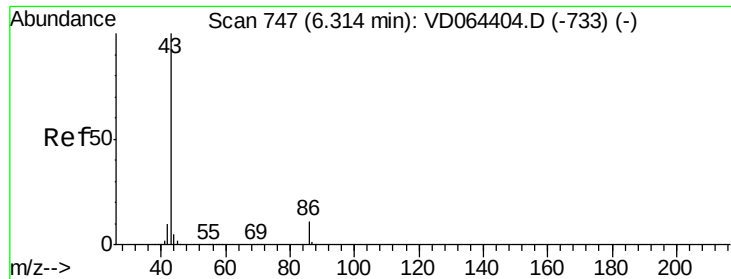
Delta R.T. -0.01 min

Lab File: VD064407.D

Acq: 27 Nov 2019 21:10

Tgt Ion:	45	Resp:	653133
Ion	Ratio	Lower	Upper
45	100		
43	55.9	43.1	64.7
87	27.7	23.5	35.3
59	11.2	8.2	12.2





#23

Vinyl Acetate

Concen: 262.761 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD064407.D

Acq: 27 Nov 2019 21:10

Instrument :

MSVOA_D

ClientSampleId :

ICVVD112719

Tot Ion: 43 Resp: 2019196

Ion Ratio Lower Upper

43 100

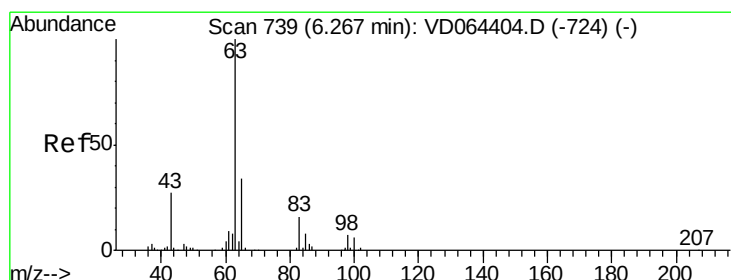
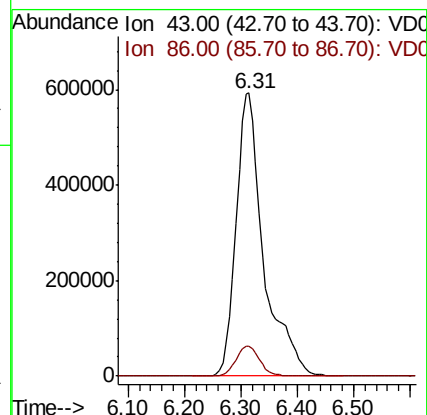
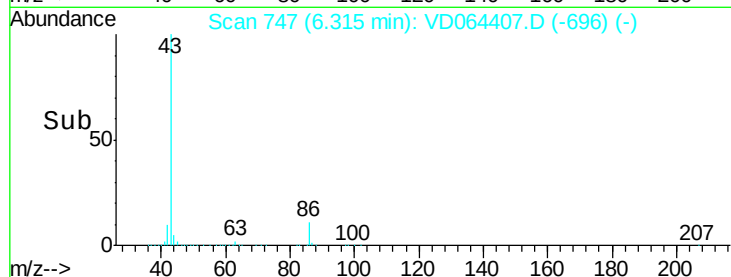
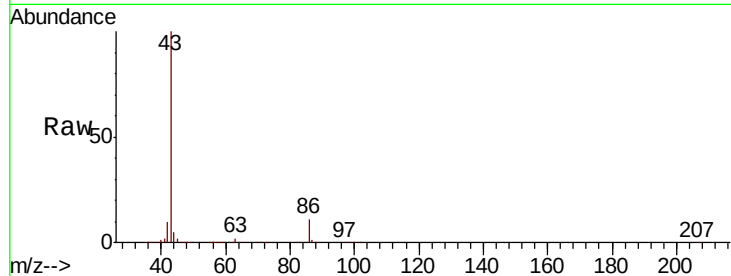
86 10.6 8.9 13.3

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#24

1,1-Dichloroethane

Concen: 49.816 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064407.D

Acq: 27 Nov 2019 21:10

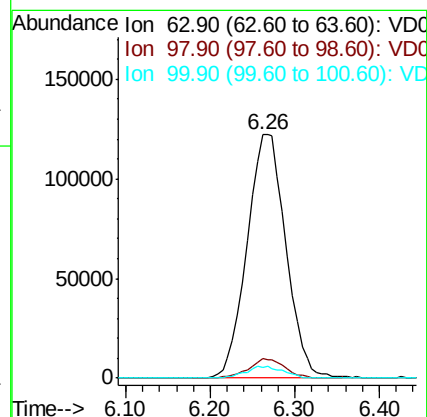
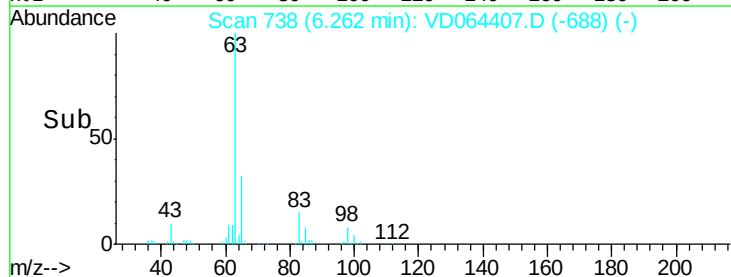
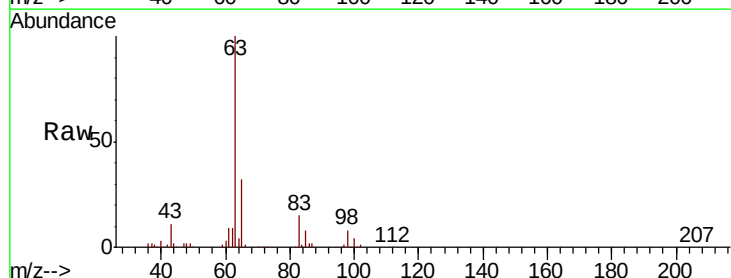
Tgt Ion: 63 Resp: 390509

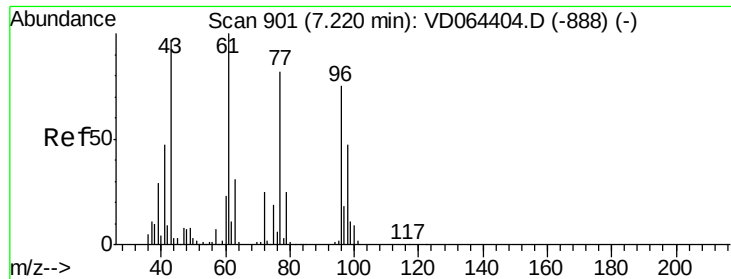
Ion Ratio Lower Upper

63 100

98 7.9 3.6 10.9

100 4.2 2.9 8.6





#25

2-Butanone

Concen: 246.439 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD064407.D

Acq: 27 Nov 2019 21:10

Instrument :

MSVOA_D

ClientSampleId :

ICVVD112719

Tot Ion: 43 Resp: 299230

Ion Ratio Lower Upper

43 100

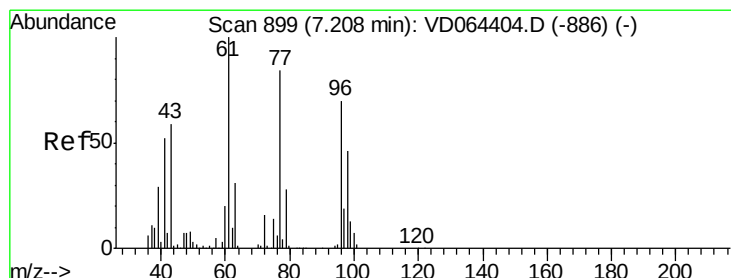
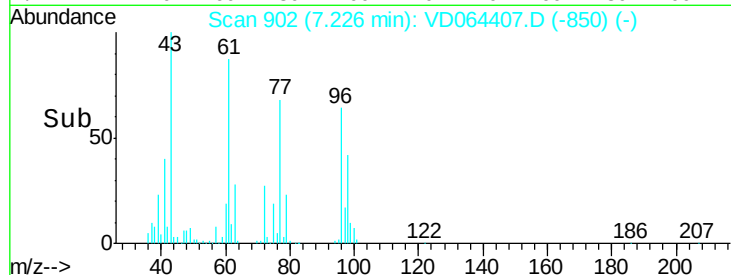
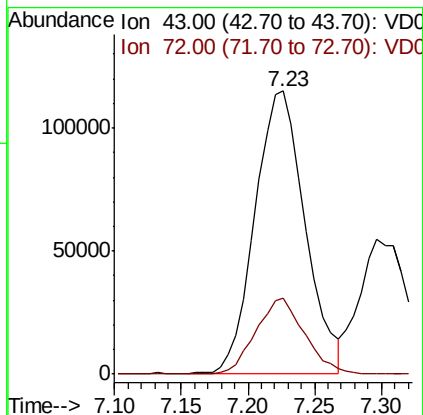
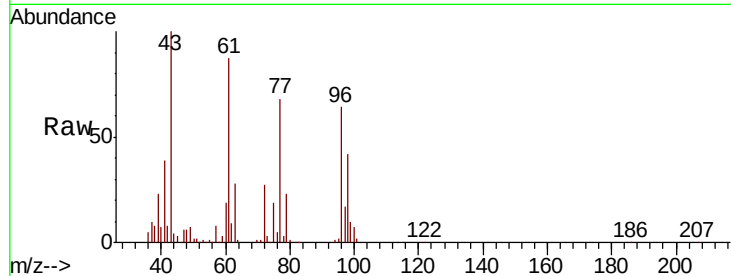
72 27.1 21.0 31.4

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#26

2,2-Dichloropropane

Concen: 46.941 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064407.D

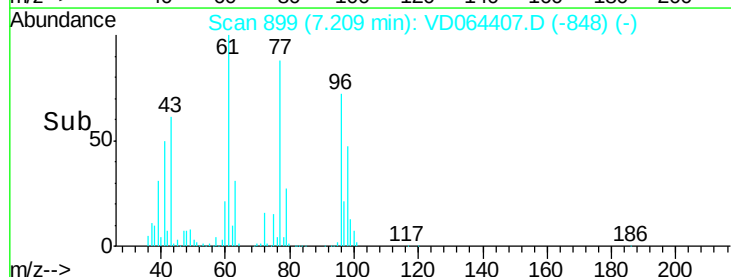
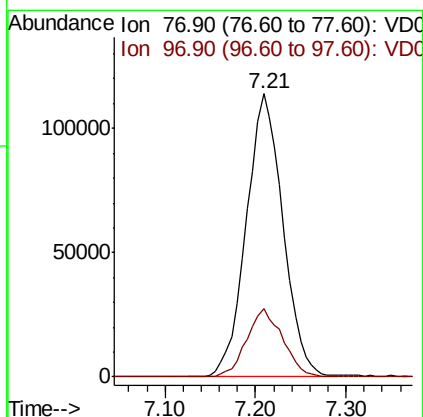
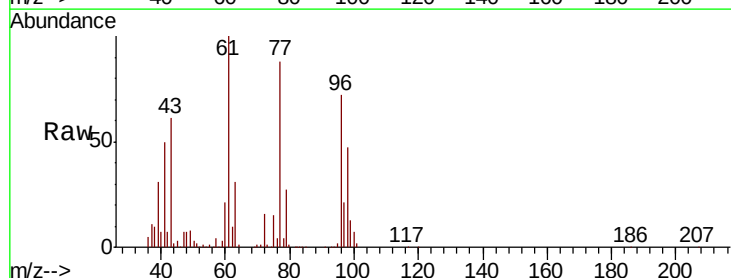
Acq: 27 Nov 2019 21:10

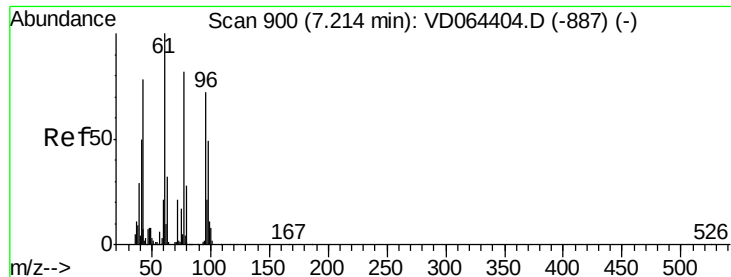
Tgt Ion: 77 Resp: 320007

Ion Ratio Lower Upper

77 100

97 23.6 11.6 34.7





#27

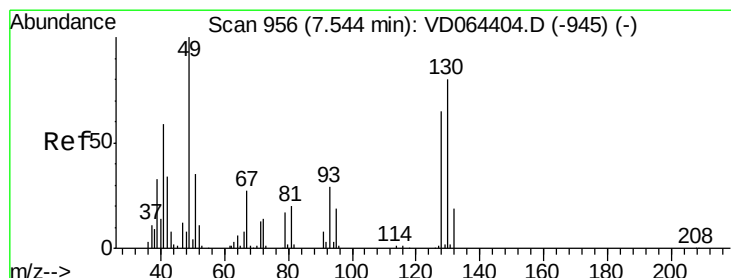
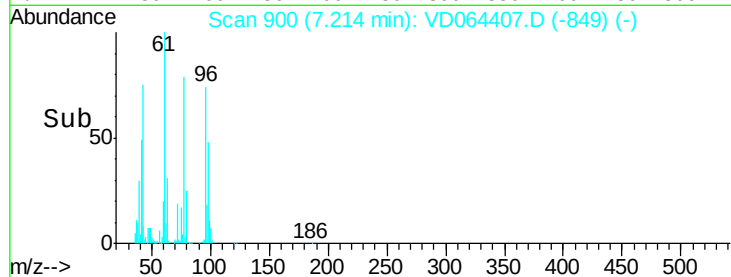
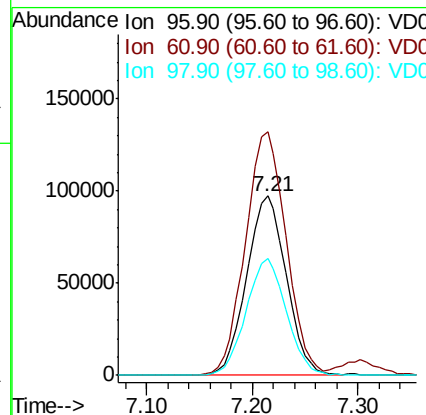
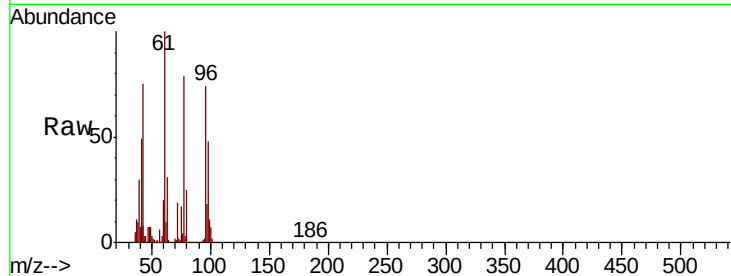
cis-1,2-Dichloroethene
 Concen: 48.875 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD064407.D
 Acq: 27 Nov 2019 21:10

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD112719

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.2	0.0	279.6
98	65.8	0.0	129.2

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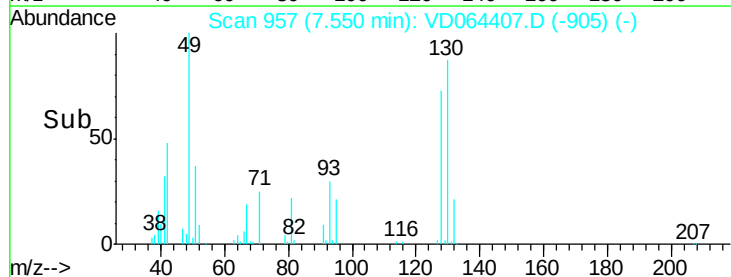
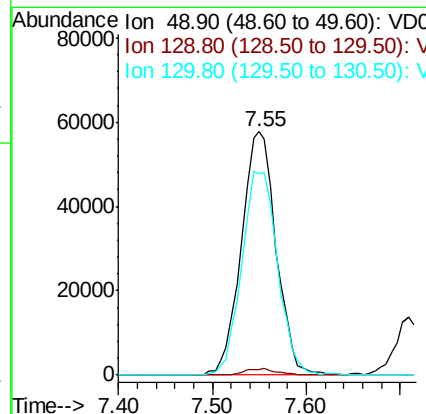
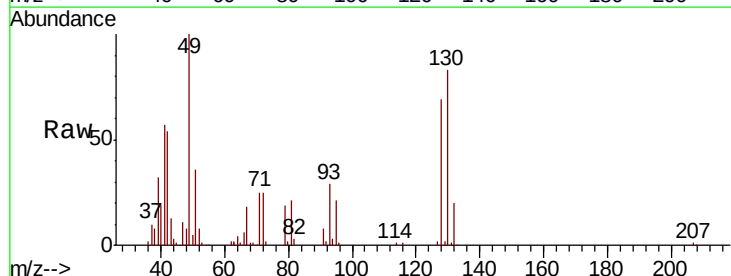
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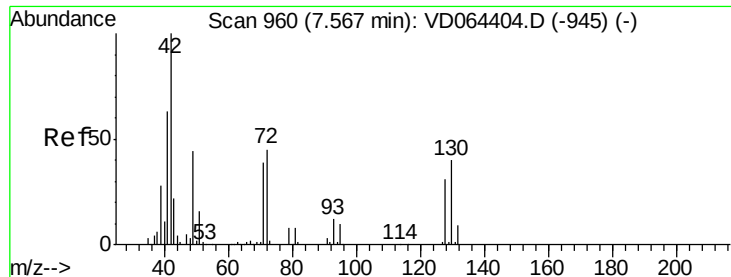


#28

Bromochloromethane
 Concen: 55.011 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.01 min
 Lab File: VD064407.D
 Acq: 27 Nov 2019 21:10

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.4
130	86.6	67.4	101.0





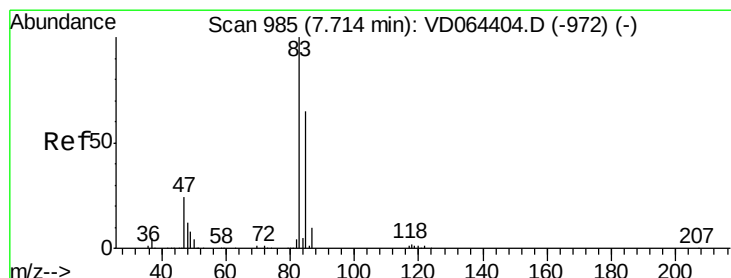
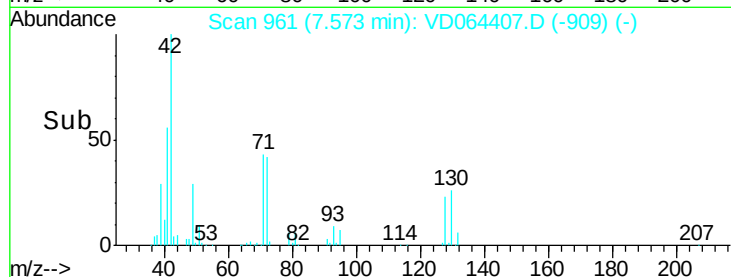
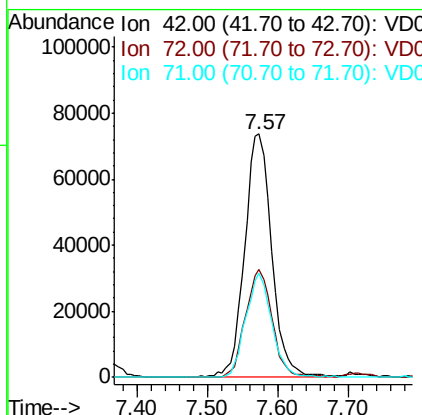
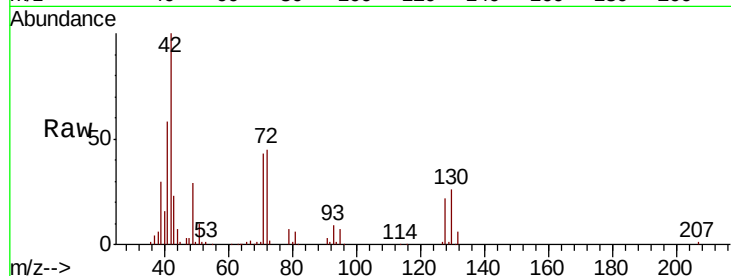
#29
Tetrahydrofuran
Concen: 256.004 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.01 min
Lab File: VD064407.D
Acq: 27 Nov 2019 21:10

Instrument :
MSVOA_D
ClientSampleId :
ICVVD112719

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.6	35.8	53.8
71	40.9	32.7	49.1

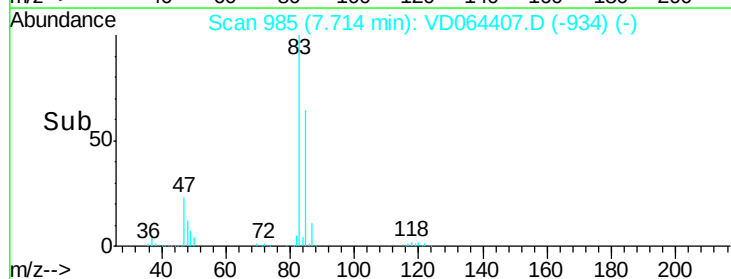
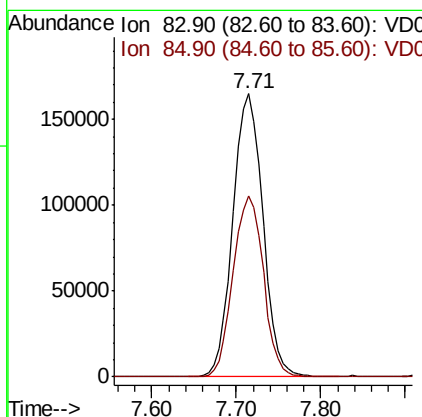
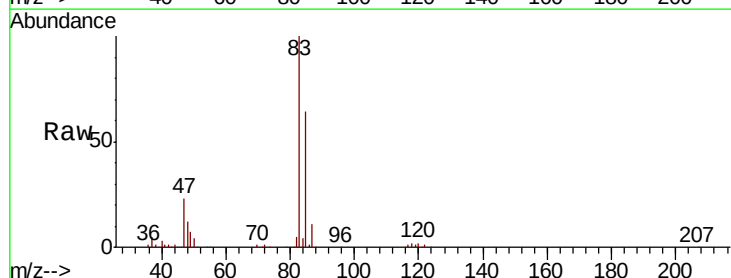
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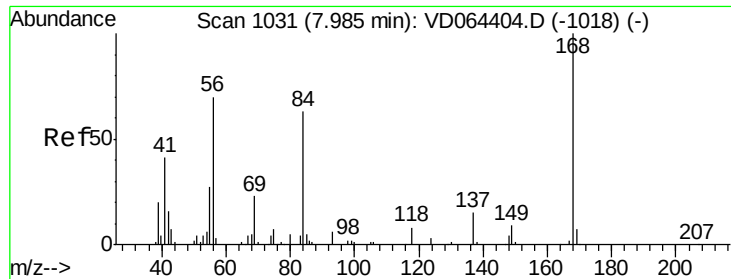
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#30
Chloroform
Concen: 50.047 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064407.D
Acq: 27 Nov 2019 21:10

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.8	77.6





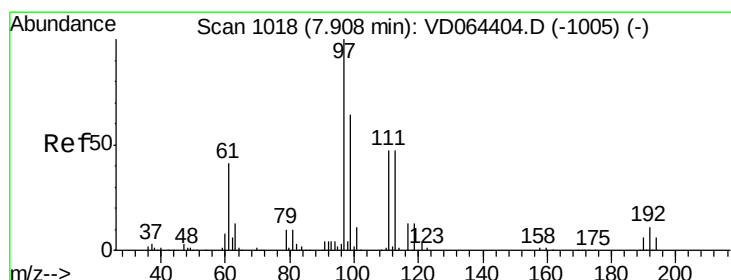
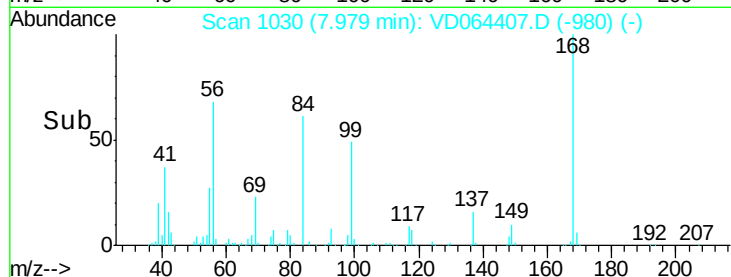
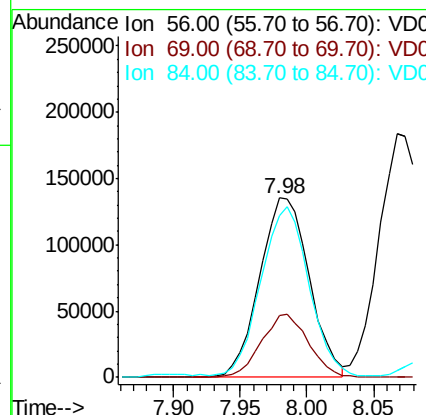
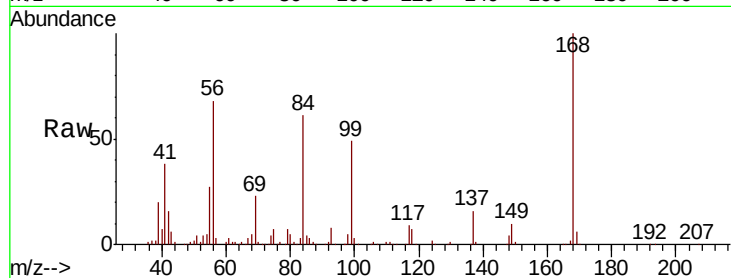
#31
Cyclohexane
Concen: 51.040 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VD064407.D
Acq: 27 Nov 2019 21:10

Instrument :
MSVOA_D
ClientSampleId :
ICVVD112719

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.3	26.2	39.4
84	89.1	70.3	105.5

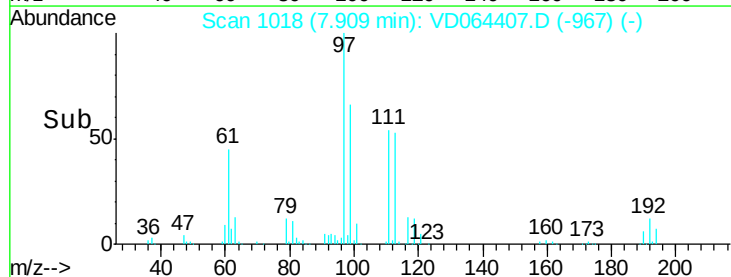
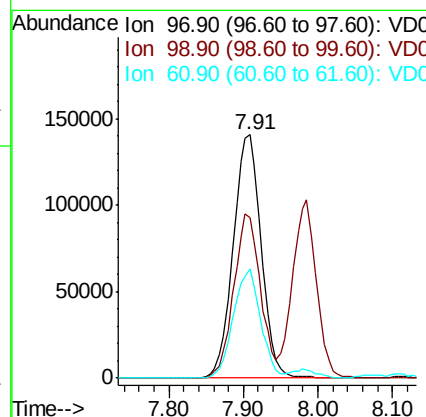
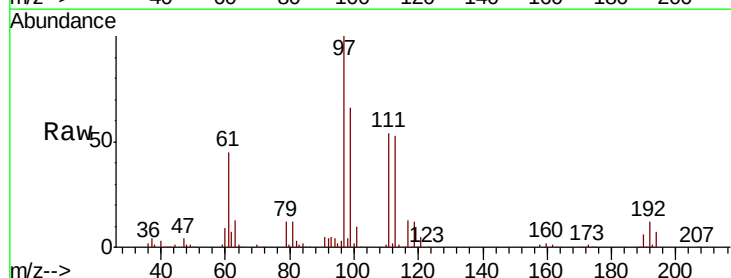
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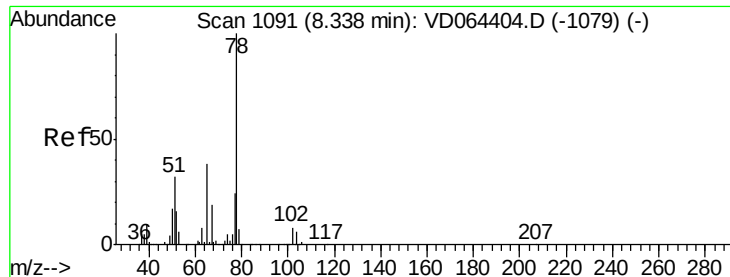
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#32
1,1,1-Trichloroethane
Concen: 48.555 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD064407.D
Acq: 27 Nov 2019 21:10

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.4	77.2
61	43.8	35.0	52.4





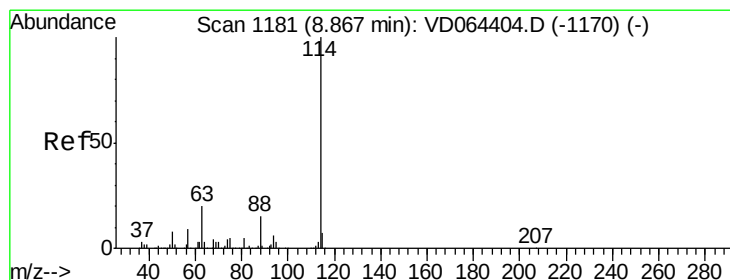
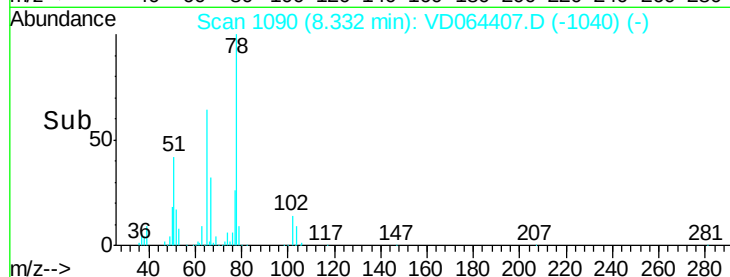
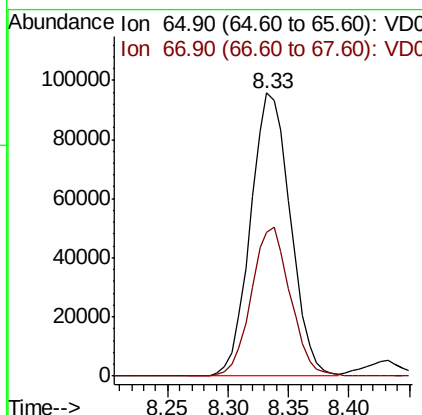
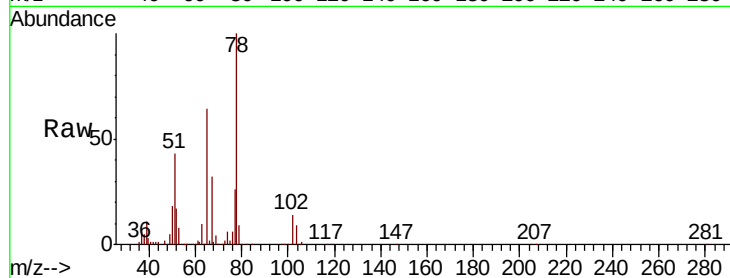
#33
 1,2-Dichloroethane-d4
 Concen: 51.535 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD064407.D
 Acq: 27 Nov 2019 21:10

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD112719

Tot Ion	Ratio	Resp	Lower	Upper
65	100	218958		
67	51.6	0.0	102.0	

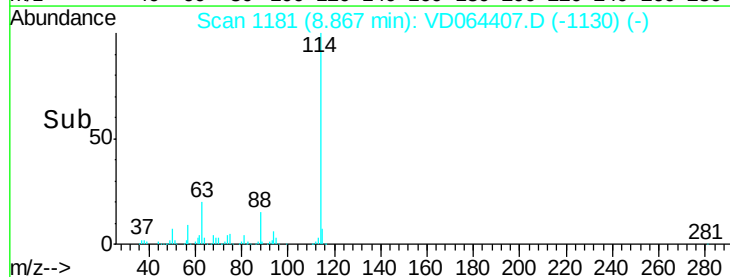
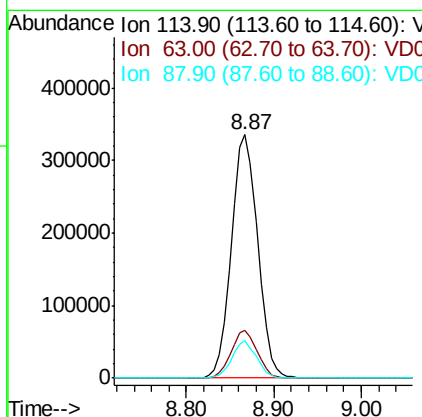
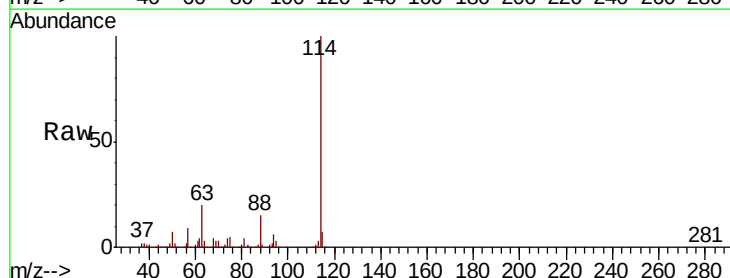
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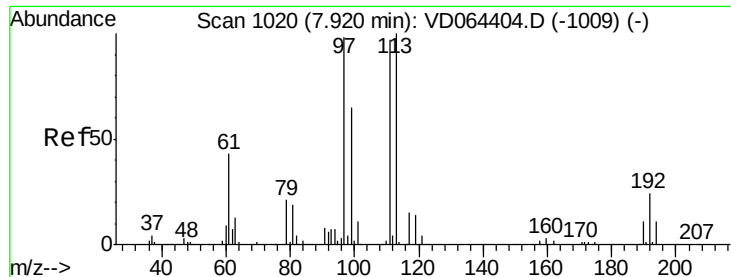
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064407.D
 Acq: 27 Nov 2019 21:10

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	683546		
63	19.8	0.0	40.0	
88	15.4	0.0	29.2	





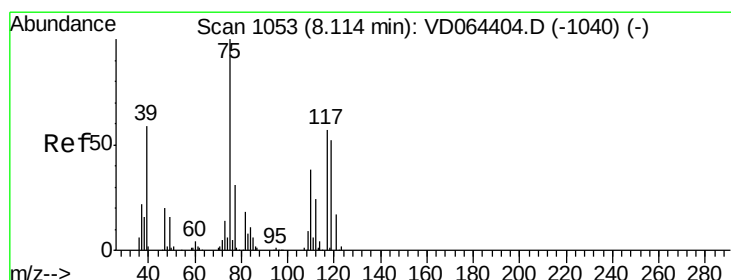
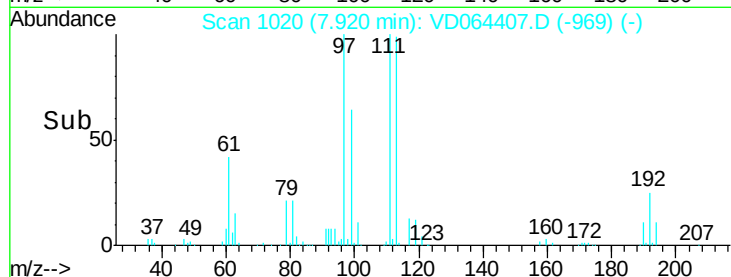
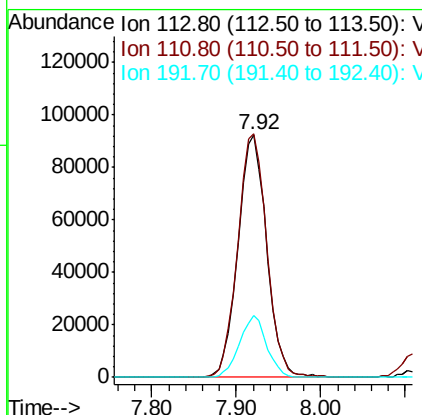
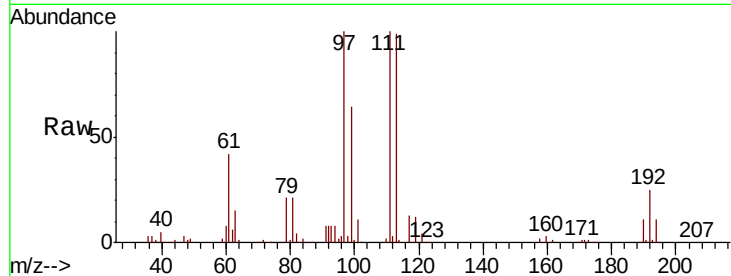
#35
 Dibromofluoromethane
 Concen: 50.415 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064407.D
 Acq: 27 Nov 2019 21:10

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD112719

Tot Ion	Ratio	Resp	Lower	Upper
113	100	217122		
111	101.8	79.4	119.2	
192	24.3	18.6	28.0	

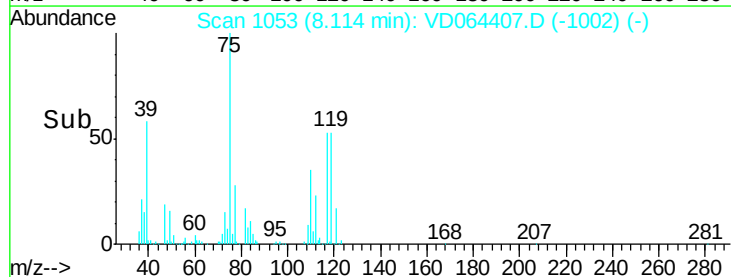
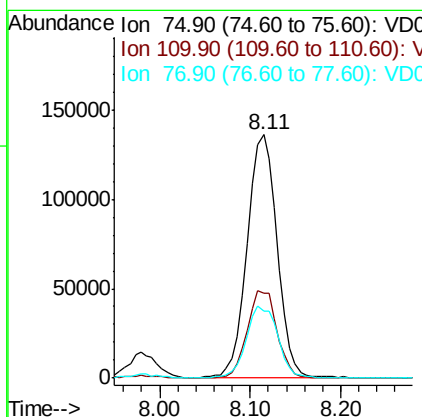
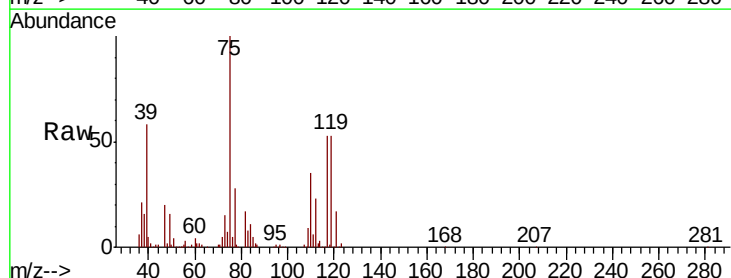
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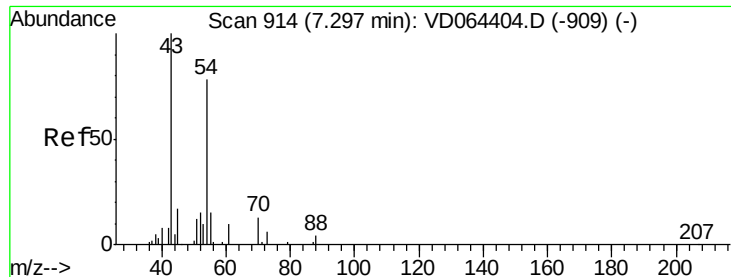
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#36
 1,1-Dichloropropene
 Concen: 48.326 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064407.D
 Acq: 27 Nov 2019 21:10

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	312448		
110	36.0	18.6	55.8	
77	31.3	25.0	37.4	





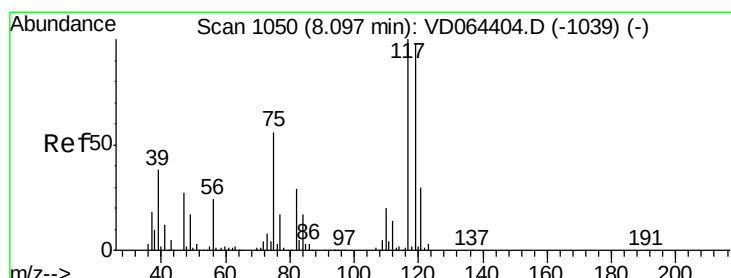
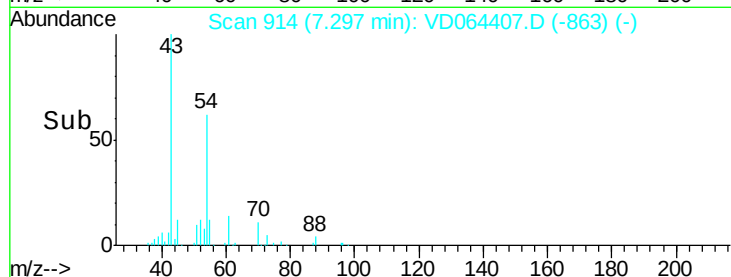
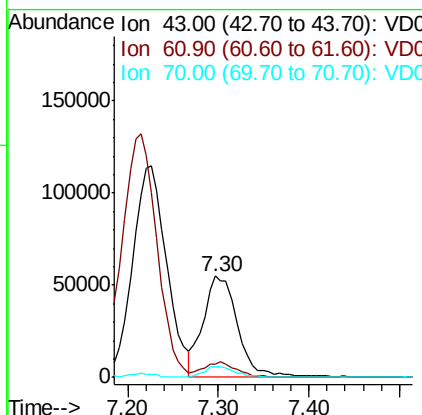
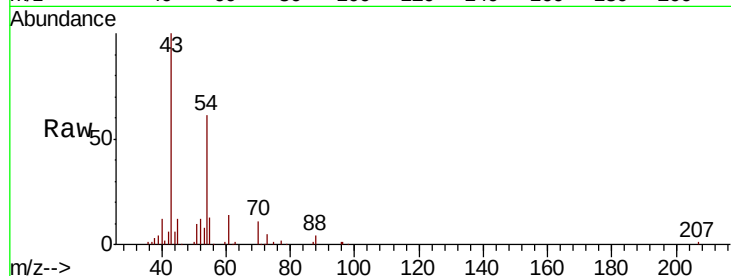
#37
Ethyl Acetate
Concen: 51.663 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD064407.D
Acq: 27 Nov 2019 21:10

Instrument :
MSVOA_D
ClientSampleId :
ICVVD112719

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	10.9	16.3
70	10.7	8.3	12.5

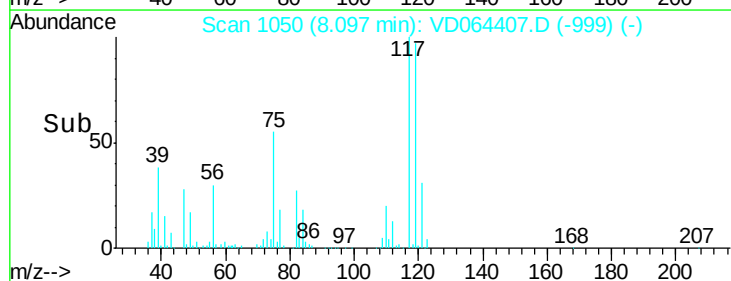
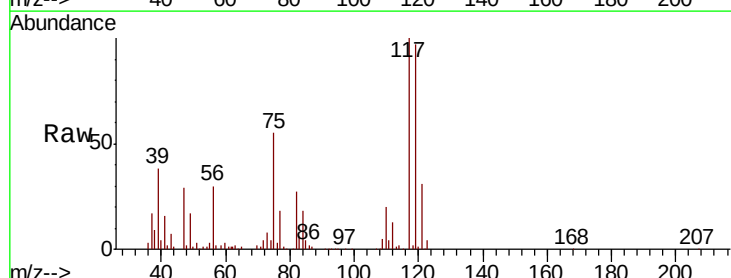
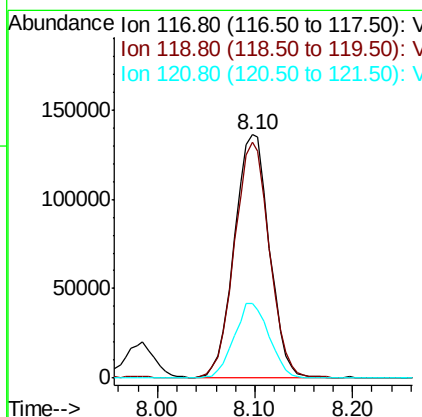
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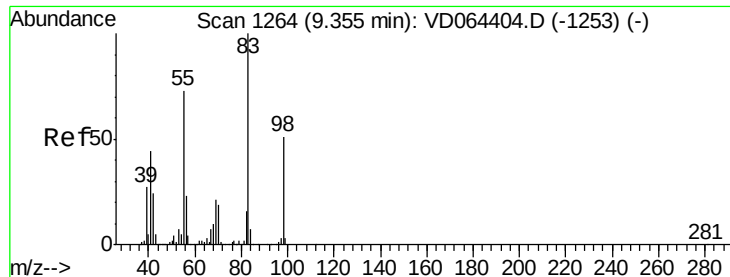
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#38
Carbon Tetrachloride
Concen: 49.634 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064407.D
Acq: 27 Nov 2019 21:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.0	78.8	118.2
121	30.7	24.2	36.2





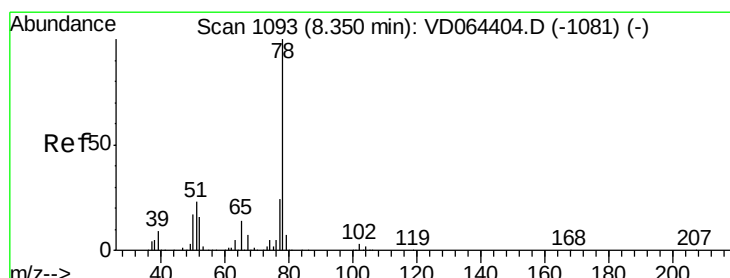
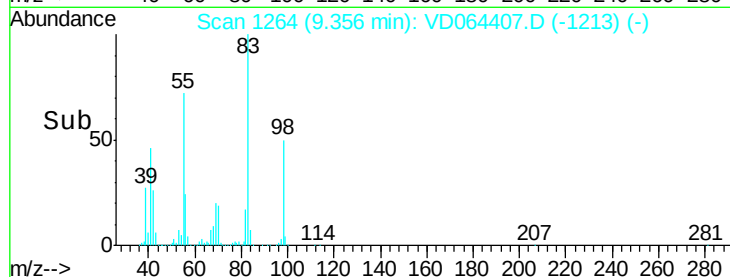
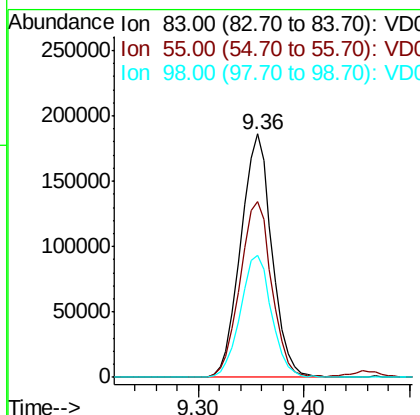
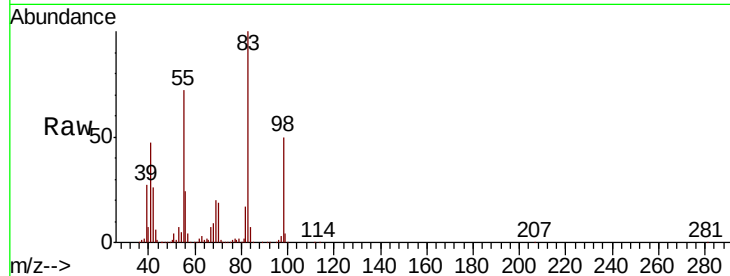
#39
Methylvlcyclohexane
Concen: 47.513 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064407.D
Acq: 27 Nov 2019 21:10

Instrument :
MSVOA_D
ClientSampleId :
ICVVD112719

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.0	58.6	87.8
98	49.9	40.9	61.3

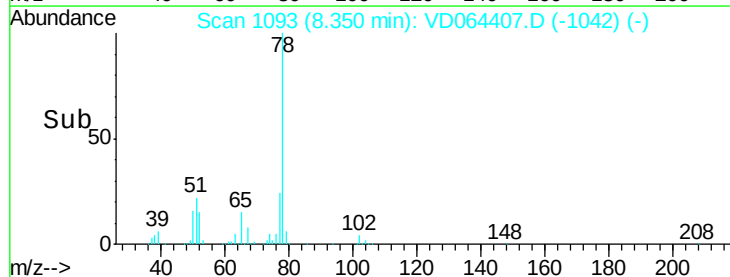
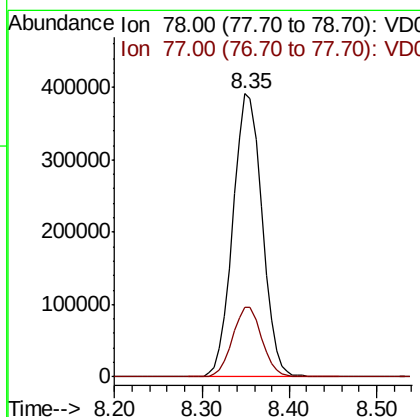
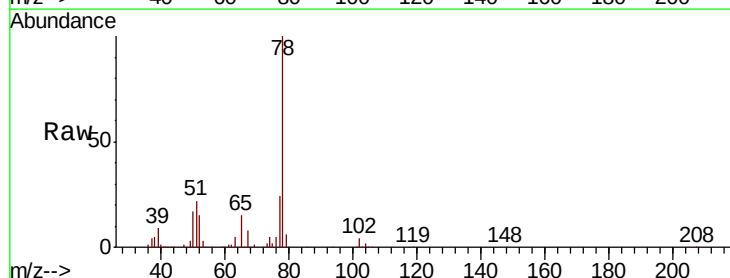
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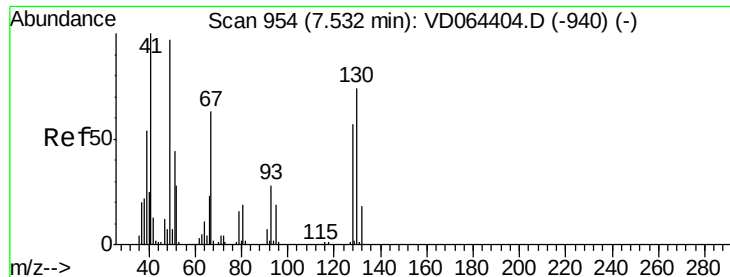
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#40
Benzene
Concen: 49.360 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD064407.D
Acq: 27 Nov 2019 21:10

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.6	29.4





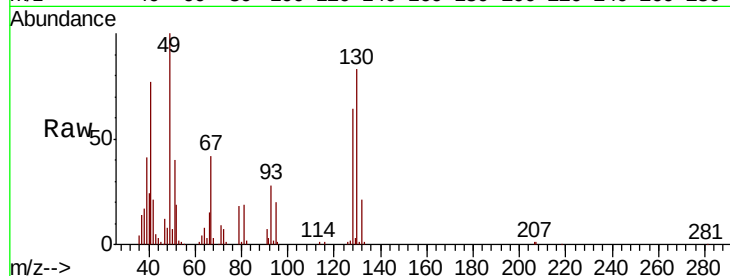
#41
Methacrylonitrile
Concen: 50.864 ug/l
RT: 7.54 min Scan# 955
Delta R.T. 0.01 min
Lab File: VD064407.D
Acq: 27 Nov 2019 21:10

Instrument :
MSVOA_D
ClientSampleId :
ICVVD112719

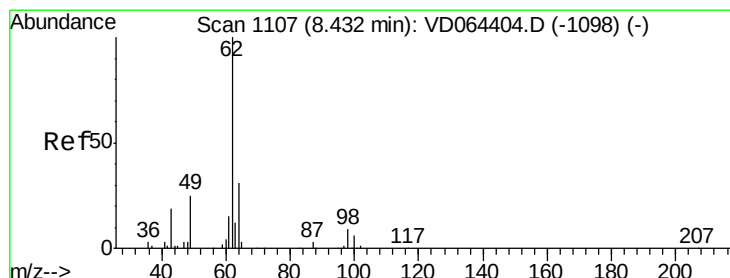
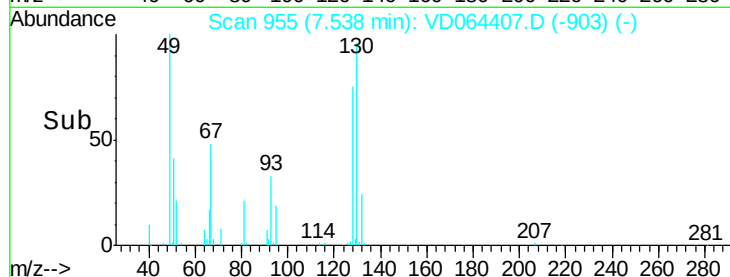
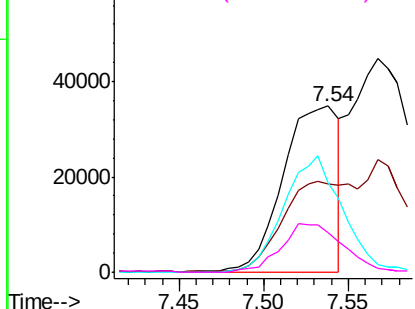
Tot Ion:	41	Resp:	80024
Ion	Ratio	Lower	Upper
41	100		
39	71.3	44.6	67.0#
67	73.7	50.9	76.3
52	32.9	22.5	33.7

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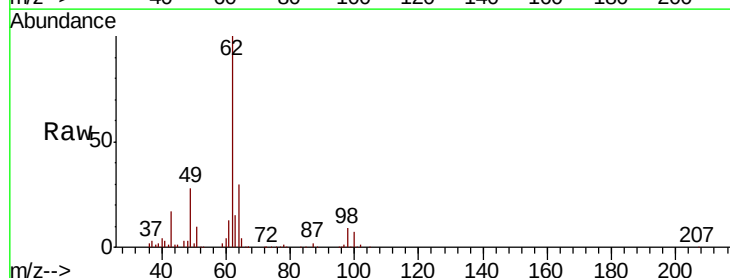


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

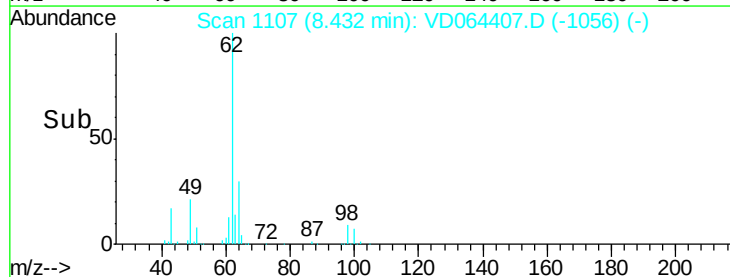
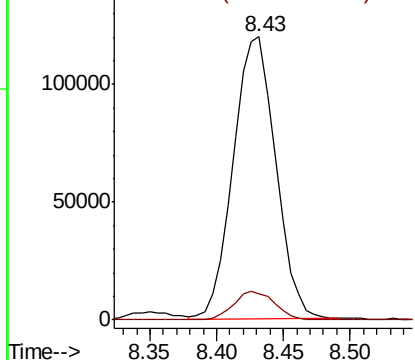


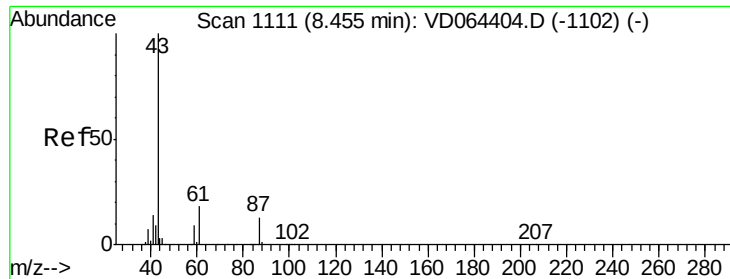
#42
1,2-Dichloroethane
Concen: 50.586 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VD064407.D
Acq: 27 Nov 2019 21:10

Tgt Ion:	62	Resp:	264906
Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	20.6



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 97.90 (97.60 to 98.60): VDC





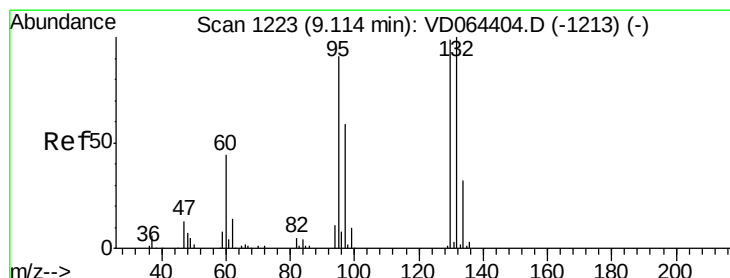
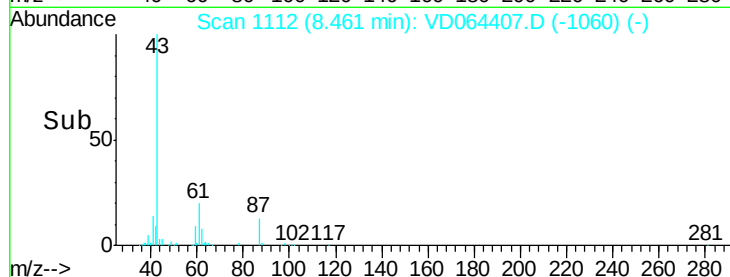
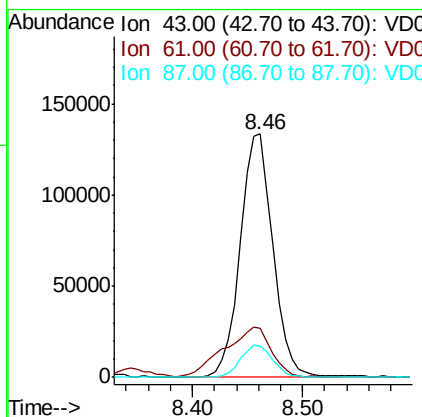
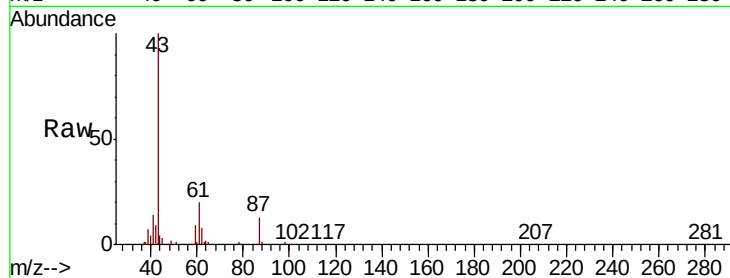
#43
Isopropyl Acetate
Concen: 51.395 ug/l
RT: 8.46 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD064407.D
Acq: 27 Nov 2019 21:10

Instrument :
MSVOA_D
ClientSampleId :
ICVVD112719

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.8	24.0	36.0
87	13.2	10.6	15.8

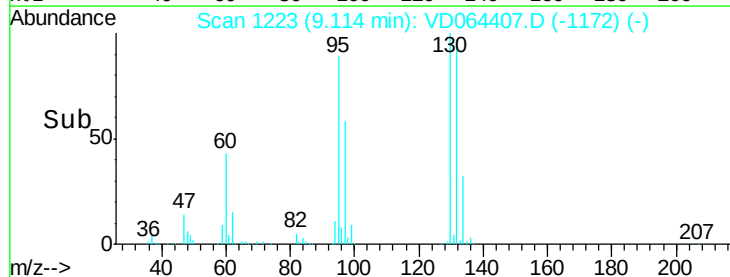
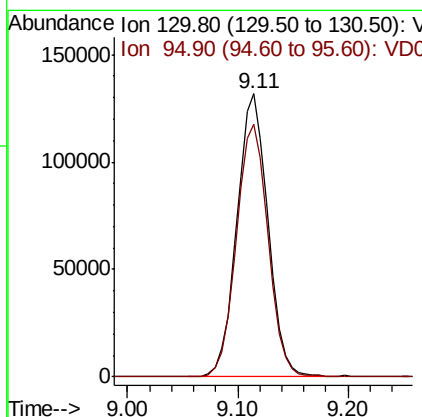
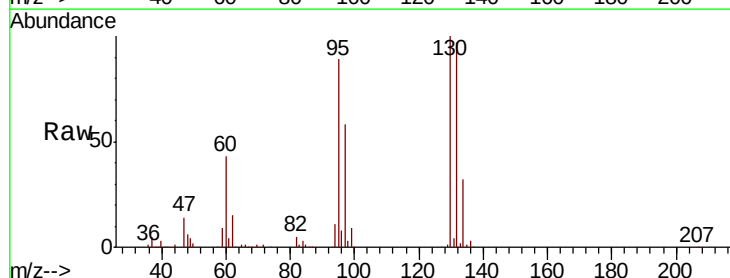
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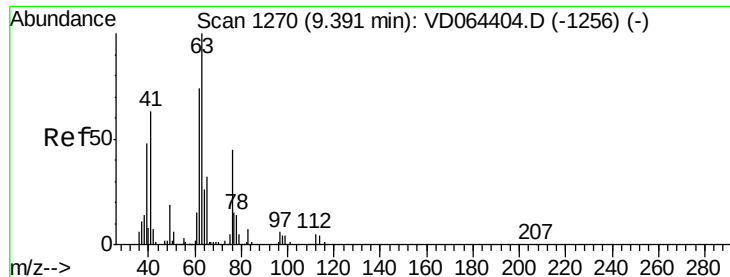
apatel
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#44
Trichloroethene
Concen: 48.289 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD064407.D
Acq: 27 Nov 2019 21:10

Tgt Ion	Ratio	Lower	Upper
130	100		
95	89.2	0.0	184.6





#45

1,2-Dichloropropane

Concen: 50.094 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064407.D

Acq: 27 Nov 2019 21:10

Instrument :

MSVOA_D

ClientSampleId :

ICVVD112719

Tot Ion: 63 Resp: 215132

Ion Ratio Lower Upper

63 100

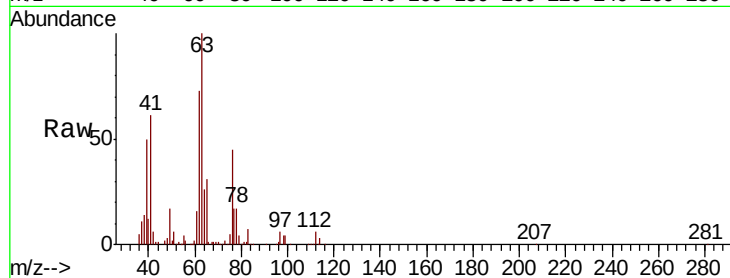
65 31.3 25.4 38.0

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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.39

120000

100000

80000

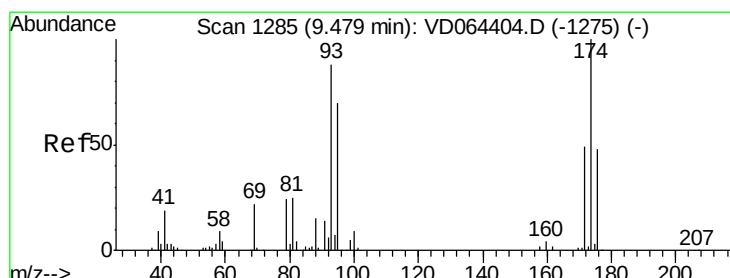
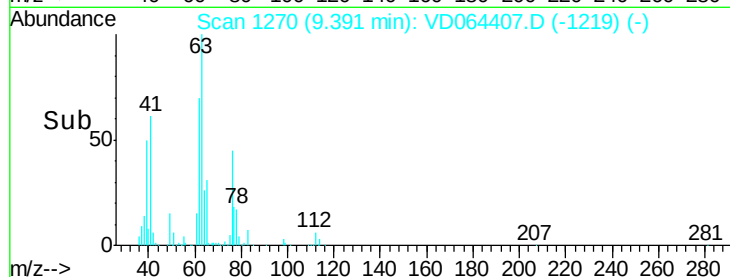
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 50.537 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064407.D

Acq: 27 Nov 2019 21:10

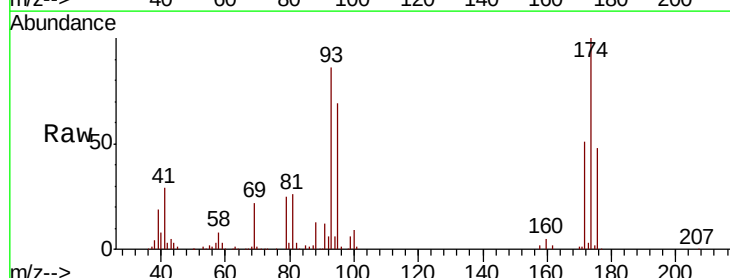
Tgt Ion: 93 Resp: 122495

Ion Ratio Lower Upper

93 100

95 83.0 66.7 100.1

174 117.9 92.3 138.5



Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

100000

80000

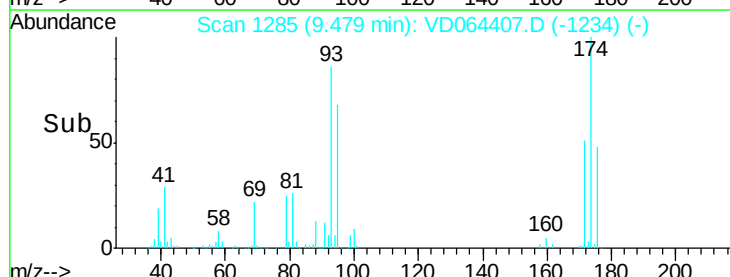
60000

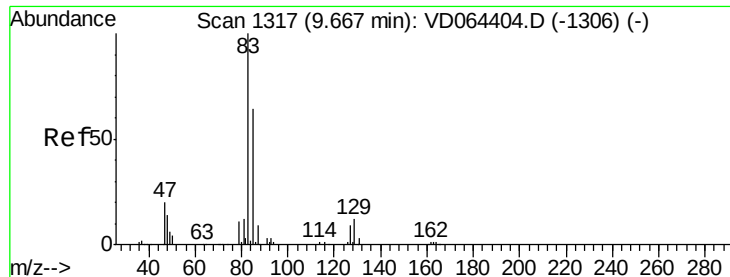
40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 50.872 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064407.D

Acq: 27 Nov 2019 21:10

Instrument :

MSVOA_D

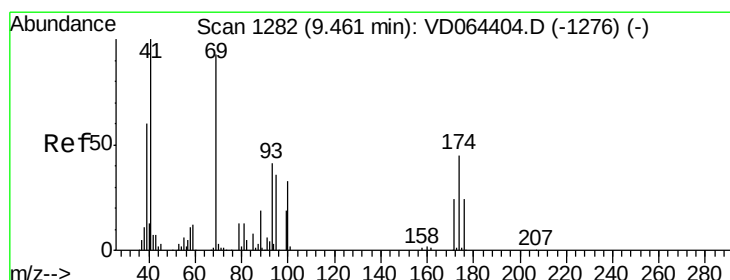
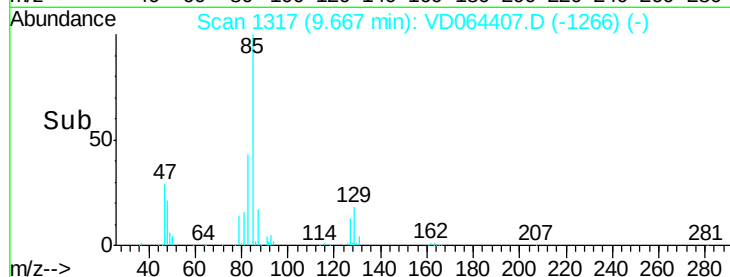
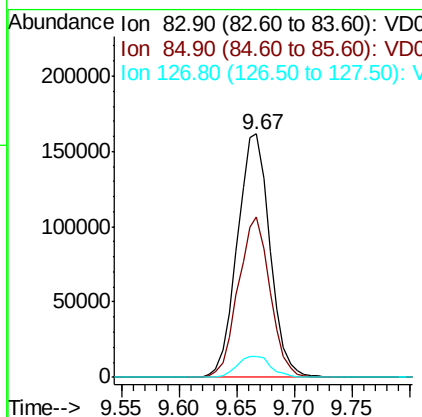
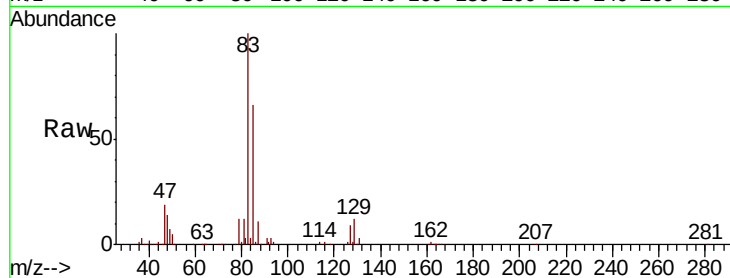
ClientSampleId :

ICVVD112719

Tot Ion:	83	Resp:	316832
Ion	Ratio	Lower	Upper
83	100		
85	66.1	51.1	76.7
127	8.8	7.4	11.0

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#48

Methyl methacrylate

Concen: 52.724 ug/l

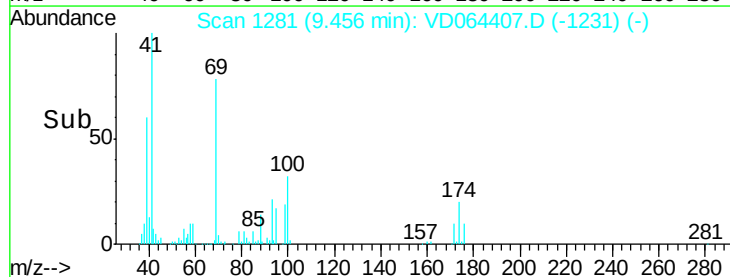
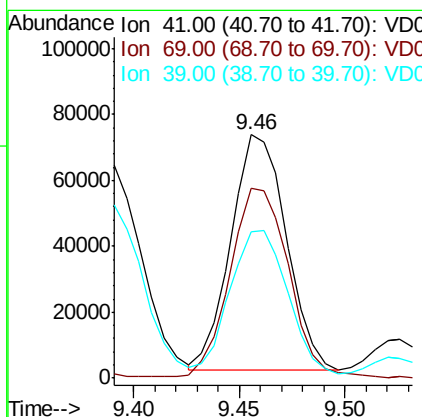
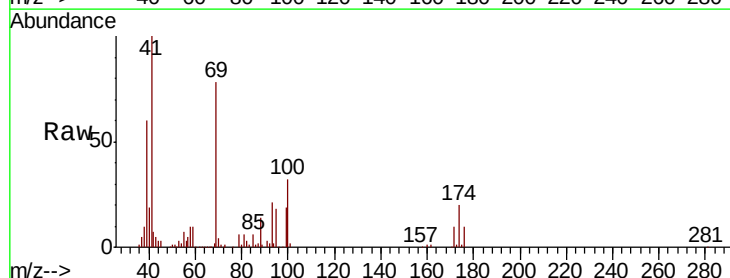
RT: 9.46 min Scan# 1281

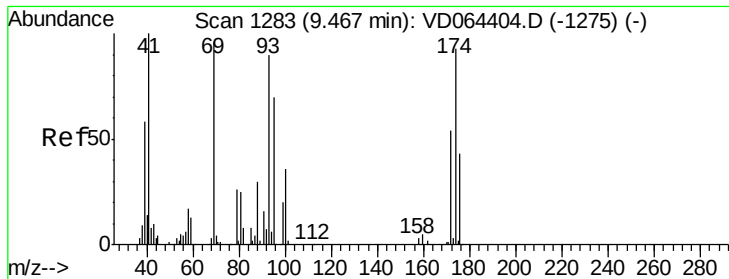
Delta R.T. -0.01 min

Lab File: VD064407.D

Acq: 27 Nov 2019 21:10

Tgt Ion:	41	Resp:	130139
Ion	Ratio	Lower	Upper
41	100		
69	85.6	72.0	108.0
39	62.8	55.2	82.8





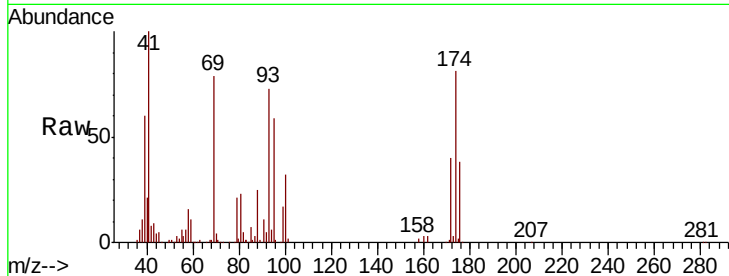
#49
1,4-Dioxane
Concen: 1034.341 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD064407.D
Acq: 27 Nov 2019 21:10

Instrument :
MSVOA_D
ClientSampleId :
ICVVD112719

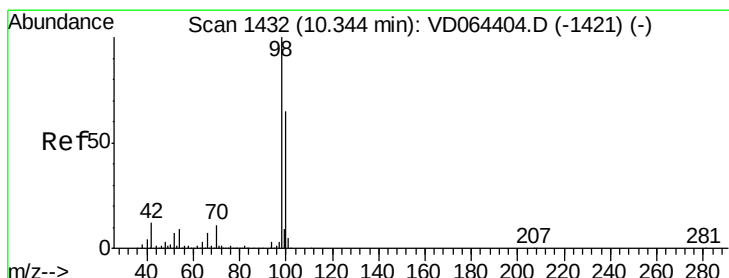
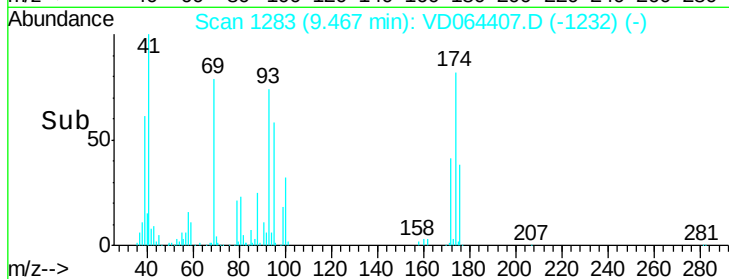
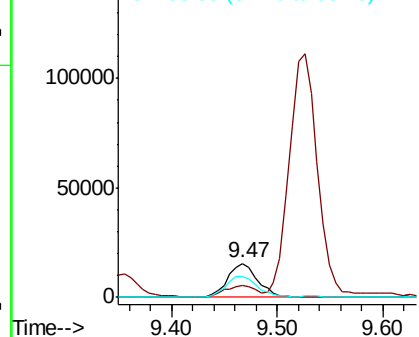
Tot Ion	Ratio	Lower	Upper
88	100		
43	33.2	26.7	40.1
58	66.8	52.3	78.5

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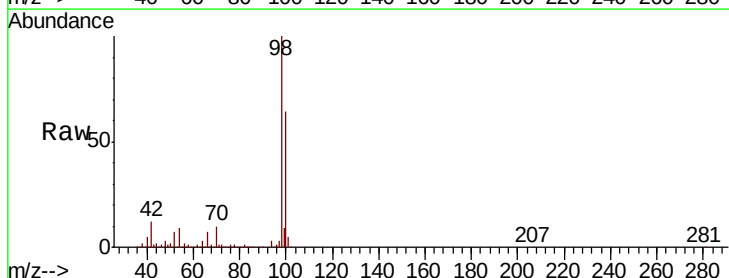


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

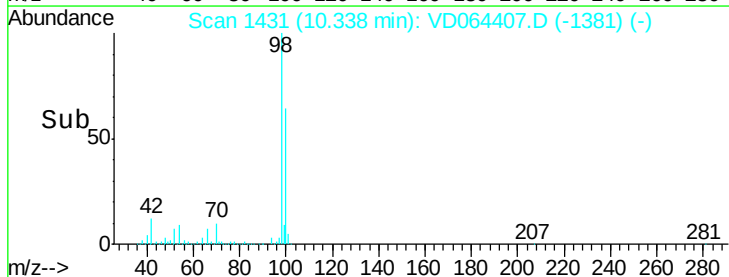
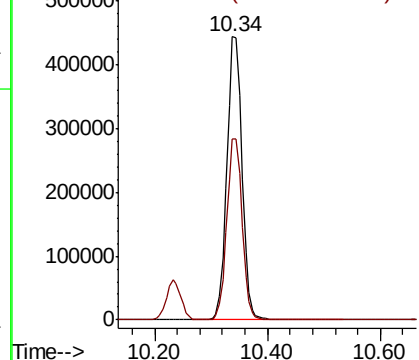


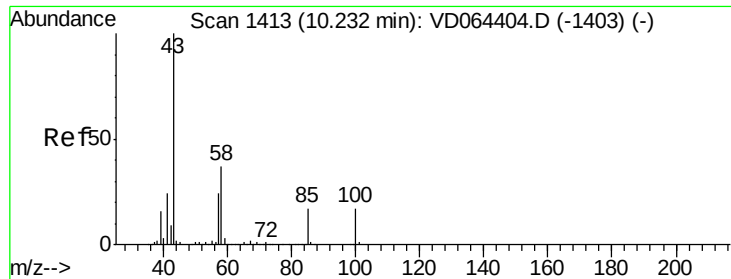
#50
Toluene-d8
Concen: 50.829 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VD064407.D
Acq: 27 Nov 2019 21:10

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.6	79.0



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 258.642 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064407.D

Acq: 27 Nov 2019 21:10

Instrument :

MSVOA_D

ClientSampleId :

ICVVD112719

Tot Ion: 43 Resp: 690298

Ion Ratio Lower Upper

43 100

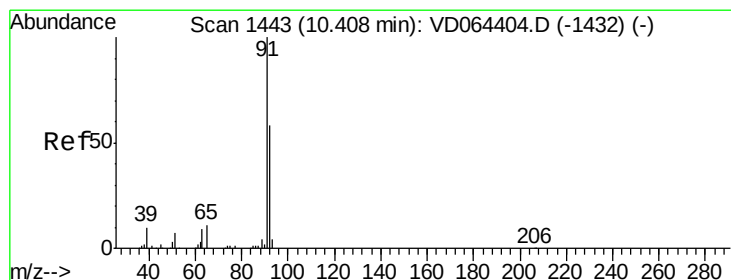
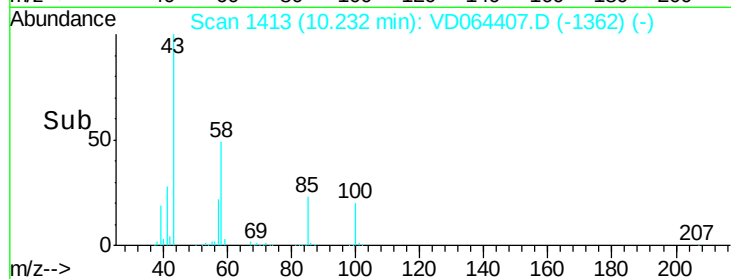
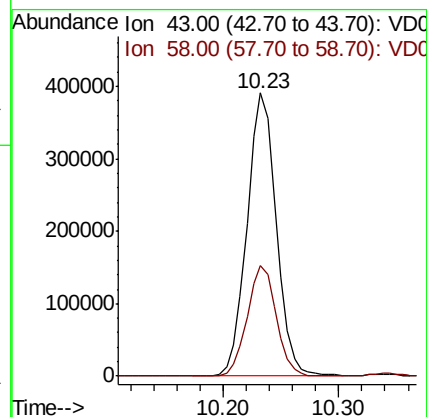
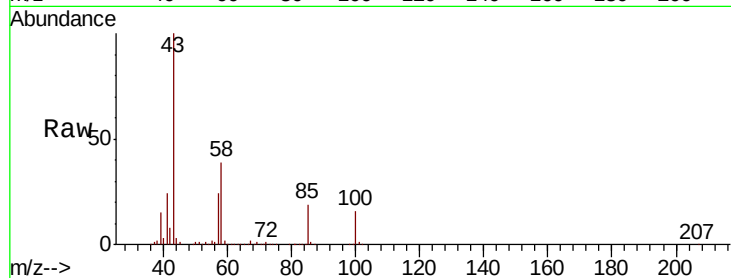
58 38.6 30.6 46.0

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#52

Toluene

Concen: 49.145 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.01 min

Lab File: VD064407.D

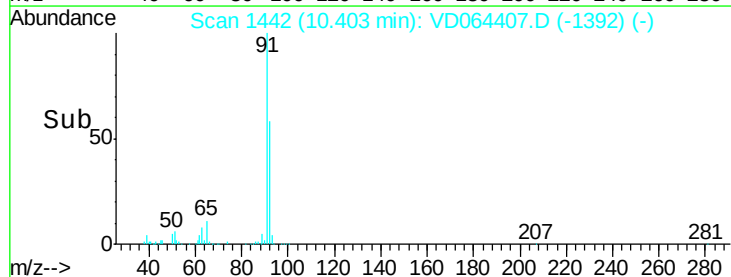
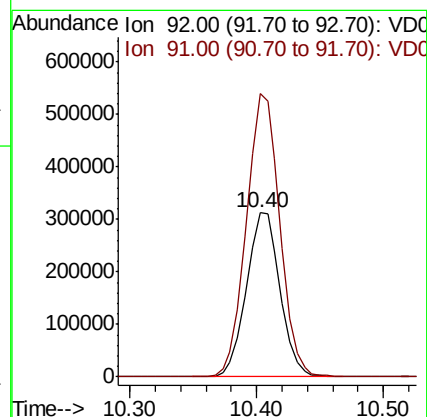
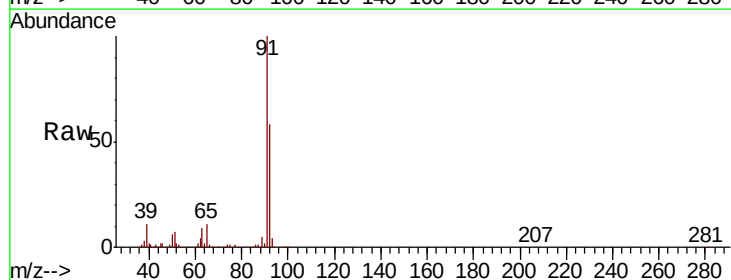
Acq: 27 Nov 2019 21:10

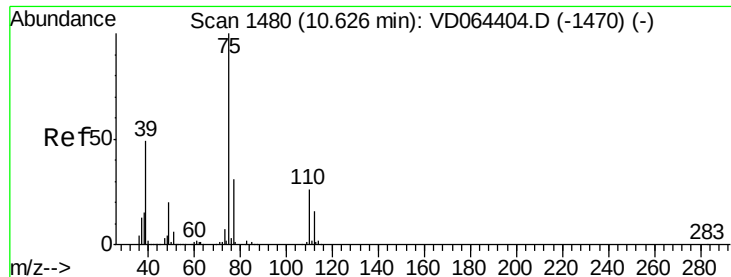
Tgt Ion: 92 Resp: 575138

Ion Ratio Lower Upper

92 100

91 172.3 137.8 206.6





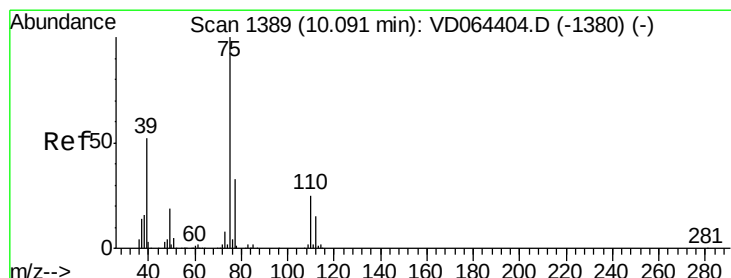
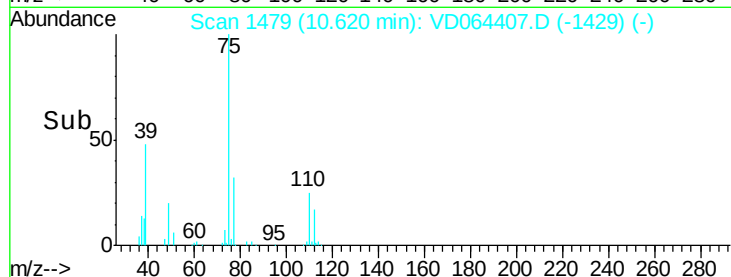
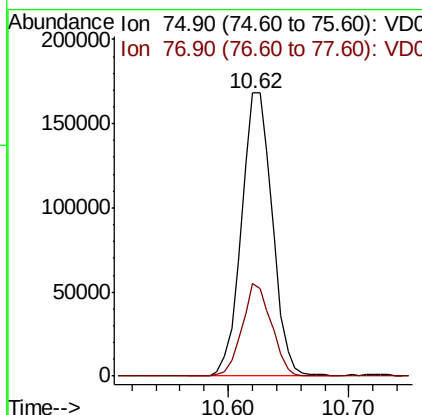
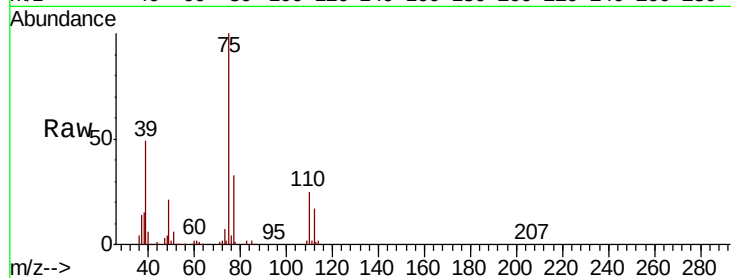
#53
t-1,3-Dichloropropene
Concen: 50.726 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. -0.01 min
Lab File: VD064407.D
Acq: 27 Nov 2019 21:10

Instrument :
MSVOA_D
ClientSampleId :
ICVVD112719

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.6	25.0	37.4

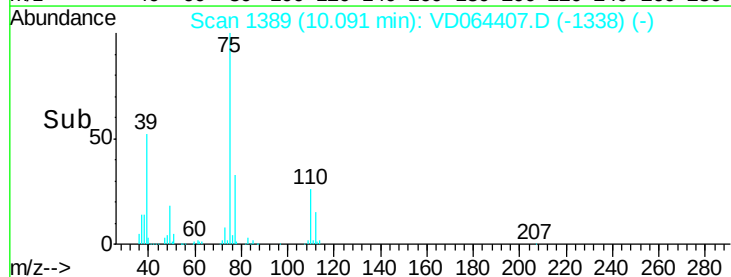
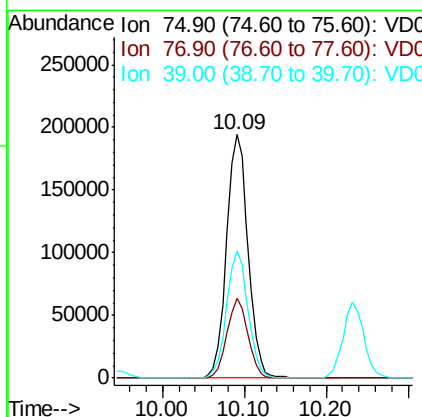
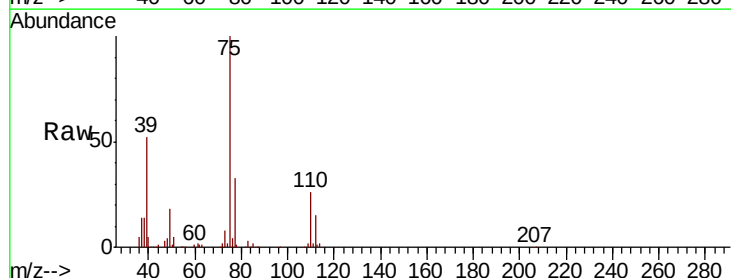
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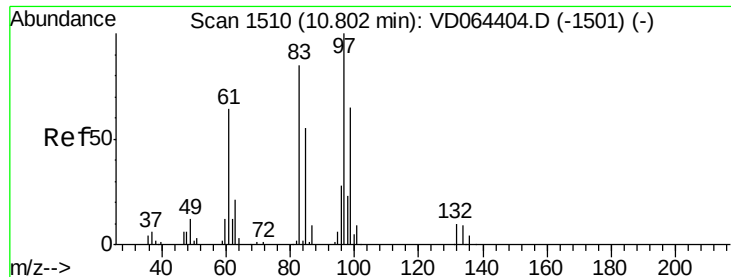
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#54
cis-1,3-Dichloropropene
Concen: 50.291 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD064407.D
Acq: 27 Nov 2019 21:10

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.9	26.1	39.1
39	52.0	41.5	62.3





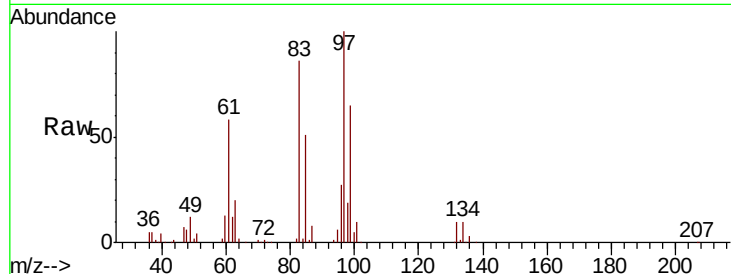
#55
 1,1,2-Trichloroethane
 Concen: 49.961 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064407.D
 Acq: 27 Nov 2019 21:10

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD112719

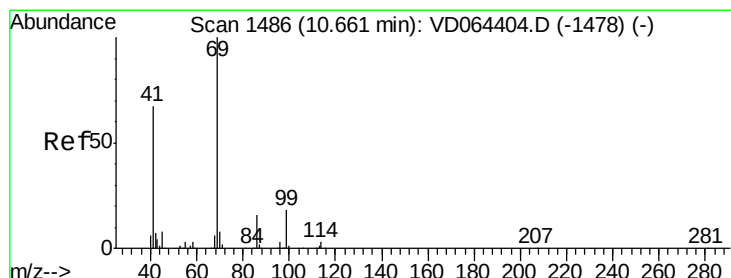
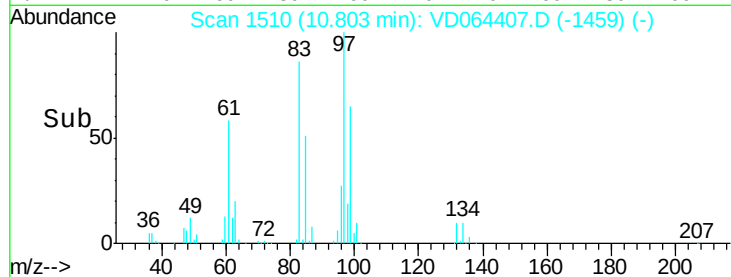
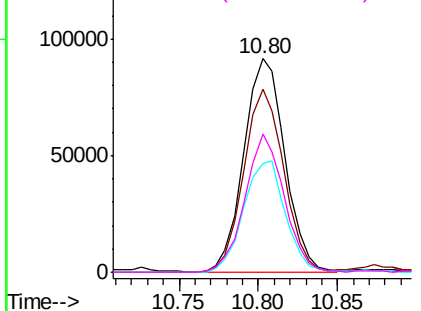
Tot Ion	Ratio	Resp	Lower	Upper
97	100	165819		
83	85.9	67.8	101.8	
85	50.6	43.7	65.5	
99	64.6	51.7	77.5	

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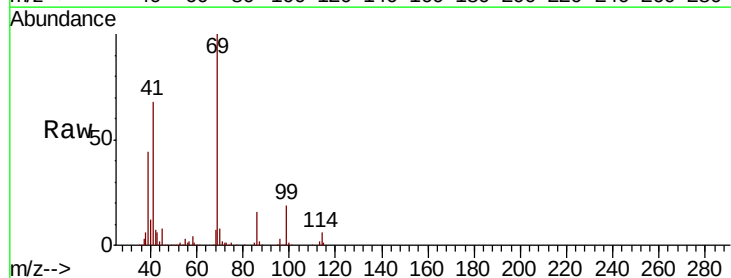


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

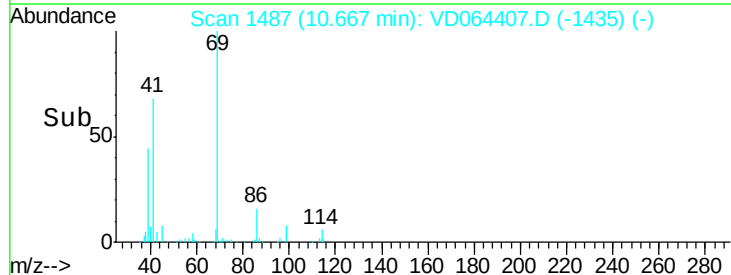
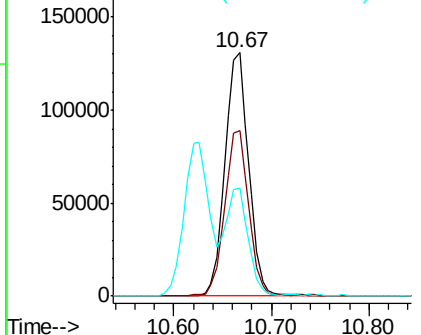


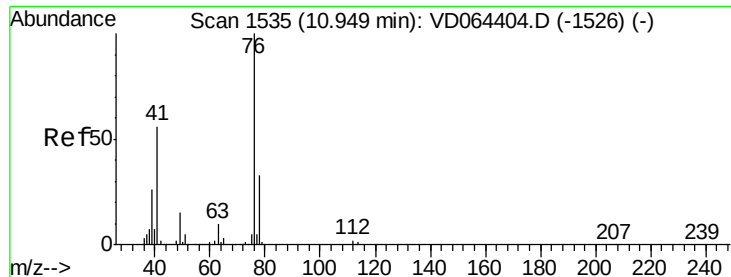
#56
 Ethyl methacrylate
 Concen: 52.028 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD064407.D
 Acq: 27 Nov 2019 21:10

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	220241		
41	67.6	55.0	82.4	
39	42.9	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





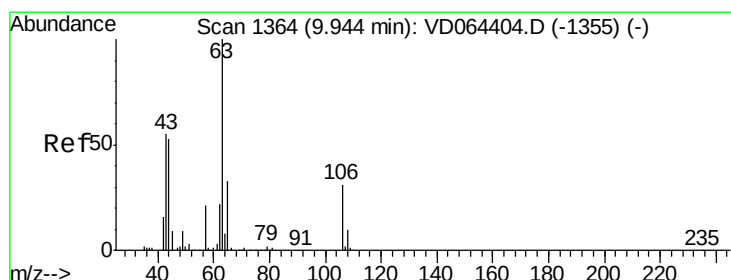
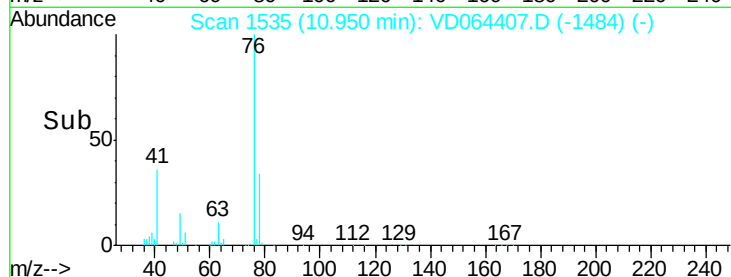
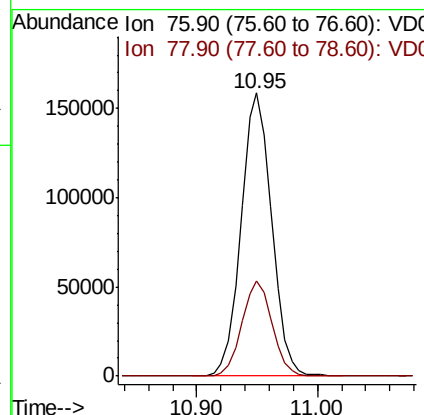
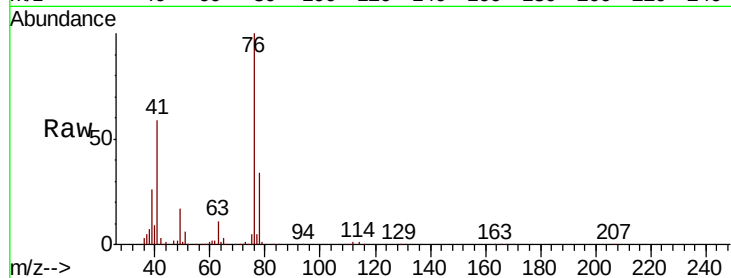
#57
 1,3-Dichloropropane
 Concen: 49.563 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064407.D
 Acq: 27 Nov 2019 21:10

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD112719

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.5	26.0	39.0

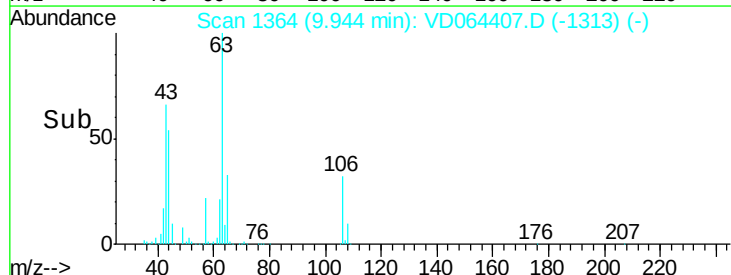
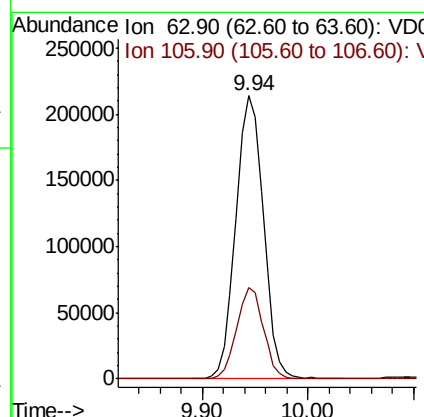
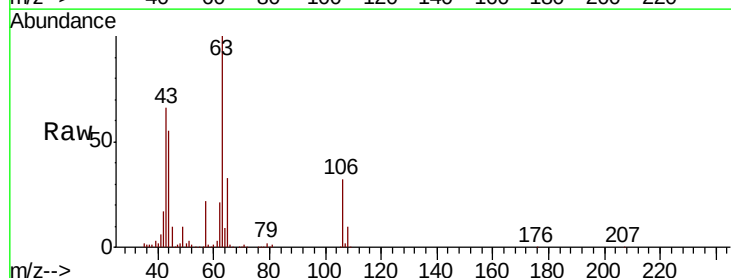
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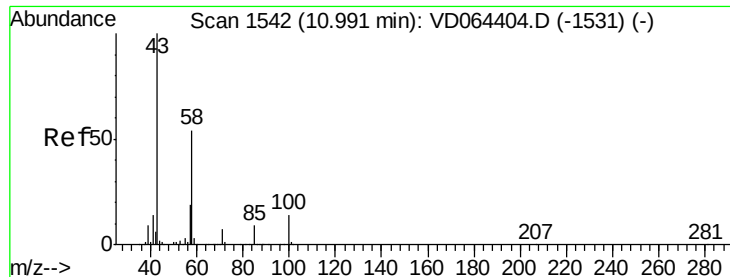
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#58
 2-Chloroethyl Vinyl ether
 Concen: 229.632 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064407.D
 Acq: 27 Nov 2019 21:10

Tgt Ion	Ratio	Lower	Upper
63	100		
106	31.1	24.2	36.4





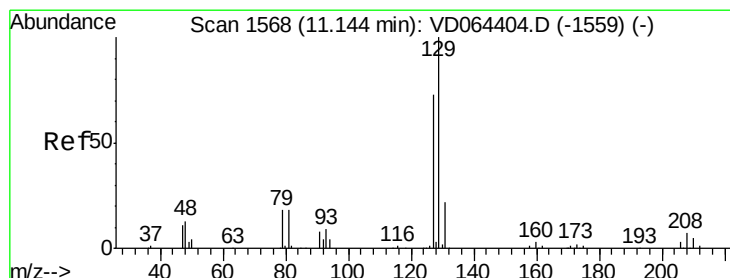
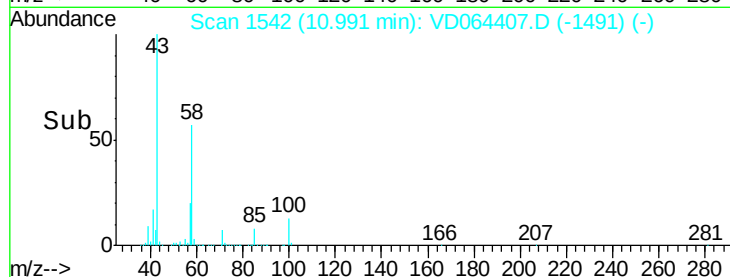
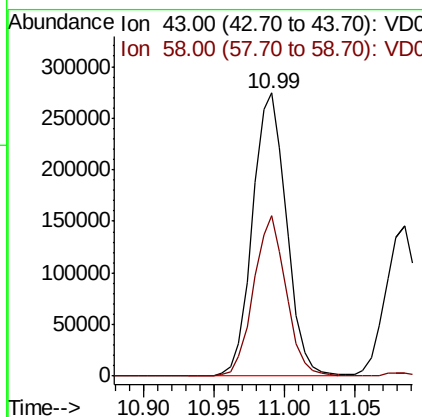
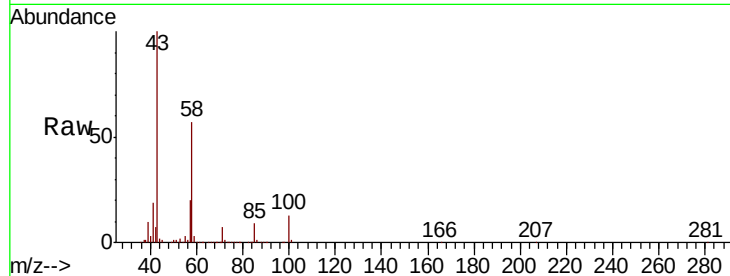
#59
2-Hexanone
Concen: 250.516 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064407.D
Acq: 27 Nov 2019 21:10

Instrument :
MSVOA_D
ClientSampleId :
ICVVD112719

Tot Ion: 43 Resp: 463942
Ion Ratio Lower Upper
43 100
58 54.2 26.3 78.8

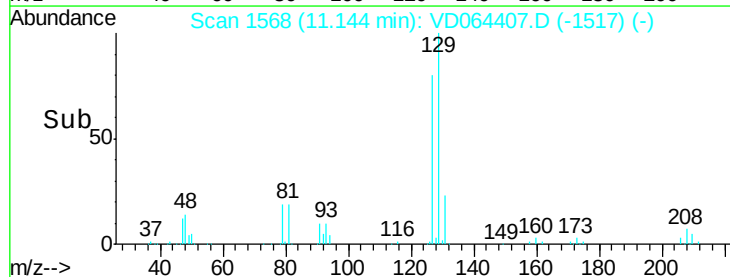
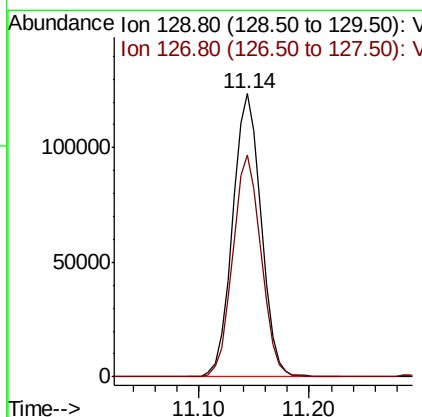
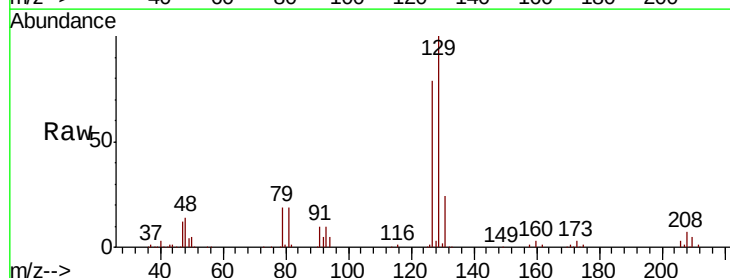
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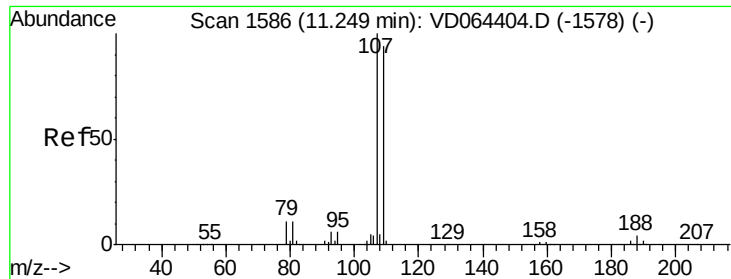
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#60
Dibromochloromethane
Concen: 49.889 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064407.D
Acq: 27 Nov 2019 21:10

Tgt Ion: 129 Resp: 224499
Ion Ratio Lower Upper
129 100
127 78.2 38.1 114.3





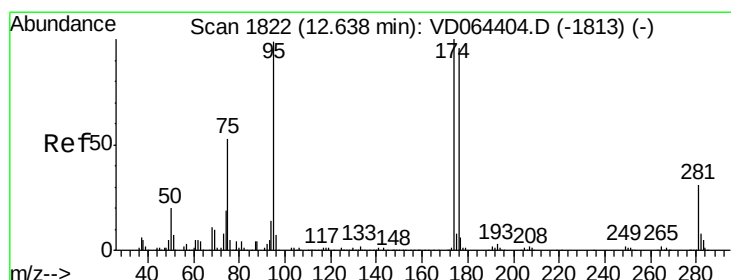
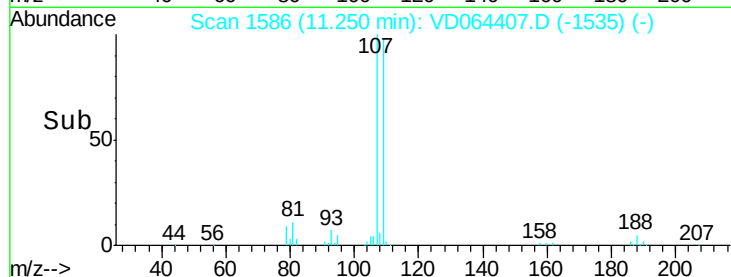
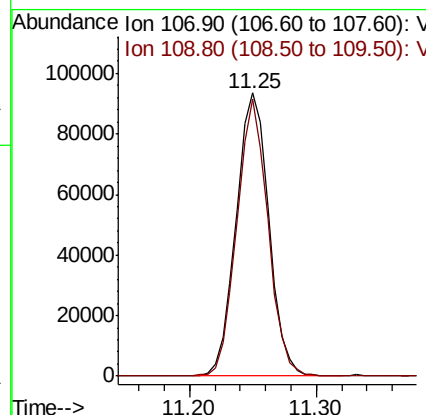
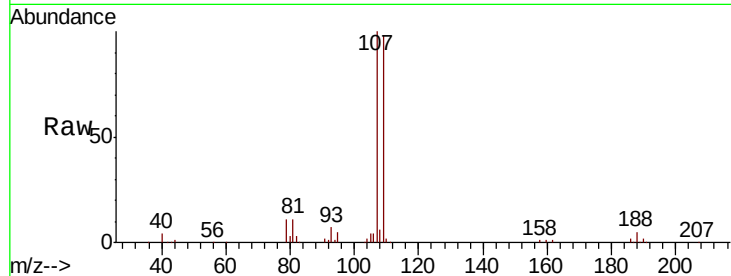
#61
 1,2-Dibromoethane
 Concen: 50.294 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064407.D
 Acq: 27 Nov 2019 21:10

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD112719

Tot Ion	Ratio	Resp	Lower	Upper
107	100	166665		
109	93.2	76.2	114.2	

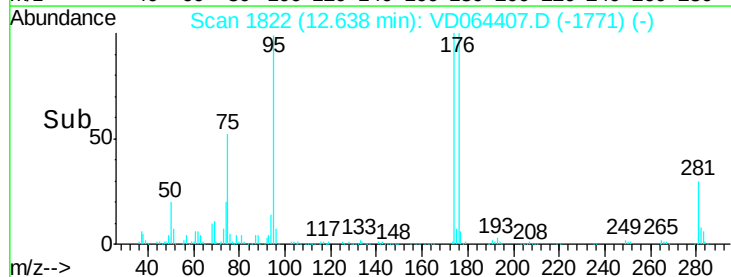
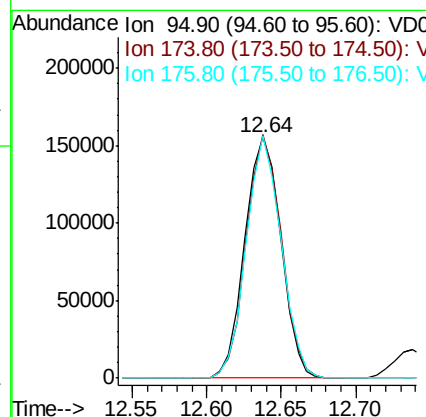
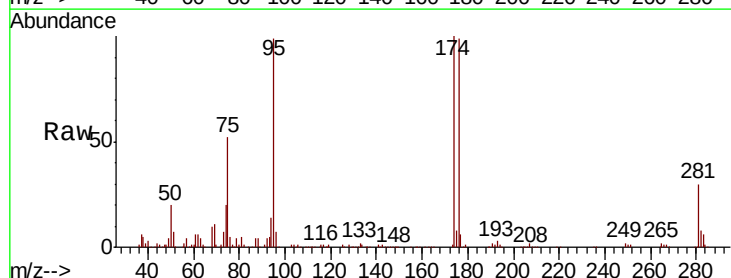
Manual Integrations
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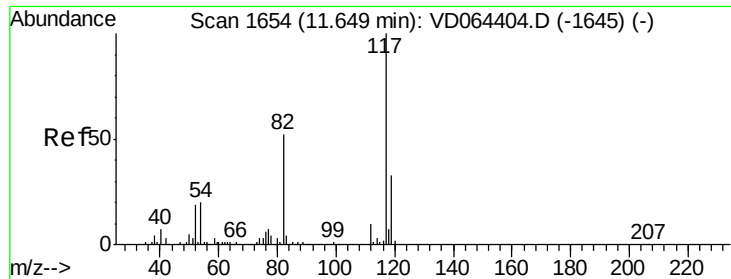
apatel
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#62
 4-Bromofluorobenzene
 Concen: 50.028 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064407.D
 Acq: 27 Nov 2019 21:10

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	260823		
174	98.4	0.0	197.2	
176	96.8	0.0	189.6	





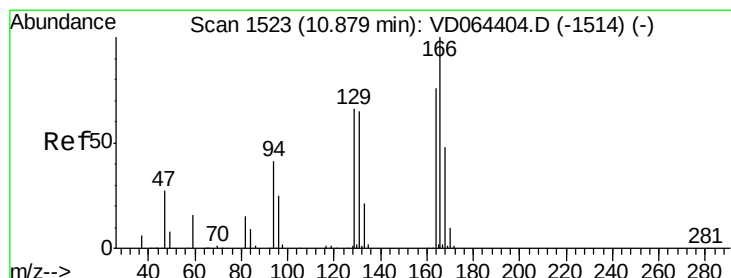
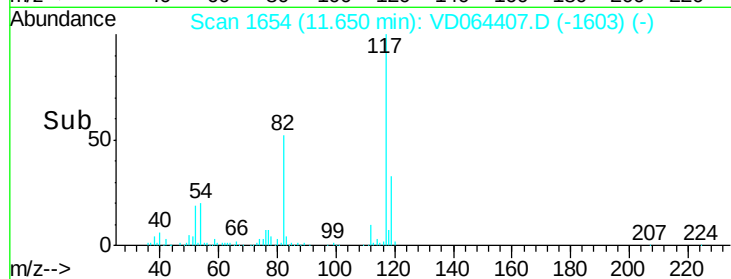
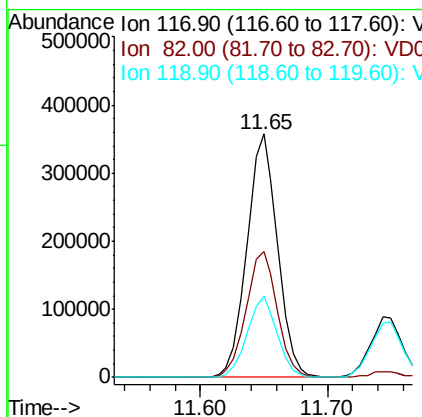
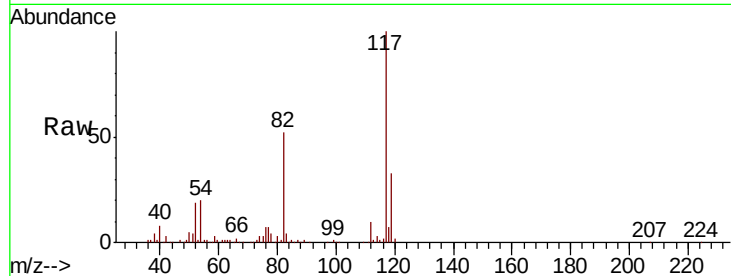
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064407.D
Acq: 27 Nov 2019 21:10

Instrument :
MSVOA_D
ClientSampleId :
ICVVD112719

Tot Ion	Ratio	Resp	Lower	Upper
117	100	600639		
82	51.9		41.4	62.2
119	33.2		26.2	39.2

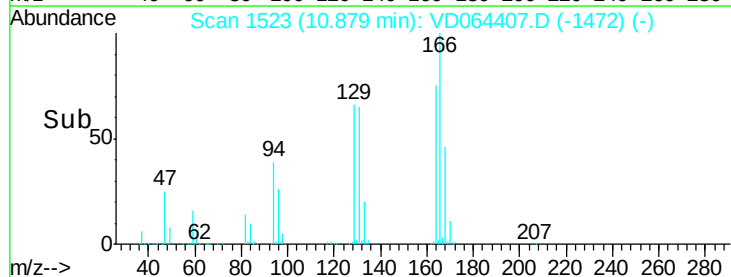
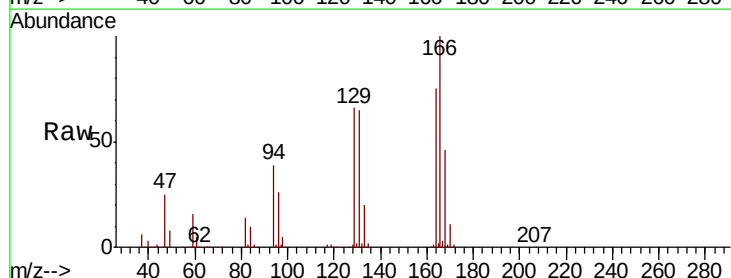
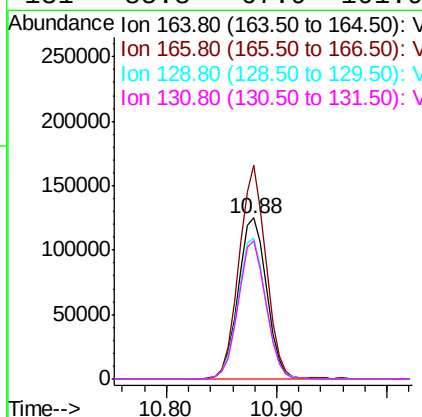
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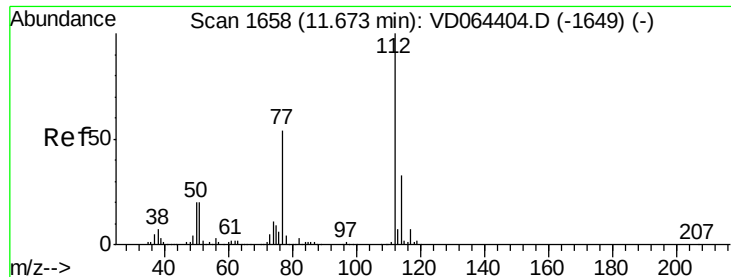
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#64
Tetrachloroethene
Concen: 49.499 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064407.D
Acq: 27 Nov 2019 21:10

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	226722		
166	132.7		104.8	157.2
129	87.2		68.7	103.1
131	85.8		67.9	101.9





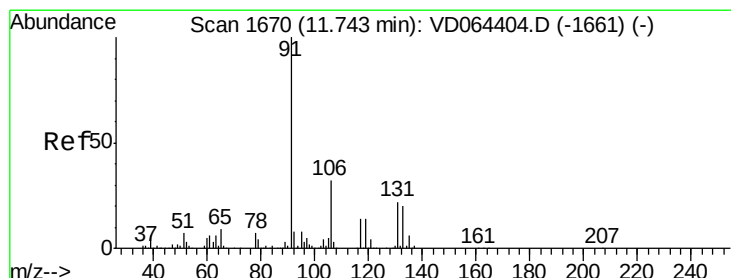
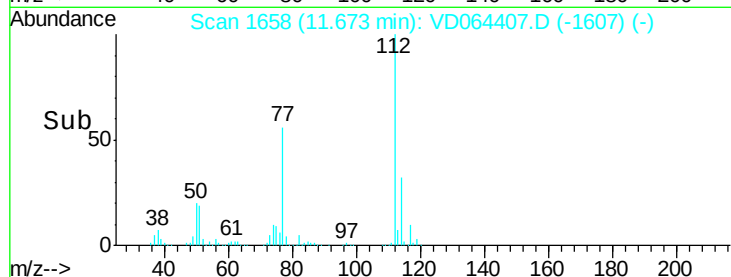
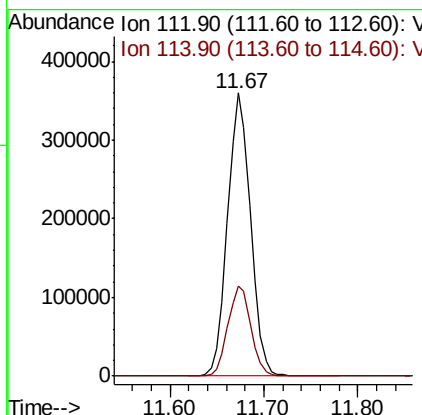
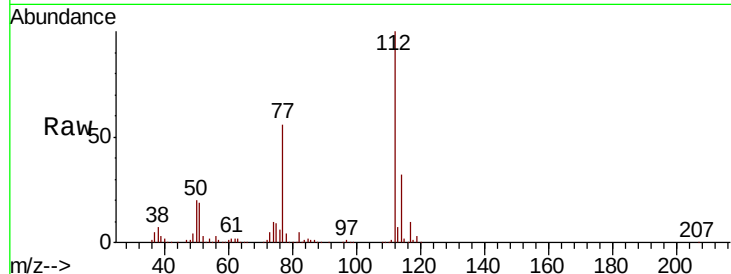
#65
Chlorobenzene
Concen: 48.787 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064407.D
Acq: 27 Nov 2019 21:10

Instrument :
MSVOA_D
ClientSampleId :
ICVVD112719

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.7	26.5	39.7

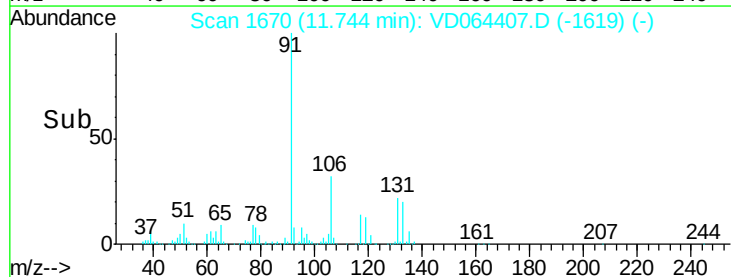
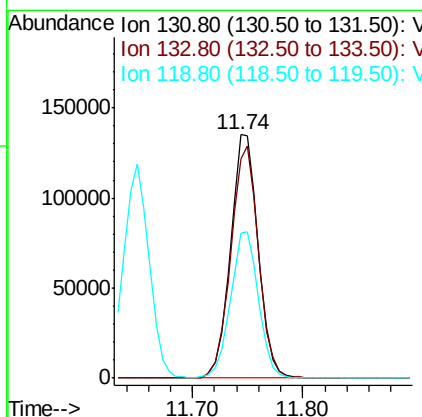
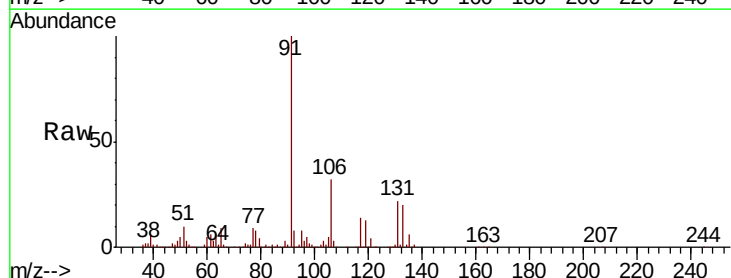
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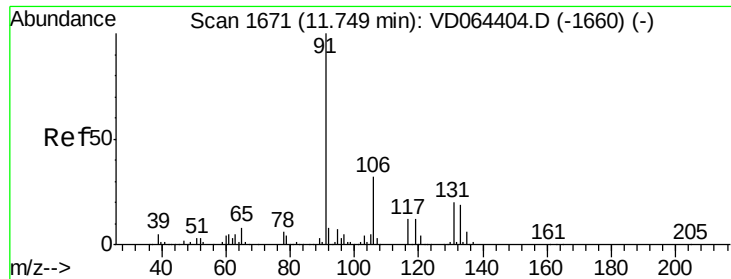
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.132 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD064407.D
Acq: 27 Nov 2019 21:10

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.2	48.3	144.9
119	60.8	31.9	95.9





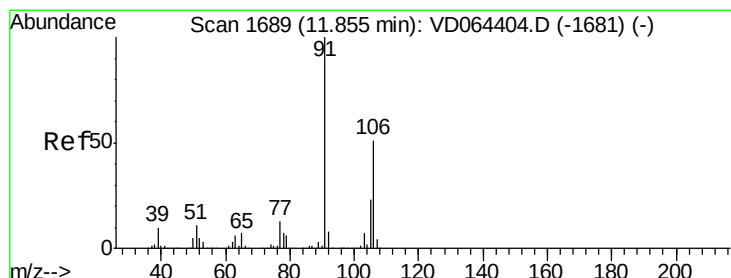
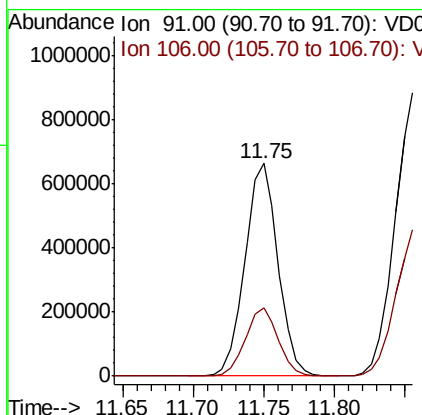
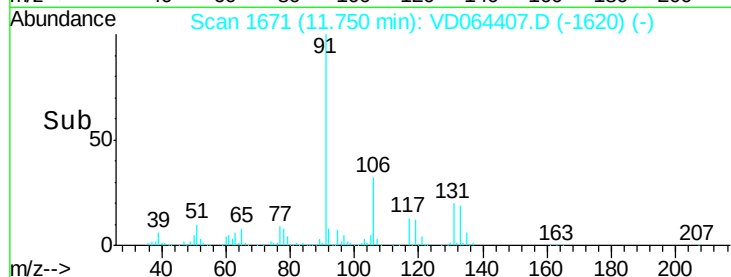
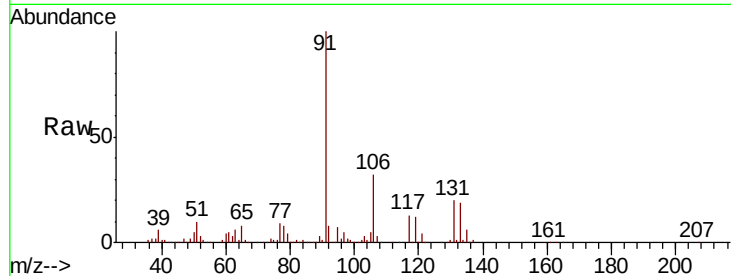
#67
Ethyl Benzene
Concen: 48.887 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064407.D
Acq: 27 Nov 2019 21:10

Instrument :
MSVOA_D
ClientSampleId :
ICVVD112719

Tot Ion: 91 Resp: 1089644
Ion Ratio Lower Upper
91 100
106 32.2 25.8 38.8

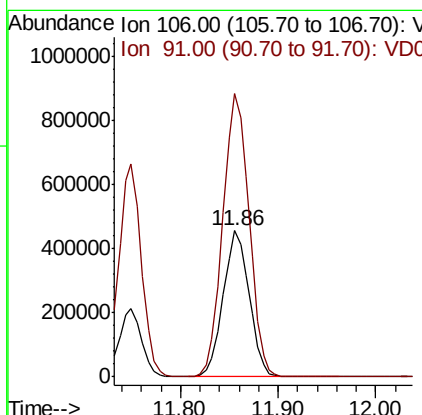
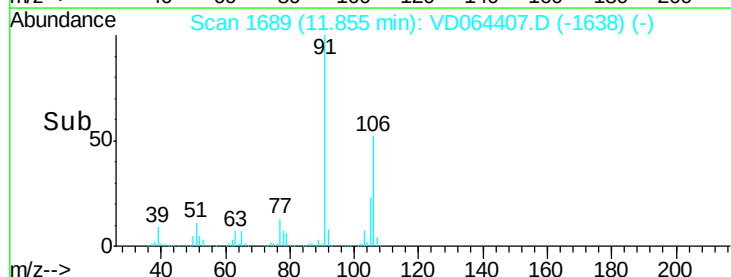
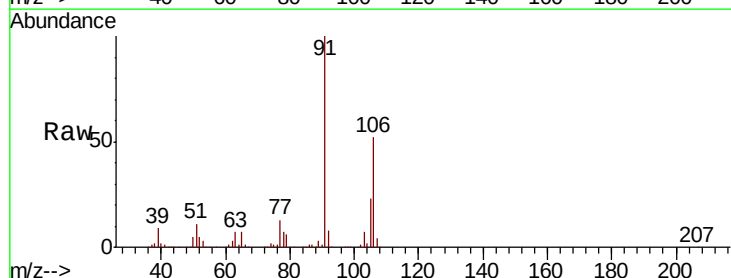
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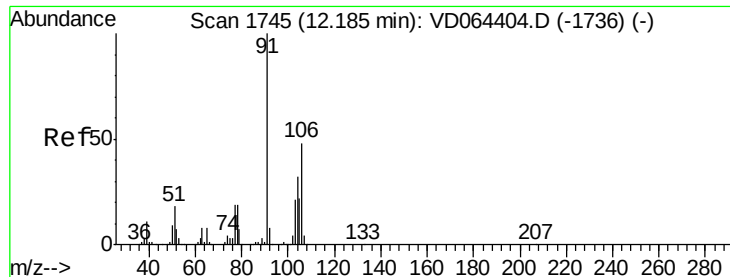
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#68
m/p-Xylenes
Concen: 99.353 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD064407.D
Acq: 27 Nov 2019 21:10

Tgt Ion: 106 Resp: 844360
Ion Ratio Lower Upper
106 100
91 196.4 157.4 236.2





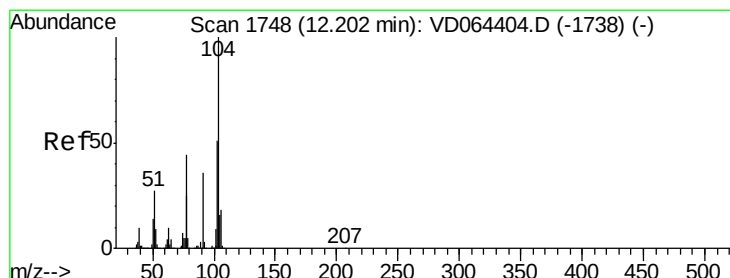
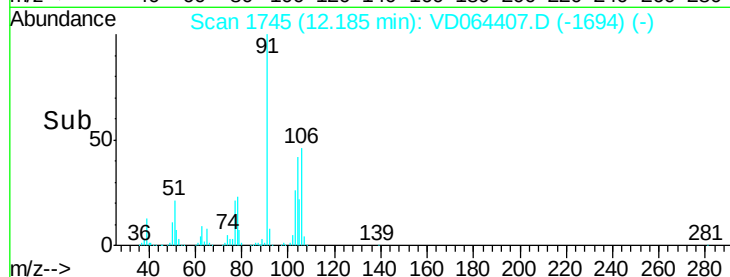
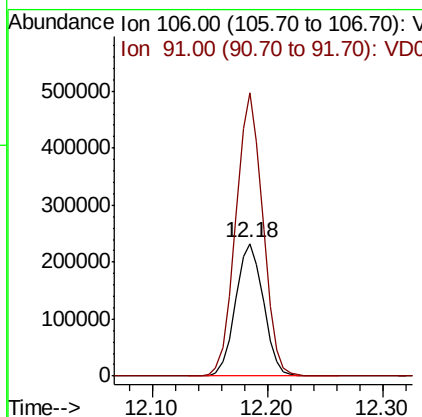
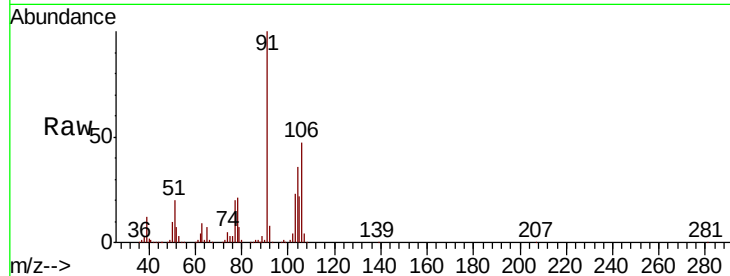
#69
o-Xylene
Concen: 49.472 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064407.D
Acq: 27 Nov 2019 21:10

Instrument :
MSVOA_D
ClientSampleId :
ICVVD112719

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	207.2	103.8	311.4	

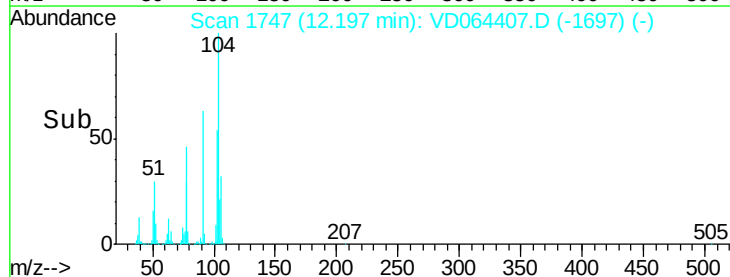
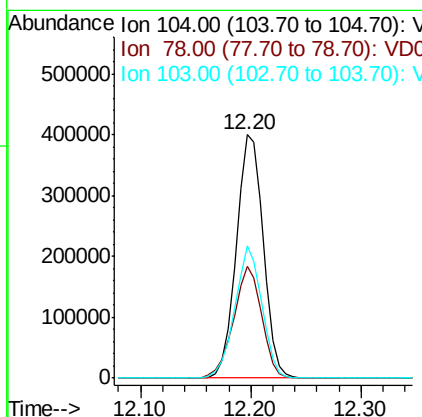
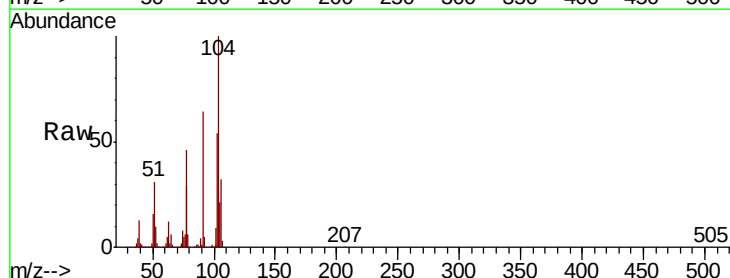
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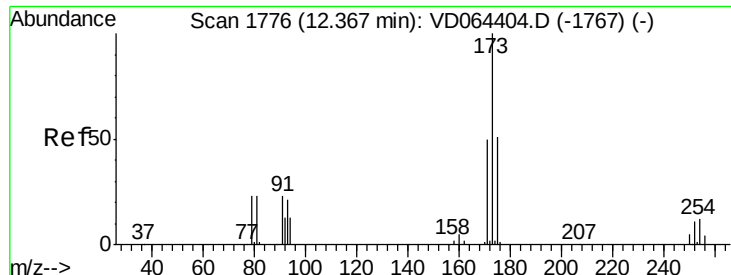
apatel
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#70
Styrene
Concen: 50.269 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD064407.D
Acq: 27 Nov 2019 21:10

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	47.9	38.8	58.2	
103	54.7	44.2	66.4	





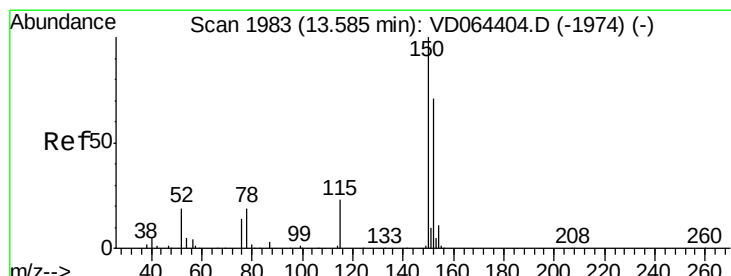
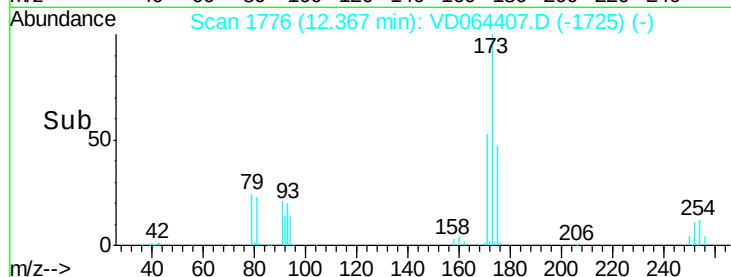
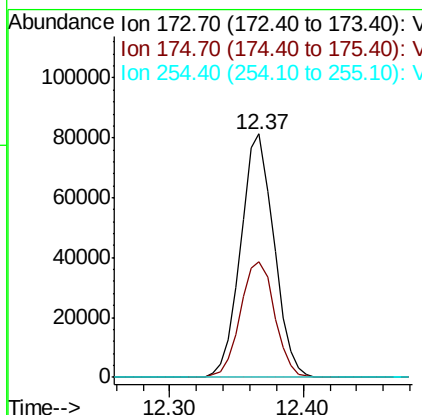
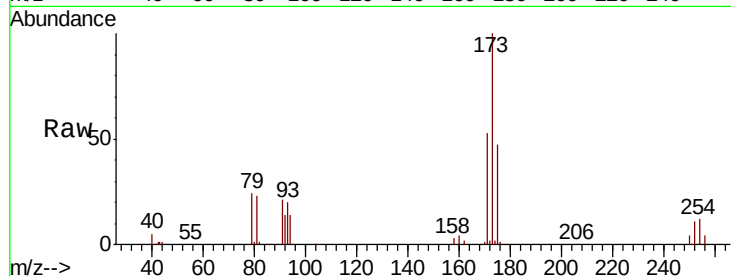
#71
Bromoform
Concen: 50.489 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD064407.D
Acq: 27 Nov 2019 21:10

Instrument :
MSVOA_D
ClientSampled :
ICVVD112719

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	25.3	75.8
254	0.1	0.0	0.0

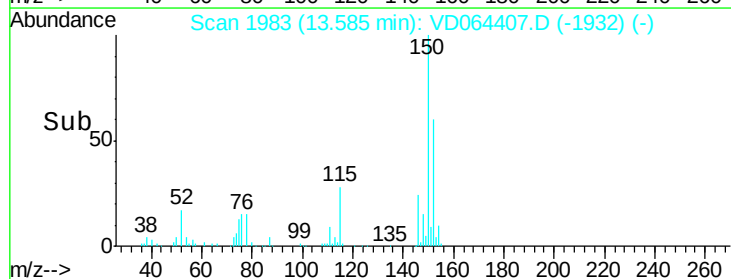
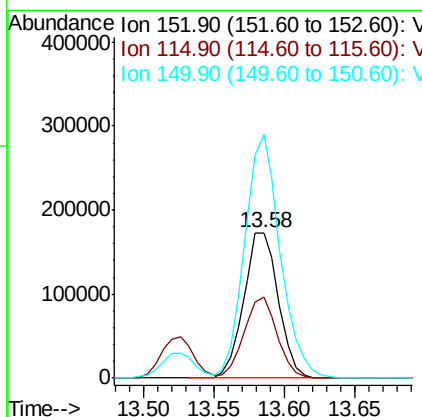
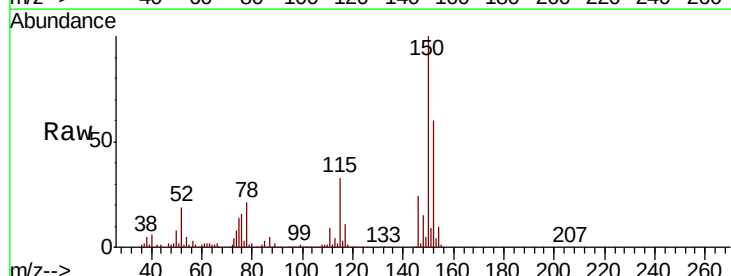
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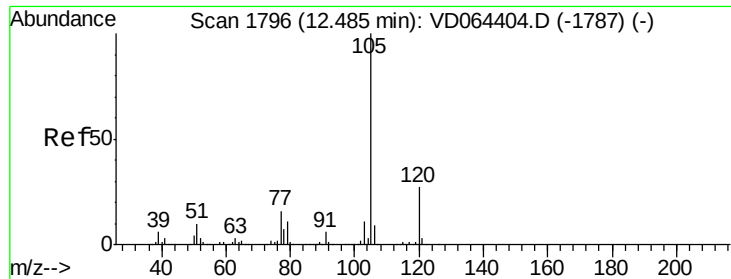
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064407.D
Acq: 27 Nov 2019 21:10

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.5	26.7	80.1
150	172.7	0.0	347.2





#73

Isopropylbenzene

Concen: 48.458 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064407.D

Acq: 27 Nov 2019 21:10

Instrument :

MSVOA_D

ClientSampleId :

ICVVD112719

Tot Ion: 105 Resp: 1034101

Ion Ratio Lower Upper

105 100

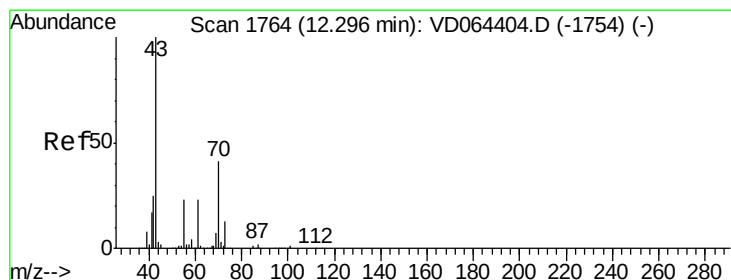
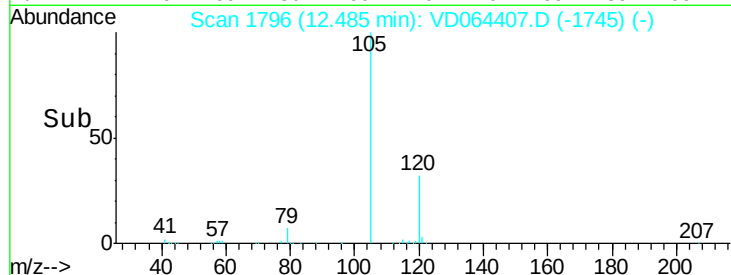
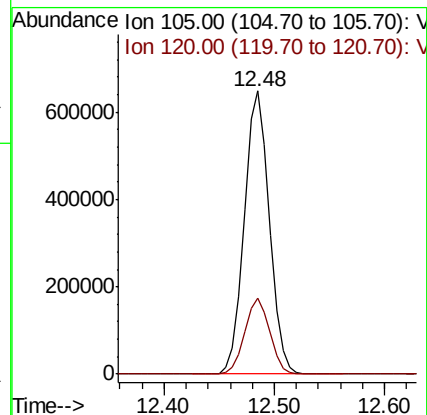
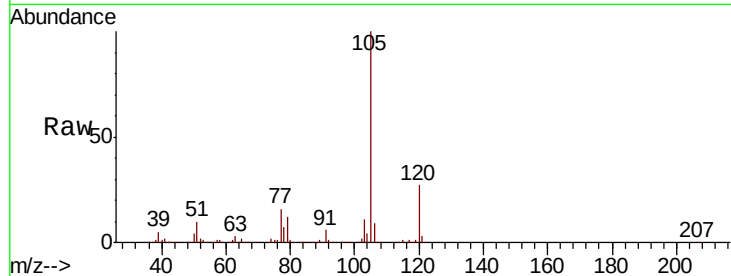
120 26.8 13.4 40.2

Manual Integrations

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#74

N-ethyl acetate

Concen: 52.888 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD064407.D

Acq: 27 Nov 2019 21:10

Tgt Ion: 43 Resp: 256159

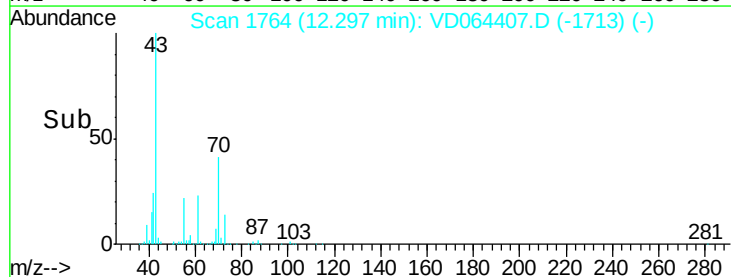
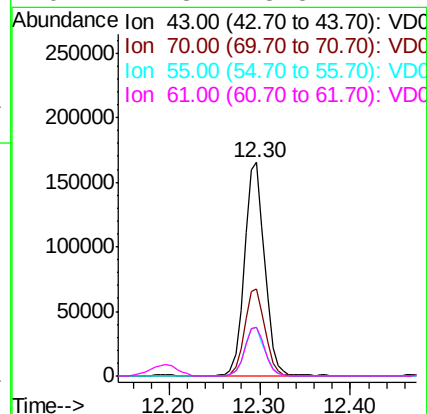
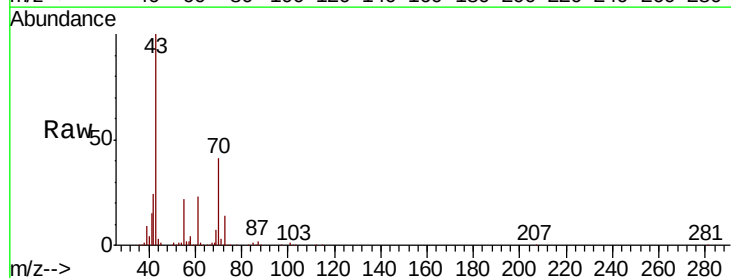
Ion Ratio Lower Upper

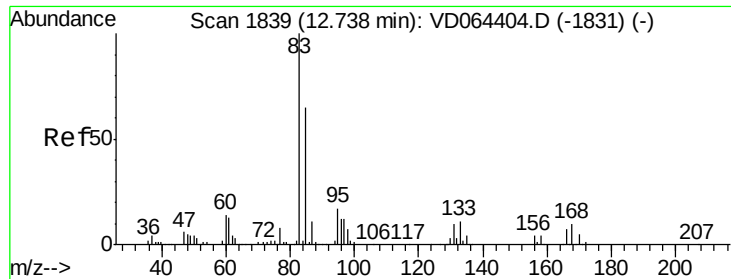
43 100

70 41.3 33.4 50.2

55 23.0 18.9 28.3

61 22.8 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 49.654 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064407.D

Acq: 27 Nov 2019 21:10

Instrument :

MSVOA_D

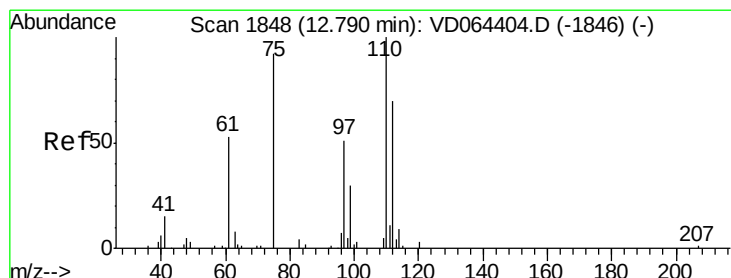
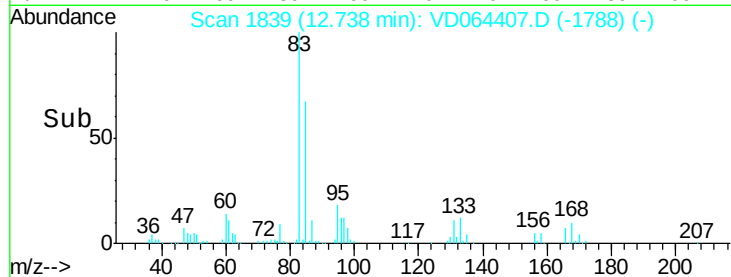
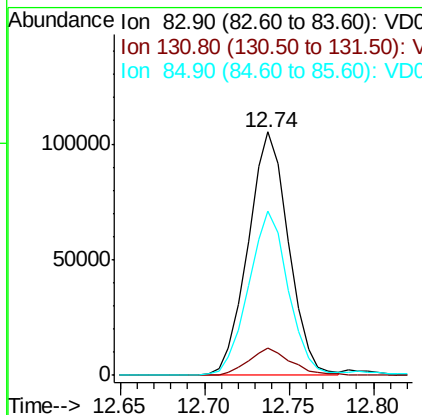
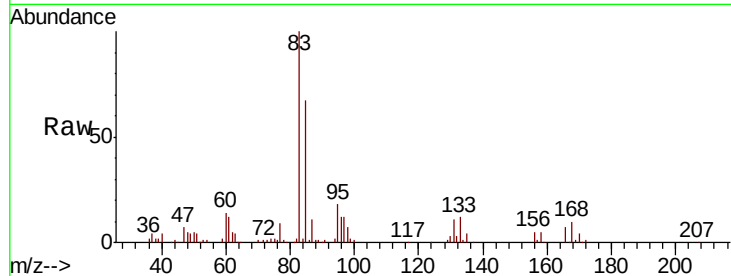
ClientSampleId :

ICVVD112719

Tot Ion:	83	Resp:	175230
Ion Ratio	Lower	Upper	
83	100		
131	11.8	5.7	17.0
85	66.1	31.3	93.9

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#76

1,2,3-Trichloropropane

Concen: 54.850 ug/l m

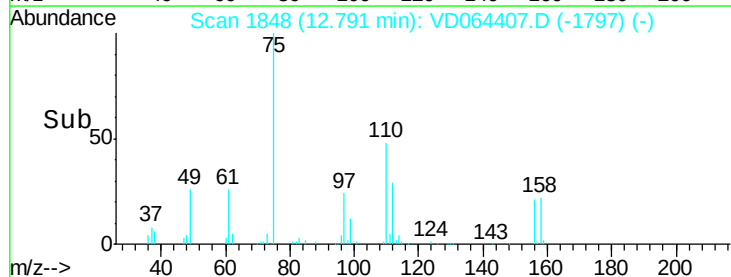
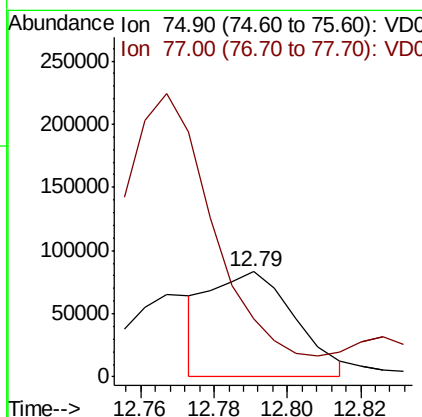
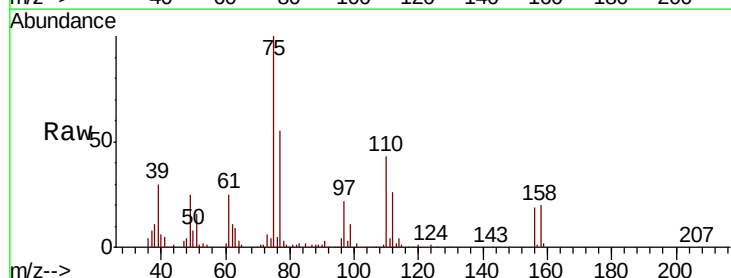
RT: 12.79 min Scan# 1848

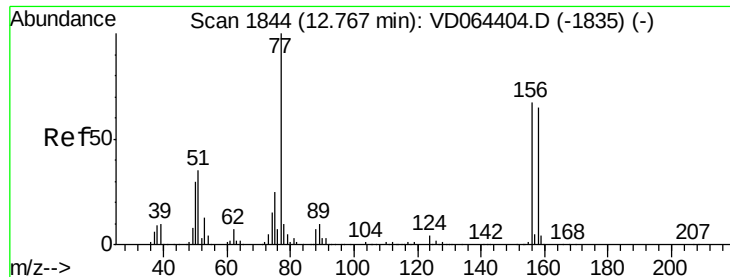
Delta R.T. 0.00 min

Lab File: VD064407.D

Acq: 27 Nov 2019 21:10

Tgt Ion:	75	Resp:	133839
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 50.851 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064407.D

Acq: 27 Nov 2019 21:10

Instrument :

MSVOA_D

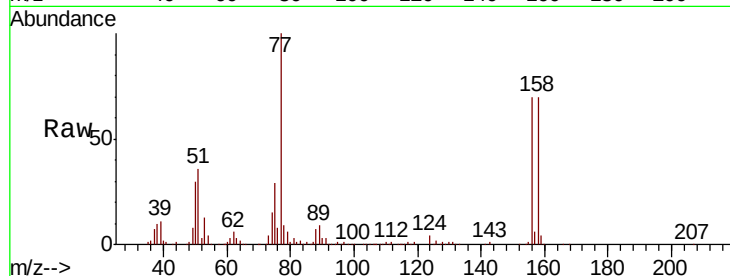
ClientSampleId :

ICVVD112719

Tot Ion:	156	Resp:	267977
Ion Ratio	Lower	Upper	
156	100		
77	156.8	80.0	240.2
158	97.2	48.9	146.6

Manual Integrations
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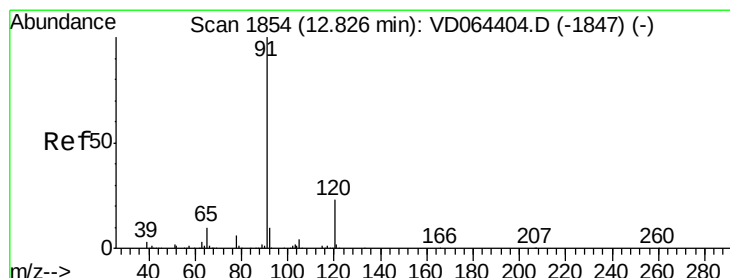
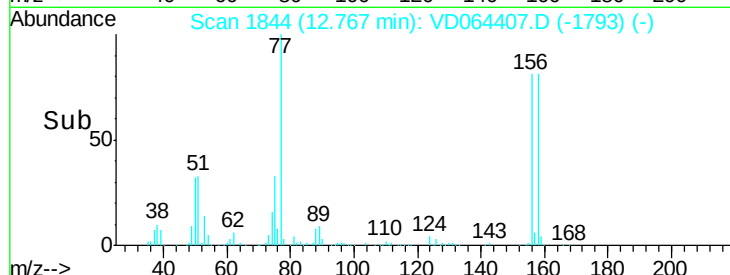
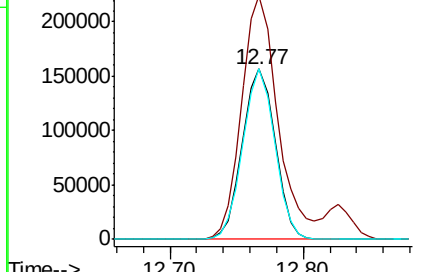
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.915 ug/l

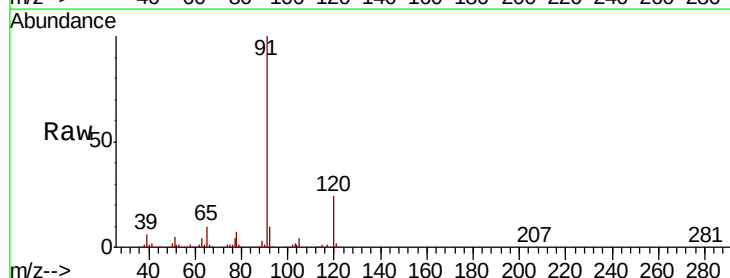
RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064407.D

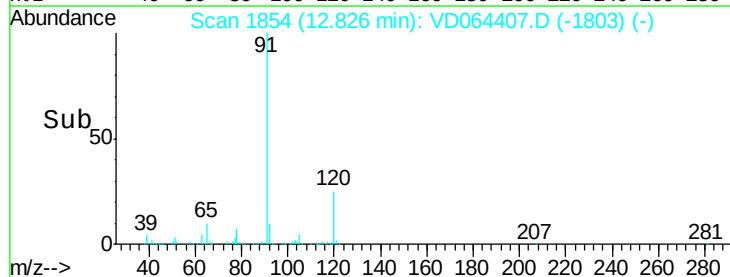
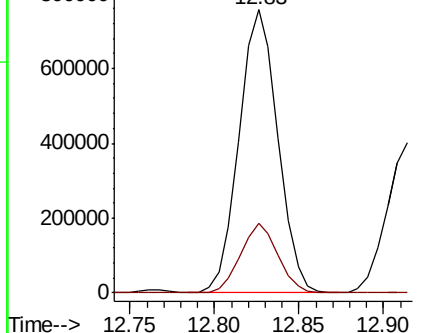
Acq: 27 Nov 2019 21:10

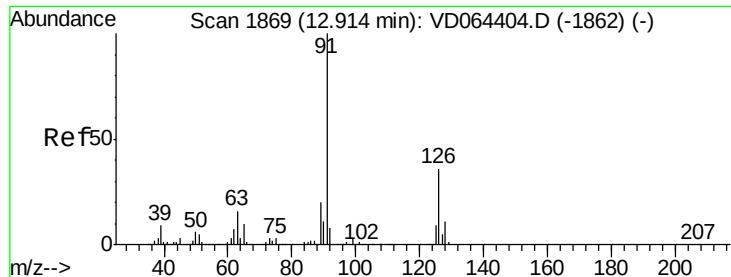
Tgt Ion:	91	Resp:	1204397
Ion Ratio	Lower	Upper	
91	100		
120	23.7	11.9	35.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





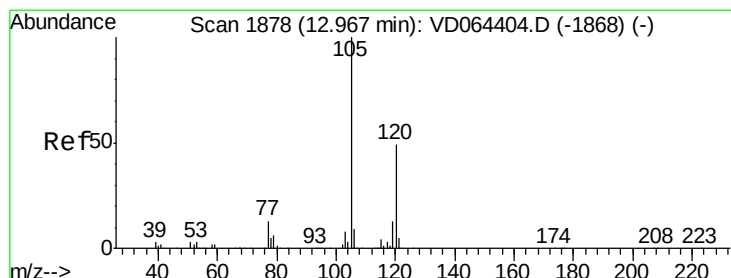
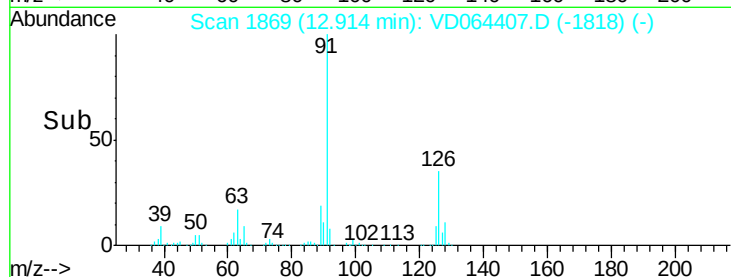
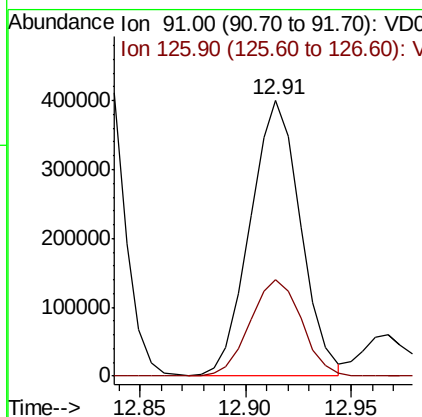
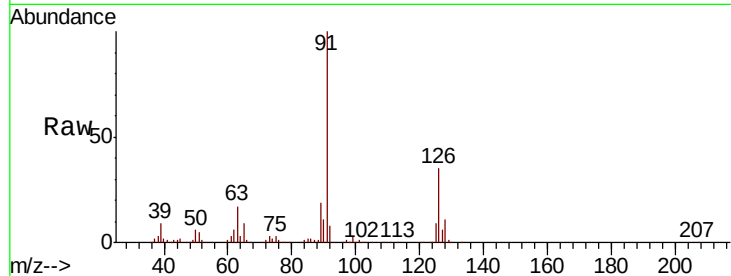
#79
2-Chlorotoluene
Concen: 49.045 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.00 min
Lab File: VD064407.D
Acq: 27 Nov 2019 21:10

Instrument :
MSVOA_D
ClientSampleId :
ICVVD112719

Tot Ion: 91 Resp: 664472
Ion Ratio Lower Upper
91 100
126 36.0 18.0 54.0

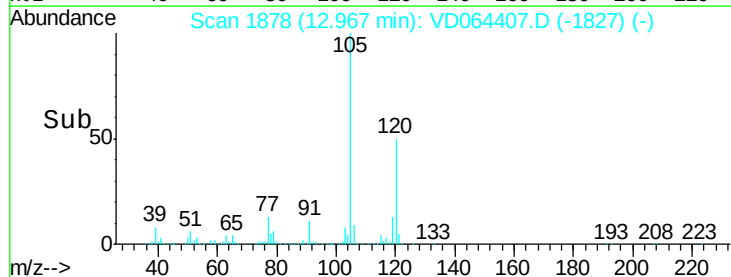
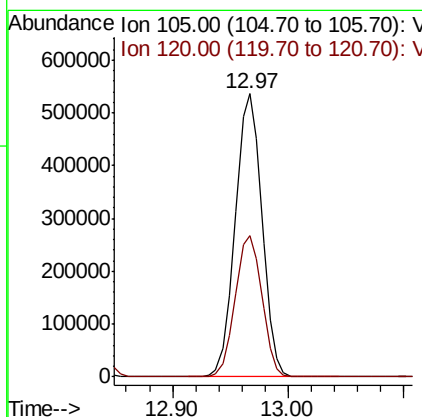
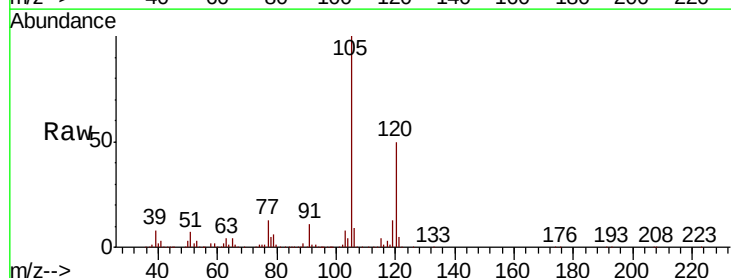
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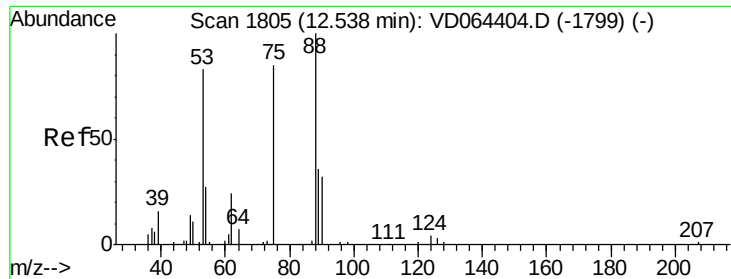
apatel
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#80
1,3,5-Trimethylbenzene
Concen: 49.096 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.00 min
Lab File: VD064407.D
Acq: 27 Nov 2019 21:10

Tgt Ion: 105 Resp: 856177
Ion Ratio Lower Upper
105 100
120 50.3 25.1 75.3





#81

trans-1,4-Dichloro-2-butene

Concen: 51.382 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD064407.D

Acq: 27 Nov 2019 21:10

Instrument :

MSVOA_D

ClientSampleId :

ICVVD112719

Tot Ion: 75 Resp: 57498

Ion Ratio Lower Upper

75 100

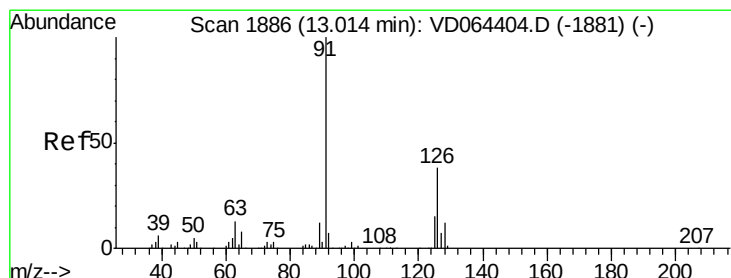
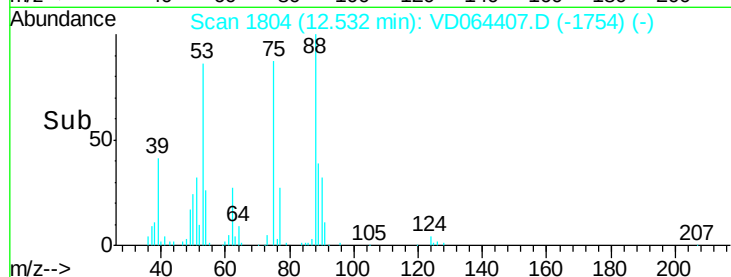
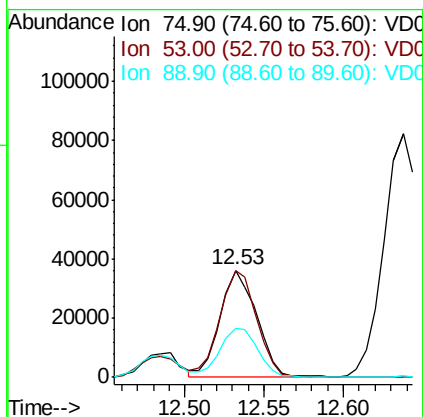
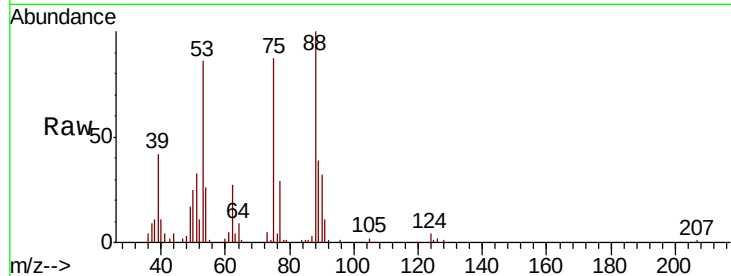
53 102.6 81.0 121.6

89 48.3 38.5 57.7

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#82

4-Chlorotoluene

Concen: 48.749 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD064407.D

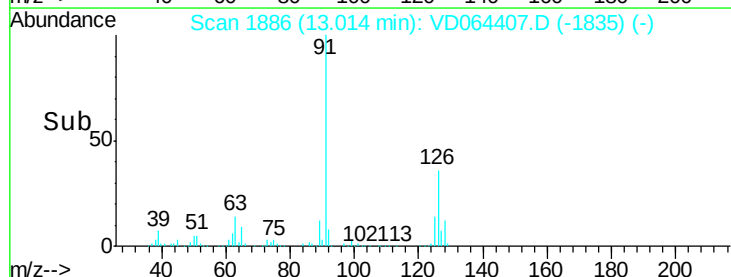
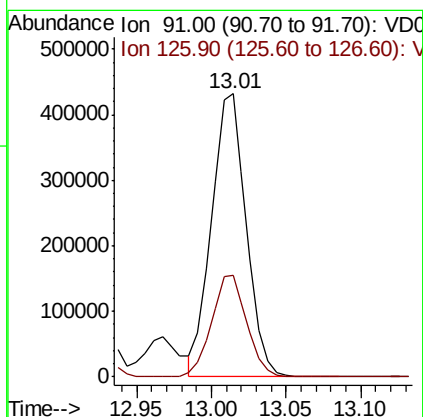
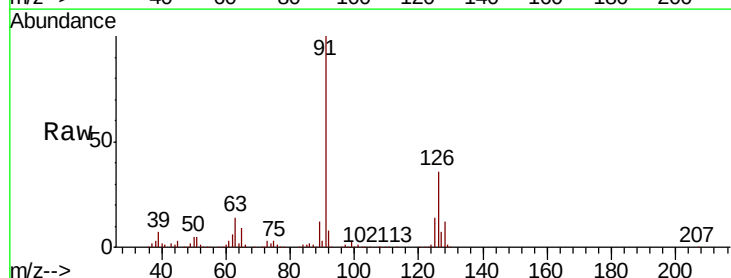
Acq: 27 Nov 2019 21:10

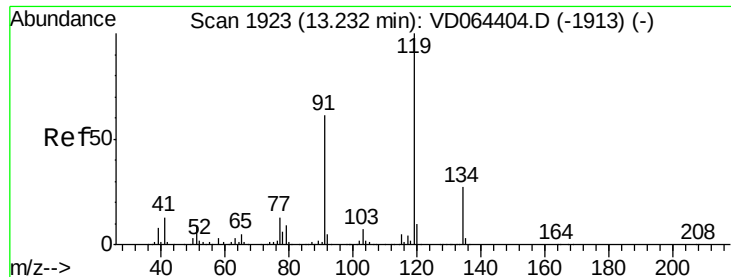
Tgt Ion: 91 Resp: 699291

Ion Ratio Lower Upper

91 100

126 36.5 18.2 54.6





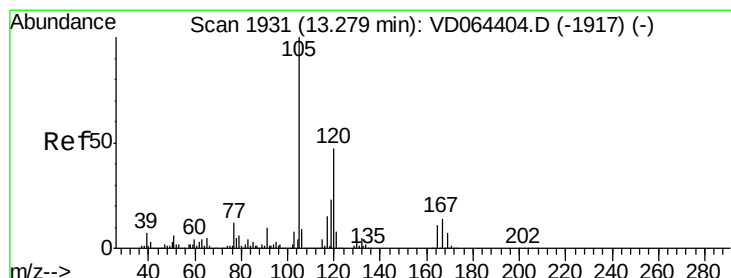
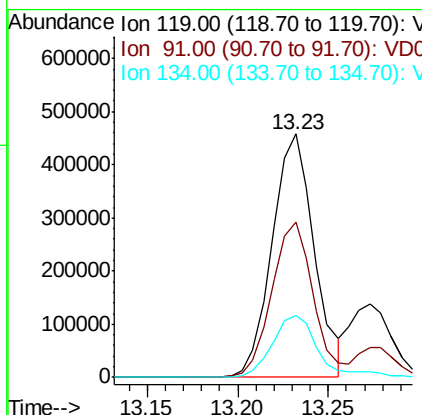
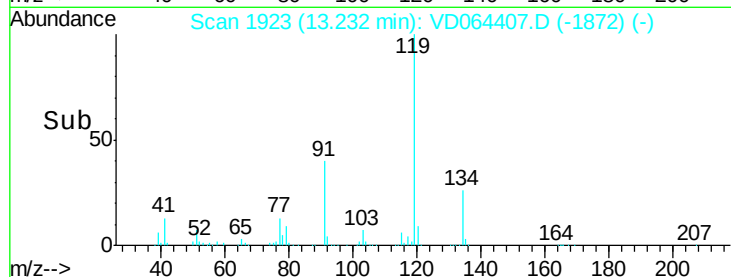
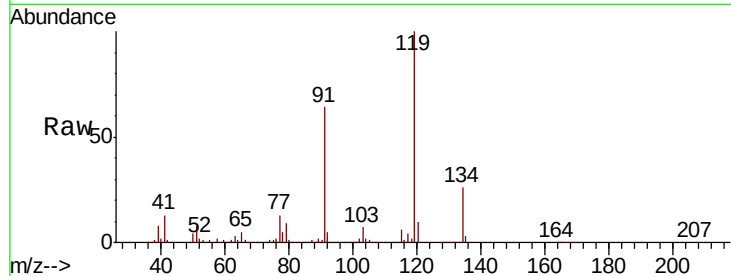
#83
tert-Butylbenzene
Concen: 49.007 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD064407.D
Acq: 27 Nov 2019 21:10

Instrument :
MSVOA_D
ClientSampleId :
ICVVD112719

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.2	31.2	93.6
134	27.9	13.9	41.7

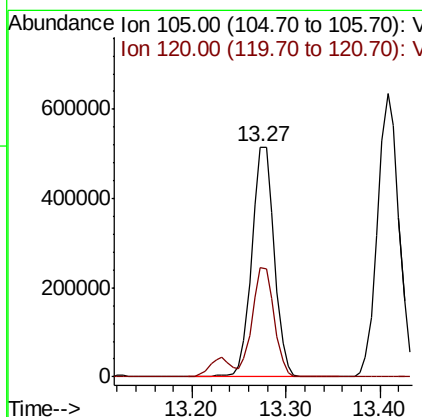
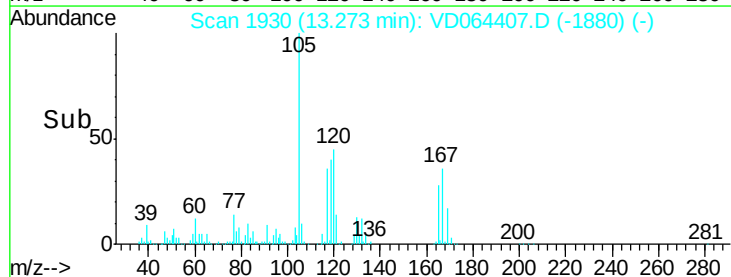
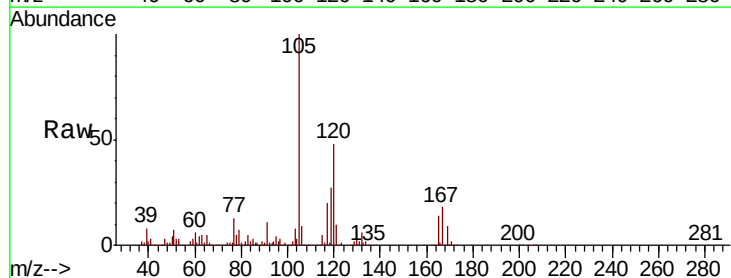
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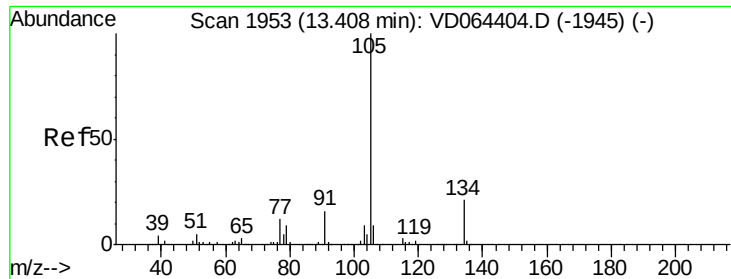
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#84
1,2,4-Trimethylbenzene
Concen: 48.749 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.01 min
Lab File: VD064407.D
Acq: 27 Nov 2019 21:10

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	23.6	70.8





#85

sec-Butylbenzene

Concen: 48.199 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064407.D

Acq: 27 Nov 2019 21:10

Instrument :

MSVOA_D

ClientSampleId :

ICVVD112719

Tot Ion:105 Resp: 1002944

Ion Ratio Lower Upper

105 100

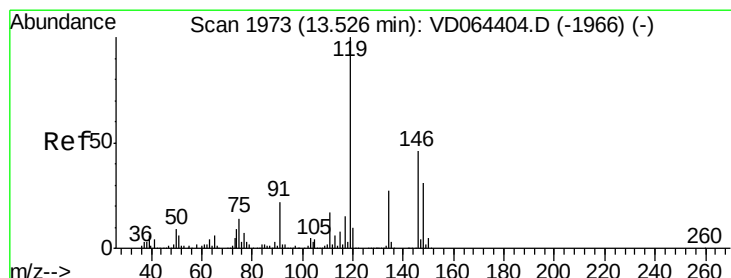
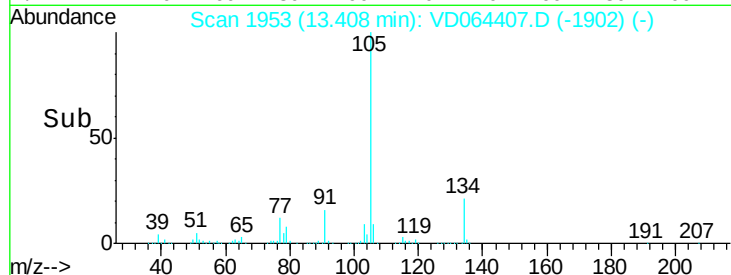
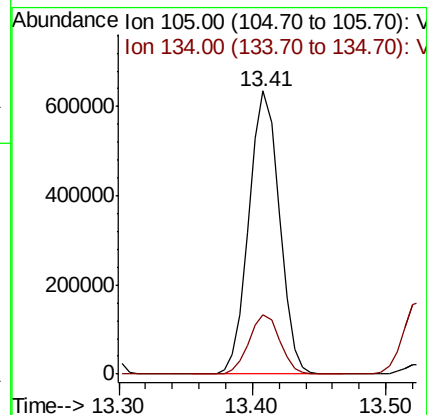
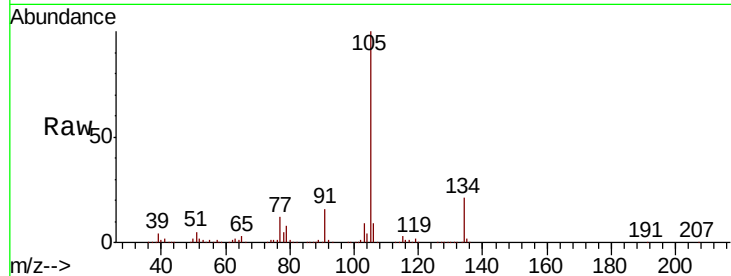
134 21.1 10.5 31.5

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#86

p-Isopropyltoluene

Concen: 49.234 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064407.D

Acq: 27 Nov 2019 21:10

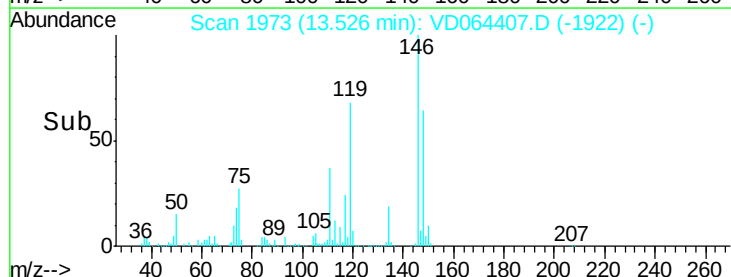
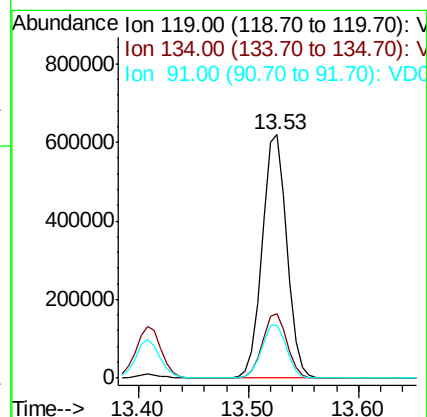
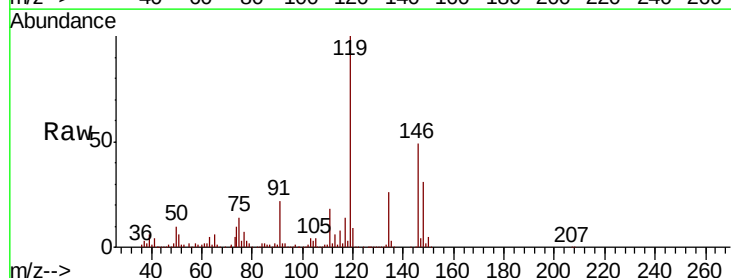
Tgt Ion:119 Resp: 967195

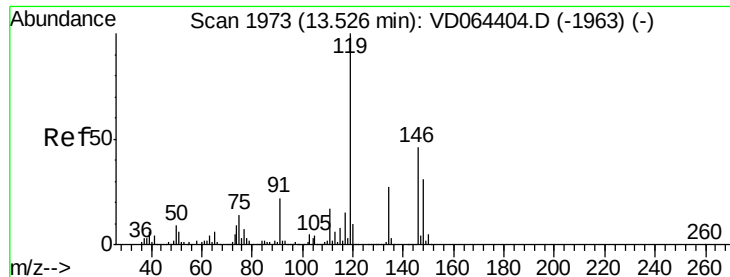
Ion Ratio Lower Upper

119 100

134 26.5 13.5 40.4

91 22.2 11.2 33.5





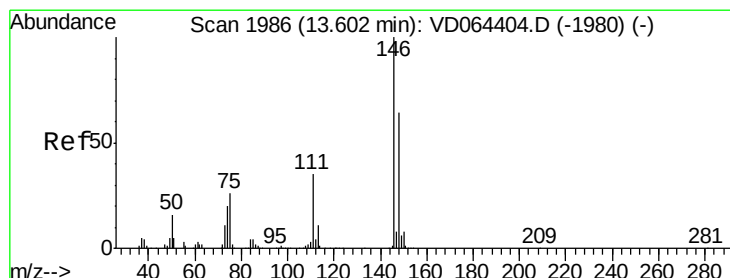
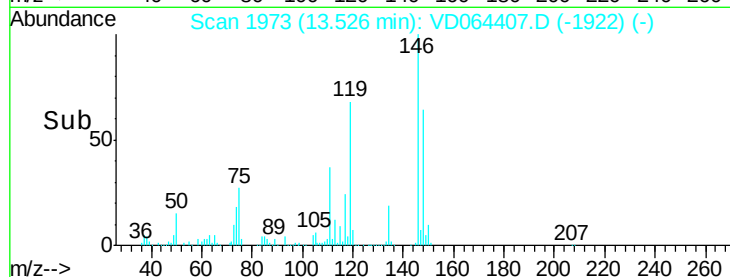
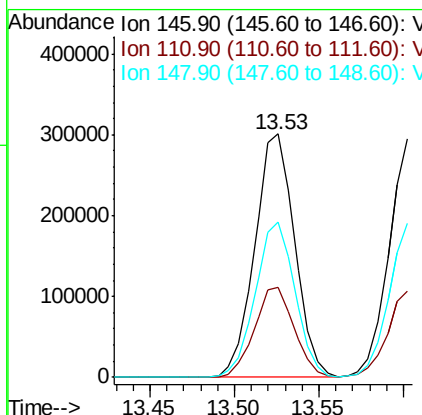
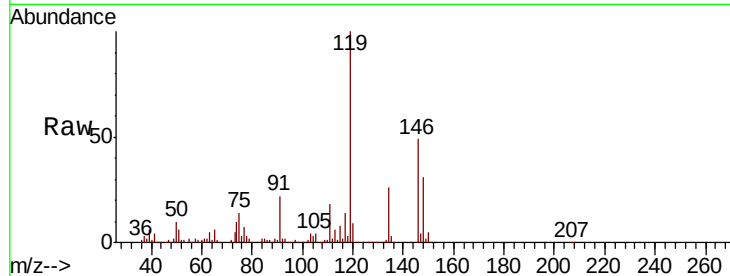
#87
 1,3-Dichlorobenzene
 Concen: 49.392 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064407.D
 Acq: 27 Nov 2019 21:10

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD112719

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.8	56.4
148	63.4	32.6	97.8

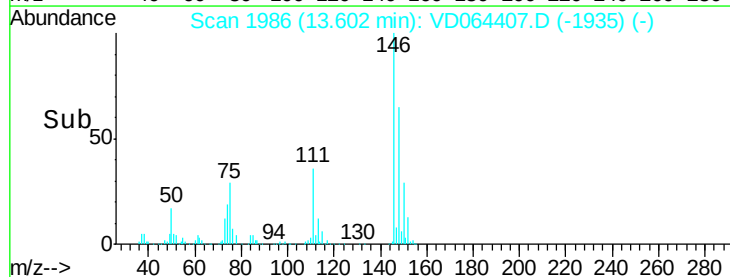
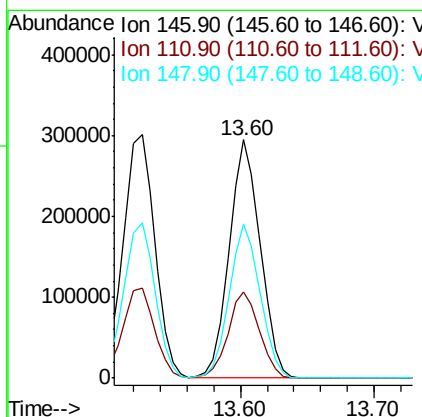
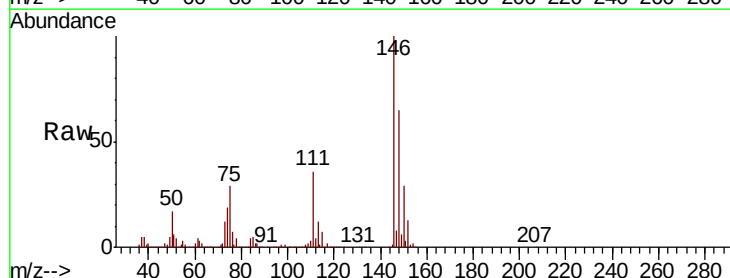
Manual Integrations
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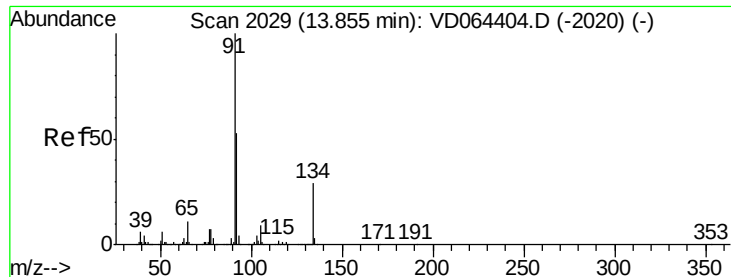
apatel
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#88
 1,4-Dichlorobenzene
 Concen: 48.408 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064407.D
 Acq: 27 Nov 2019 21:10

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.1	18.2	54.6
148	64.2	31.8	95.4





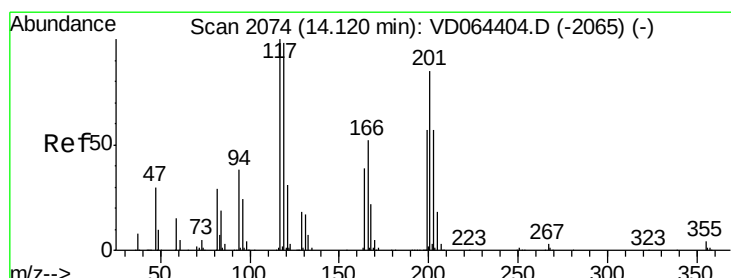
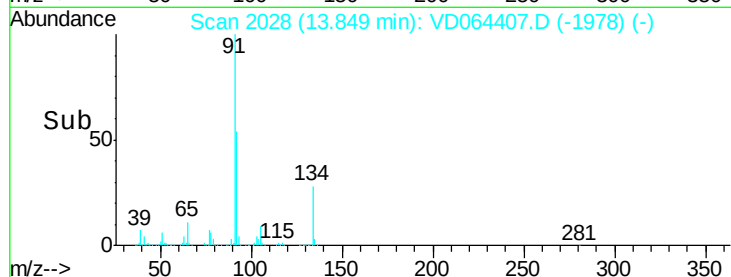
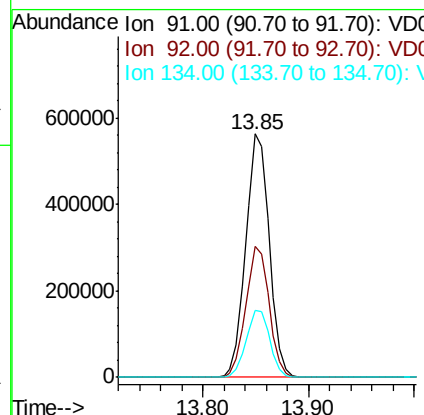
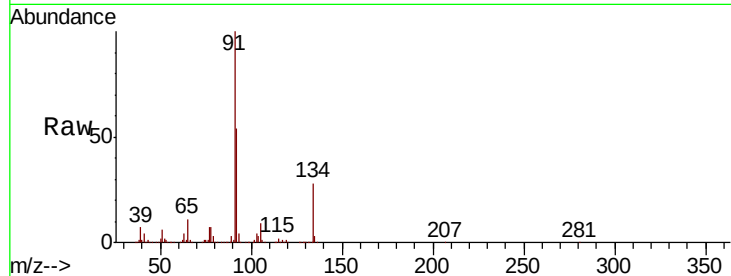
#89
n-Butylbenzene
Concen: 48.479 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.01 min
Lab File: VD064407.D
Acq: 27 Nov 2019 21:10

Instrument :
MSVOA_D
ClientSampleId :
ICVVD112719

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.4	26.5	79.4
134	27.8	13.9	41.7

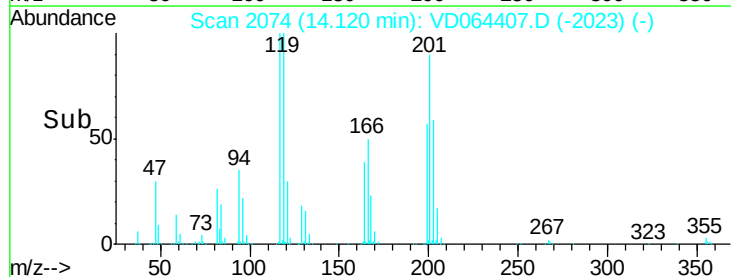
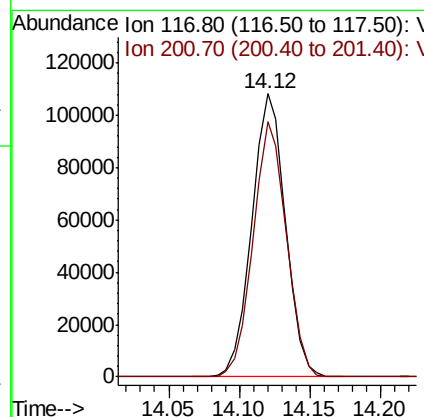
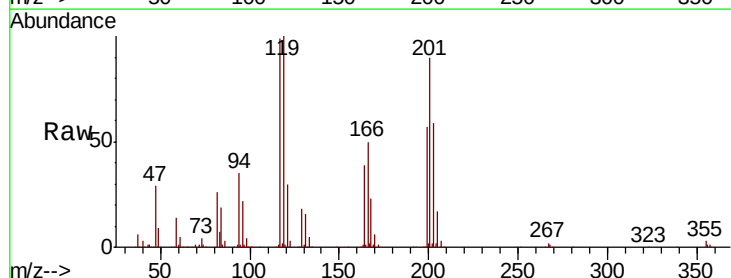
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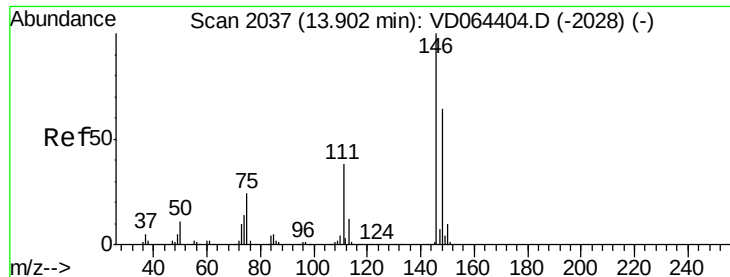
apatel
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#90
Hexachloroethane
Concen: 49.420 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064407.D
Acq: 27 Nov 2019 21:10

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.9	44.3	132.8





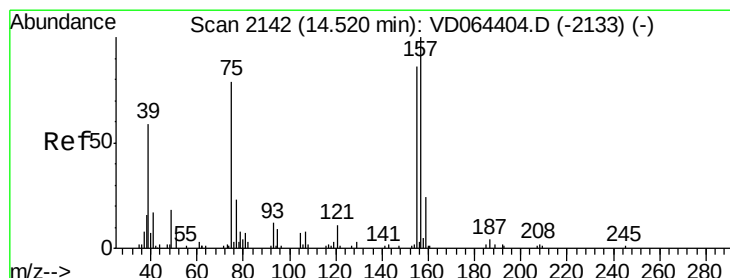
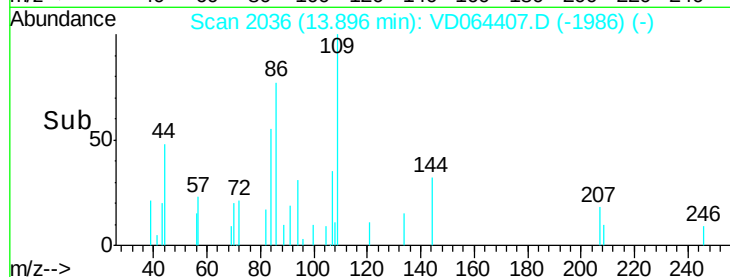
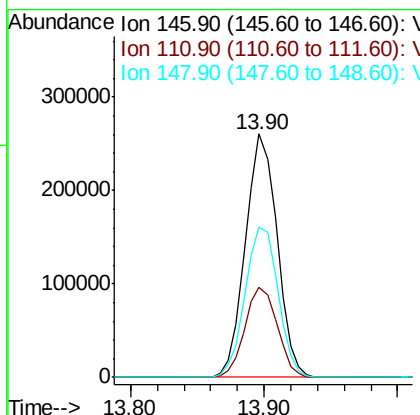
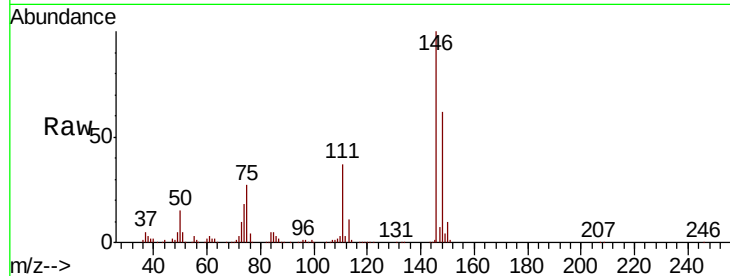
#91
 1,2-Dichlorobenzene
 Concen: 50.023 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD064407.D
 Acq: 27 Nov 2019 21:10

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD112719

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	19.1	57.3
148	64.1	32.0	96.0

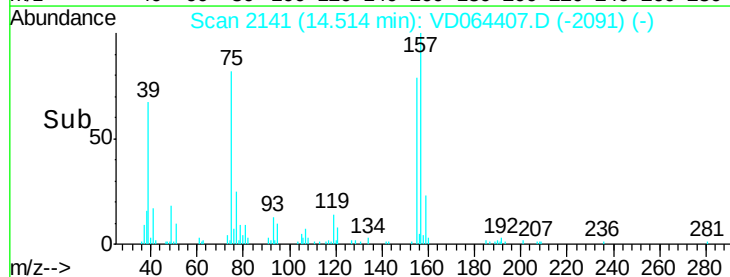
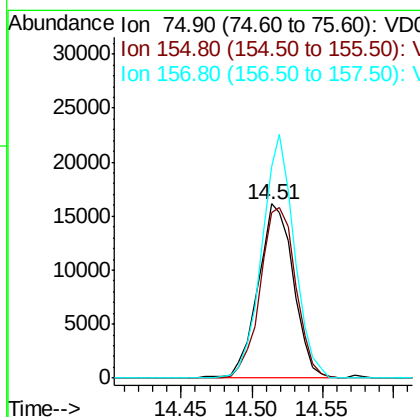
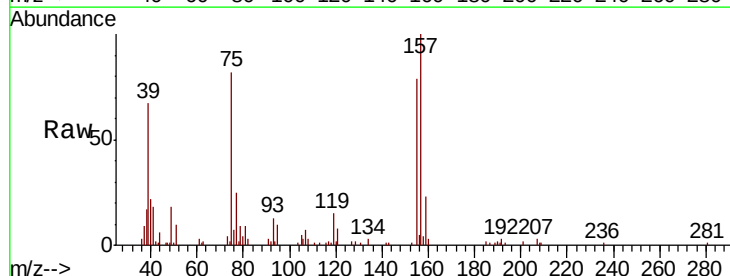
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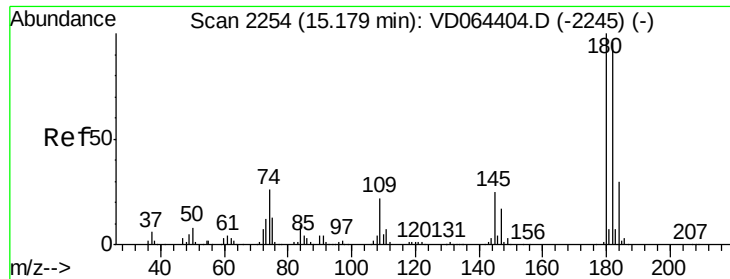
apatel
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.510 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VD064407.D
 Acq: 27 Nov 2019 21:10

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.9	51.9	155.7
157	126.9	63.2	189.8





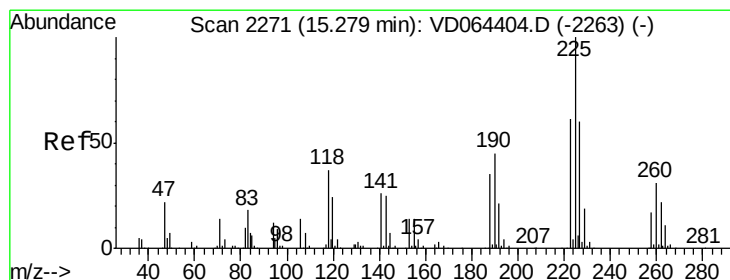
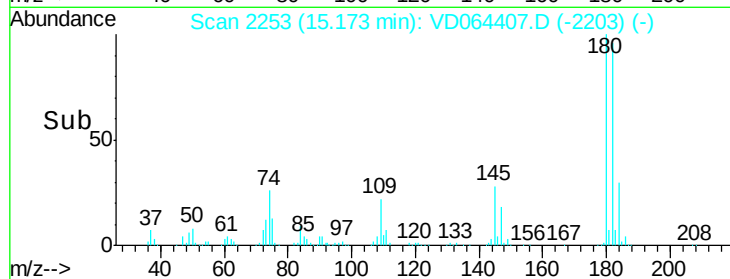
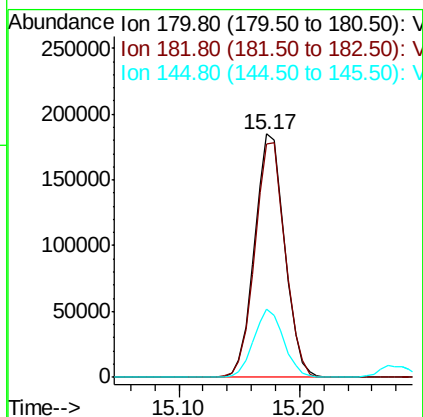
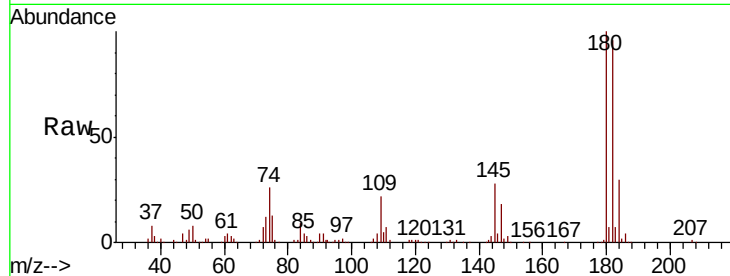
#93
1,2,4-Trichlorobenzene
Concen: 48.789 ug/l
RT: 15.17 min Scan# 2253
Delta R.T. -0.01 min
Lab File: VD064407.D
Acq: 27 Nov 2019 21:10

Instrument :
MSVOA_D
ClientSampleId :
ICVVD112719

Tot Ion	Ratio	Resp	Lower	Upper
180	100	319390		
182	97.1	47.4	142.3	
145	28.0	14.0	41.9	

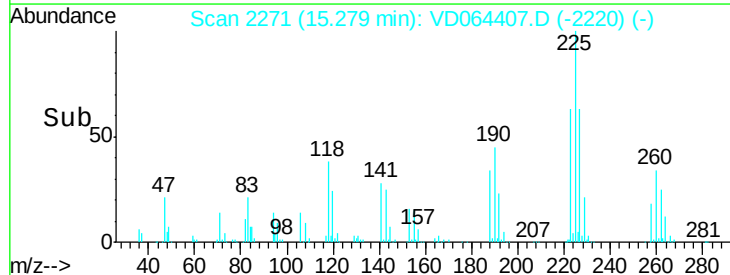
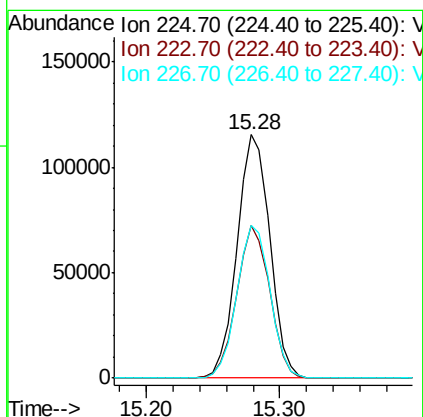
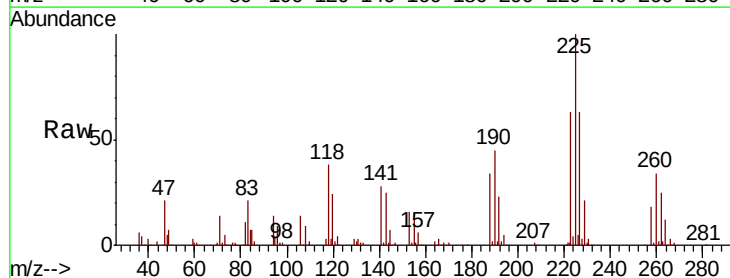
Manual Integrations
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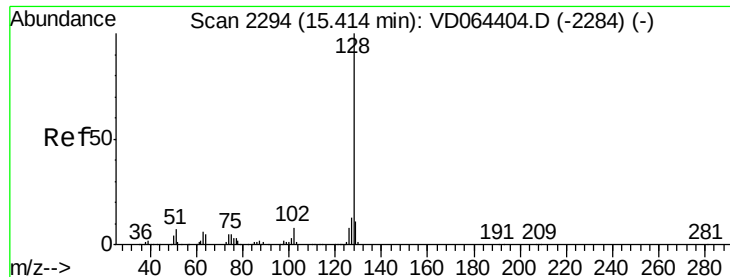
apatel
12/2/2019 10:56:50 AM



#94
Hexachlorobutadiene
Concen: 48.469 ug/l
RT: 15.28 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VD064407.D
Acq: 27 Nov 2019 21:10

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	195880		
223	62.9	31.1	93.3	
227	63.8	31.8	95.4	





#95

Naphthalene

Concen: 51.155 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD064407.D

Acq: 27 Nov 2019 21:10

Instrument :

MSVOA_D

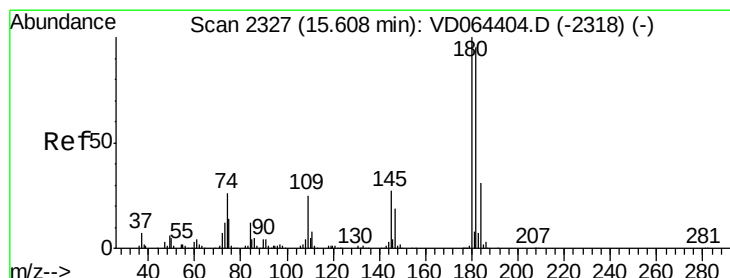
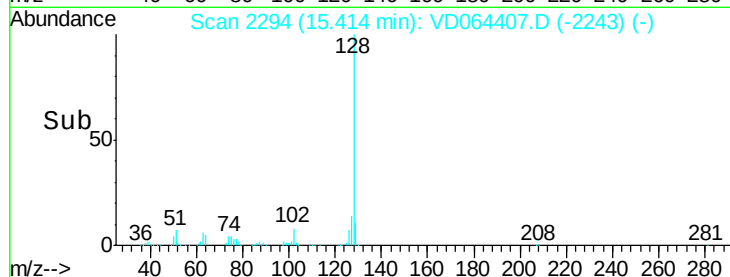
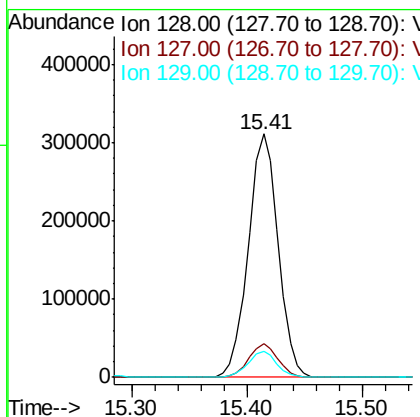
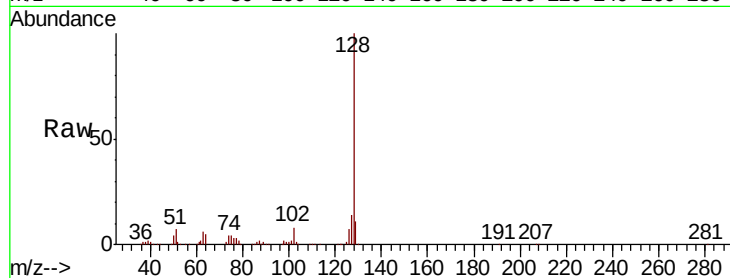
ClientSampleId :

ICVVD112719

Tot Ion:	128	Resp:	558874
Ion Ratio	Lower	Upper	
128	100		
127	13.6	10.5	15.7
129	10.5	8.8	13.2

Manual Integrations
APPROVED

apatel
12/2/2019 10:56:50 AM



#96

1,2,3-Trichlorobenzene

Concen: 49.908 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD064407.D

Acq: 27 Nov 2019 21:10

Tgt Ion:	180	Resp:	278887
Ion Ratio	Lower	Upper	
180	100		
182	94.3	47.6	142.9
145	29.8	14.6	43.8

