

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121619\
 Data File : VD064518.D
 Acq On : 16 Dec 2019 11:27
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

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 12/17/2019 4:49:06 PM

Quant Time: Dec 17 02:44:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 07:18:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	430261	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	608047	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	526177	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	259426	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	193259	49.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.24%	
35) Dibromofluoromethane	7.92	113	202969	52.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.96%	
50) Toluene-d8	10.34	98	776942	53.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.68%	
62) 4-Bromofluorobenzene	12.64	95	240166	51.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	183573	47.087	ug/l	98
3) Chloromethane	2.21	50	232761	47.336	ug/l	98
4) Vinyl Chloride	2.35	62	283397	49.916	ug/l	98
5) Bromomethane	2.77	94	199374	47.487	ug/l	98
6) Chloroethane	2.93	64	187979	49.536	ug/l	95
7) Trichlorofluoromethane	3.27	101	492547	52.186	ug/l	96
8) Diethyl Ether	3.71	74	93402	47.623	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.09	101	211897	52.361	ug/l	98
10) Methyl Iodide	4.30	142	237163	55.495	ug/l	100
11) Tert butyl alcohol	5.24	59	49301	198.871	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	200288	51.645	ug/l	95
13) Acrolein	3.93	56	89448	264.532	ug/l	100
14) Allyl chloride	4.71	41	318299	52.591	ug/l	99
15) Acrylonitrile	5.43	53	191309	223.063	ug/l	99
16) Acetone	4.17	43	228744	290.654	ug/l	100
17) Carbon Disulfide	4.40	76	599120	48.777	ug/l	97
18) Methyl Acetate	4.72	43	99365	43.285	ug/l	95
19) Methyl tert-butyl Ether	5.48	73	418130	47.002	ug/l	100
20) Methylene Chloride	4.96	84	205834	51.618	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	224019	51.067	ug/l	98
22) Diisopropyl ether	6.37	45	602949	50.464	ug/l	96
23) Vinyl Acetate	6.31	43	1702426	241.690	ug/l	99
24) 1,1-Dichloroethane	6.27	63	371834	51.748	ug/l	99
25) 2-Butanone	7.23	43	255477	229.543	ug/l	99
26) 2,2-Dichloropropane	7.21	77	350687	56.120	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	239624	50.103	ug/l	98
28) Bromochloromethane	7.55	49	135722	55.270	ug/l	99
29) Tetrahydrofuran	7.57	42	151900	214.517	ug/l	99
30) Chloroform	7.71	83	383069	51.476	ug/l	98
31) Cyclohexane	7.98	56	347229	55.890	ug/l	96
32) 1,1,1-Trichloroethane	7.91	97	367555	53.275	ug/l	99
36) 1,1-Dichloropropene	8.11	75	308255	53.597	ug/l	99
37) Ethyl Acetate	7.30	43	111395	45.647	ug/l	98
38) Carbon Tetrachloride	8.10	117	338758	55.808	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	382688	53.641	ug/l	97
40) Benzene	8.35	78	837266	52.415	ug/l	98
41) Methacrylonitrile	7.53	41	65144	46.547	ug/l #	89
42) 1,2-Dichloroethane	8.43	62	236382	50.744	ug/l	98
43) Isopropyl Acetate	8.46	43	224288	46.743	ug/l	100
44) Trichloroethene	9.11	130	251716	52.313	ug/l	100
45) 1,2-Dichloropropane	9.39	63	200895	52.587	ug/l	98
46) Dibromomethane	9.47	93	107148	49.694	ug/l	98
47) Bromodichloromethane	9.66	83	285655	51.561	ug/l	97
48) Methyl methacrylate	9.46	41	113229	51.570	ug/l	89
49) 1,4-Dioxane	9.47	88	22635	850.135	ug/l	90
51) 4-Methyl-2-Pentanone	10.23	43	546492	230.185	ug/l	99
52) Toluene	10.40	92	549111	52.747	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	273643	51.827	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	327417	52.199	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	142873	48.393	ug/l	97
56) Ethyl methacrylate	10.66	69	181831	48.288	ug/l	100
57) 1,3-Dichloropropane	10.95	76	247324	49.211	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	362267	241.334	ug/l	100
59) 2-Hexanone	10.99	43	399644	242.592	ug/l	100
60) Dibromochloromethane	11.14	129	202448	50.574	ug/l	98
61) 1,2-Dibromoethane	11.25	107	138728	47.061	ug/l	99
64) Tetrachloroethene	10.88	164	211311	52.663	ug/l	99
65) Chlorobenzene	11.67	112	571499	52.076	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	217935	53.645	ug/l	98
67) Ethyl Benzene	11.75	91	1053353	53.947	ug/l	98
68) m/p-Xylenes	11.86	106	814004	109.335	ug/l	99
69) o-Xylene	12.18	106	367356	53.427	ug/l	100
70) Styrene	12.20	104	631926	52.887	ug/l	100
71) Bromoform	12.37	173	118256	48.654	ug/l #	98
73) Isopropylbenzene	12.48	105	1017633	54.541	ug/l	99
74) N-amyl acetate	12.29	43	203921	48.155	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	146895	47.608	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	94688m	44.383	ug/l	
77) Bromobenzene	12.77	156	242535	52.638	ug/l	99
78) n-propylbenzene	12.83	91	1192172	55.378	ug/l	100
79) 2-Chlorotoluene	12.91	91	643057	54.286	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	826951	54.236	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	49887	50.988	ug/l	99
82) 4-Chlorotoluene	13.01	91	668488	53.300	ug/l	100
83) tert-Butylbenzene	13.23	119	728445	54.953	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	824388	53.770	ug/l	99
85) sec-Butylbenzene	13.41	105	1013417	55.703	ug/l	99
86) p-Isopropyltoluene	13.53	119	939754	54.713	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	462985	52.942	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	445646	51.616	ug/l	99
89) n-Butylbenzene	13.86	91	873494	56.001	ug/l	99
90) Hexachloroethane	14.12	117	177830	55.354	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	382672	51.202	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	22345	48.320	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	289407	50.563	ug/l	99
94) Hexachlorobutadiene	15.28	225	187395	53.034	ug/l	96
95) Naphthalene	15.41	128	452328	47.353	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	244125	49.966	ug/l	100

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

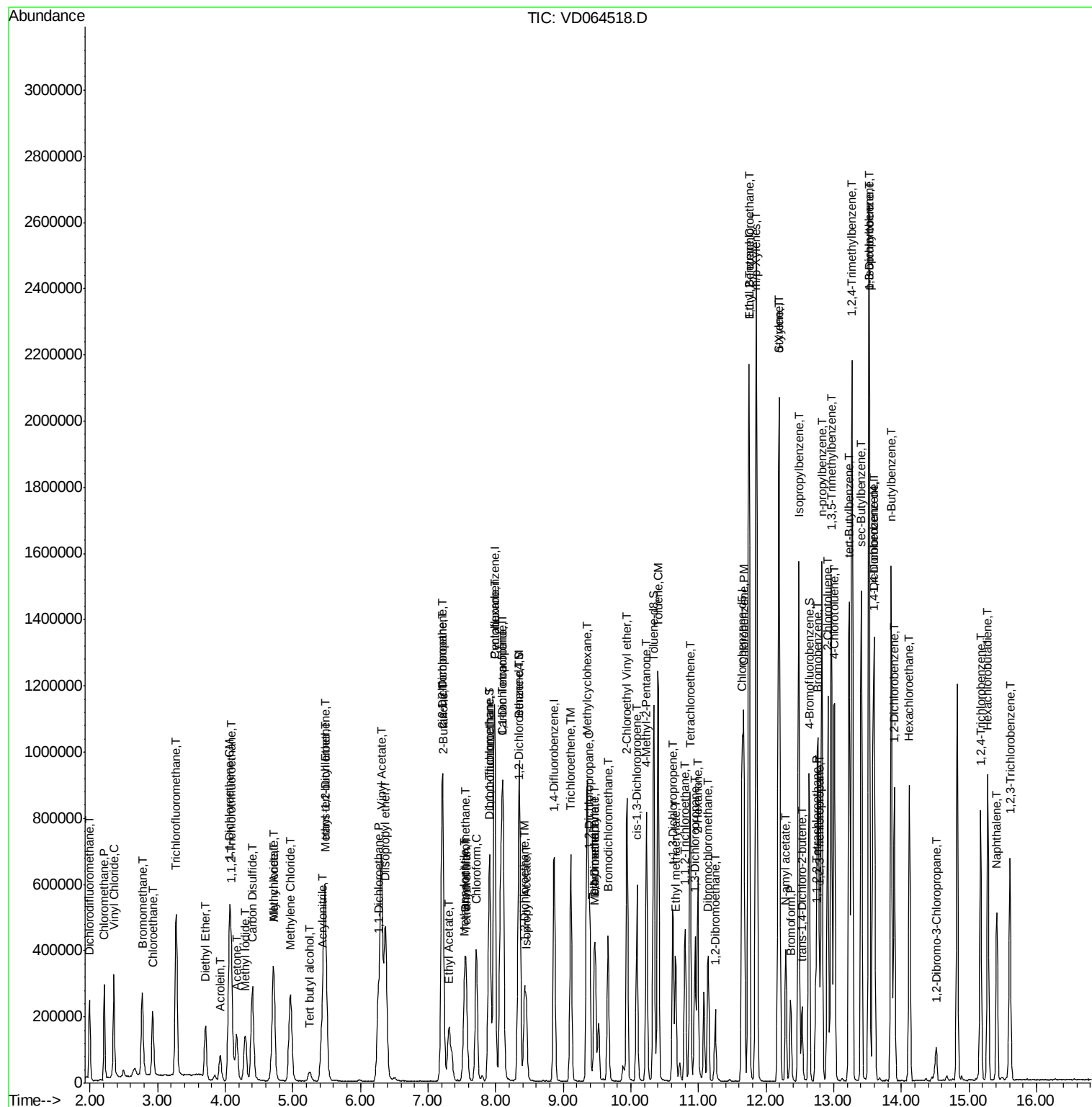
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121619\
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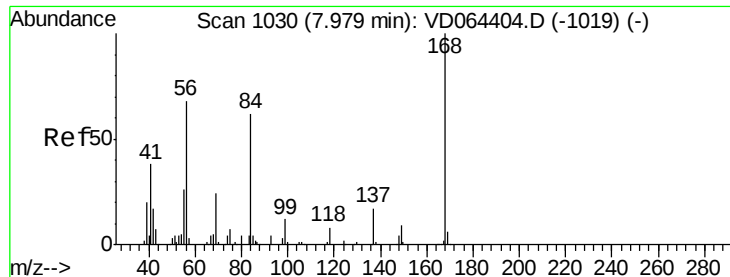
Instrument :
MSVOA_D
ClientSampleId :
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD064518.D

Acq: 16 Dec 2019 11:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 430261

Ion Ratio Lower Upper

168 100

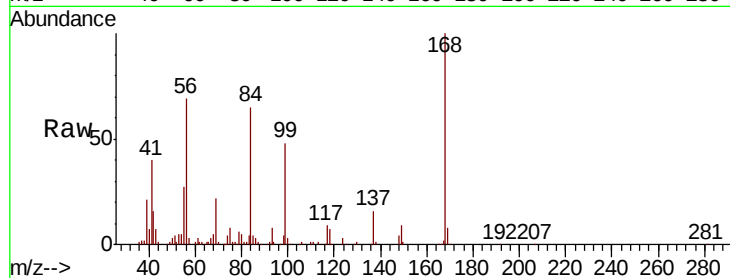
99 48.1 40.7 61.1

Manual Integrations

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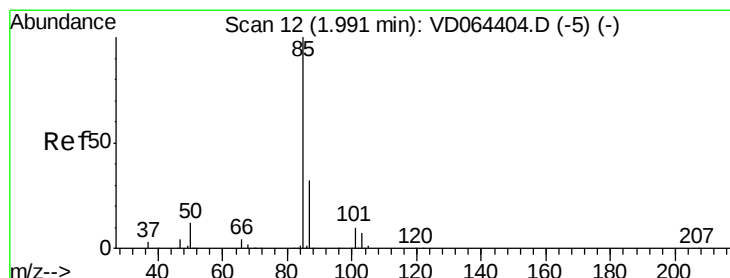
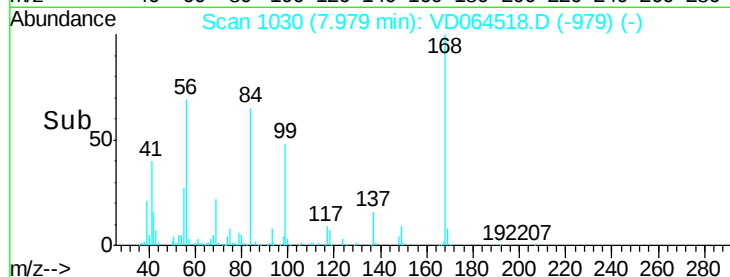
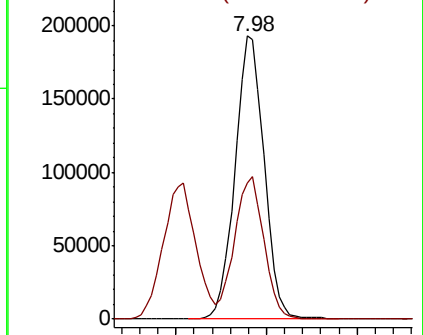
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 47.087 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD064518.D

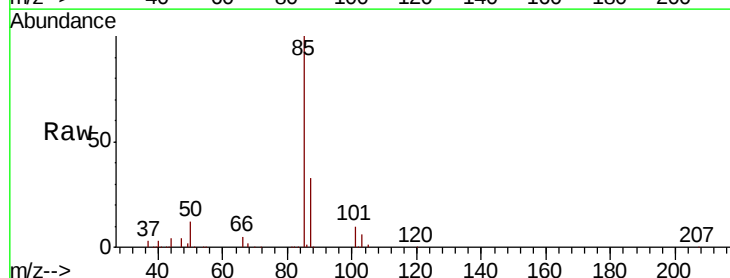
Acq: 16 Dec 2019 11:27

Tgt Ion: 85 Resp: 183573

Ion Ratio Lower Upper

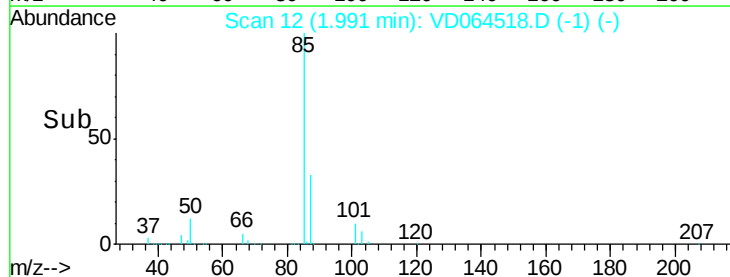
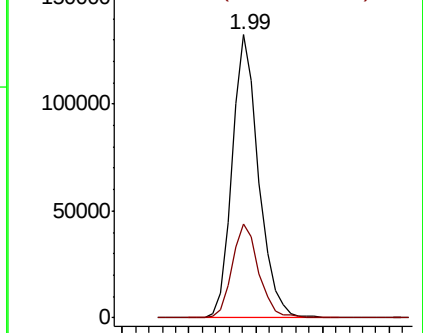
85 100

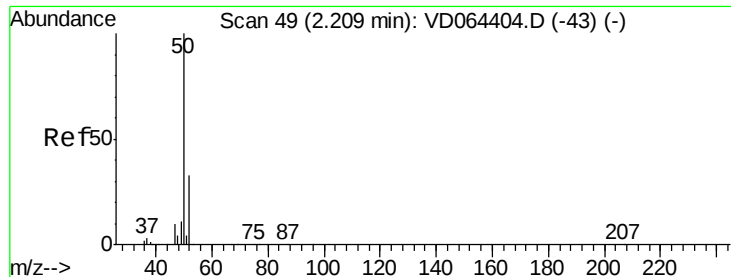
87 33.1 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 47.336 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD064518.D

Acq: 16 Dec 2019 11:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 232761

Ion Ratio Lower Upper

50 100

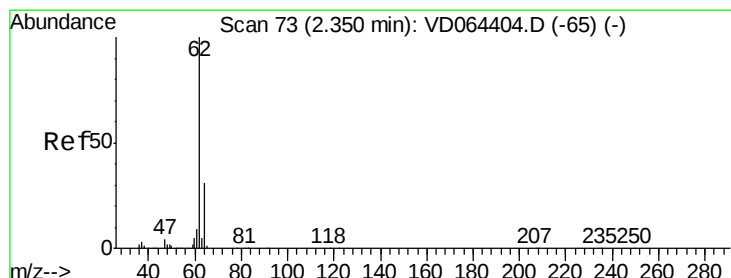
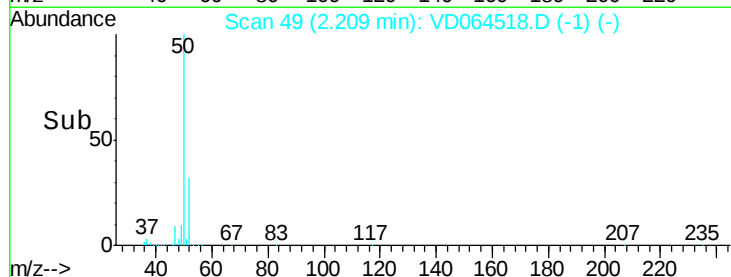
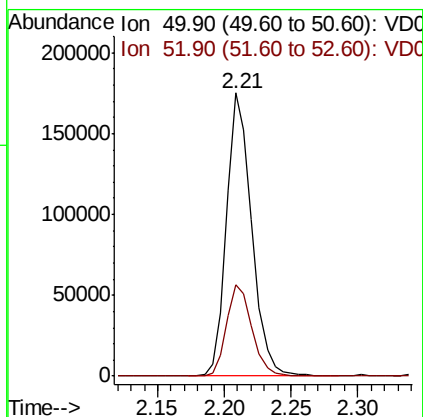
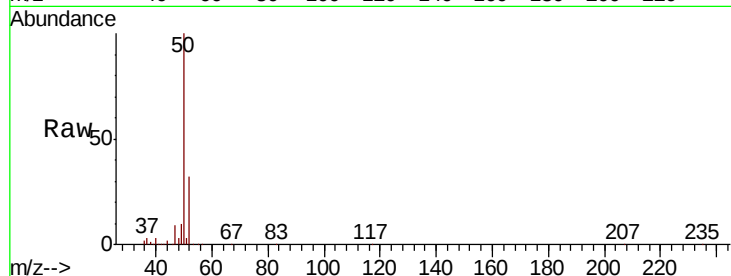
52 32.3 26.7 40.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 49.916 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD064518.D

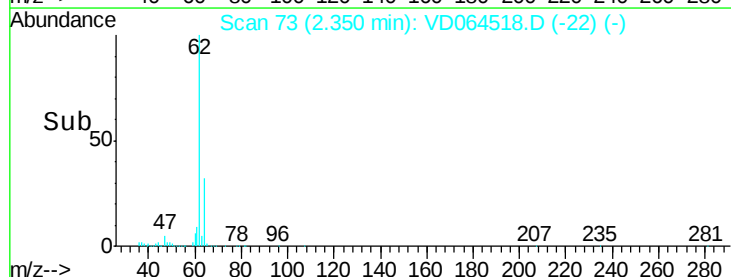
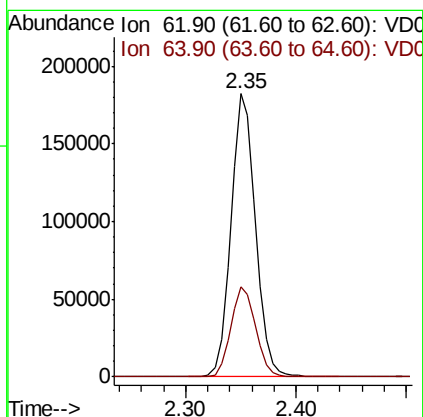
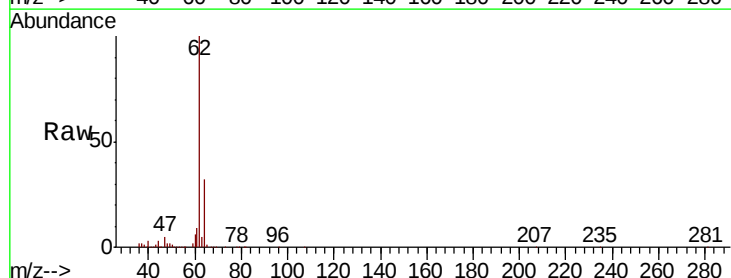
Acq: 16 Dec 2019 11:27

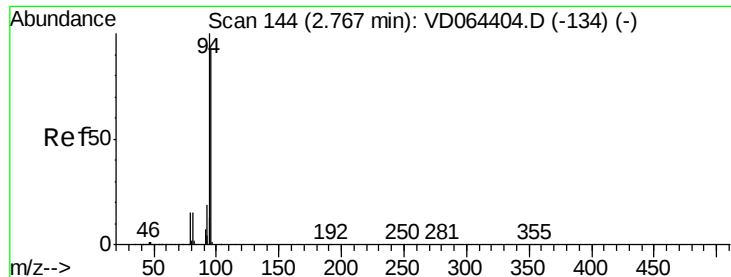
Tgt Ion: 62 Resp: 283397

Ion Ratio Lower Upper

62 100

64 32.0 25.0 37.4





#5

Bromomethane

Concen: 47.487 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.00 min

Lab File: VD064518.D

Acq: 16 Dec 2019 11:27

Instrument :

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ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 199374

Ion Ratio Lower Upper

94 100

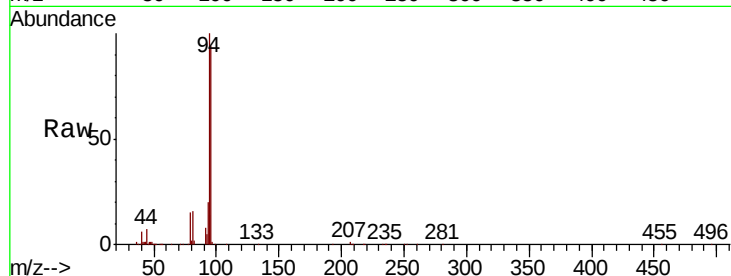
96 93.6 73.6 110.4

Manual Integrations

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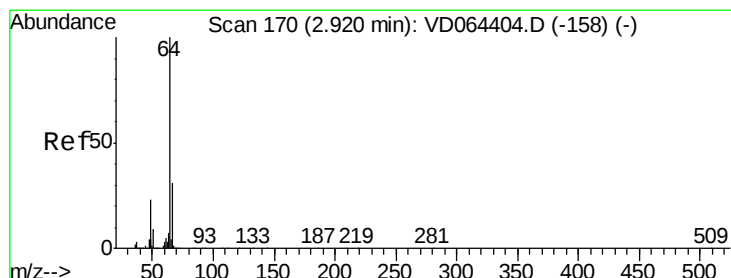
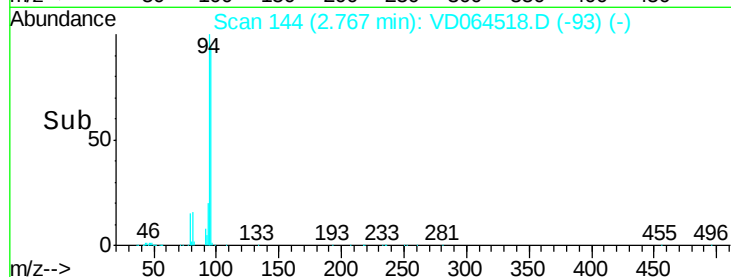
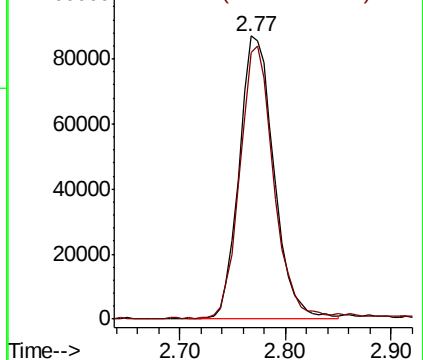
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 49.536 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD064518.D

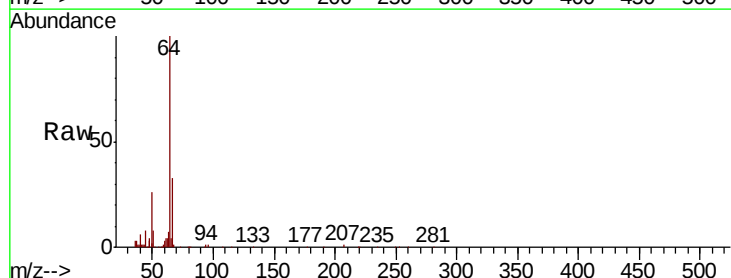
Acq: 16 Dec 2019 11:27

Tgt Ion: 64 Resp: 187979

Ion Ratio Lower Upper

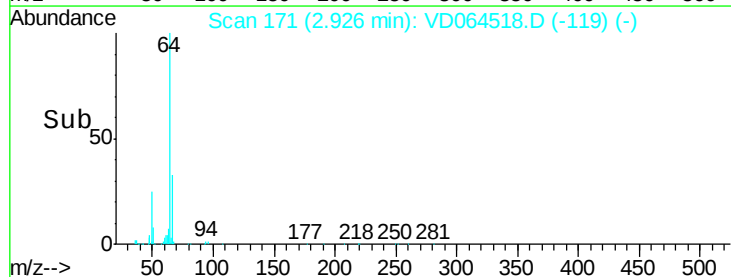
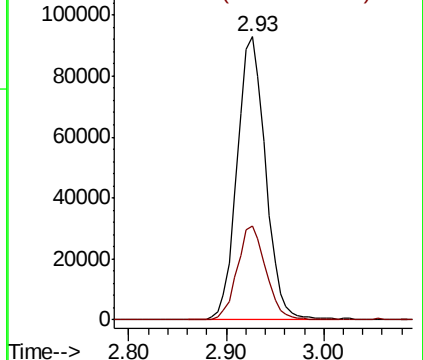
64 100

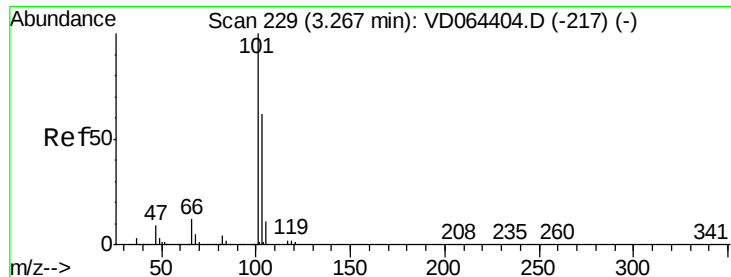
66 33.3 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

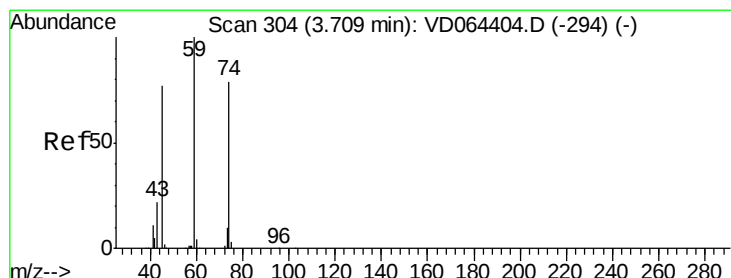
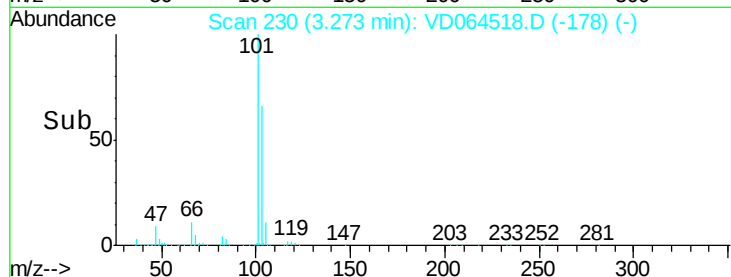
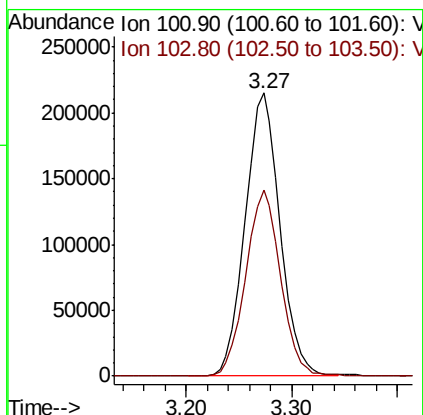
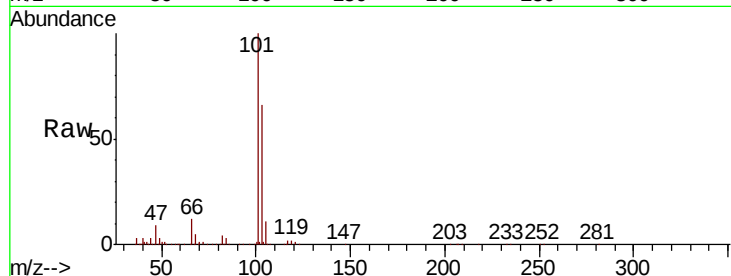
Trichlorofluoromethane
Concen: 52.186 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.01 min
Lab File: VD064518.D
Acq: 16 Dec 2019 11:27

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.5	49.8	74.6

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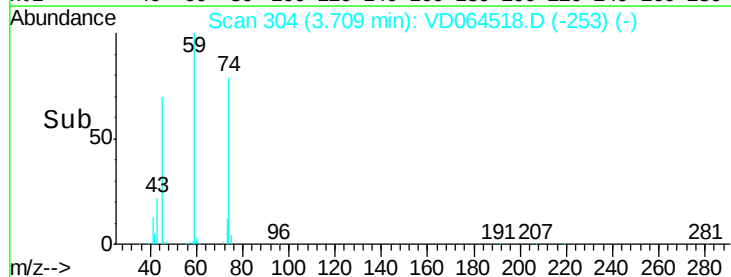
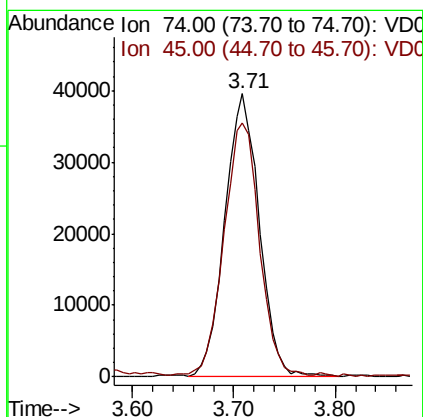
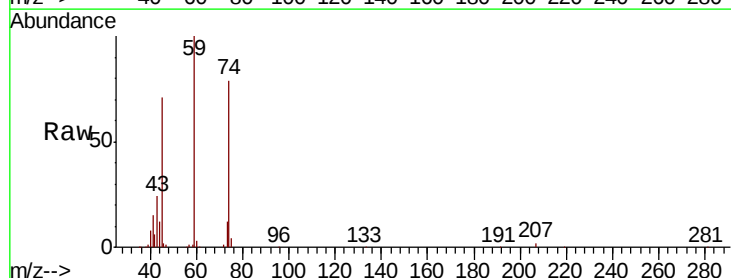
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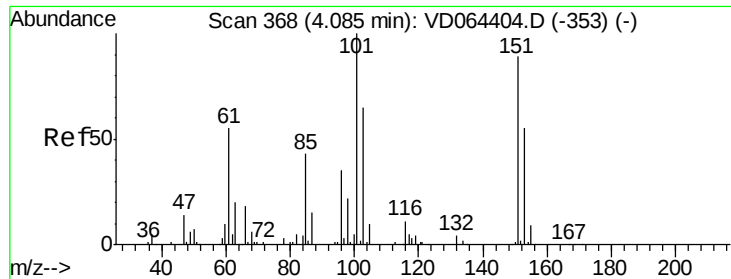


#8

Diethyl Ether
Concen: 47.623 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD064518.D
Acq: 16 Dec 2019 11:27

Tgt Ion	Ratio	Lower	Upper
74	100		
45	91.3	48.6	145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.361 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD064518.D

Acq: 16 Dec 2019 11:27

Instrument :

MSVOA_D

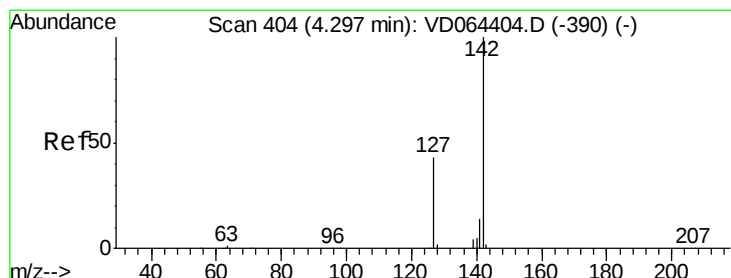
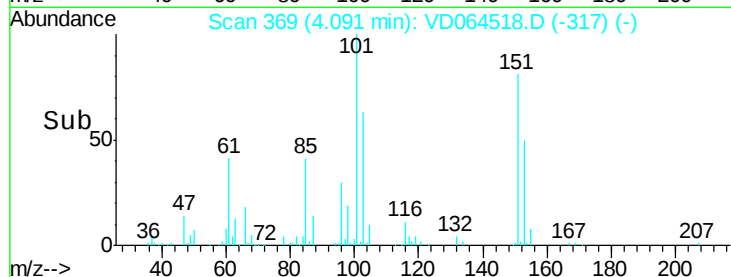
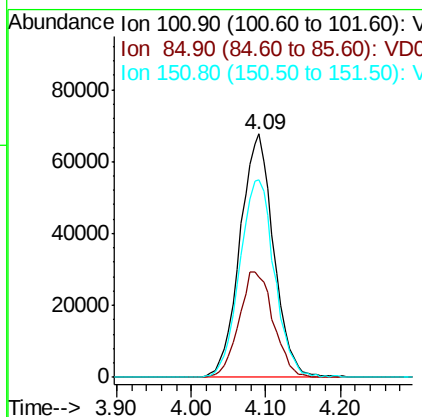
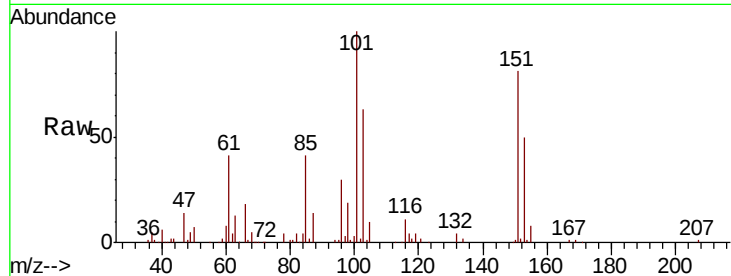
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	211897
Ion Ratio	Lower	Upper	
101	100		
85	44.2	34.8	52.2
151	83.9	68.8	103.2

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#10

Methyl Iodide

Concen: 55.495 ug/l

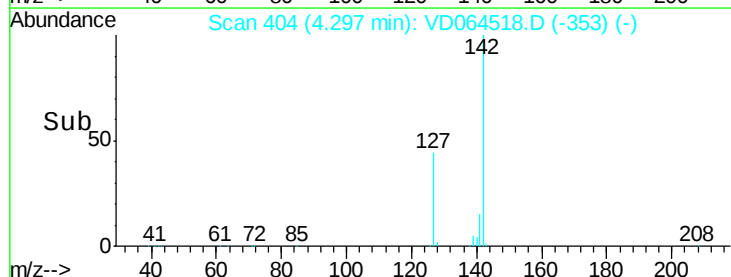
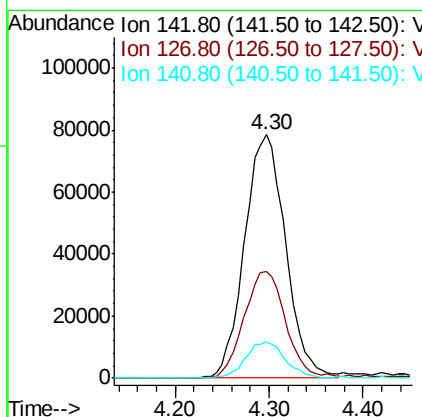
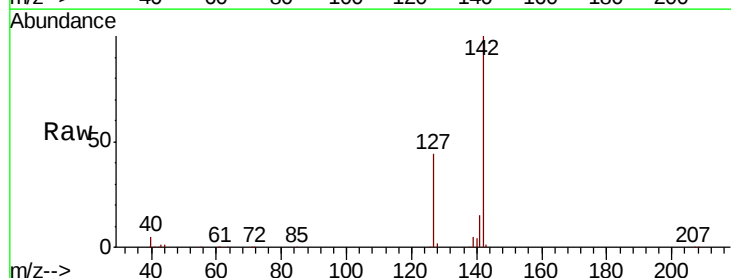
RT: 4.30 min Scan# 404

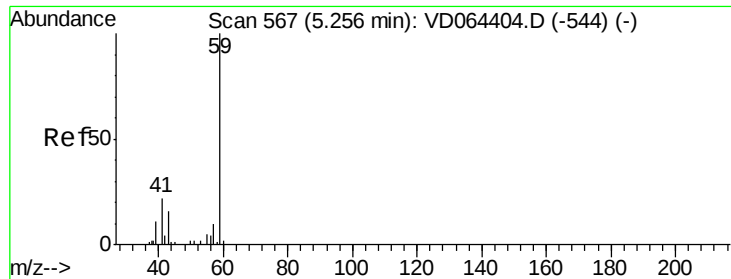
Delta R.T. -0.00 min

Lab File: VD064518.D

Acq: 16 Dec 2019 11:27

Tgt Ion:	142	Resp:	237163
Ion Ratio	Lower	Upper	
142	100		
127	44.4	35.3	52.9
141	14.3	11.6	17.4





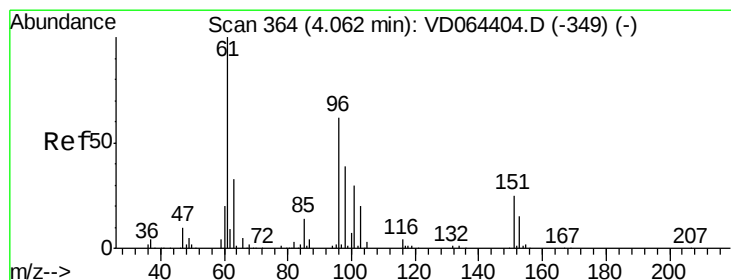
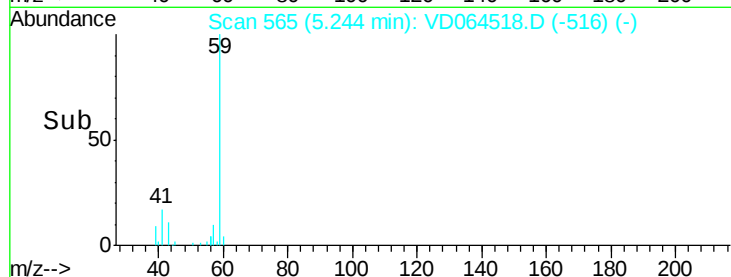
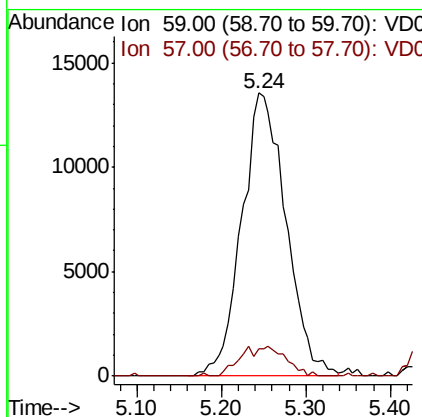
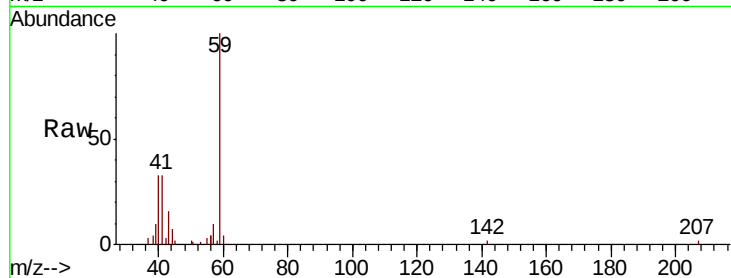
#11
Tert butyl alcohol
Concen: 198.871 ug/l
RT: 5.24 min Scan# 565
Delta R.T. -0.01 min
Lab File: VD064518.D
Acq: 16 Dec 2019 11:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	59.00 (58.70 to 59.70): VDC	Resp	49301
Ion	Ratio	Lower	Upper
59	100		
57	0.0	0.0	0.0

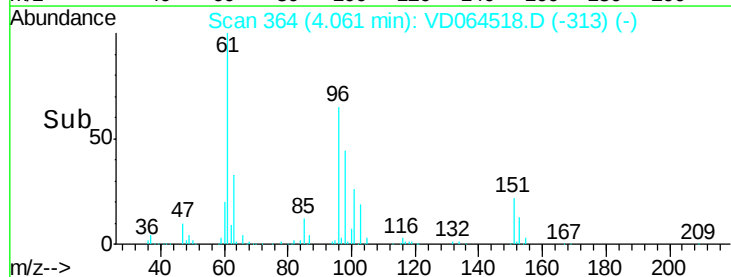
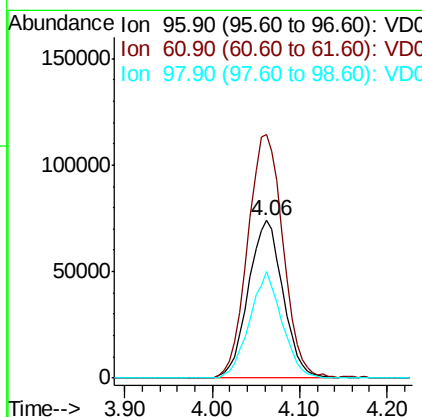
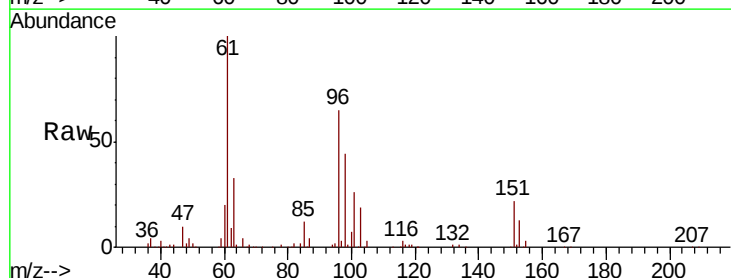
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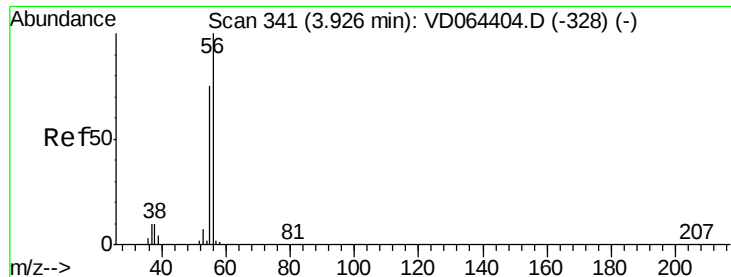
apatel
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#12
1,1-Dichloroethene
Concen: 51.645 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.00 min
Lab File: VD064518.D
Acq: 16 Dec 2019 11:27

Tgt Ion	96	Resp	200288
Ion	Ratio	Lower	Upper
96	100		
61	154.8	128.2	192.4
98	68.2	50.4	75.6





#13

Acrolein

Concen: 264.532 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD064518.D

Acq: 16 Dec 2019 11:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 89448

Ion Ratio Lower Upper

56 100

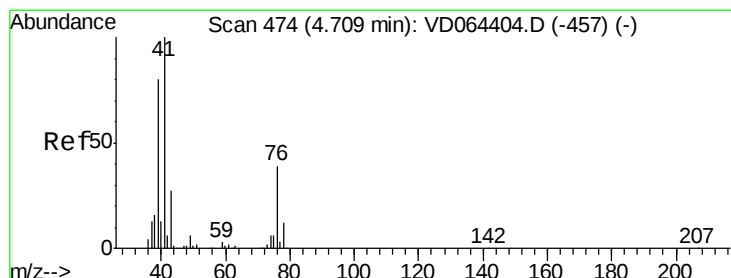
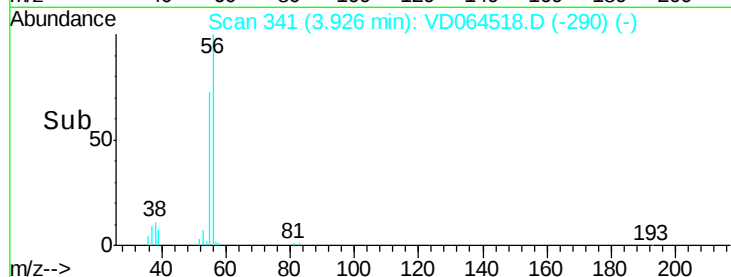
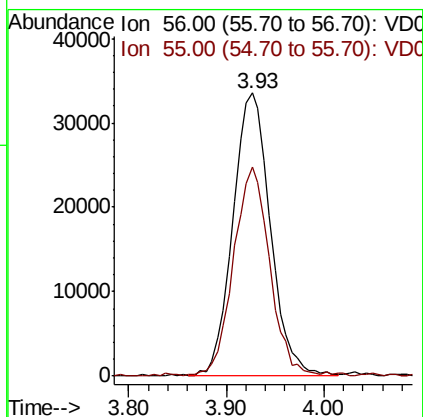
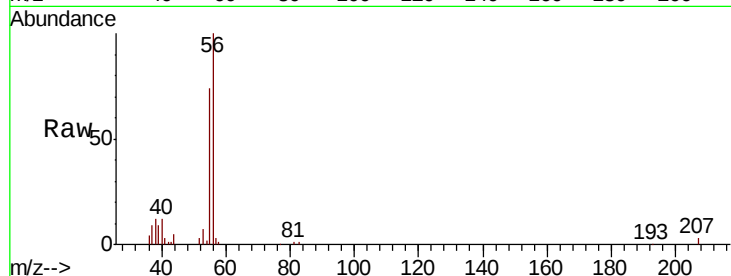
55 71.4 56.9 85.3

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#14

Allyl chloride

Concen: 52.591 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD064518.D

Acq: 16 Dec 2019 11:27

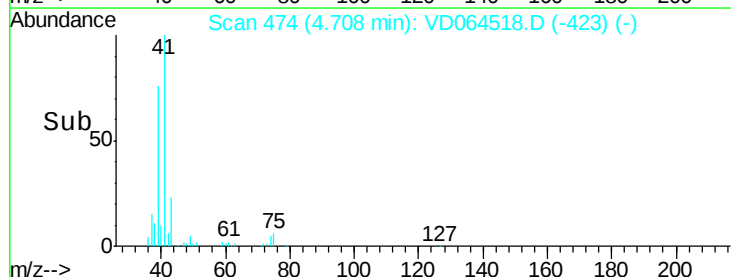
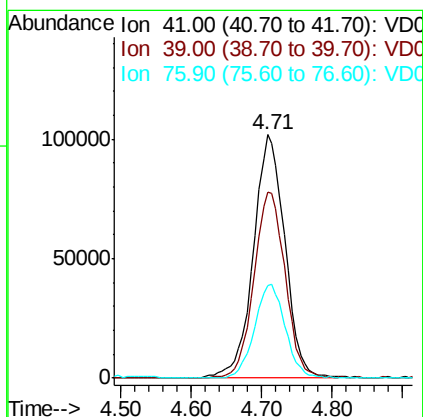
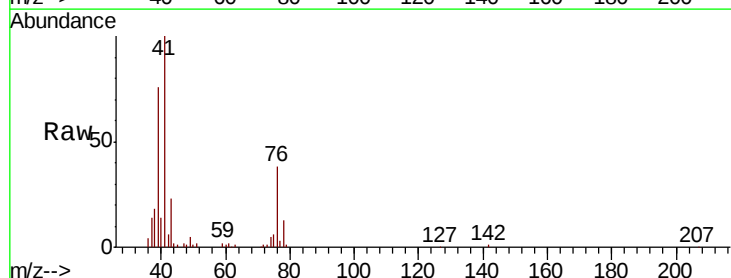
Tgt Ion: 41 Resp: 318299

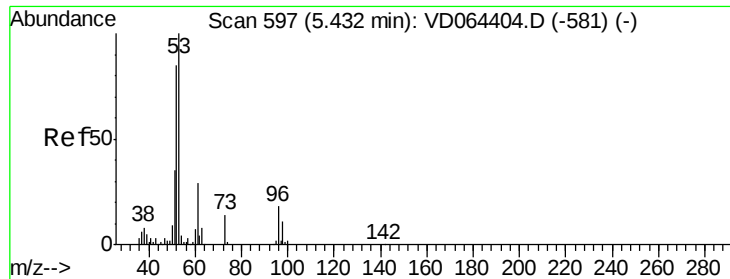
Ion Ratio Lower Upper

41 100

39 76.0 62.1 93.1

76 37.3 29.8 44.8





#15

Acrylonitrile

Concen: 223.063 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD064518.D

Acq: 16 Dec 2019 11:27

Instrument :

MSVOA_D

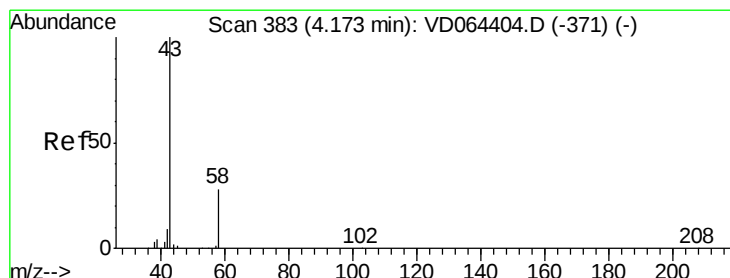
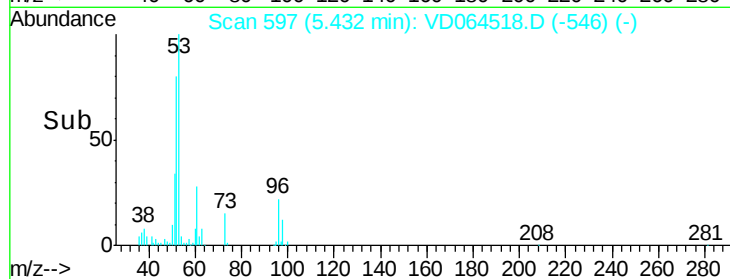
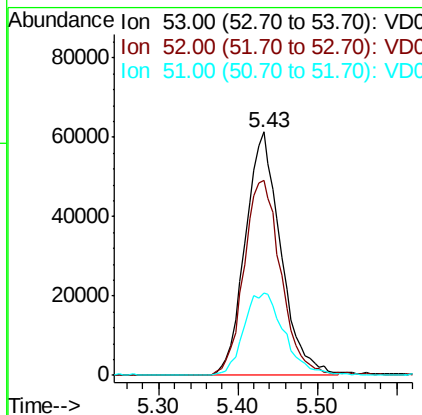
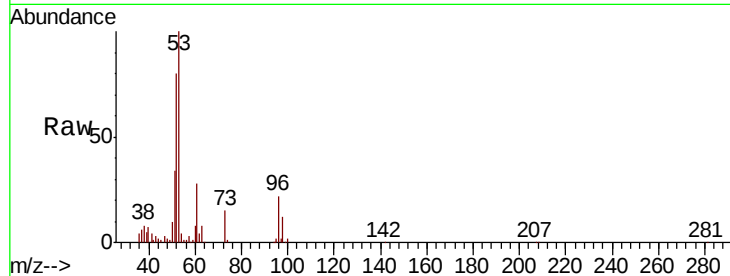
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	191309
Ion	Ratio	Lower	Upper
53	100		
52	83.2	67.9	101.9
51	38.5	30.6	45.8

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#16

Acetone

Concen: 290.654 ug/l

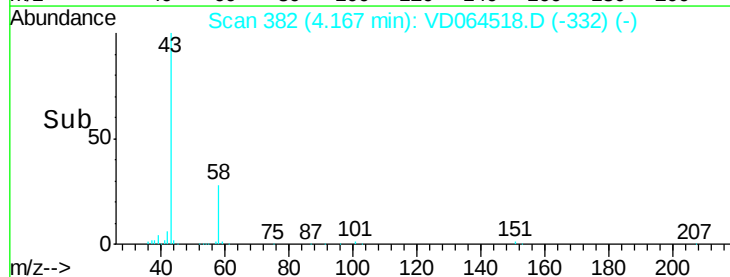
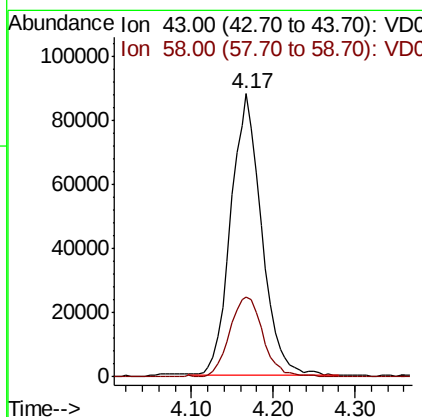
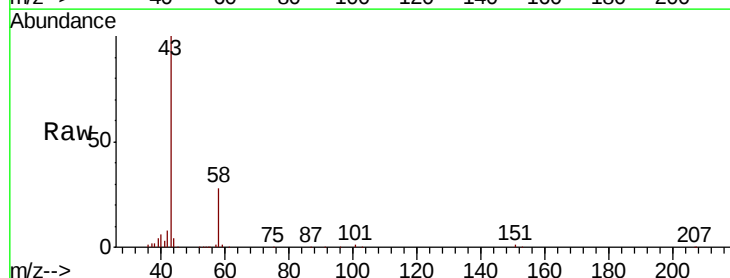
RT: 4.17 min Scan# 382

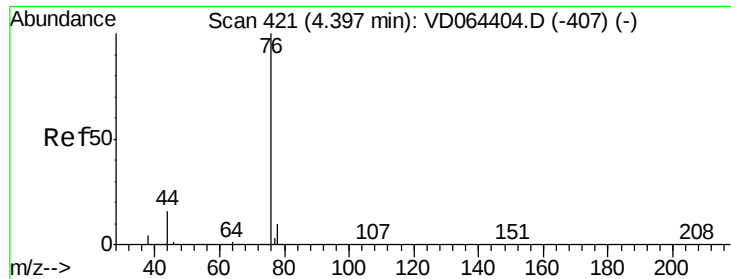
Delta R.T. -0.01 min

Lab File: VD064518.D

Acq: 16 Dec 2019 11:27

Tgt Ion:	43	Resp:	228744
Ion	Ratio	Lower	Upper
43	100		
58	28.1	22.6	33.8





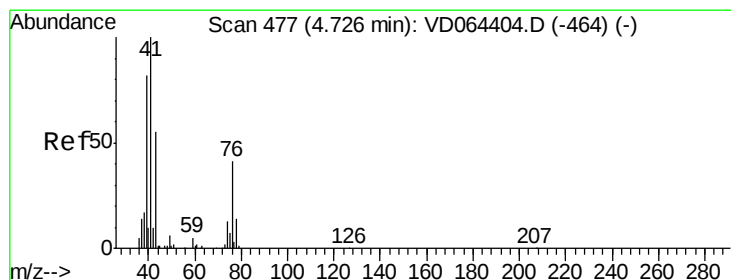
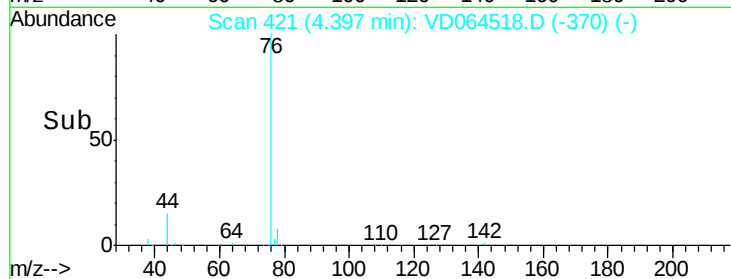
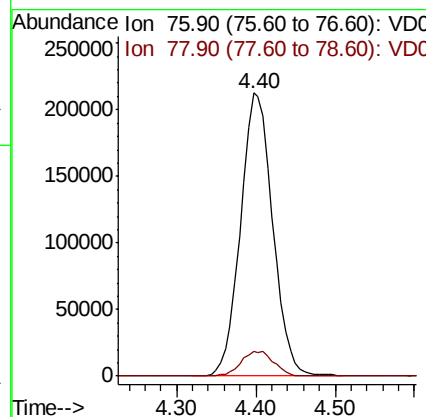
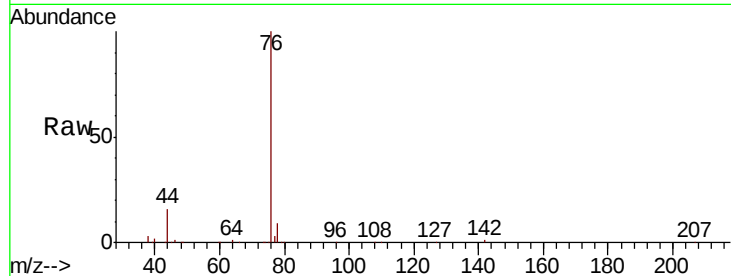
#17
Carbon Disulfide
Concen: 48.777 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.00 min
Lab File: VD064518.D
Acq: 16 Dec 2019 11:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.8	11.8

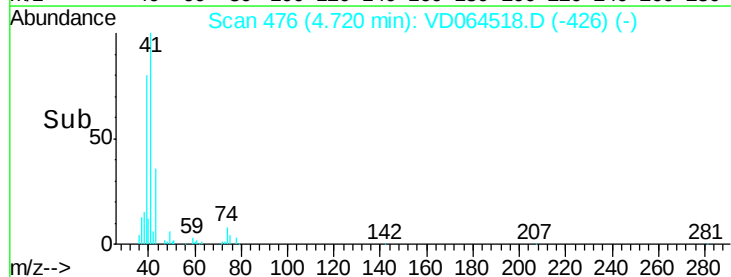
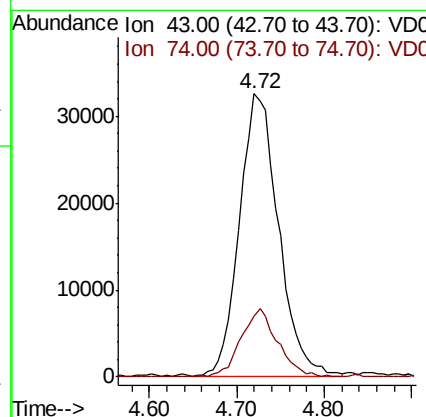
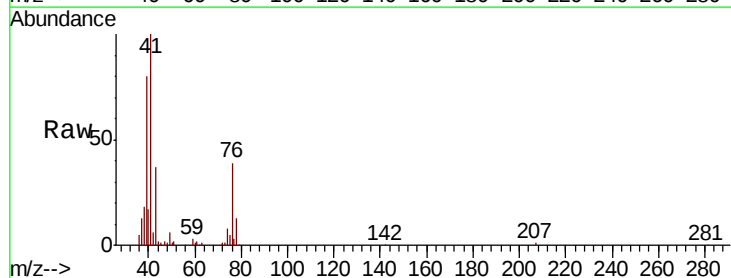
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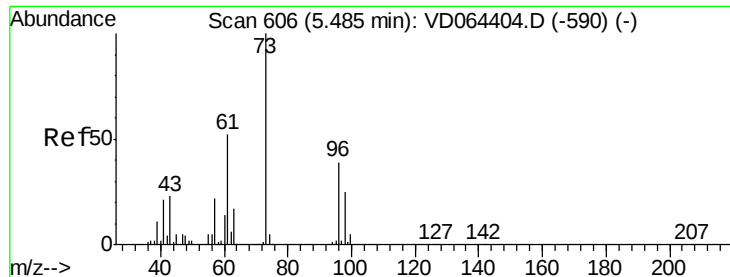
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#18
Methyl Acetate
Concen: 43.285 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD064518.D
Acq: 16 Dec 2019 11:27

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.3	19.7	29.5





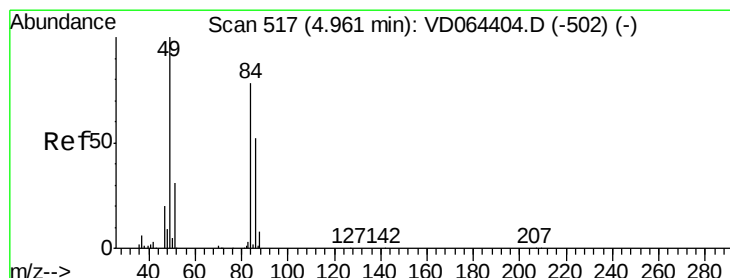
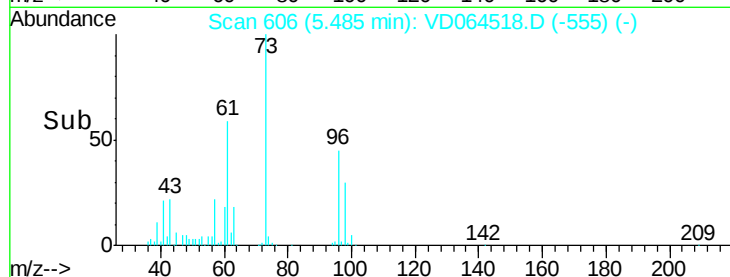
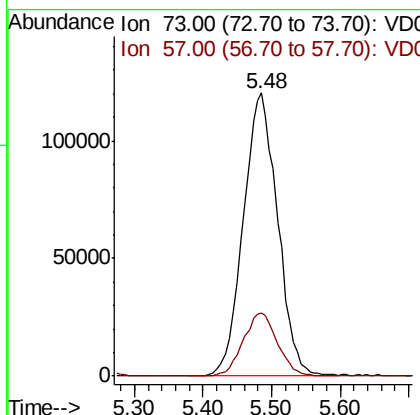
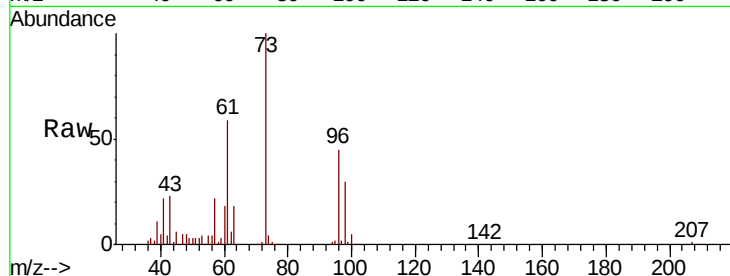
#19
Methvl tert-butvl Ether
Concen: 47.002 ug/l
RT: 5.48 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD064518.D
Acq: 16 Dec 2019 11:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 418130
Ion Ratio Lower Upper
73 100
57 22.0 17.6 26.4

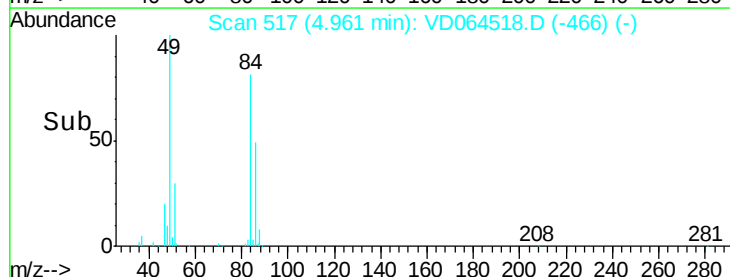
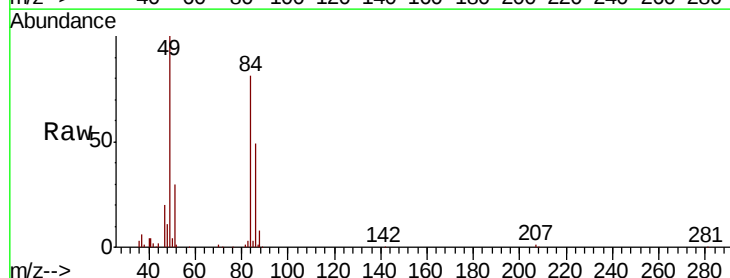
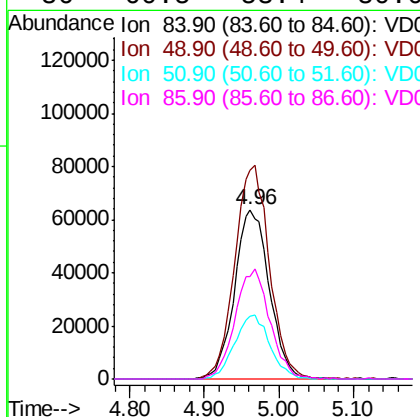
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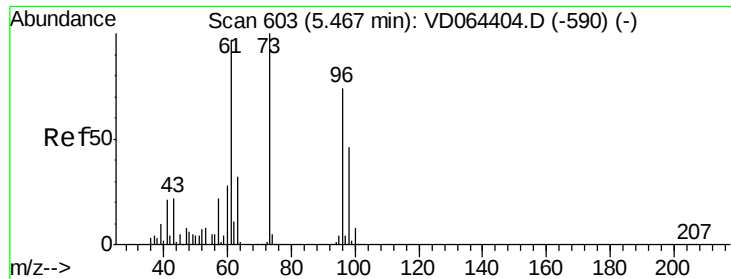
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#20
Methylene Chloride
Concen: 51.618 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064518.D
Acq: 16 Dec 2019 11:27

Tgt Ion: 84 Resp: 205834
Ion Ratio Lower Upper
84 100
49 123.5 102.6 153.8
51 37.2 32.0 48.0
86 60.5 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 51.067 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD064518.D

Acq: 16 Dec 2019 11:27

Instrument :

MSVOA_D

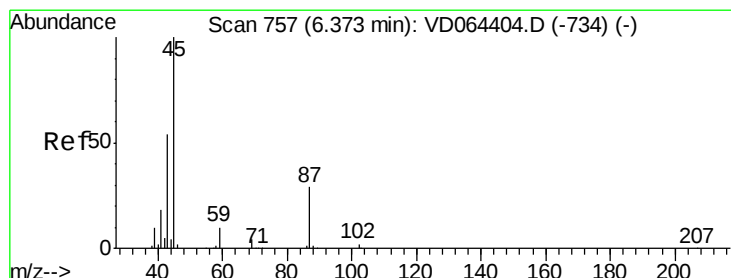
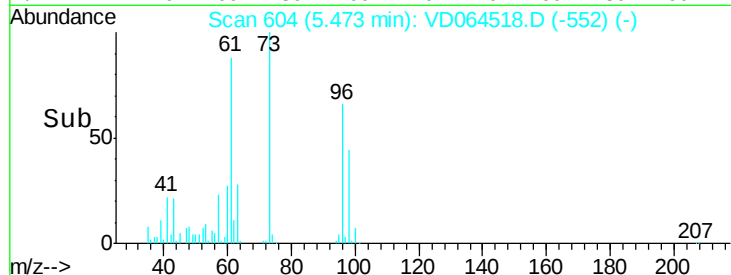
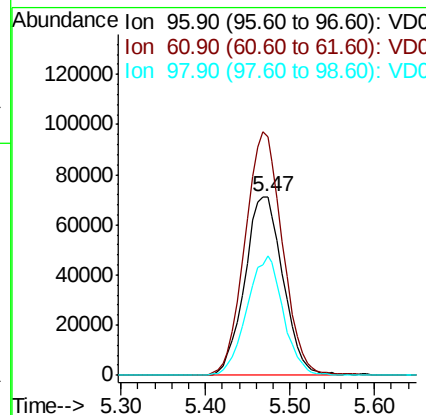
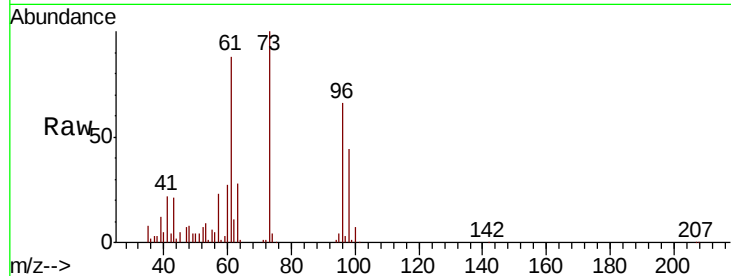
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	224019
Ion	Ratio	Lower	Upper
96	100		
61	133.1	105.8	158.6
98	66.9	50.1	75.1

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#22

Diisopropyl ether

Concen: 50.464 ug/l

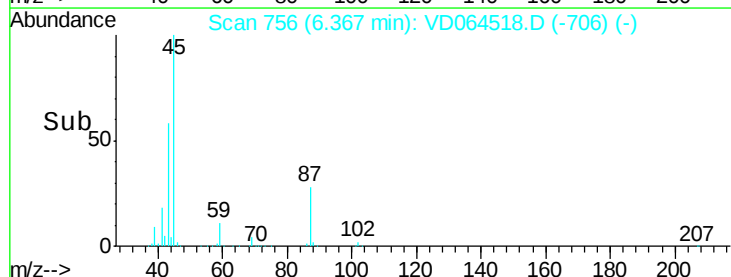
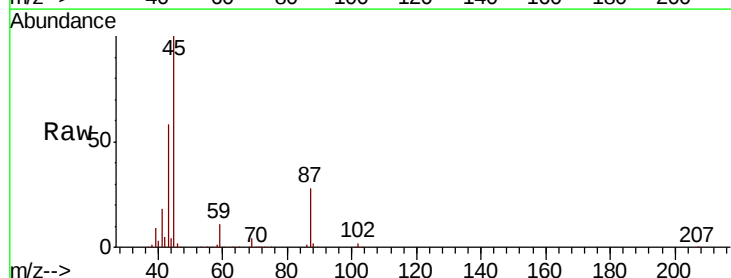
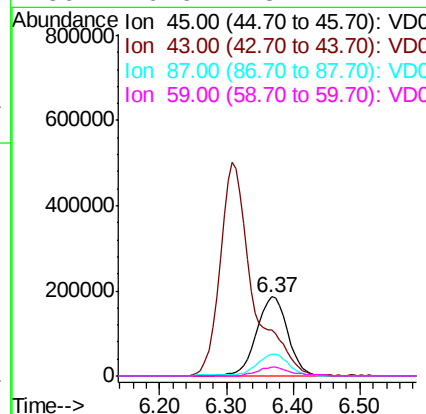
RT: 6.37 min Scan# 756

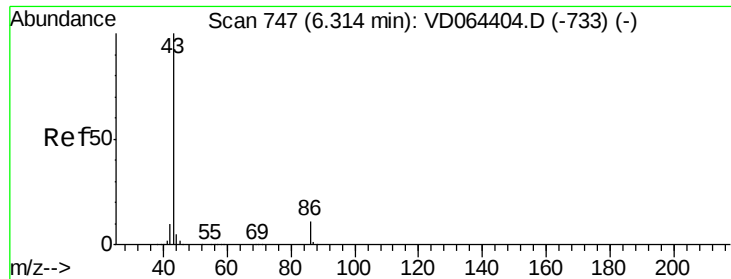
Delta R.T. -0.01 min

Lab File: VD064518.D

Acq: 16 Dec 2019 11:27

Tgt Ion:	45	Resp:	602949
Ion	Ratio	Lower	Upper
45	100		
43	57.3	43.1	64.7
87	28.0	23.5	35.3
59	10.6	8.2	12.2





#23

Vinyl Acetate

Concen: 241.690 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064518.D

Acq: 16 Dec 2019 11:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1702426

Ion Ratio Lower Upper

43 100

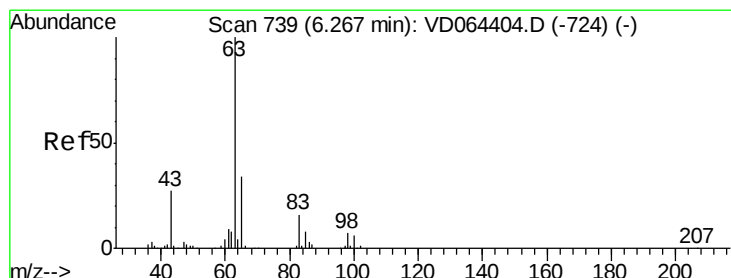
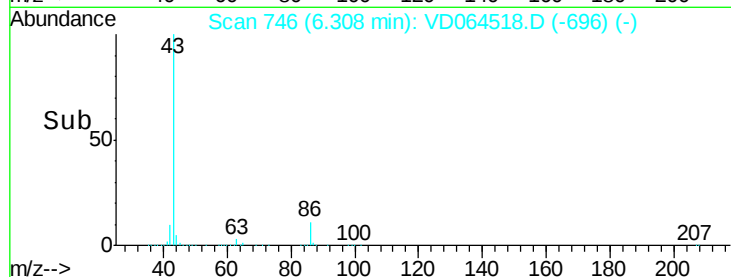
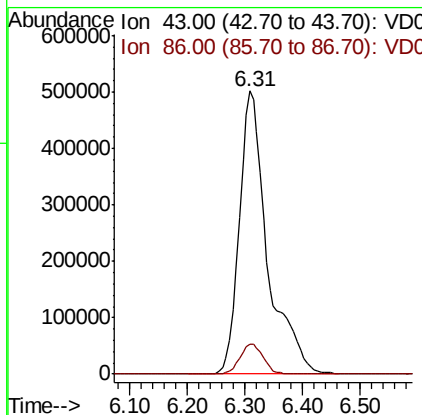
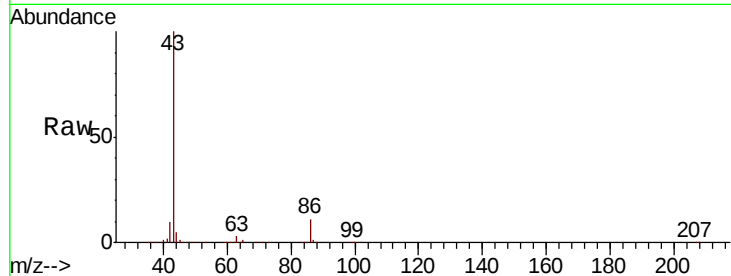
86 10.7 8.9 13.3

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#24

1,1-Dichloroethane

Concen: 51.748 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD064518.D

Acq: 16 Dec 2019 11:27

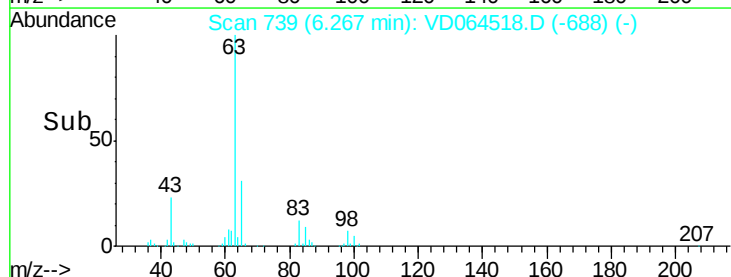
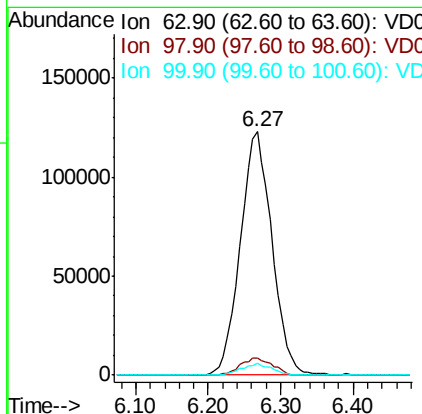
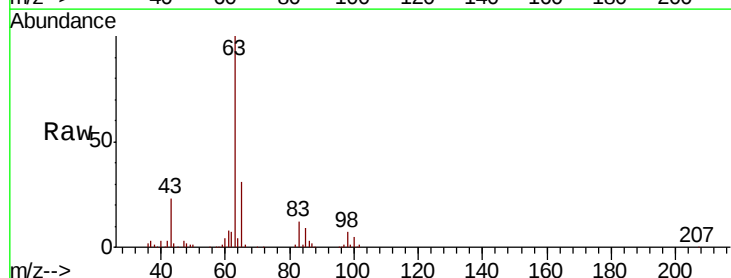
Tgt Ion: 63 Resp: 371834

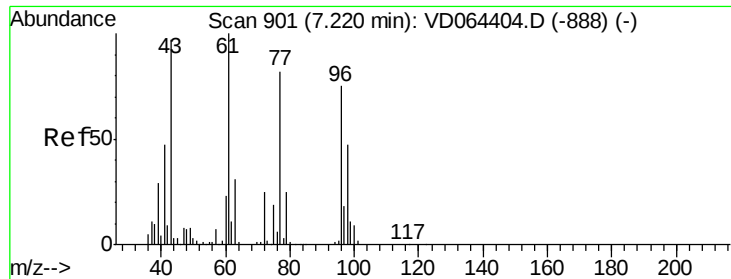
Ion Ratio Lower Upper

63 100

98 7.2 3.6 10.9

100 5.1 2.9 8.6





#25

2-Butanone

Concen: 229.543 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD064518.D

Acq: 16 Dec 2019 11:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 255477

Ion Ratio Lower Upper

43 100

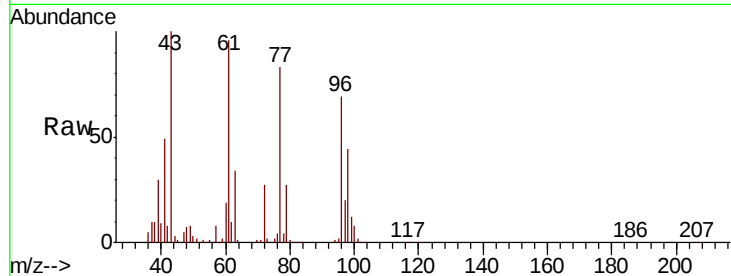
72 26.9 21.0 31.4

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

7.23

100000

80000

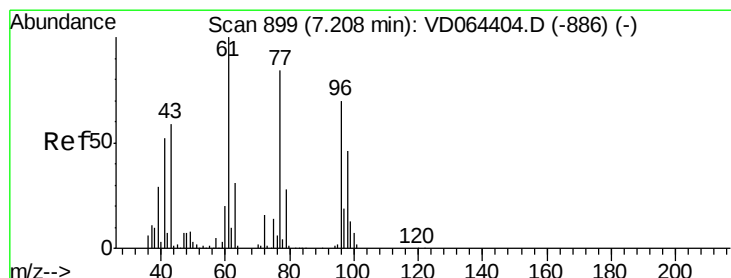
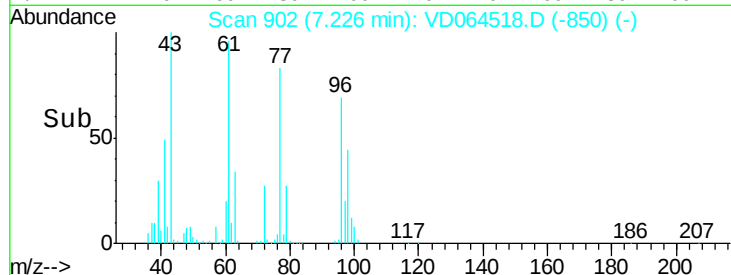
60000

40000

20000

0

Time-->



#26

2,2-Dichloropropane

Concen: 56.120 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD064518.D

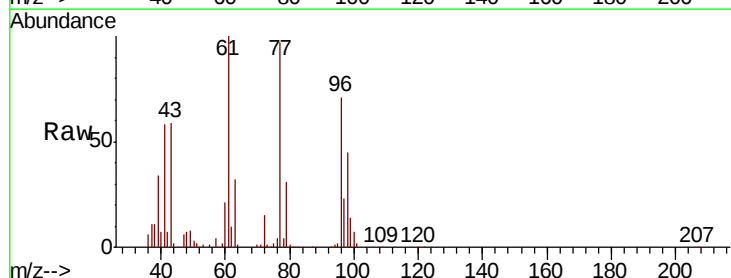
Acq: 16 Dec 2019 11:27

Tgt Ion: 77 Resp: 350687

Ion Ratio Lower Upper

77 100

97 22.6 11.6 34.7



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC

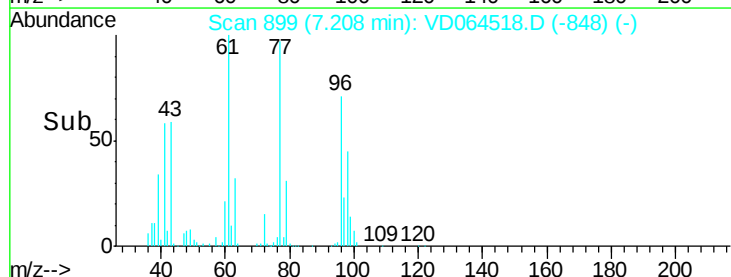
7.21

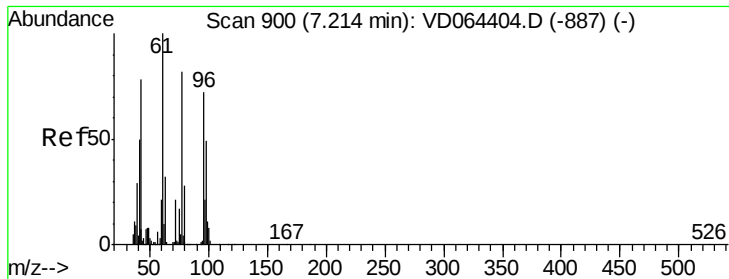
100000

50000

0

Time-->





#27

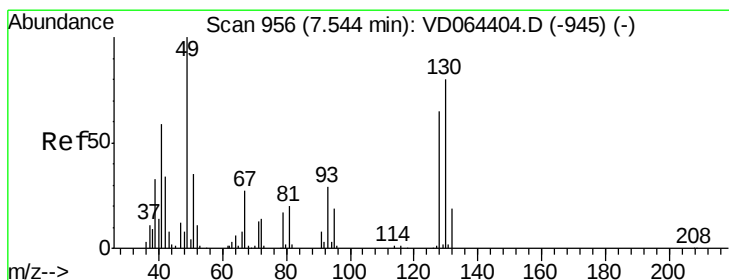
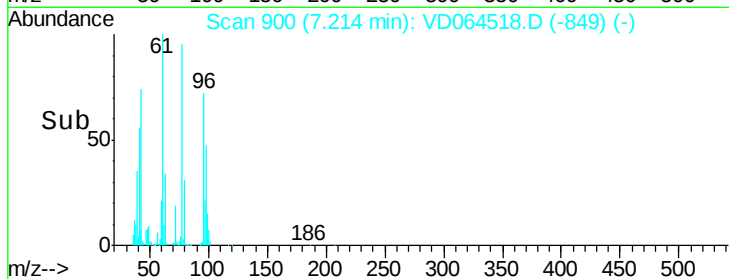
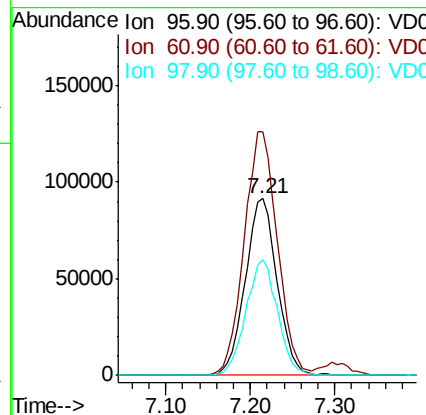
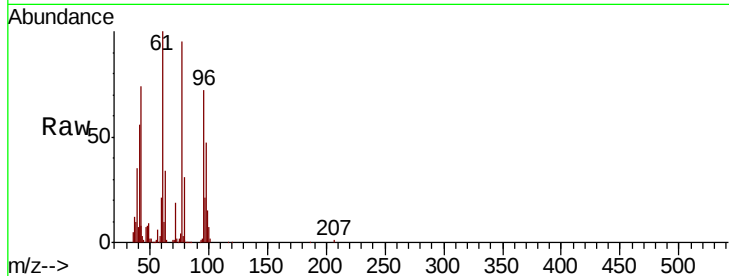
cis-1,2-Dichloroethene
Concen: 50.103 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD064518.D
Acq: 16 Dec 2019 11:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.4	0.0	279.6
98	64.7	0.0	129.2

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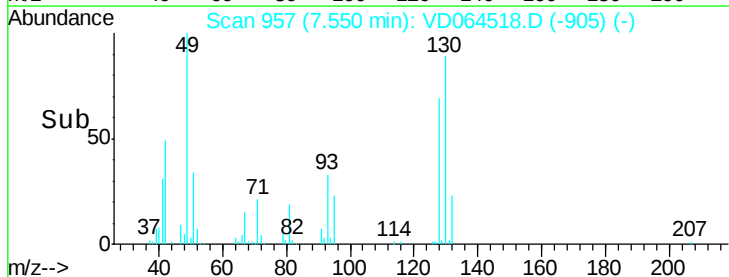
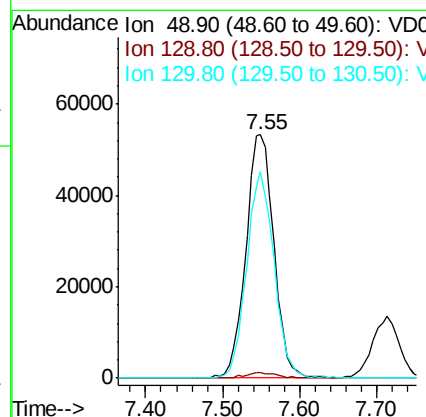
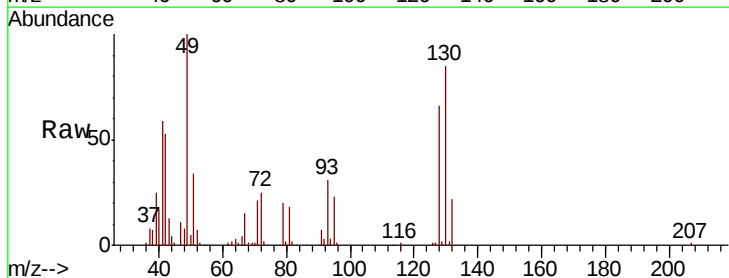
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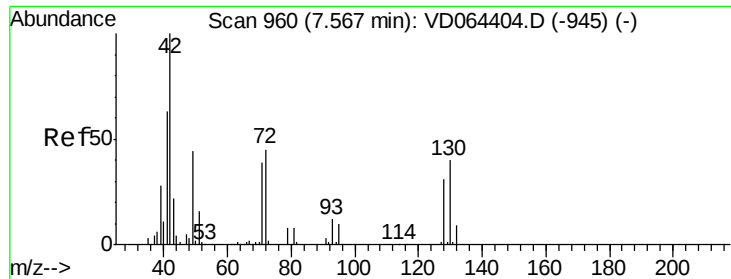


#28

Bromochloromethane
Concen: 55.270 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.01 min
Lab File: VD064518.D
Acq: 16 Dec 2019 11:27

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.4
130	83.0	67.4	101.0





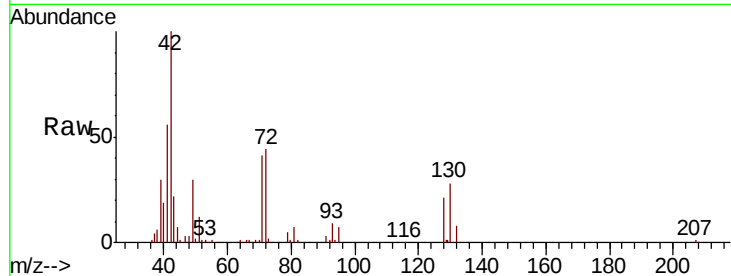
#29
Tetrahydrofuran
Concen: 214.517 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.01 min
Lab File: VD064518.D
Acq: 16 Dec 2019 11:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

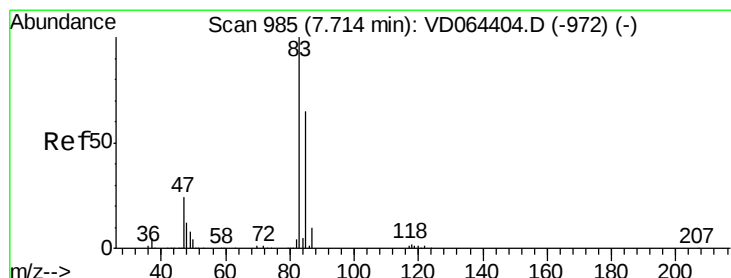
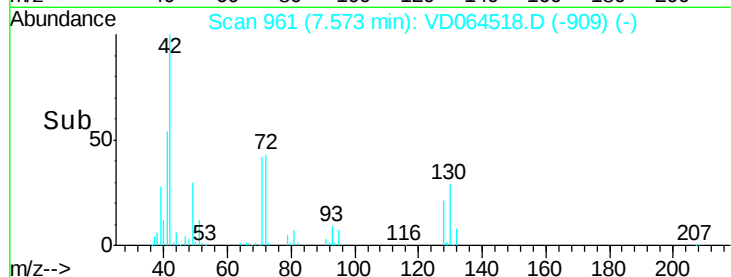
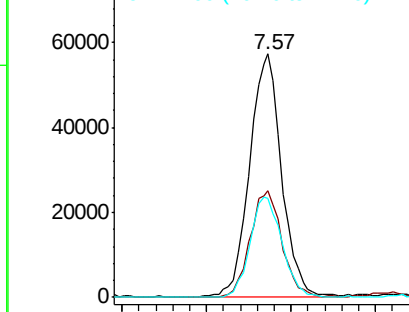
Tot Ion	Ratio	Lower	Upper
42	100		
72	43.4	35.8	53.8
71	40.9	32.7	49.1

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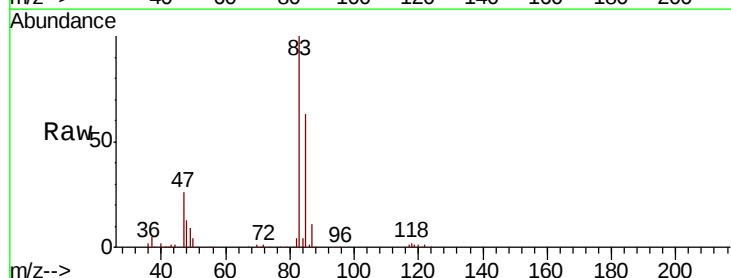


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

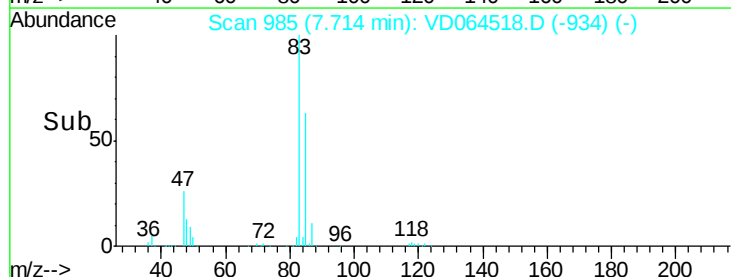
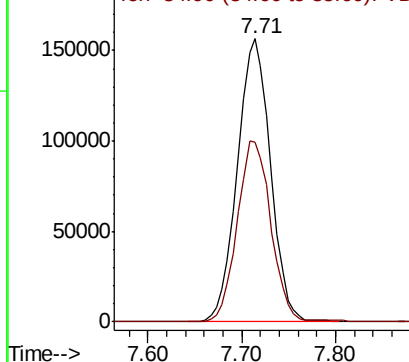


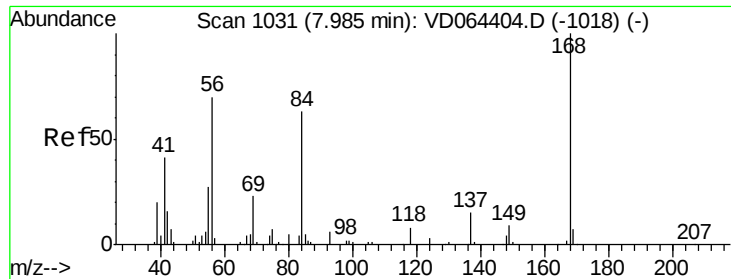
#30
Chloroform
Concen: 51.476 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD064518.D
Acq: 16 Dec 2019 11:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.8	77.6



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





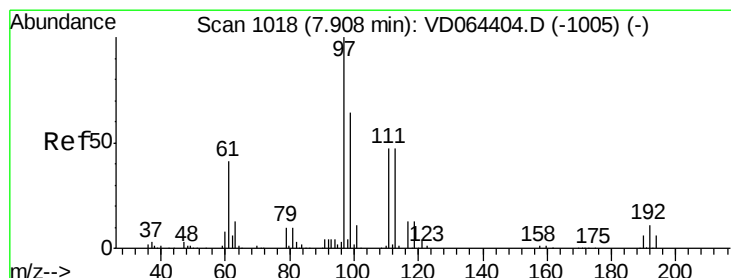
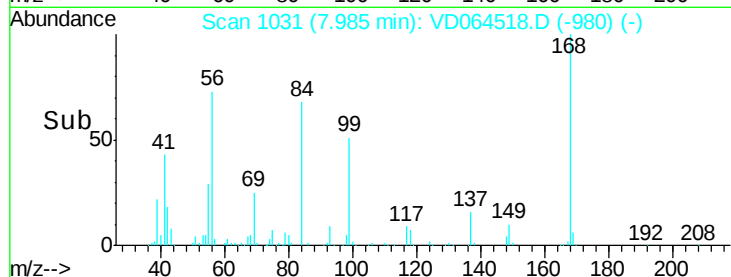
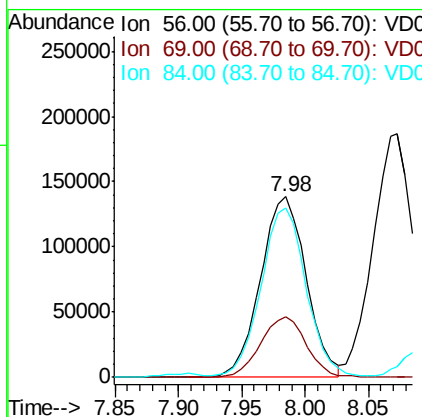
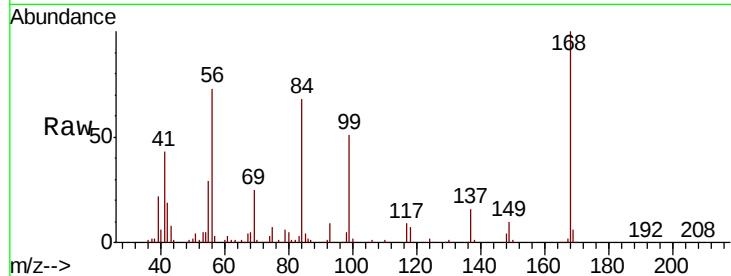
#31
Cyclohexane
Concen: 55.890 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064518.D
Acq: 16 Dec 2019 11:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.8	26.2	39.4
84	92.1	70.3	105.5

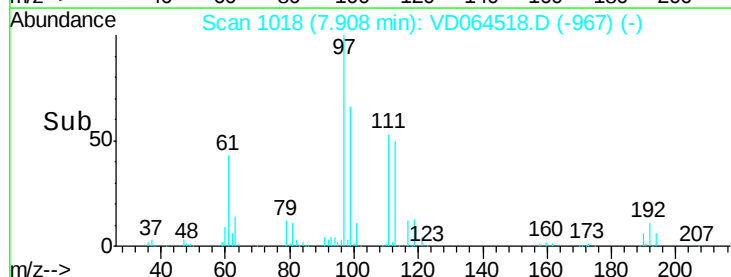
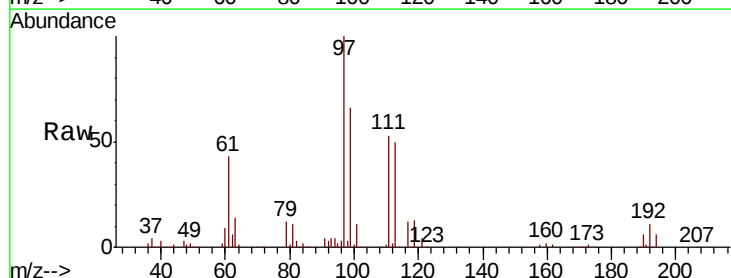
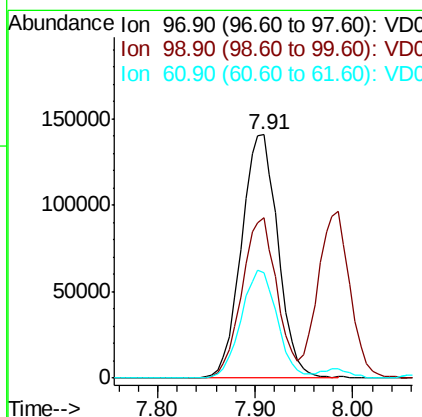
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#32
1,1,1-Trichloroethane
Concen: 53.275 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VD064518.D
Acq: 16 Dec 2019 11:27

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.5	51.4	77.2
61	43.7	35.0	52.4





#33

1,2-Dichloroethane-d4

Concen: 49.624 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD064518.D

Acq: 16 Dec 2019 11:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 193259

Ion Ratio Lower Upper

65 100

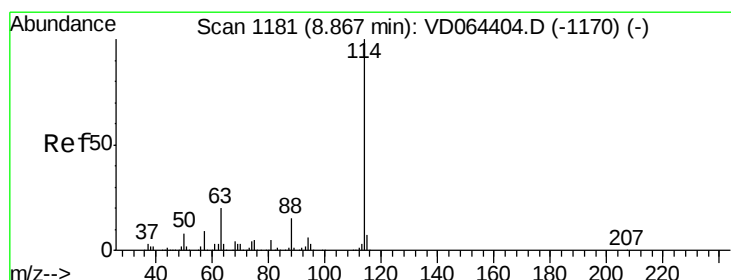
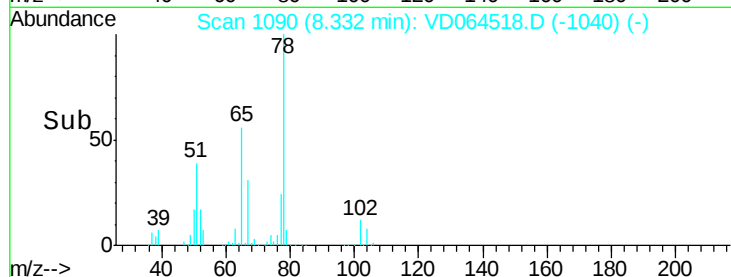
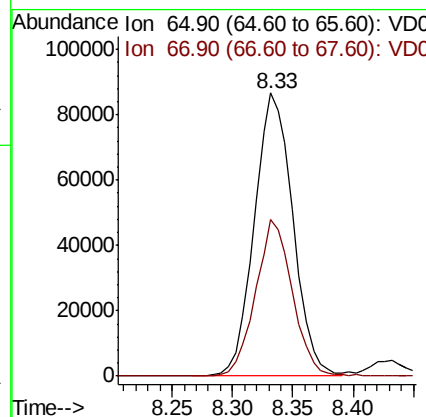
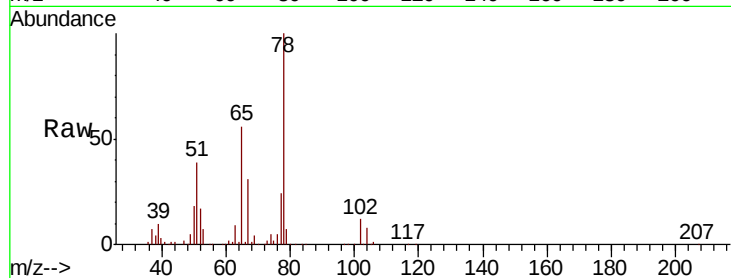
67 52.8 0.0 102.0

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD064518.D

Acq: 16 Dec 2019 11:27

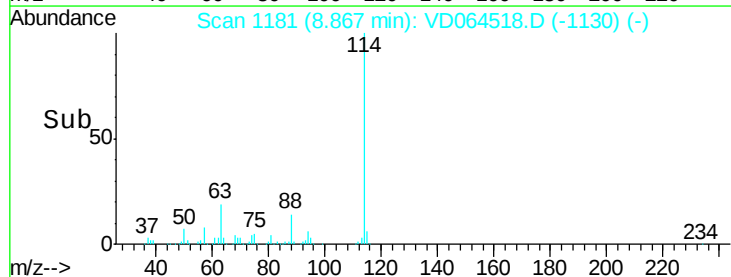
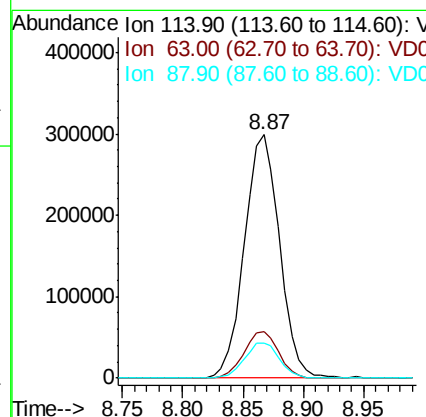
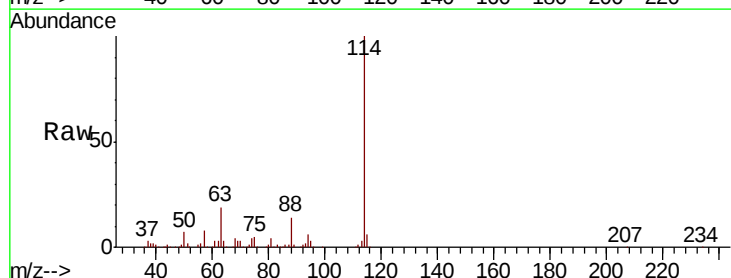
Tgt Ion: 114 Resp: 608047

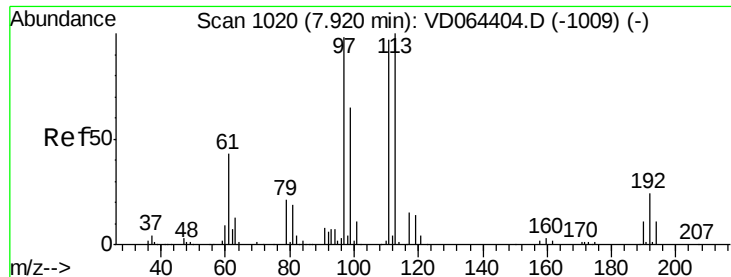
Ion Ratio Lower Upper

114 100

63 19.3 0.0 40.0

88 14.3 0.0 29.2





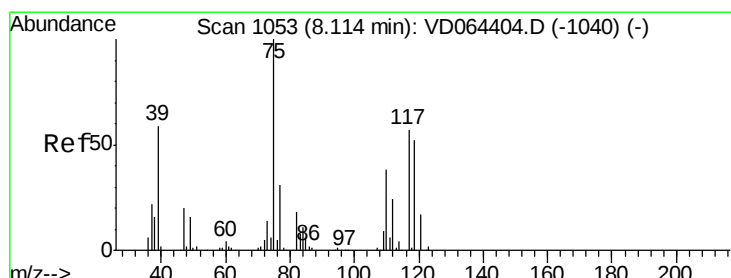
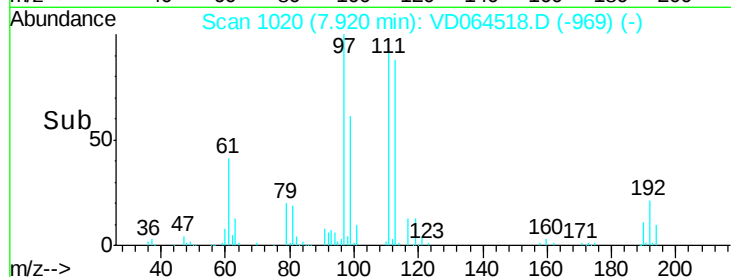
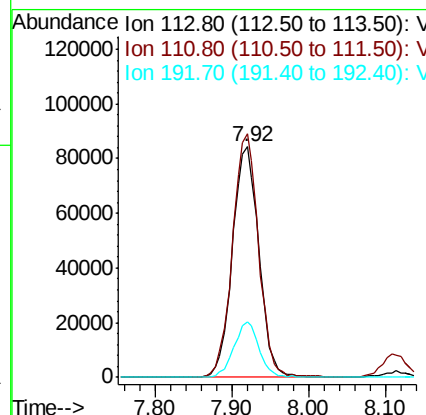
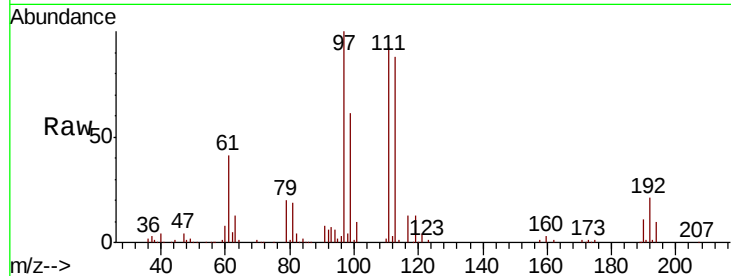
#35
 Dibromofluoromethane
 Concen: 52.981 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD064518.D
 Acq: 16 Dec 2019 11:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	202969		
111	103.4	79.4	119.2	
192	22.9	18.6	28.0	

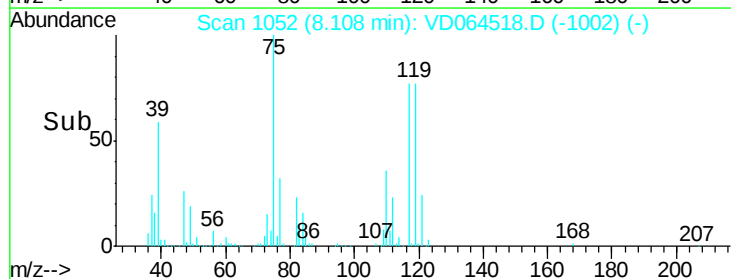
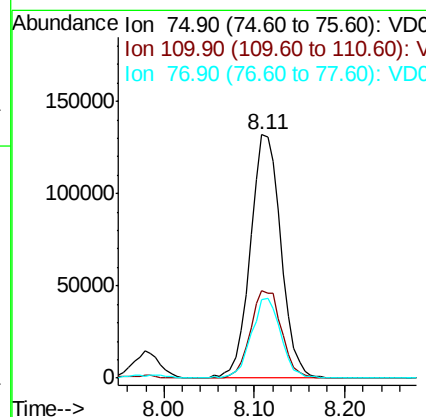
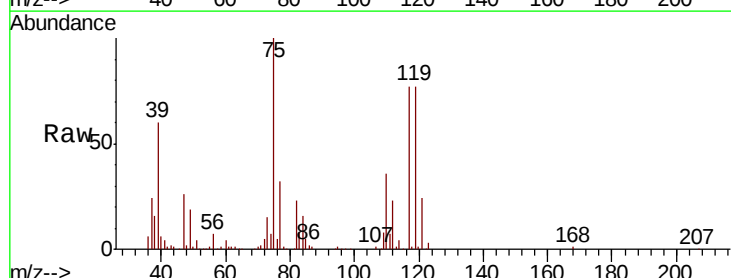
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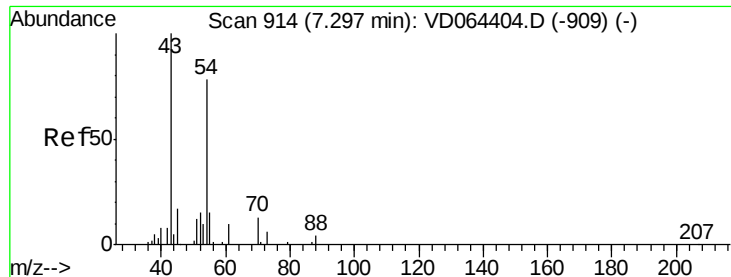
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#36
 1,1-Dichloropropene
 Concen: 53.597 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD064518.D
 Acq: 16 Dec 2019 11:27

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	308255		
110	36.6	18.6	55.8	
77	31.9	25.0	37.4	





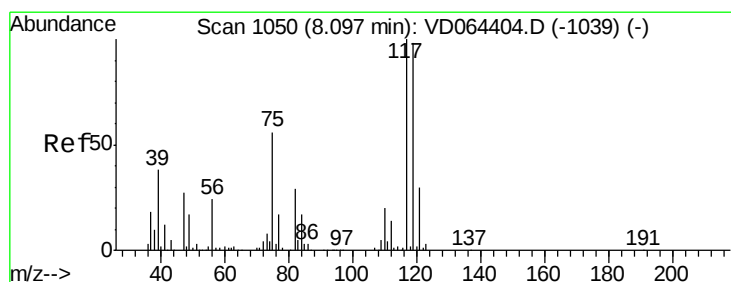
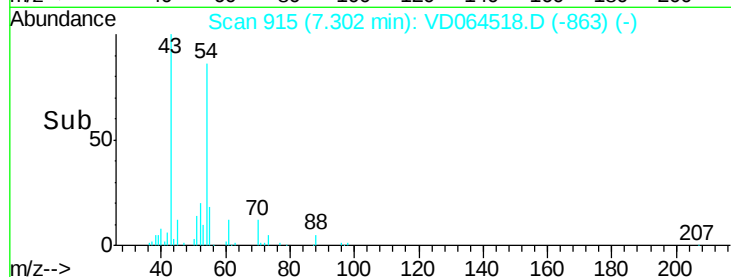
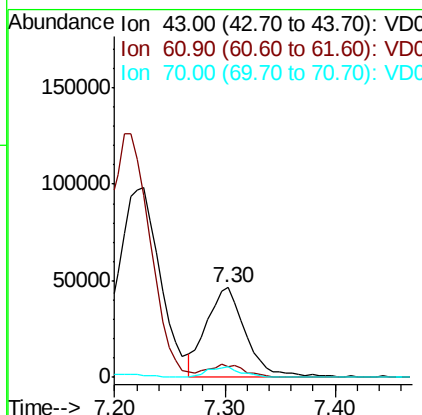
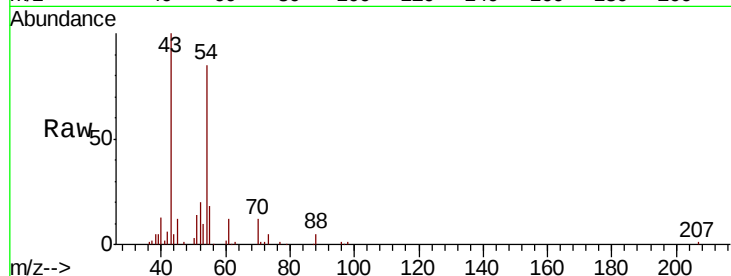
#37
Ethyl Acetate
Concen: 45.647 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064518.D
Acq: 16 Dec 2019 11:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	10.9	16.3
70	10.7	8.3	12.5

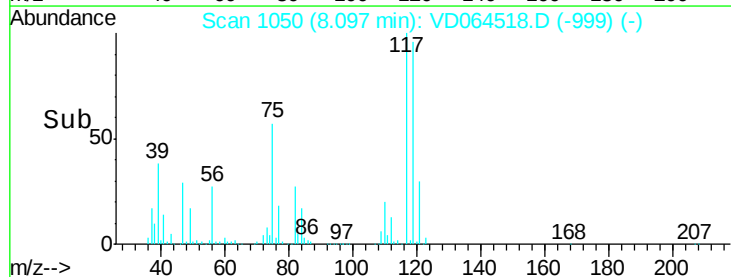
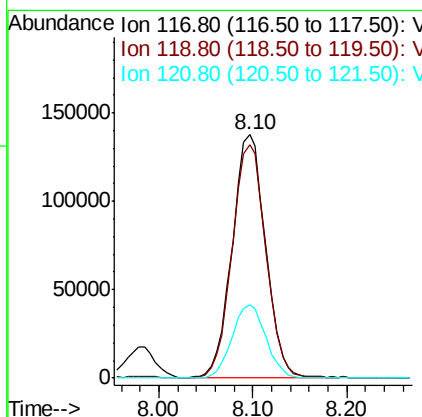
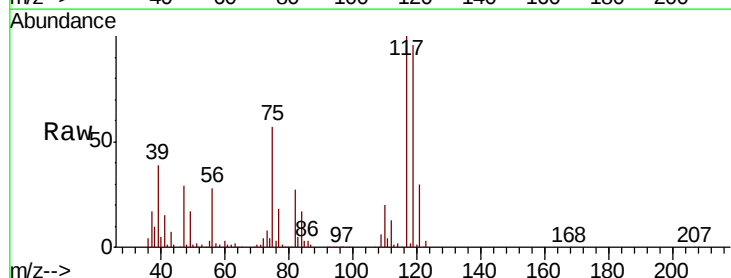
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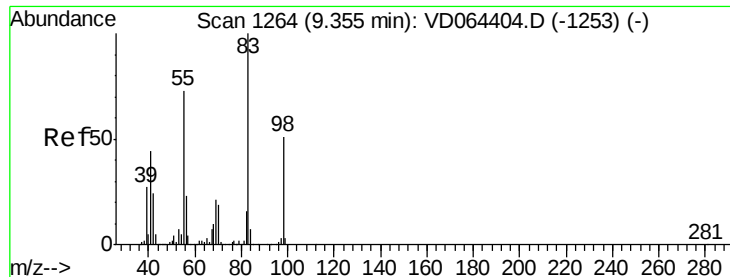
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#38
Carbon Tetrachloride
Concen: 55.808 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD064518.D
Acq: 16 Dec 2019 11:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.1	78.8	118.2
121	30.0	24.2	36.2





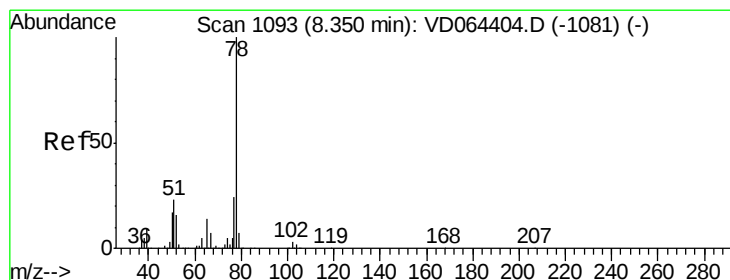
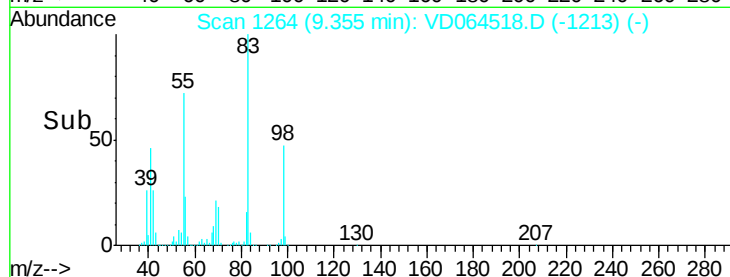
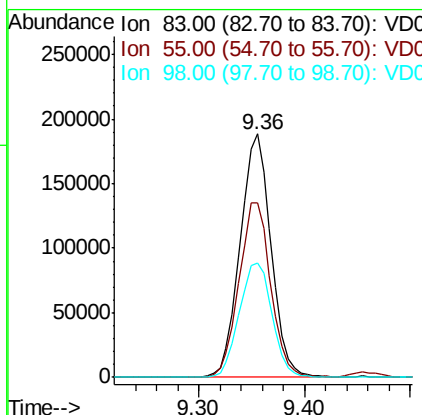
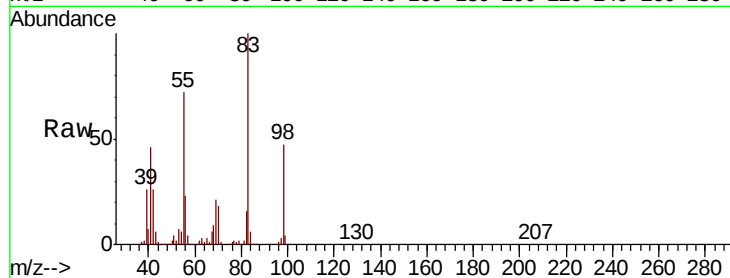
#39
Methvlcvclohexane
Concen: 53.641 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064518.D
Acq: 16 Dec 2019 11:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.8	58.6	87.8
98	47.2	40.9	61.3

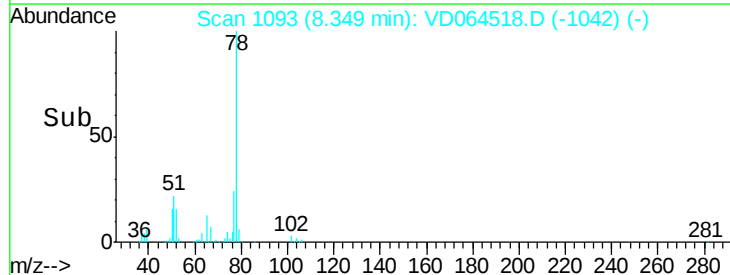
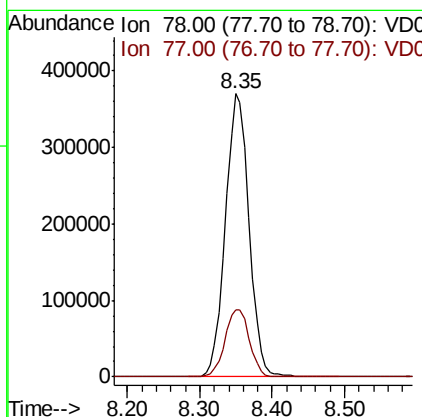
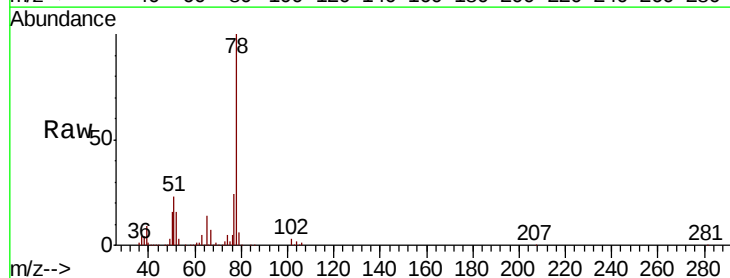
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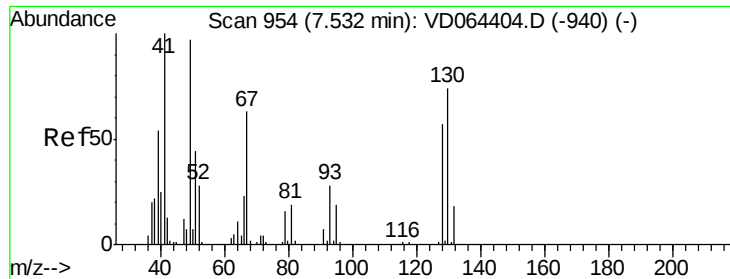
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#40
Benzene
Concen: 52.415 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD064518.D
Acq: 16 Dec 2019 11:27

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.6	29.4





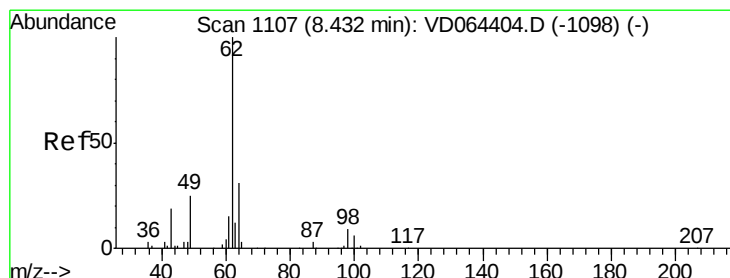
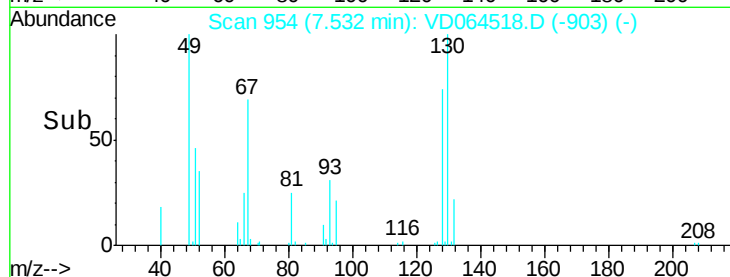
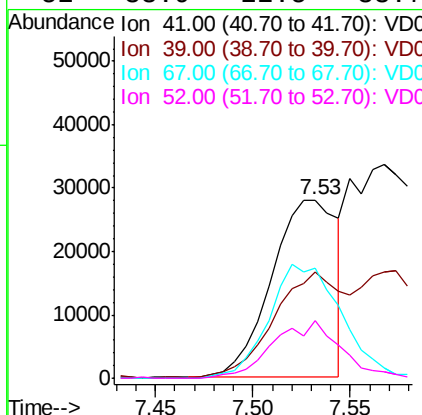
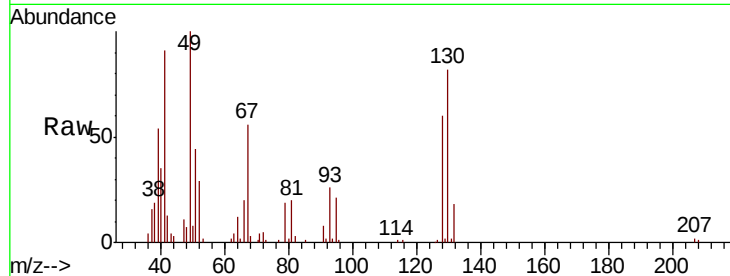
#41
Methacrylonitrile
Concen: 46.547 ug/l
RT: 7.53 min Scan# 954
Delta R.T. -0.00 min
Lab File: VD064518.D
Acq: 16 Dec 2019 11:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	64.8	44.6	67.0
67	71.3	50.9	76.3
52	33.9	22.5	33.7#

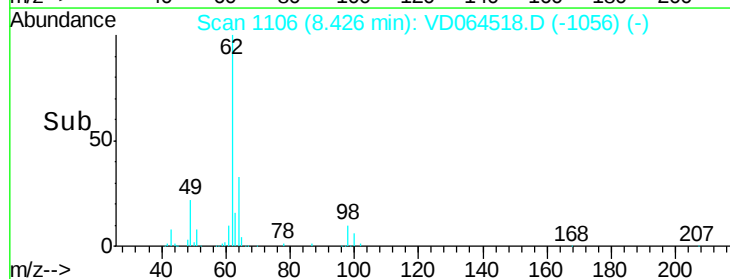
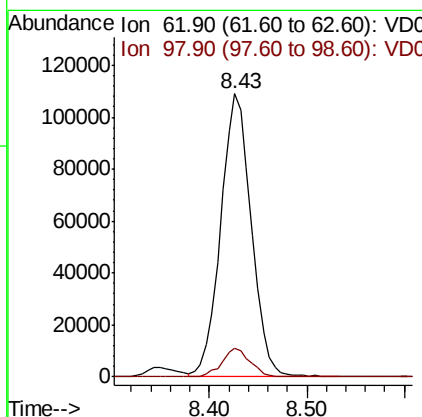
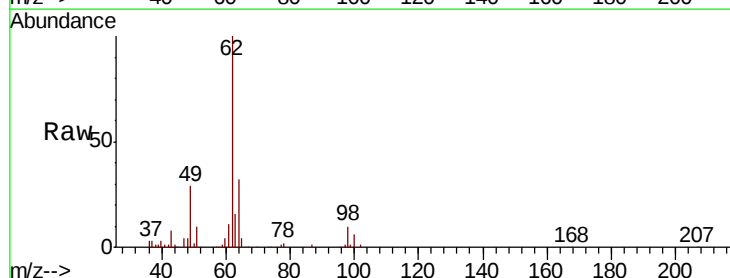
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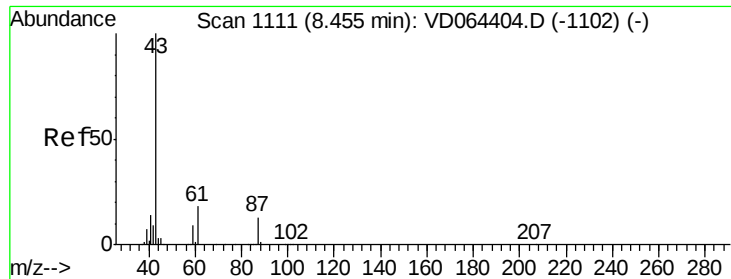
apatel
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#42
1,2-Dichloroethane
Concen: 50.744 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD064518.D
Acq: 16 Dec 2019 11:27

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	20.6





#43

Isopropyl Acetate

Concen: 46.743 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD064518.D

Acq: 16 Dec 2019 11:27

Instrument :

MSVOA_D

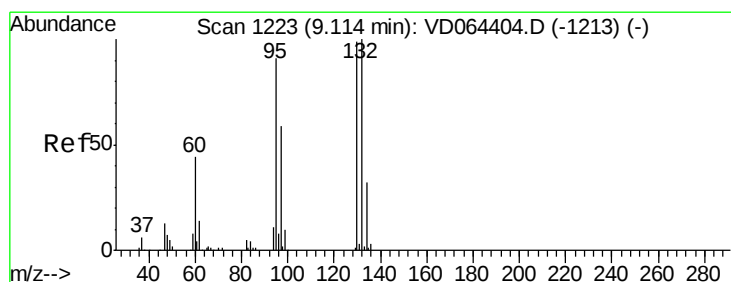
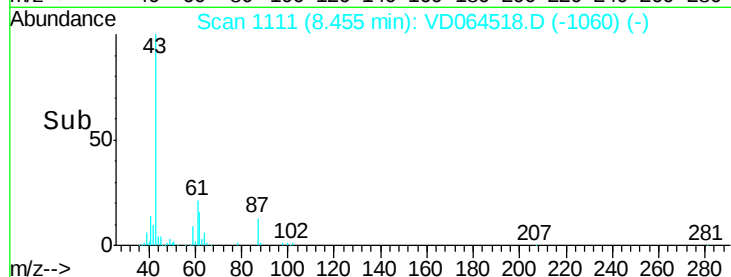
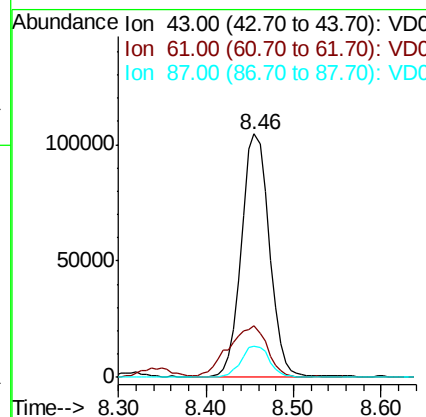
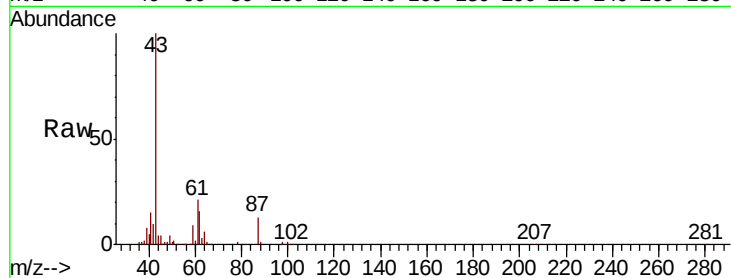
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	224288
Ion	Ratio	Lower	Upper
43	100		
61	29.9	24.0	36.0
87	13.1	10.6	15.8

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#44

Trichloroethene

Concen: 52.313 ug/l

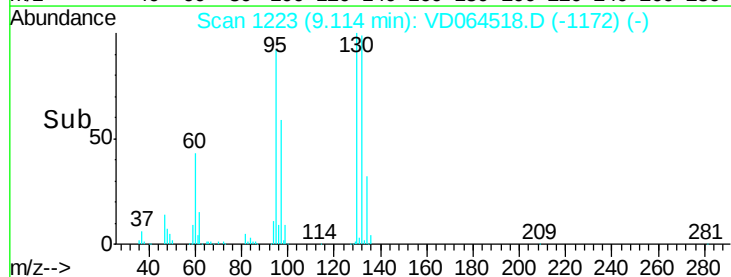
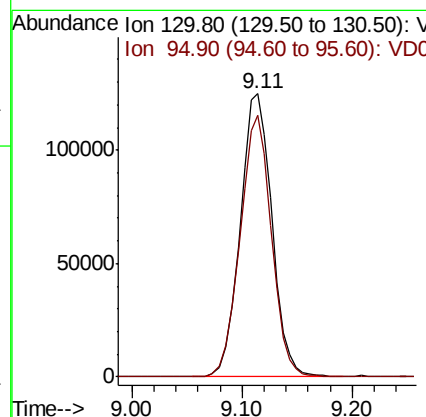
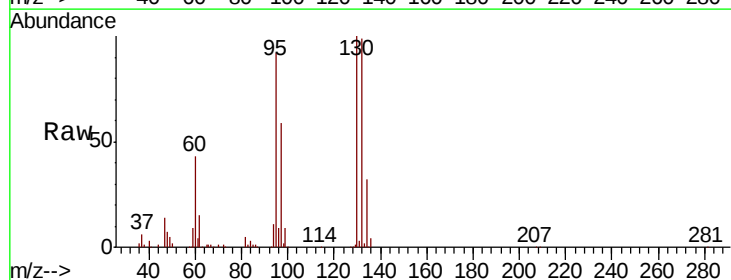
RT: 9.11 min Scan# 1223

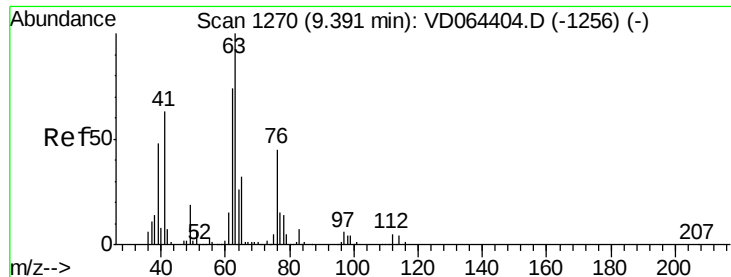
Delta R.T. -0.00 min

Lab File: VD064518.D

Acq: 16 Dec 2019 11:27

Tgt Ion:	130	Resp:	251716
Ion	Ratio	Lower	Upper
130	100		
95	92.4	0.0	184.6





#45

1,2-Dichloropropane

Concen: 52.587 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD064518.D

Acq: 16 Dec 2019 11:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 200895

Ion Ratio Lower Upper

63 100

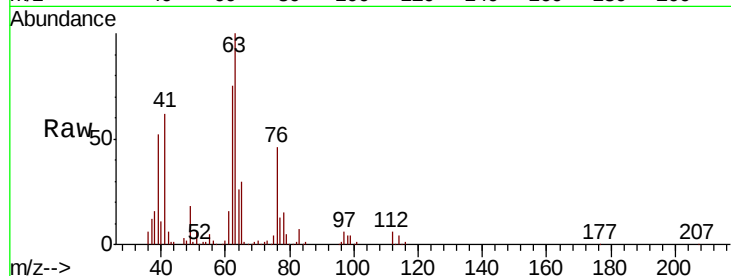
65 30.4 25.4 38.0

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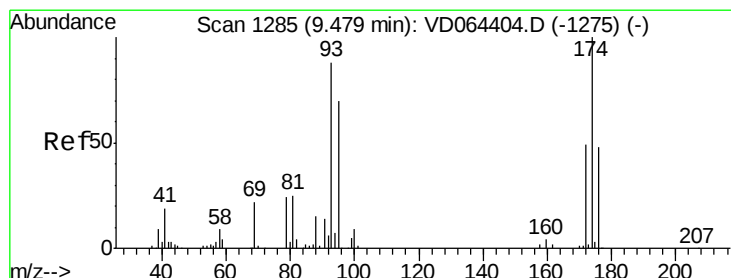
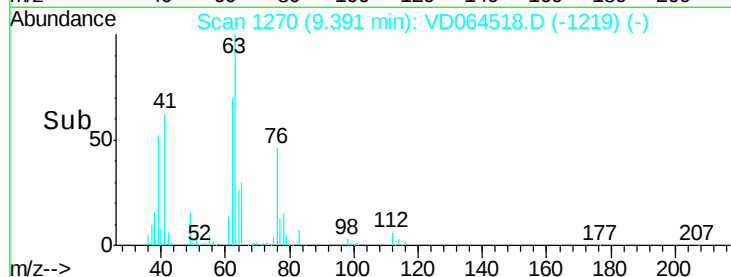
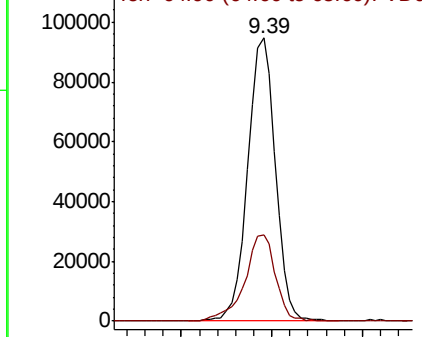
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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 49.694 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.01 min

Lab File: VD064518.D

Acq: 16 Dec 2019 11:27

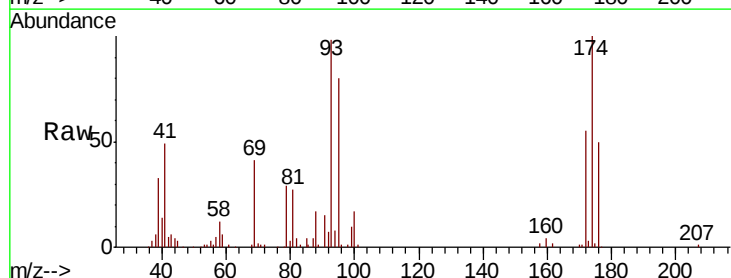
Tgt Ion: 93 Resp: 107148

Ion Ratio Lower Upper

93 100

95 82.6 66.7 100.1

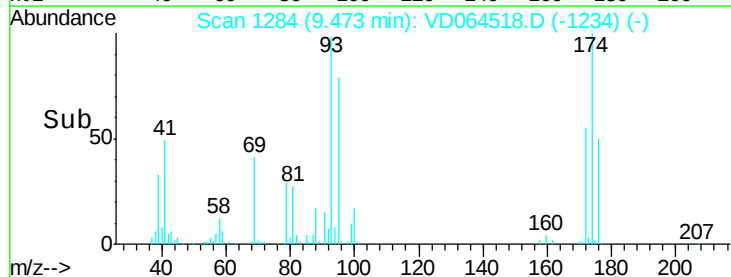
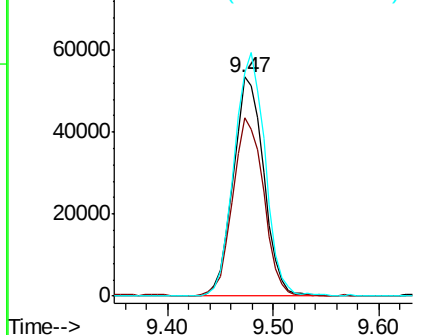
174 112.3 92.3 138.5

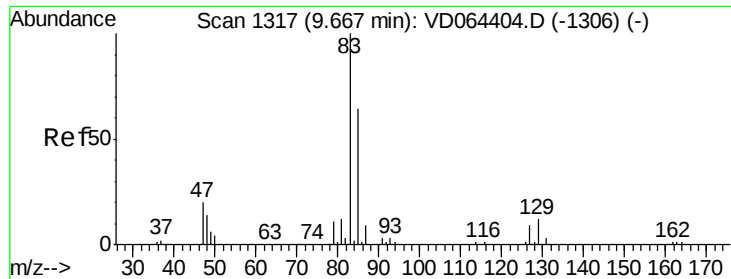


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 51.561 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064518.D

Acq: 16 Dec 2019 11:27

Instrument :

MSVOA_D

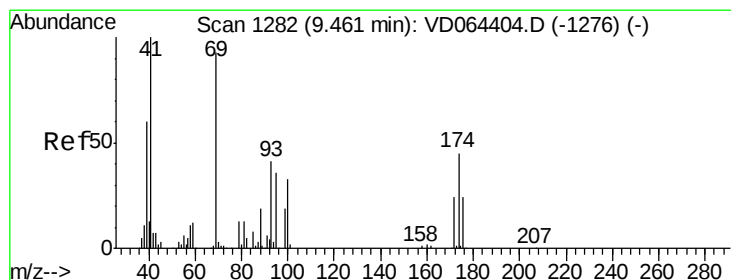
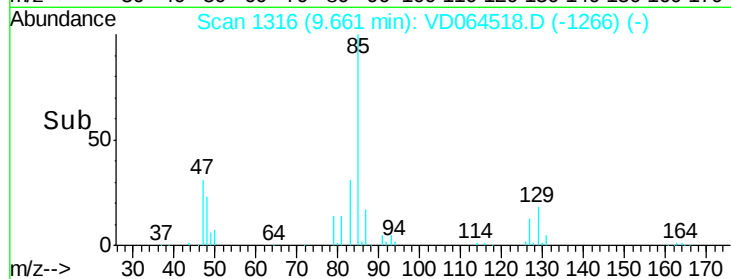
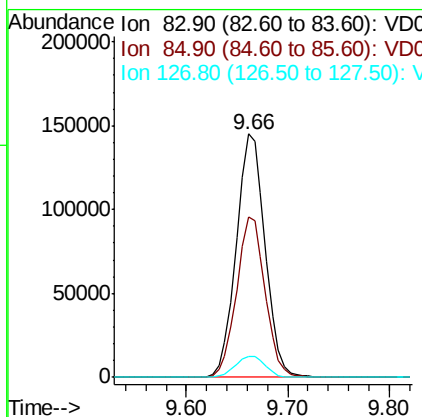
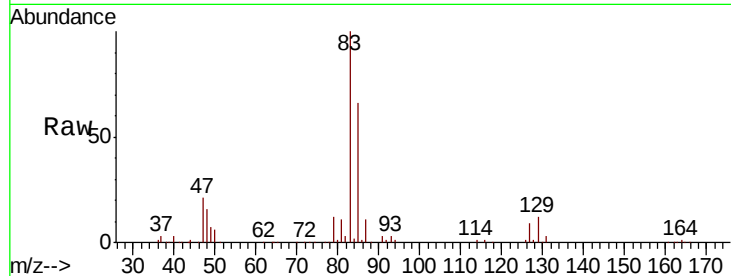
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	285655
Ion Ratio	Lower	Upper	
83	100		
85	66.0	51.1	76.7
127	8.7	7.4	11.0

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#48

Methyl methacrylate

Concen: 51.570 ug/l

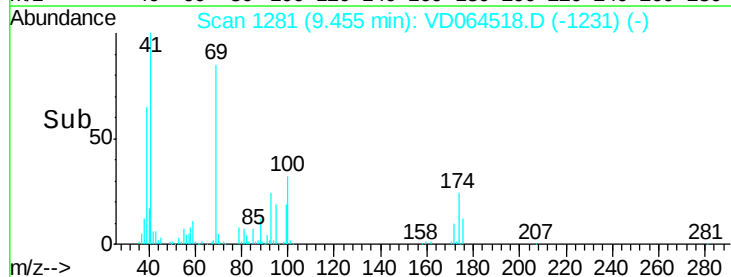
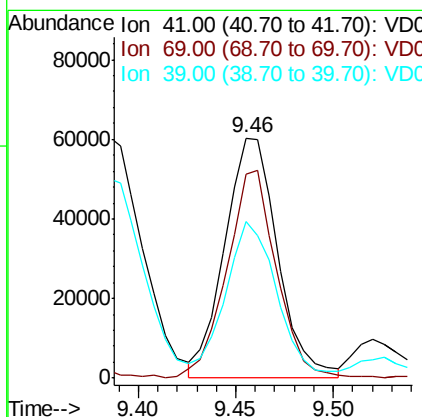
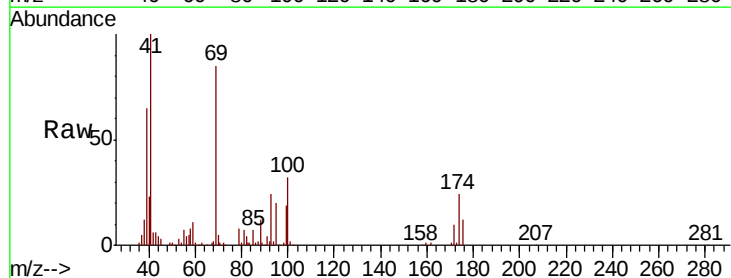
RT: 9.46 min Scan# 1281

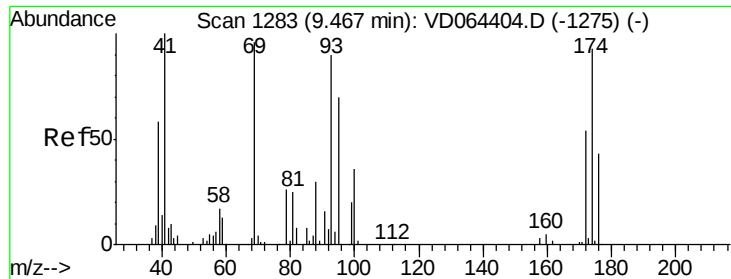
Delta R.T. -0.01 min

Lab File: VD064518.D

Acq: 16 Dec 2019 11:27

Tgt Ion:	41	Resp:	113229
Ion Ratio	Lower	Upper	
41	100		
69	81.8	72.0	108.0
39	57.5	55.2	82.8





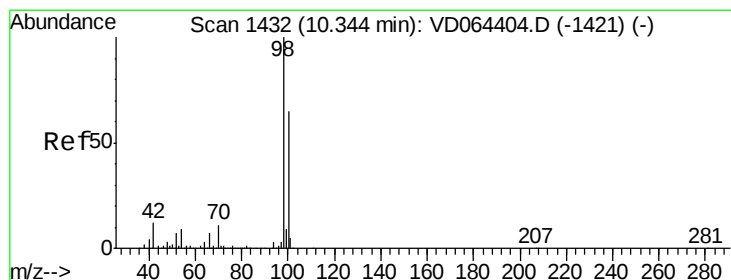
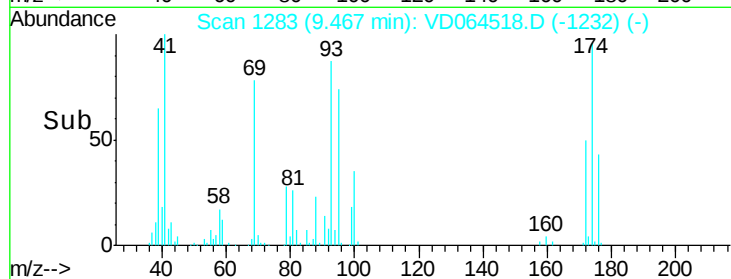
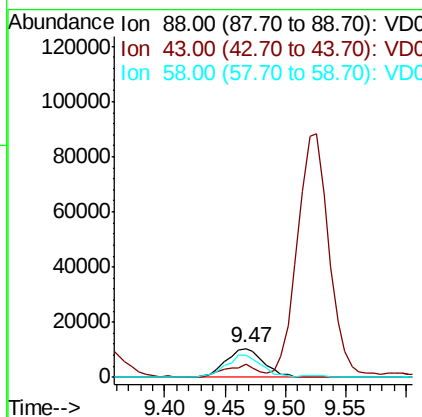
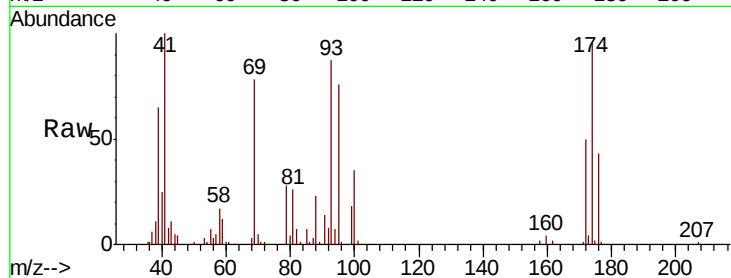
#49
1,4-Dioxane
Concen: 850.135 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD064518.D
Acq: 16 Dec 2019 11:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.2	26.7	40.1
58	73.1	52.3	78.5

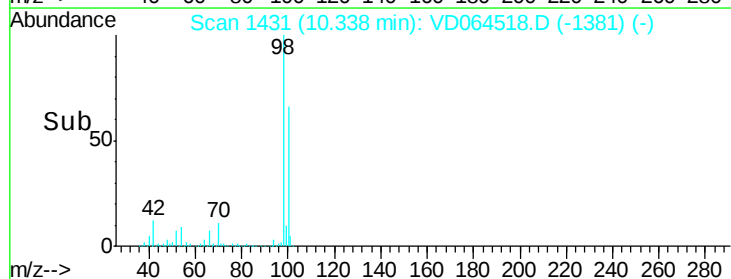
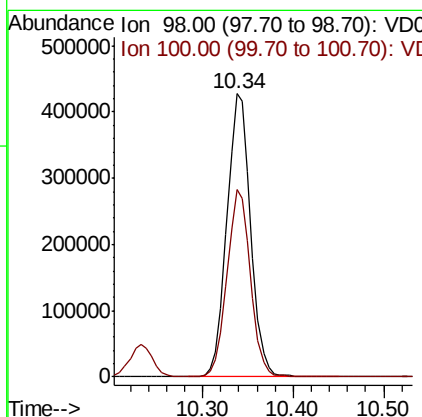
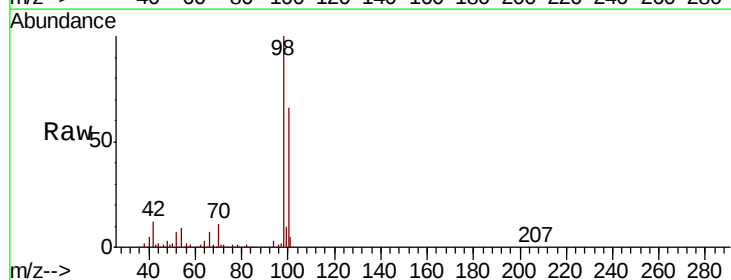
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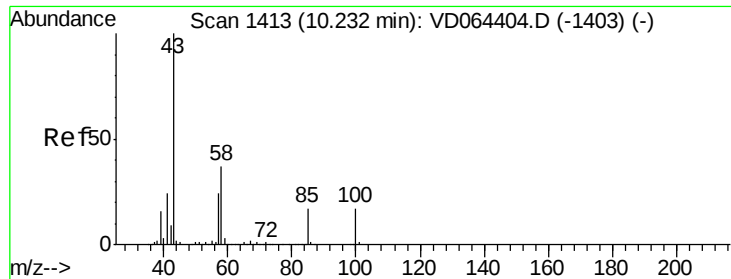
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#50
Toluene-d8
Concen: 53.839 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VD064518.D
Acq: 16 Dec 2019 11:27

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.6	79.0





#51

4-Methyl-2-Pentanone

Concen: 230.185 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD064518.D

Acq: 16 Dec 2019 11:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 546492

Ion Ratio Lower Upper

43 100

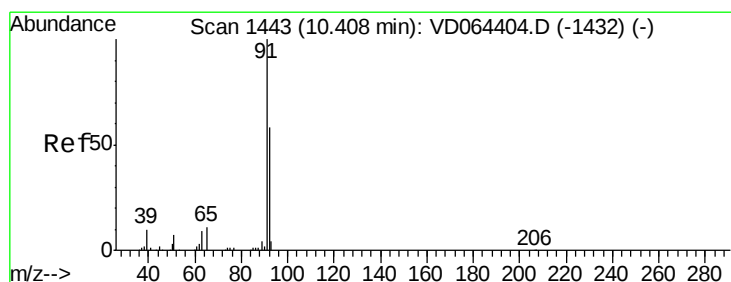
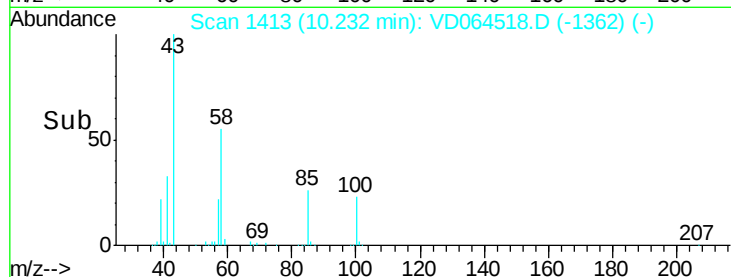
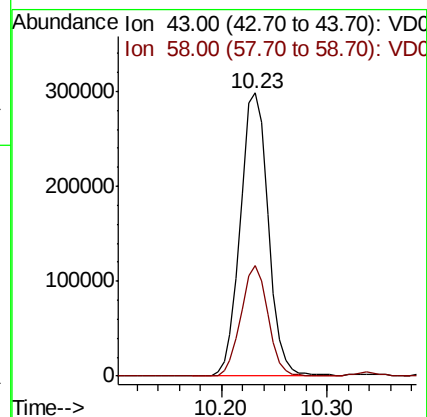
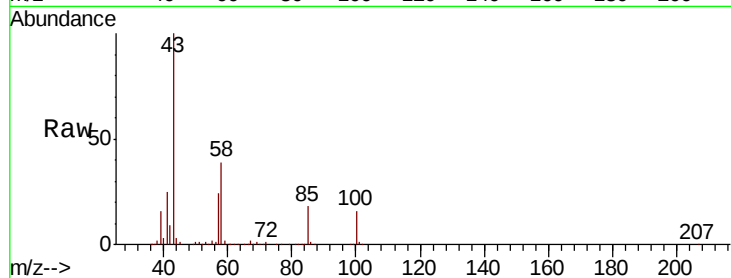
58 37.8 30.6 46.0

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#52

Toluene

Concen: 52.747 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.01 min

Lab File: VD064518.D

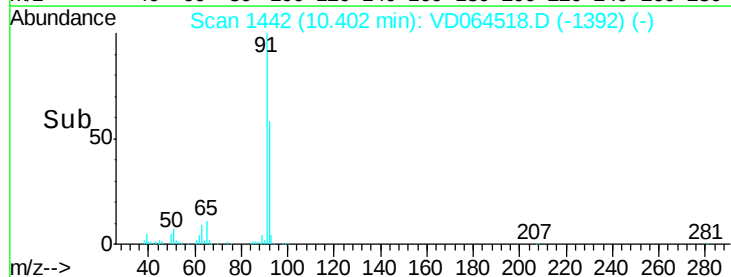
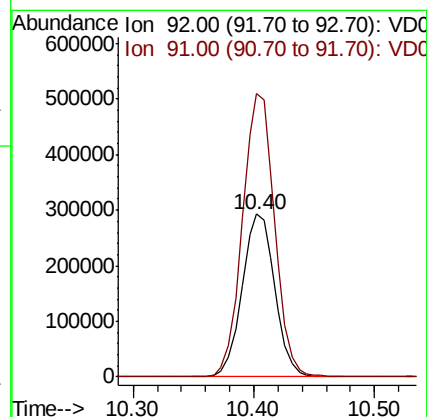
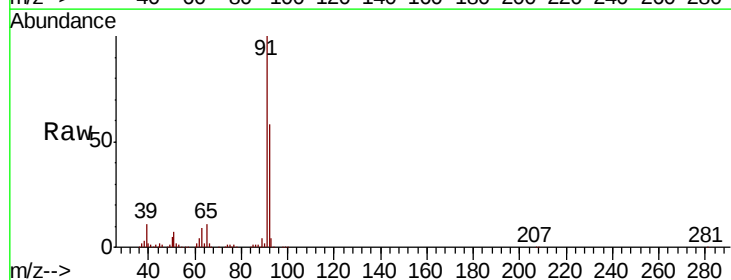
Acq: 16 Dec 2019 11:27

Tgt Ion: 92 Resp: 549111

Ion Ratio Lower Upper

92 100

91 172.5 137.8 206.6





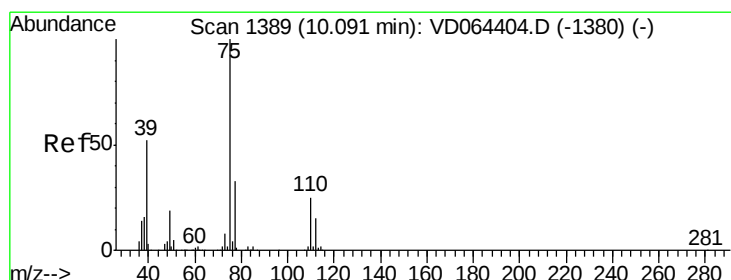
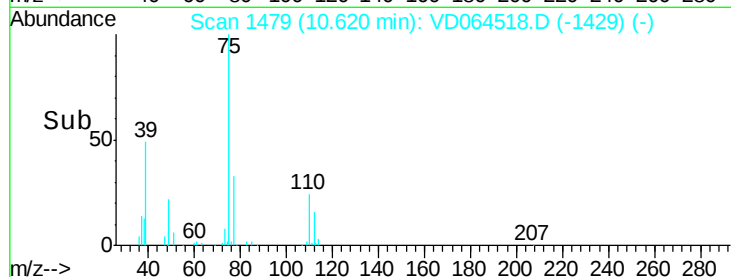
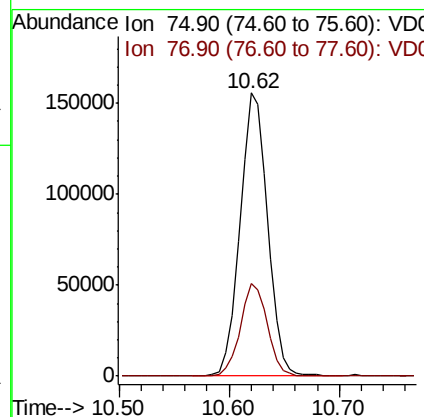
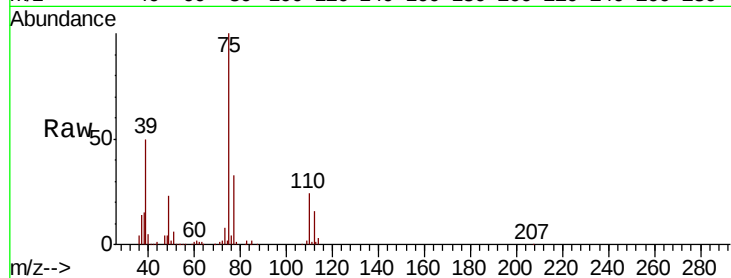
#53
t-1,3-Dichloropropene
Concen: 51.827 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. -0.01 min
Lab File: VD064518.D
Acq: 16 Dec 2019 11:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 273643
Ion Ratio Lower Upper
75 100
77 32.9 25.0 37.4

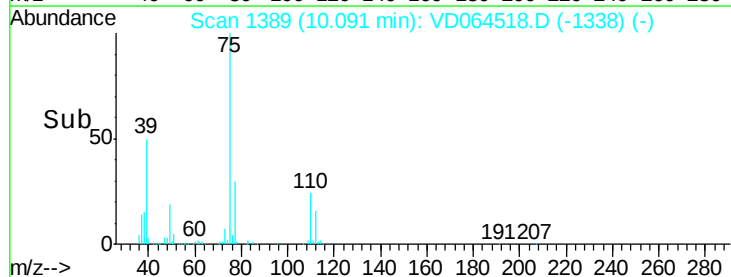
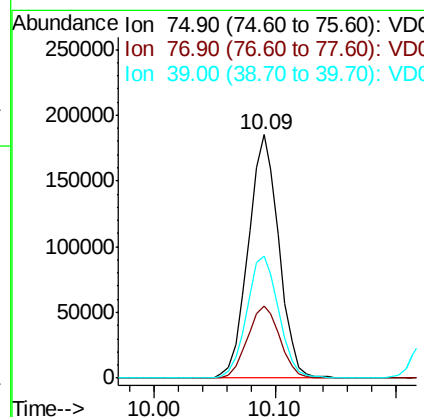
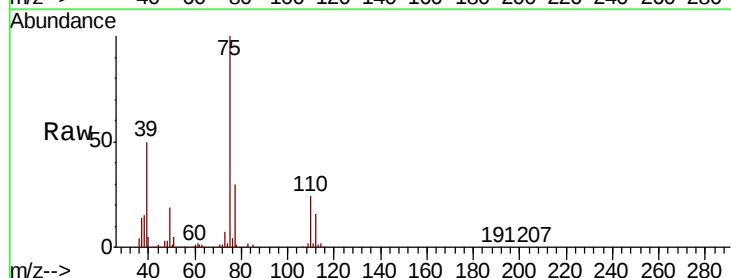
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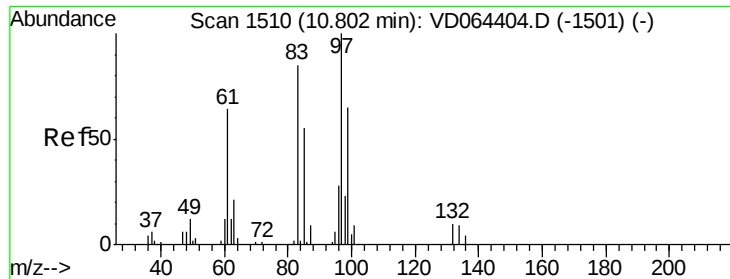
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#54
cis-1,3-Dichloropropene
Concen: 52.199 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VD064518.D
Acq: 16 Dec 2019 11:27

Tgt Ion: 75 Resp: 327417
Ion Ratio Lower Upper
75 100
77 29.8 26.1 39.1
39 50.0 41.5 62.3





#55

1,1,2-Trichloroethane

Concen: 48.393 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VD064518.D

Acq: 16 Dec 2019 11:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 142873

Ion Ratio Lower Upper

97 100

83 83.6 67.8 101.8

85 51.1 43.7 65.5

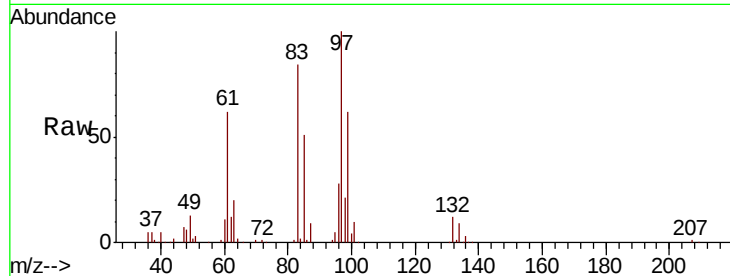
99 61.7 51.7 77.5

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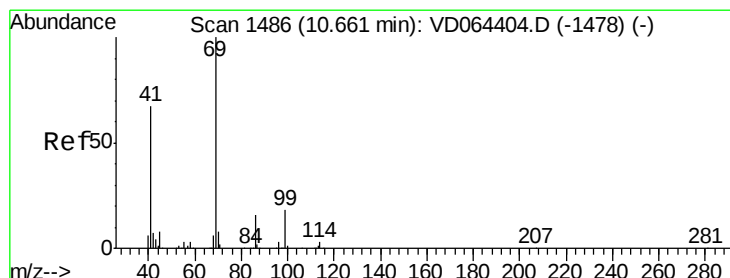
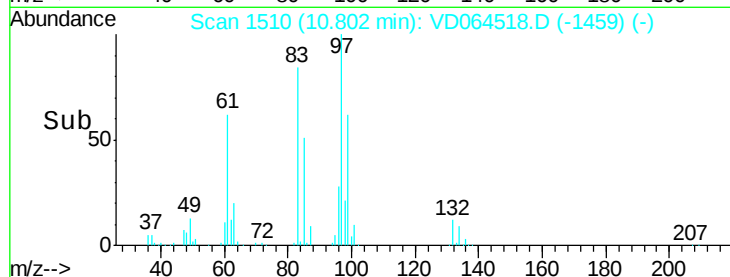
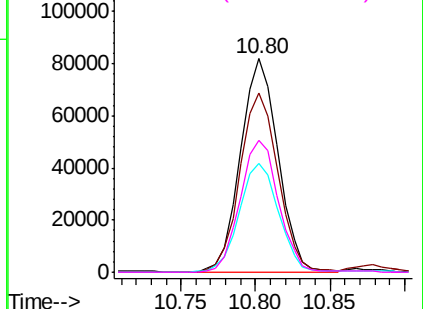


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 48.288 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. -0.00 min

Lab File: VD064518.D

Acq: 16 Dec 2019 11:27

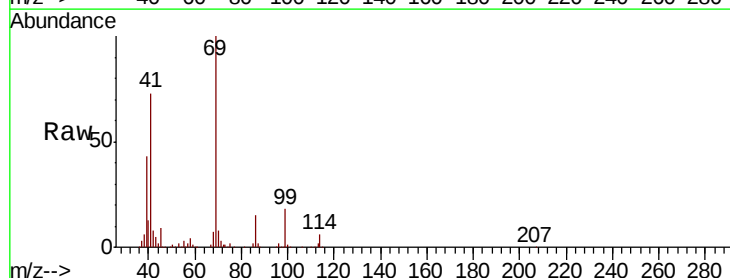
Tgt Ion: 69 Resp: 181831

Ion Ratio Lower Upper

69 100

41 68.9 55.0 82.4

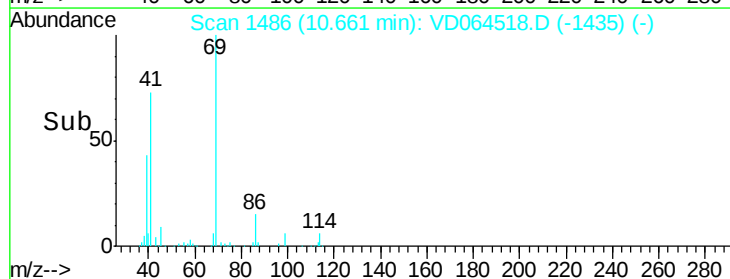
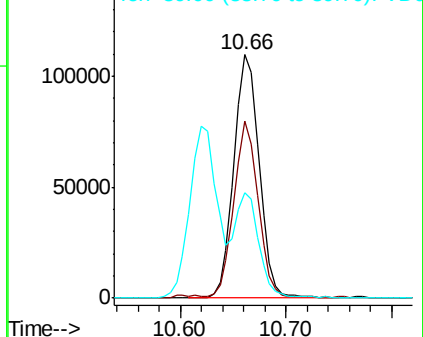
39 41.0 33.0 49.6



Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





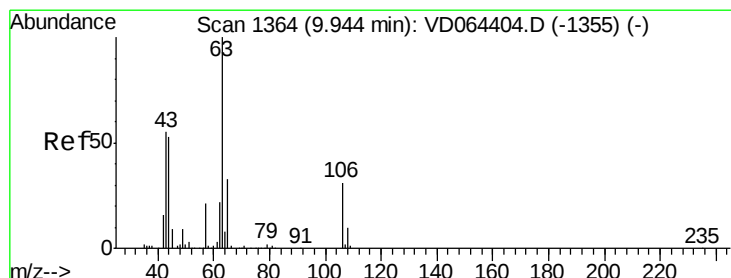
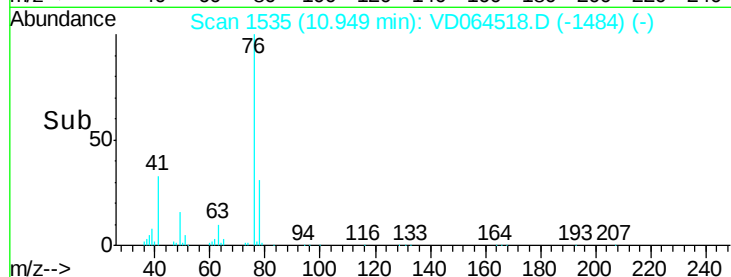
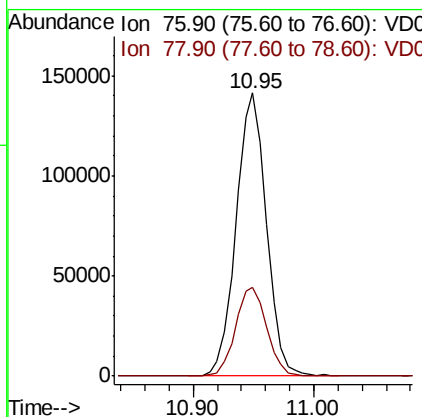
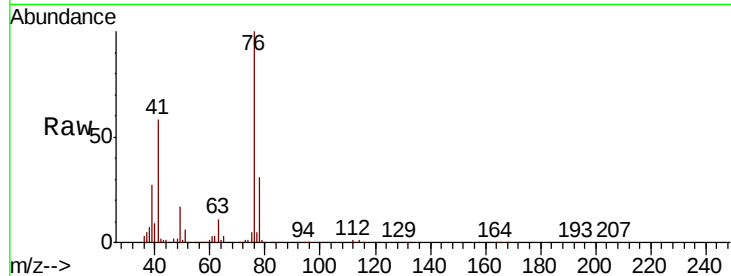
#57
 1,3-Dichloropropane
 Concen: 49.211 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD064518.D
 Acq: 16 Dec 2019 11:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 247324
 Ion Ratio Lower Upper
 76 100
 78 32.2 26.0 39.0

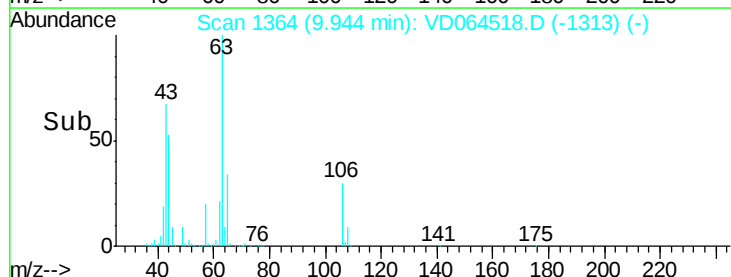
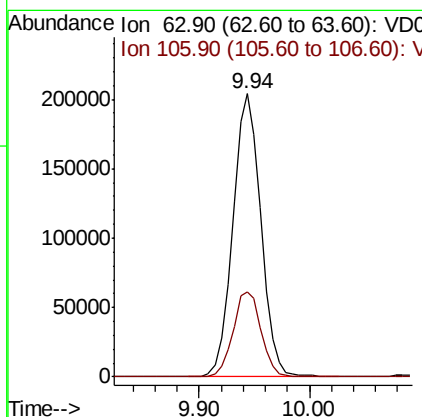
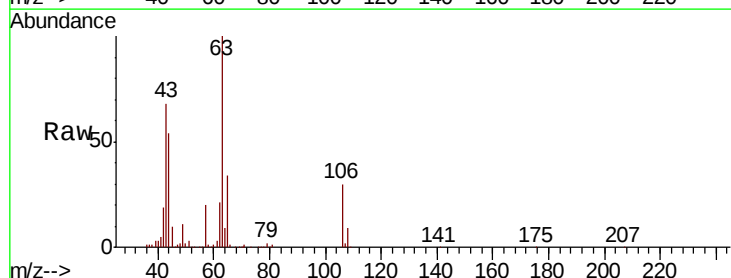
Manual Integrations
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#58
 2-Chloroethyl Vinyl ether
 Concen: 241.334 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD064518.D
 Acq: 16 Dec 2019 11:27

Tgt Ion: 63 Resp: 362267
 Ion Ratio Lower Upper
 63 100
 106 30.4 24.2 36.4





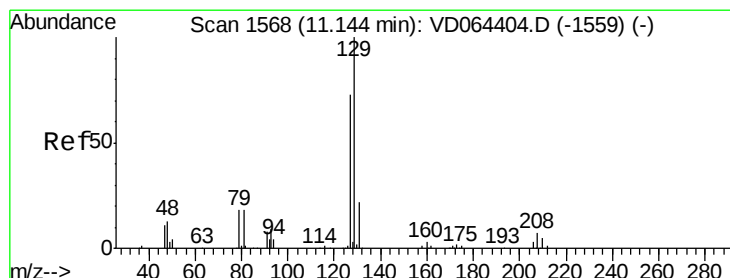
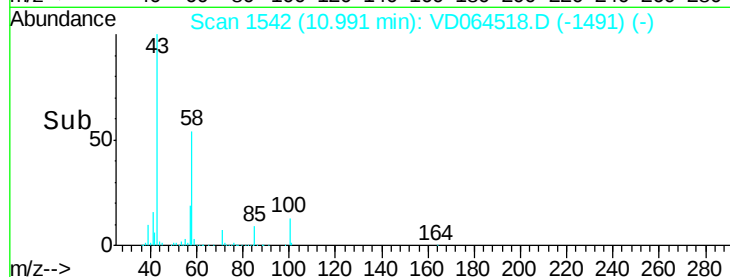
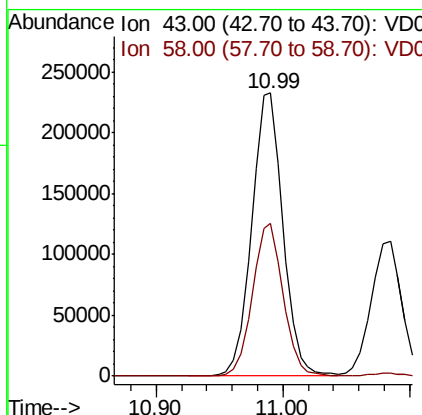
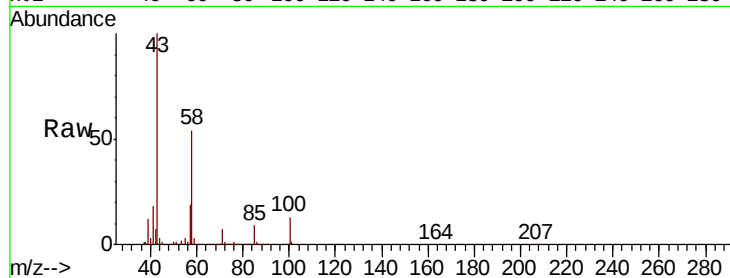
#59
2-Hexanone
Concen: 242.592 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD064518.D
Acq: 16 Dec 2019 11:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.8	26.3	78.8

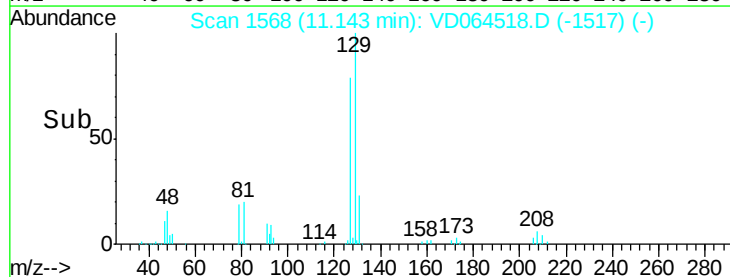
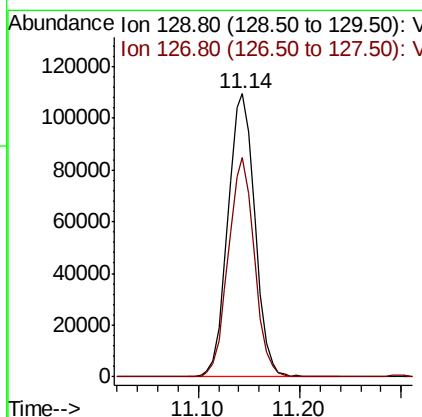
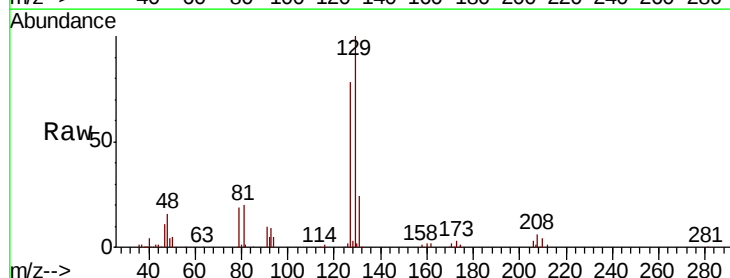
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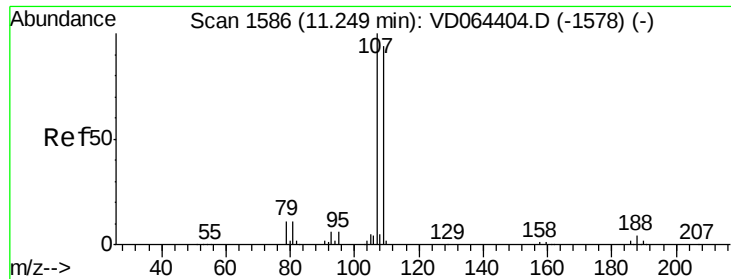
apatel
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#60
Dibromochloromethane
Concen: 50.574 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD064518.D
Acq: 16 Dec 2019 11:27

Tgt Ion	Ratio	Lower	Upper
129	100		
127	74.9	38.1	114.3





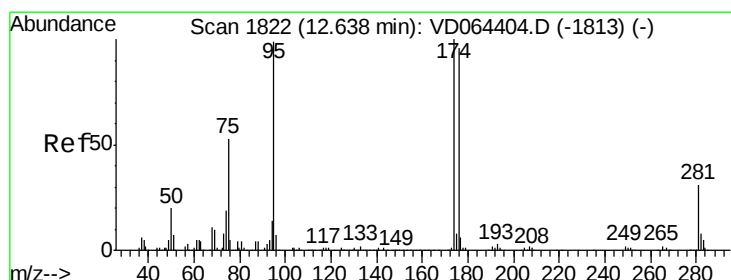
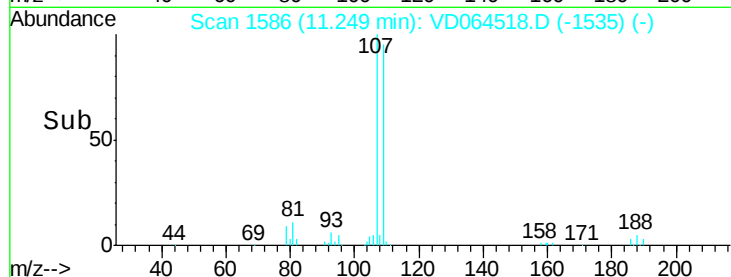
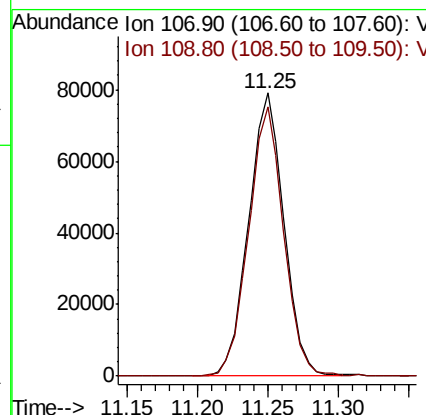
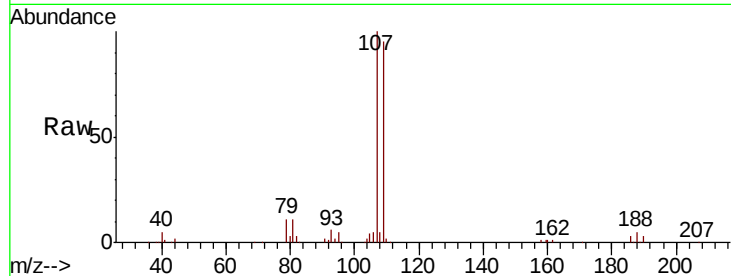
#61
 1,2-Dibromoethane
 Concen: 47.061 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD064518.D
 Acq: 16 Dec 2019 11:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	138728		
109	94.6	76.2	114.2	

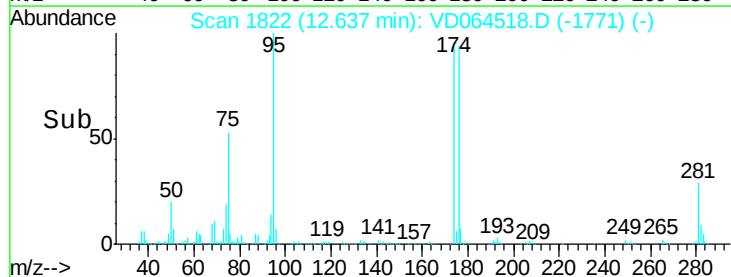
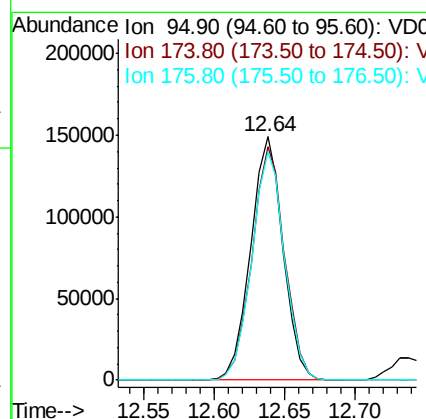
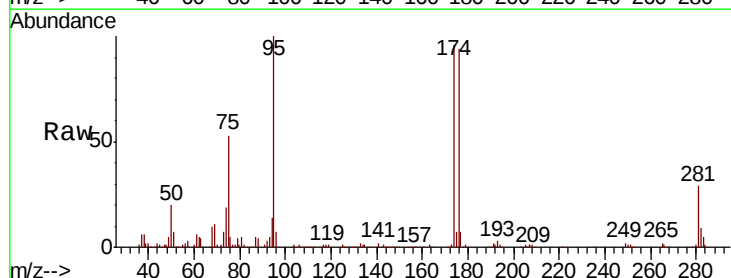
Manual Integrations
 APPROVED

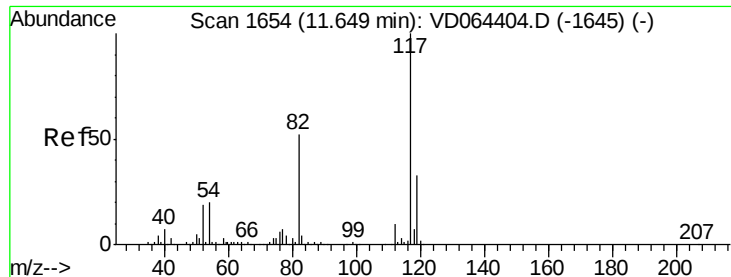
apatel
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#62
 4-Bromofluorobenzene
 Concen: 51.785 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD064518.D
 Acq: 16 Dec 2019 11:27

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	240166		
174	96.6	0.0	197.2	
176	94.5	0.0	189.6	





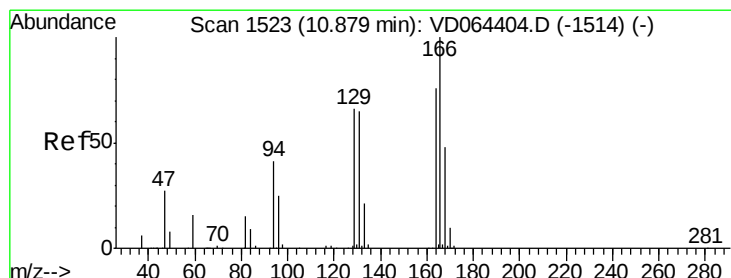
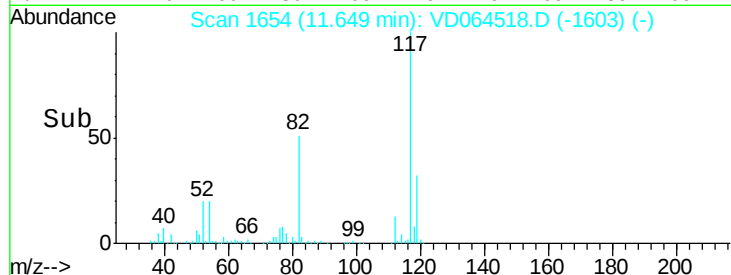
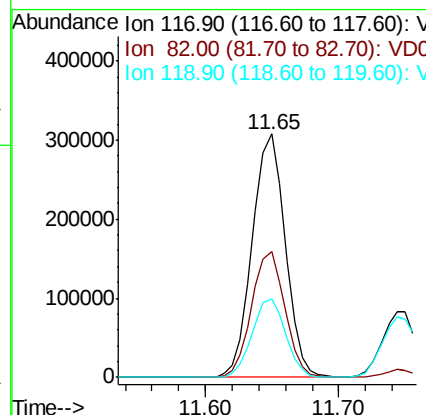
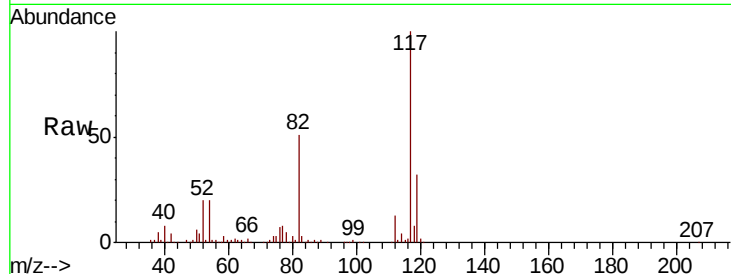
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064518.D
Acq: 16 Dec 2019 11:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	526177		
82	51.5		41.4	62.2
119	32.2		26.2	39.2

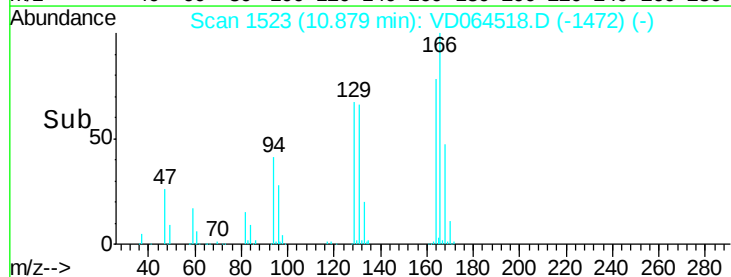
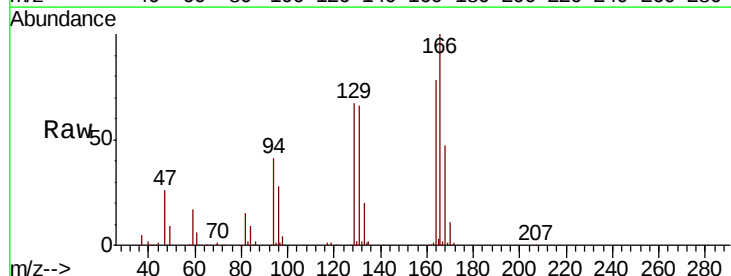
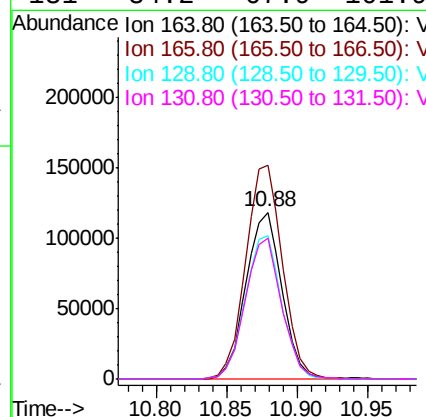
Manual Integrations
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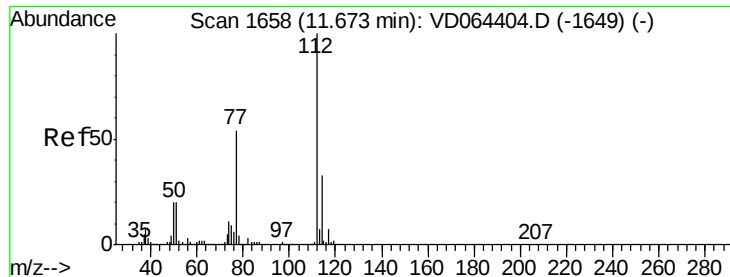
apatel
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#64
Tetrachloroethene
Concen: 52.663 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD064518.D
Acq: 16 Dec 2019 11:27

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	211311		
166	128.1		104.8	157.2
129	86.0		68.7	103.1
131	84.2		67.9	101.9





#65

Chlorobenzene

Concen: 52.076 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. -0.00 min

Lab File: VD064518.D

Acq: 16 Dec 2019 11:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 571499

Ion Ratio Lower Upper

112 100

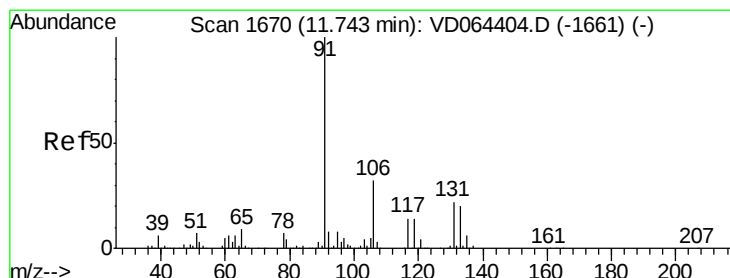
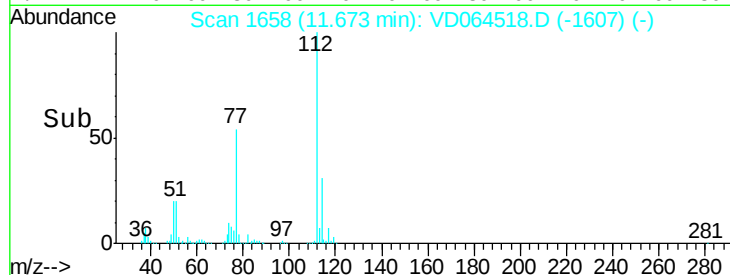
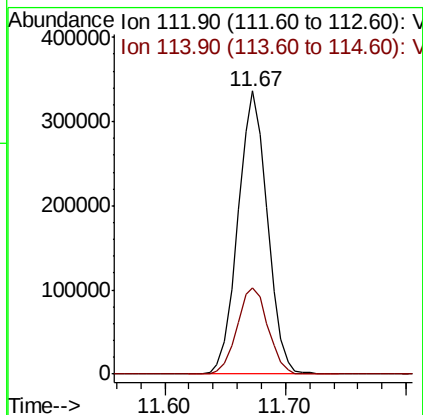
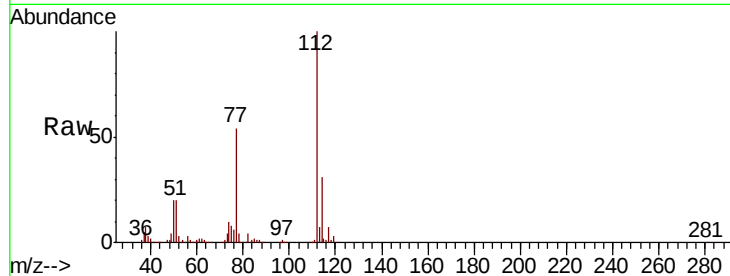
114 30.7 26.5 39.7

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 53.645 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD064518.D

Acq: 16 Dec 2019 11:27

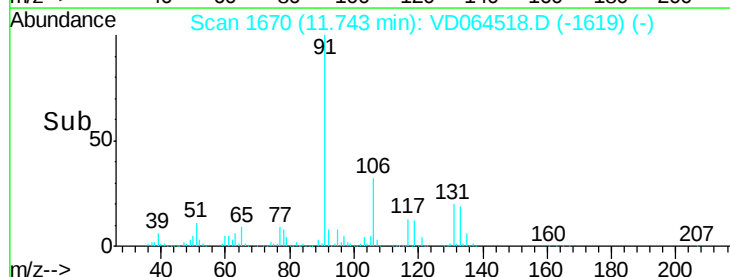
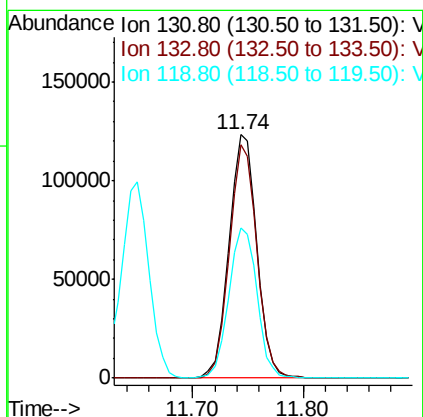
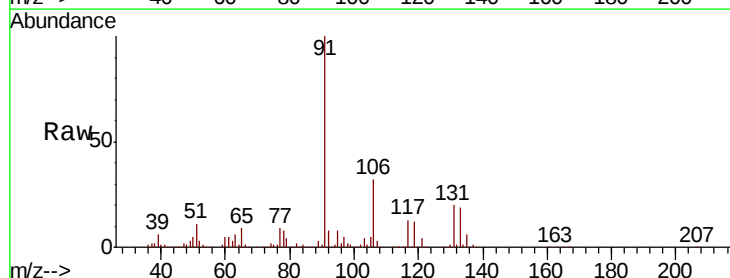
Tgt Ion:131 Resp: 217935

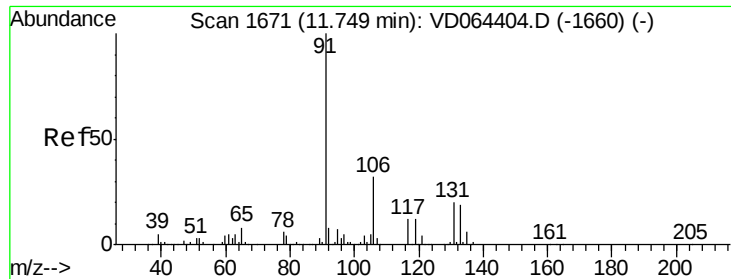
Ion Ratio Lower Upper

131 100

133 94.8 48.3 144.9

119 62.6 31.9 95.9





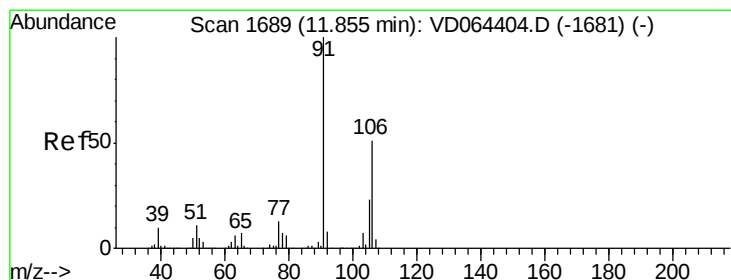
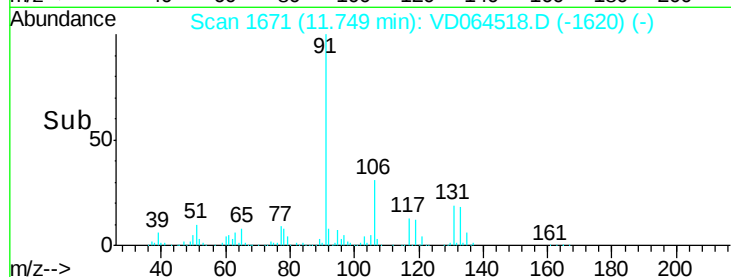
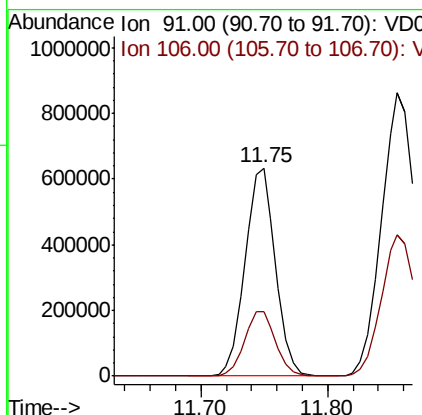
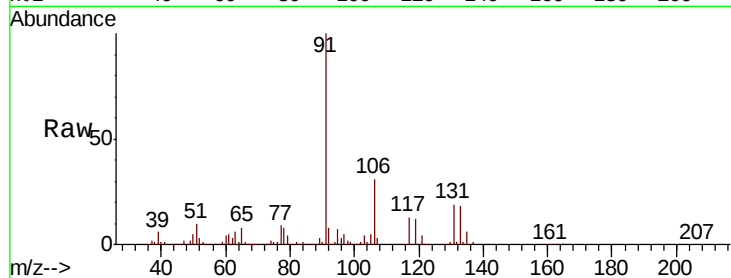
#67
Ethyl Benzene
Concen: 53.947 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD064518.D
Acq: 16 Dec 2019 11:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1053353
Ion Ratio Lower Upper
91 100
106 31.0 25.8 38.8

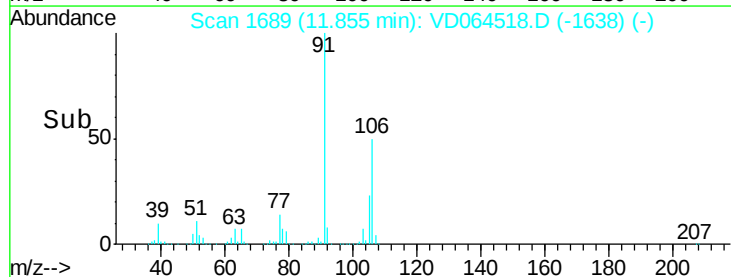
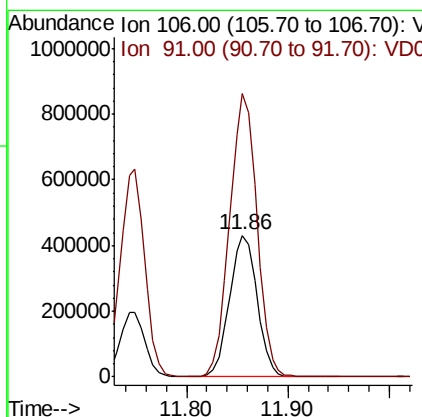
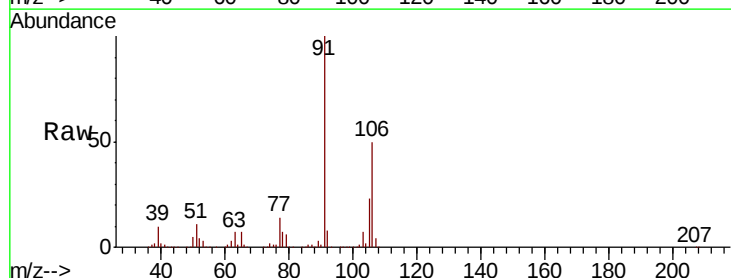
Manual Integrations
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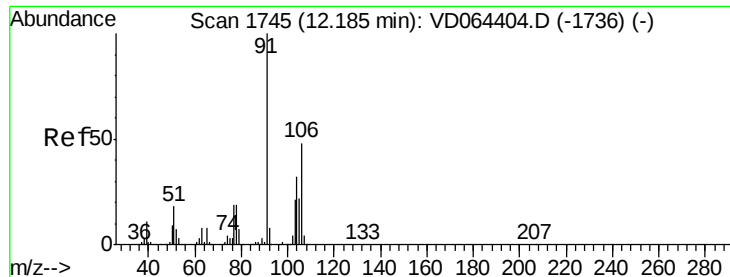
apatel
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#68
m/p-Xylenes
Concen: 109.335 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD064518.D
Acq: 16 Dec 2019 11:27

Tgt Ion: 106 Resp: 814004
Ion Ratio Lower Upper
106 100
91 198.1 157.4 236.2





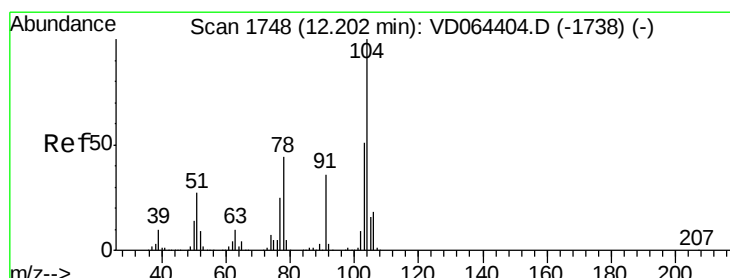
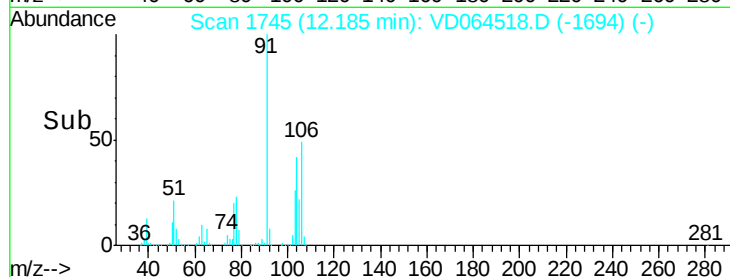
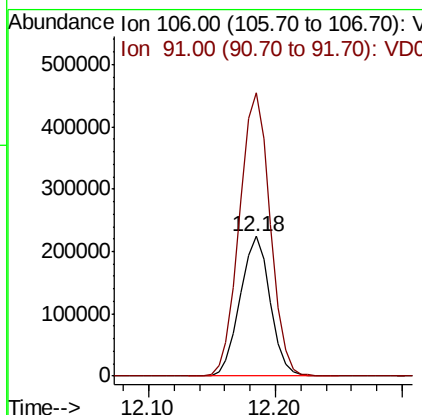
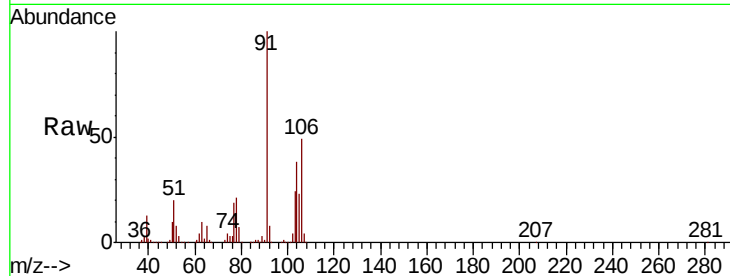
#69
o-Xylene
Concen: 53.427 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD064518.D
Acq: 16 Dec 2019 11:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	207.8	103.8	311.4	

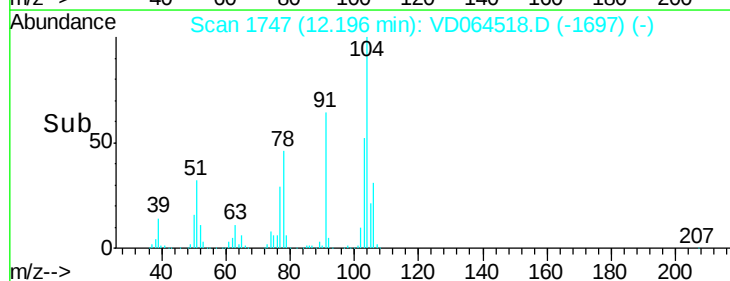
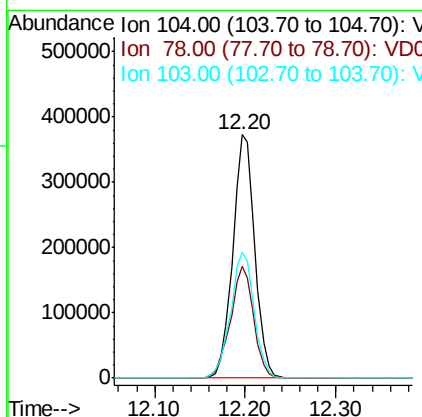
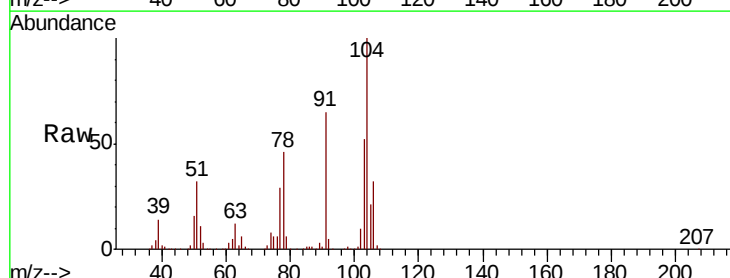
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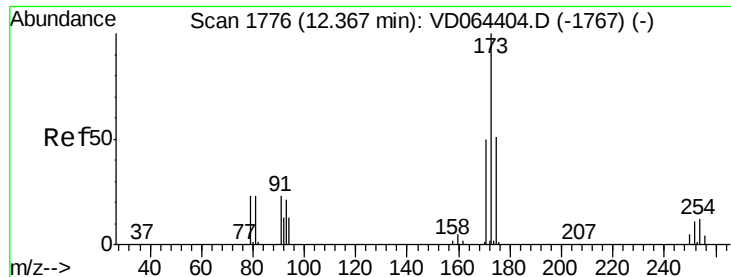
apatel
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#70
Styrene
Concen: 52.887 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD064518.D
Acq: 16 Dec 2019 11:27

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	48.3	38.8	58.2	
103	55.5	44.2	66.4	





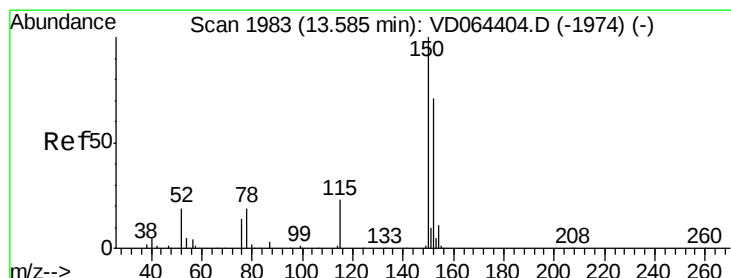
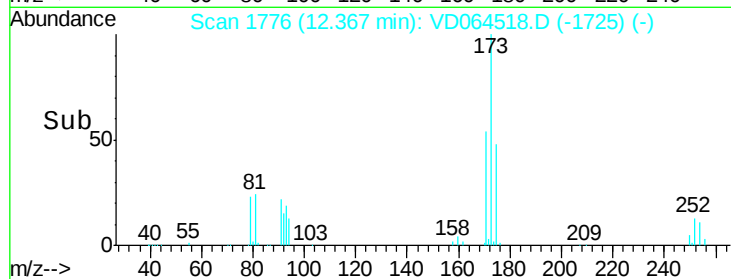
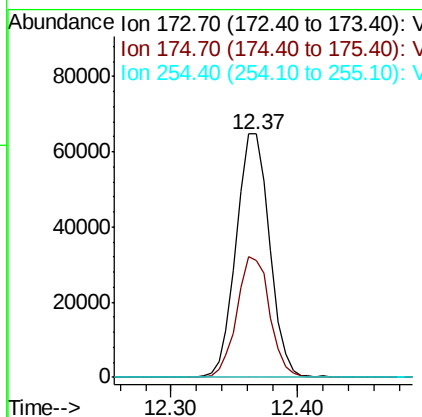
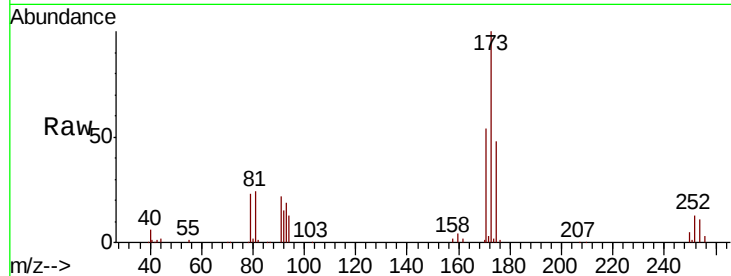
#71
Bromoform
Concen: 48.654 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD064518.D
Acq: 16 Dec 2019 11:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	25.3	75.8
254	0.1	0.0	0.0

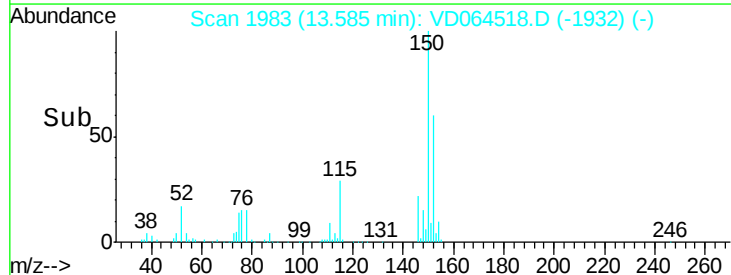
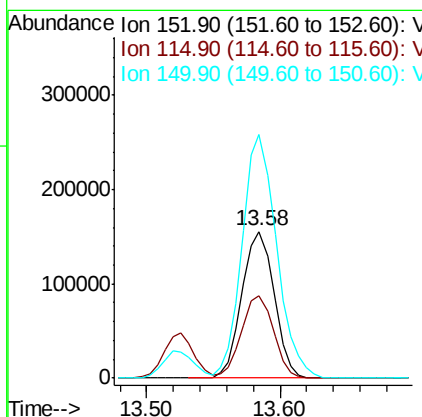
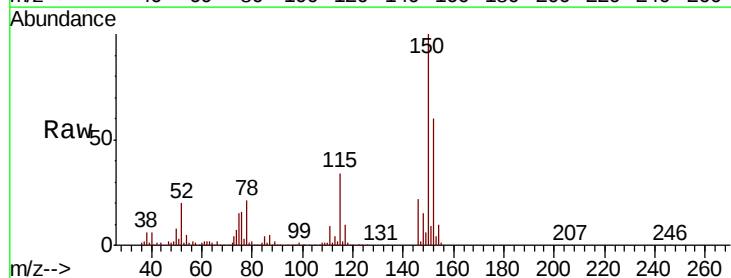
Manual Integrations
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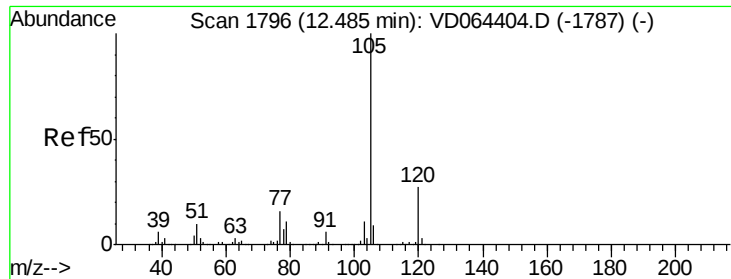
apatel
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD064518.D
Acq: 16 Dec 2019 11:27

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.1	26.7	80.1
150	178.0	0.0	347.2





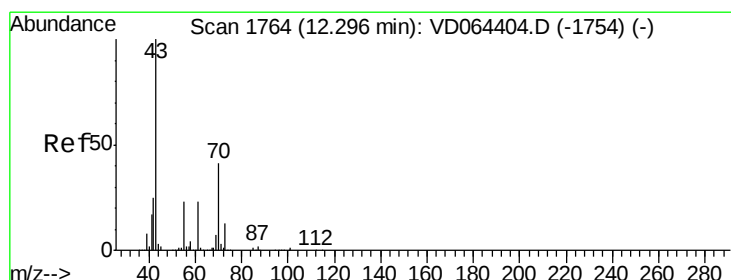
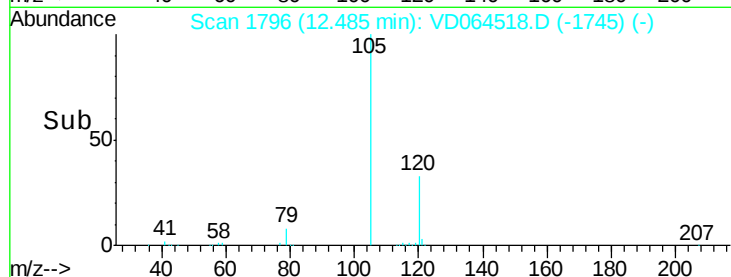
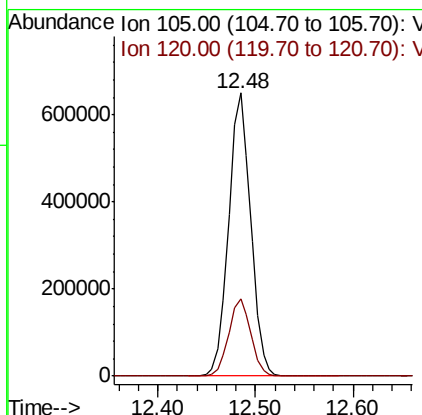
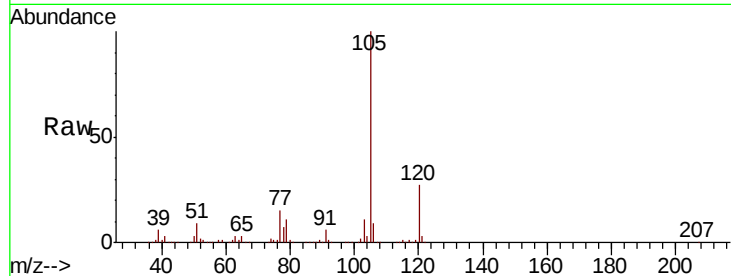
#73
Isopropylbenzene
Concen: 54.541 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VD064518.D
Acq: 16 Dec 2019 11:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:105 Resp: 1017633
Ion Ratio Lower Upper
105 100
120 27.3 13.4 40.2

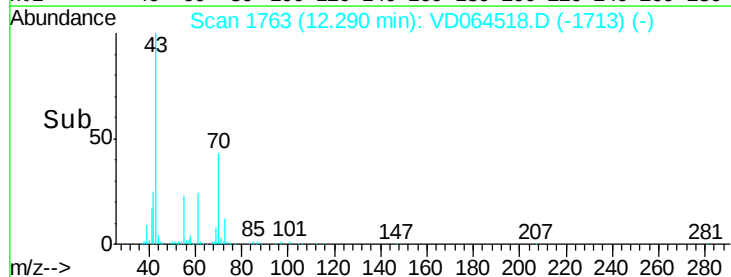
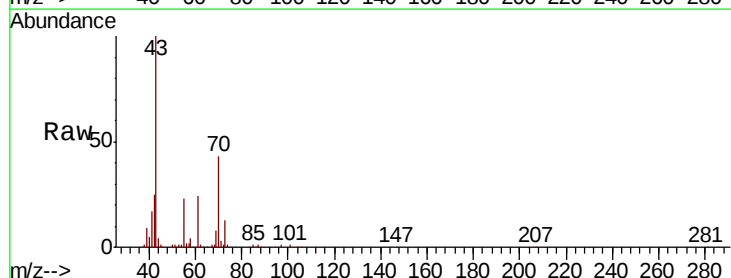
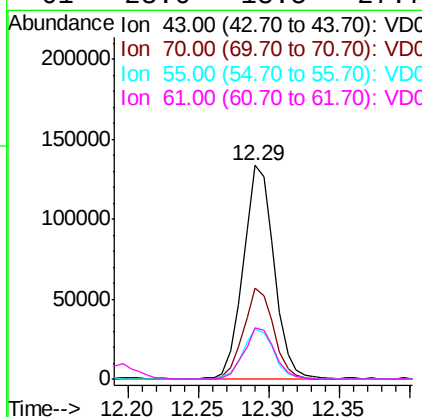
Manual Integrations
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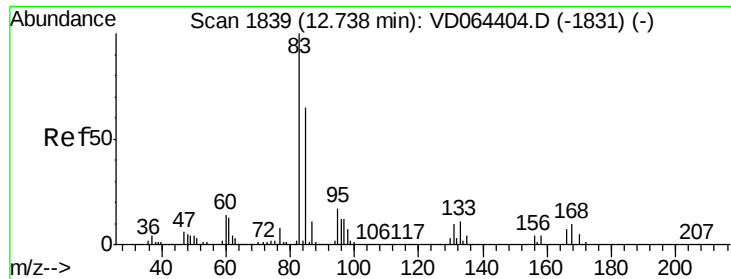
apatel
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#74
N-ethyl acetate
Concen: 48.155 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. -0.01 min
Lab File: VD064518.D
Acq: 16 Dec 2019 11:27

Tgt Ion: 43 Resp: 203921
Ion Ratio Lower Upper
43 100
70 41.7 33.4 50.2
55 23.7 18.9 28.3
61 23.6 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 47.608 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD064518.D

Acq: 16 Dec 2019 11:27

Instrument :

MSVOA_D

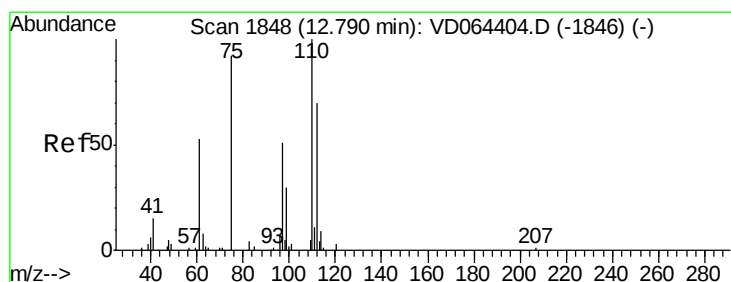
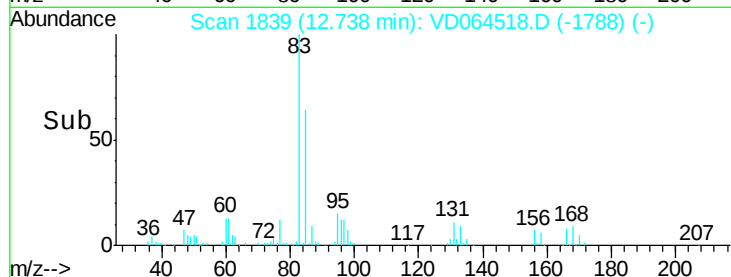
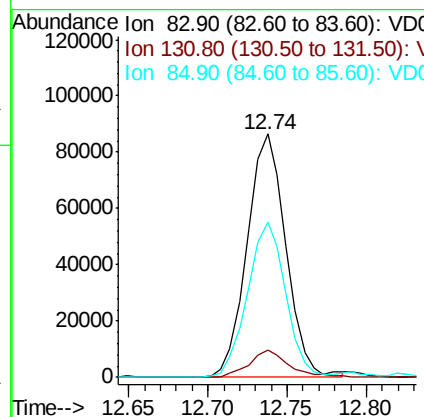
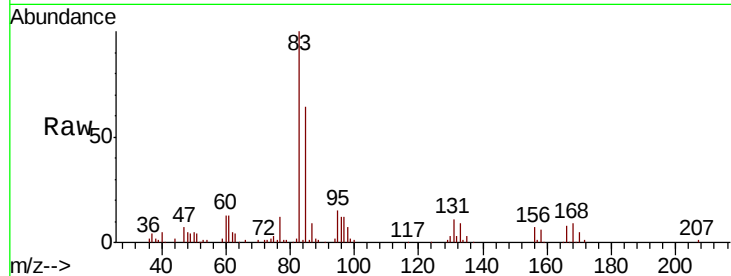
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	146895
Ion Ratio	Lower	Upper	
83	100		
131	11.5	5.7	17.0
85	62.9	31.3	93.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 44.383 ug/l m

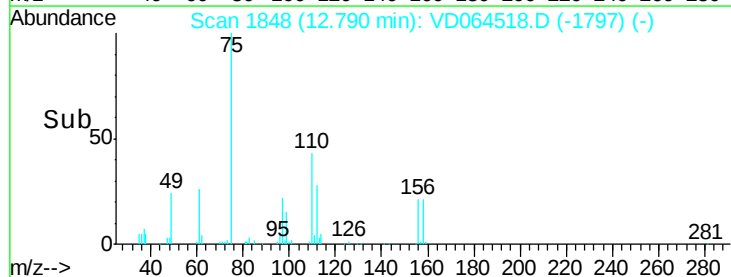
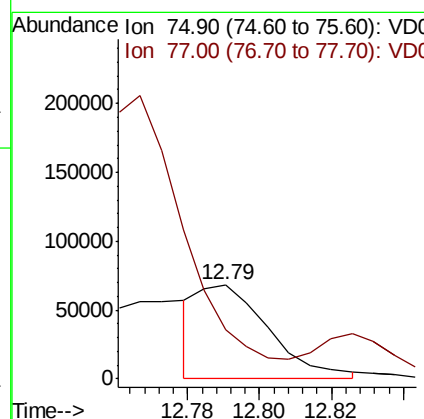
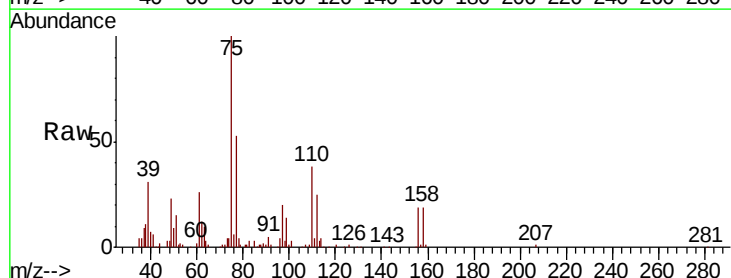
RT: 12.79 min Scan# 1848

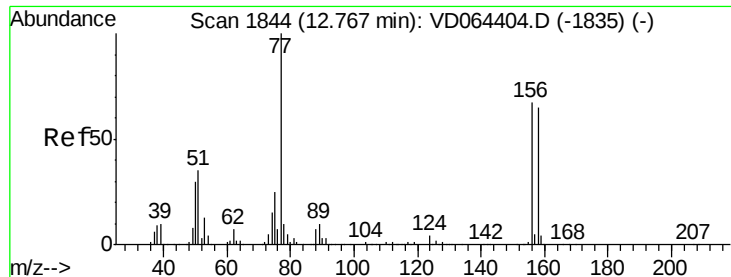
Delta R.T. -0.00 min

Lab File: VD064518.D

Acq: 16 Dec 2019 11:27

Tgt Ion:	75	Resp:	94688
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 52.638 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD064518.D

Acq: 16 Dec 2019 11:27

Instrument :

MSVOA_D

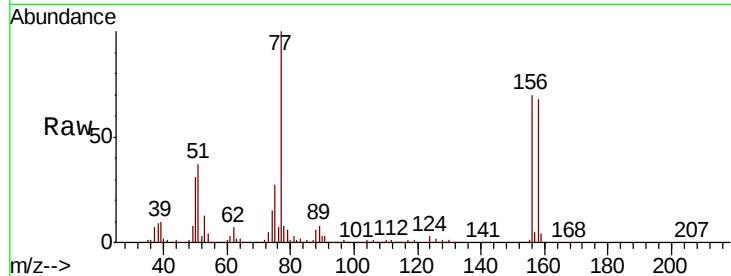
ClientSampleId :

VSTDCCC050

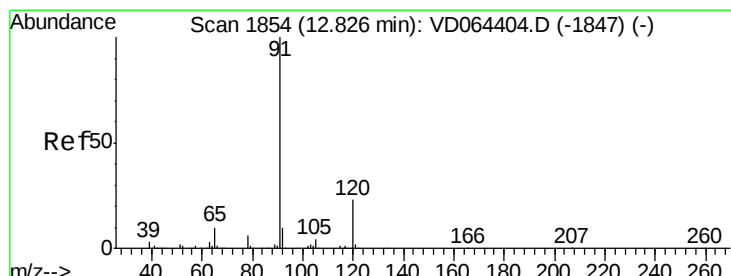
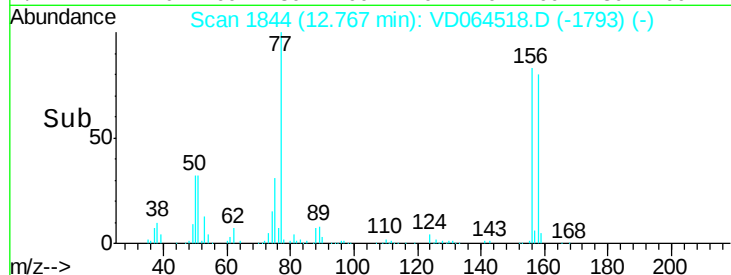
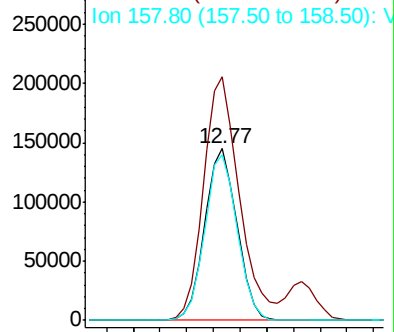
Tot Ion:	156	Resp:	242535
Ion Ratio	Lower	Upper	
156	100		
77	158.8	80.0	240.2
158	97.0	48.9	146.6

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Abundance Ion 155.80 (155.50 to 156.50): V



#78

n-propylbenzene

Concen: 55.378 ug/l

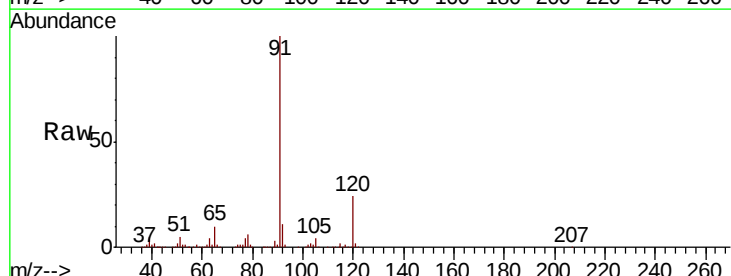
RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

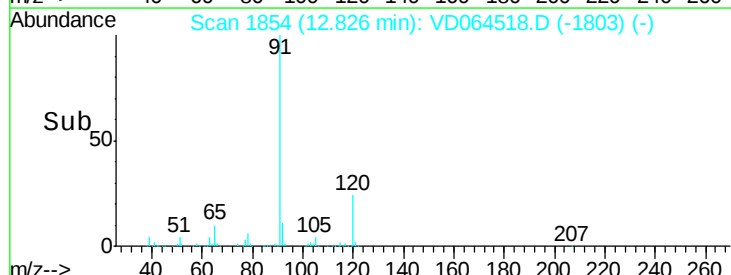
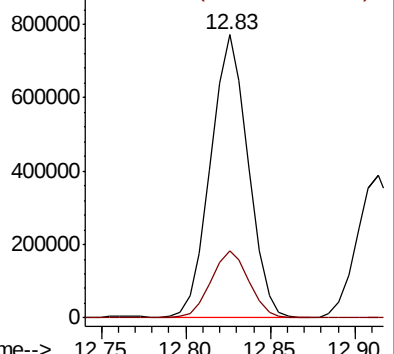
Lab File: VD064518.D

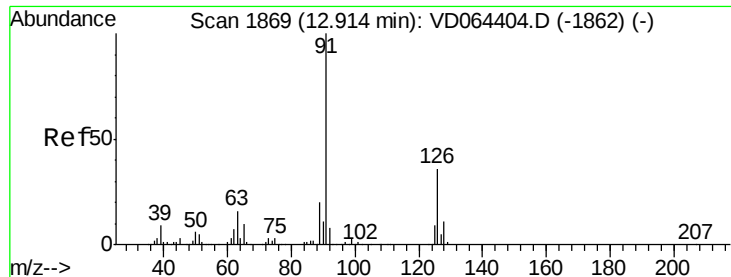
Acq: 16 Dec 2019 11:27

Tgt Ion:	91	Resp:	1192172
Ion Ratio	Lower	Upper	
91	100		
120	23.9	11.9	35.9



Abundance Ion 91.00 (90.70 to 91.70): V





#79

2-Chlorotoluene

Concen: 54.286 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD064518.D

Acq: 16 Dec 2019 11:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 643057

Ion Ratio Lower Upper

91 100

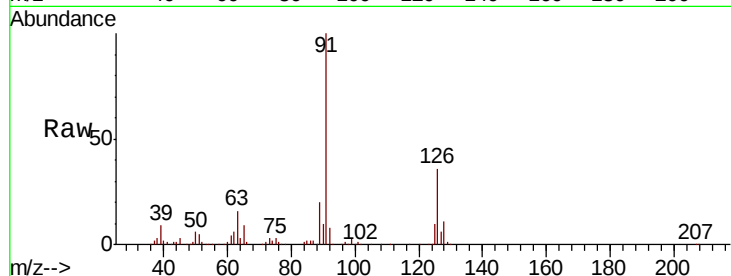
126 35.7 18.0 54.0

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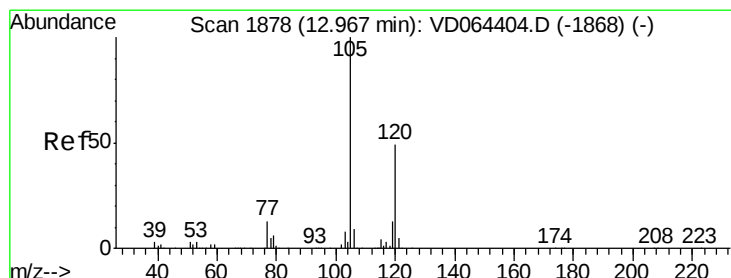
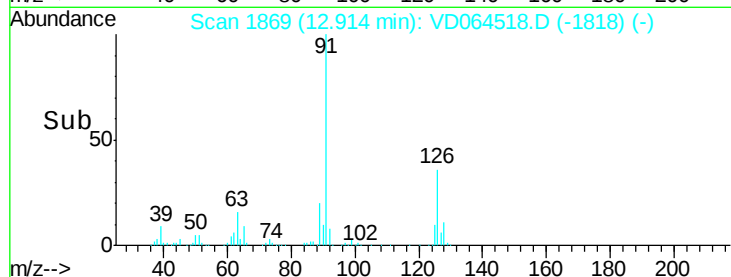
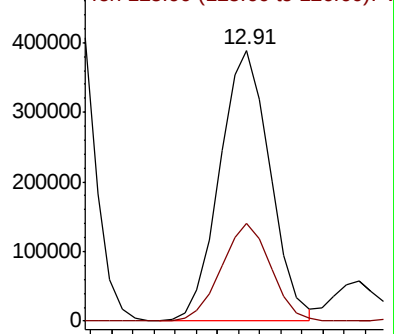
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Abundance Ion 91.00 (90.70 to 91.70): VD064404.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 54.236 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD064518.D

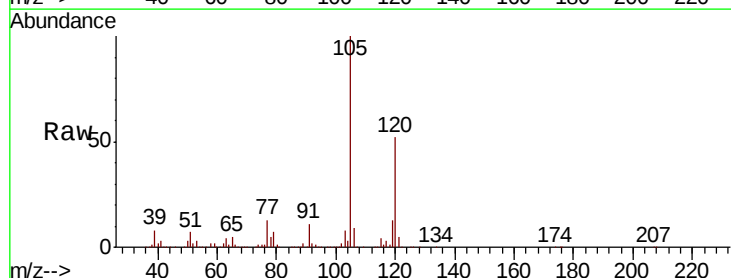
Acq: 16 Dec 2019 11:27

Tgt Ion:105 Resp: 826951

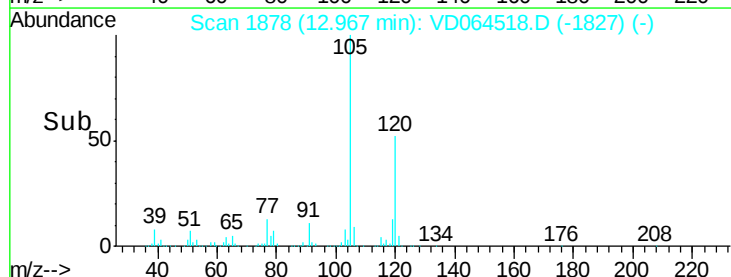
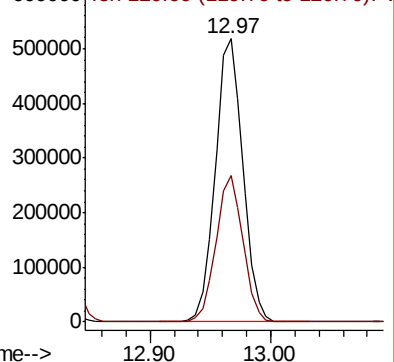
Ion Ratio Lower Upper

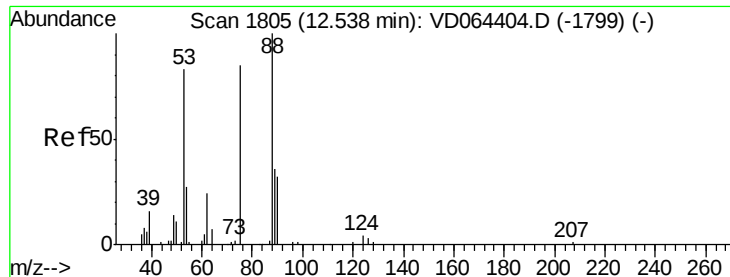
105 100

120 50.7 25.1 75.3



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





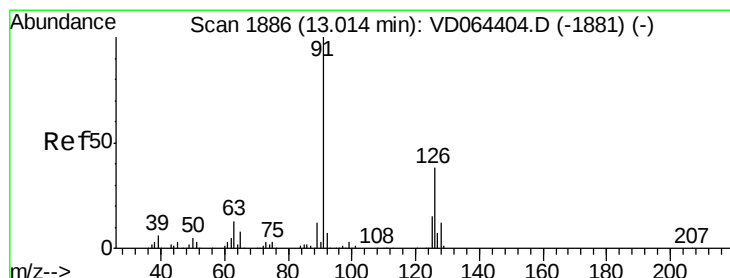
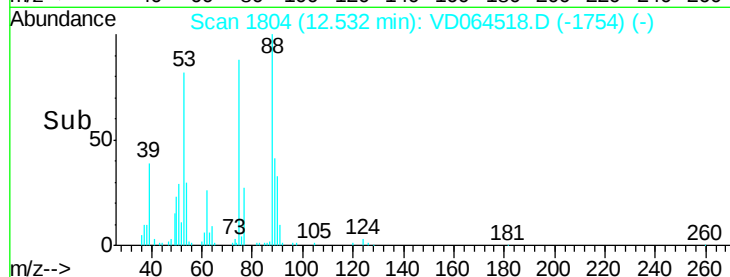
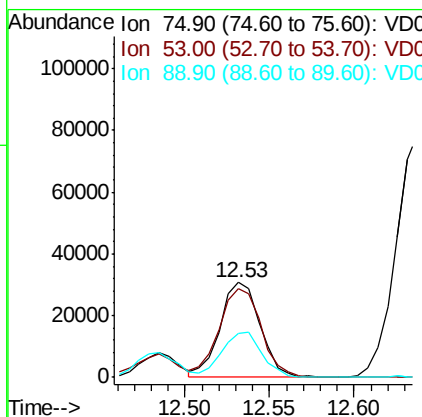
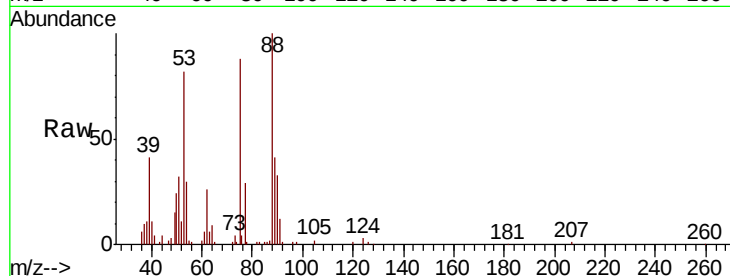
#81
trans-1,4-Dichloro-2-butene
Concen: 50.988 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.01 min
Lab File: VD064518.D
Acq: 16 Dec 2019 11:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	99.9	81.0	121.6
89	47.7	38.5	57.7

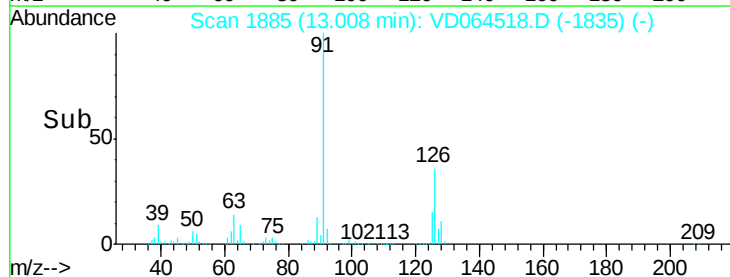
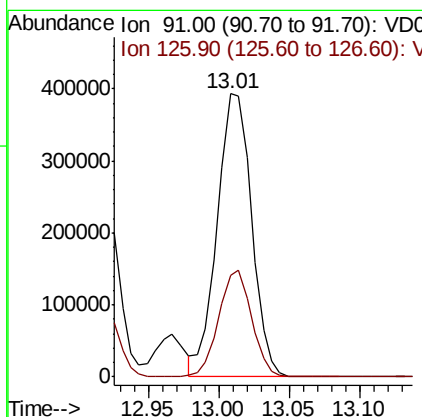
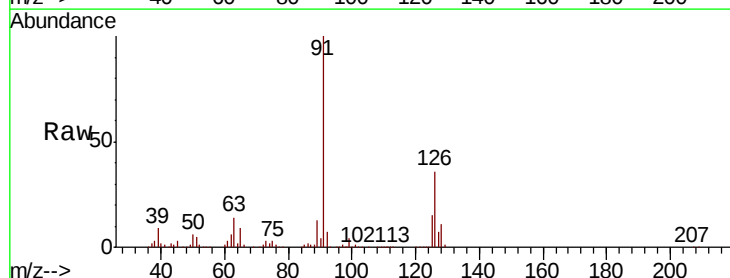
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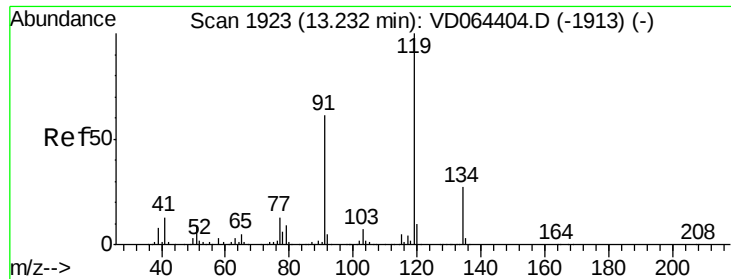
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#82
4-Chlorotoluene
Concen: 53.300 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VD064518.D
Acq: 16 Dec 2019 11:27

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.2	18.2	54.6





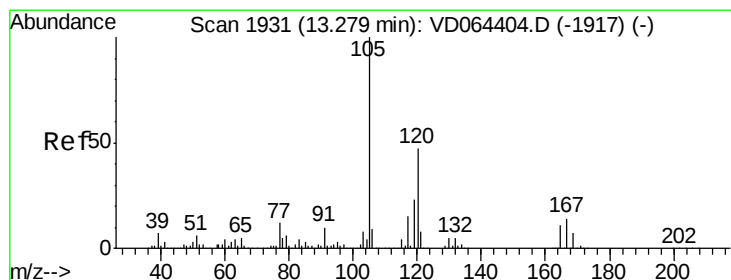
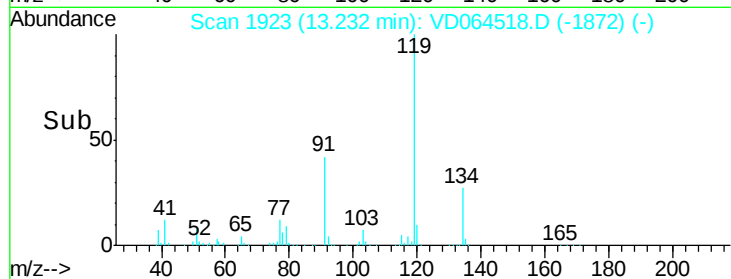
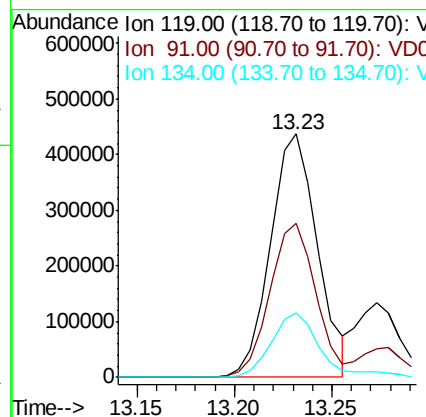
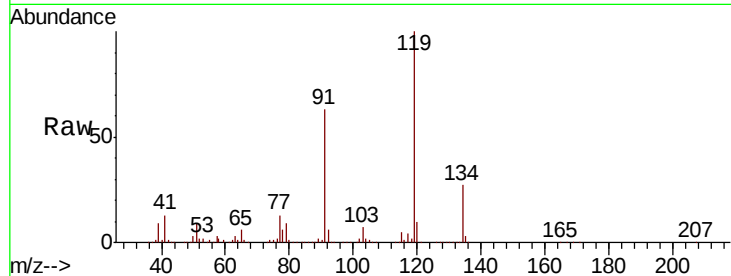
#83
tert-Butylbenzene
Concen: 54.953 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VD064518.D
Acq: 16 Dec 2019 11:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.8	31.2	93.6
134	27.7	13.9	41.7

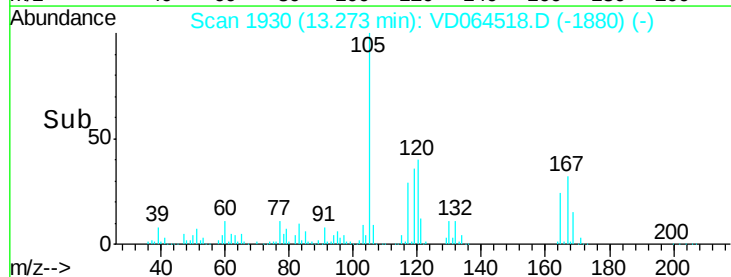
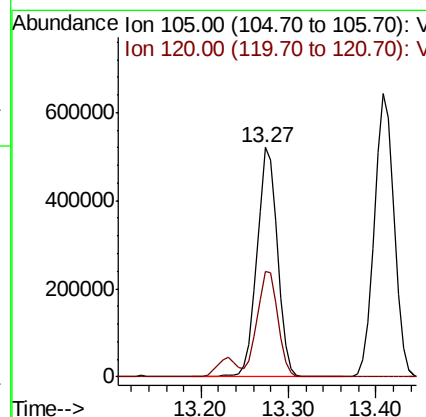
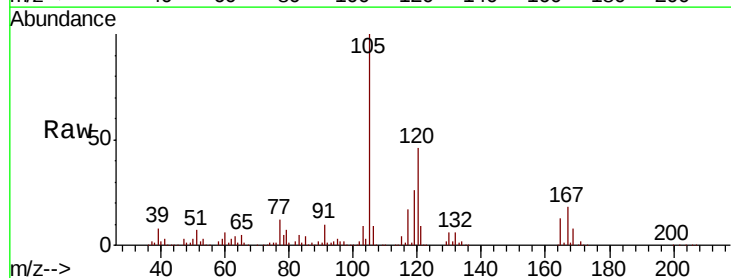
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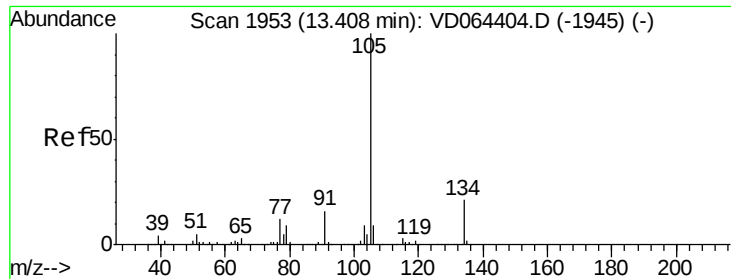
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#84
1,2,4-Trimethylbenzene
Concen: 53.770 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.01 min
Lab File: VD064518.D
Acq: 16 Dec 2019 11:27

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.4	23.6	70.8





#85

sec-Butylbenzene

Concen: 55.703 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD064518.D

Acq: 16 Dec 2019 11:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1013417

Ion Ratio Lower Upper

105 100

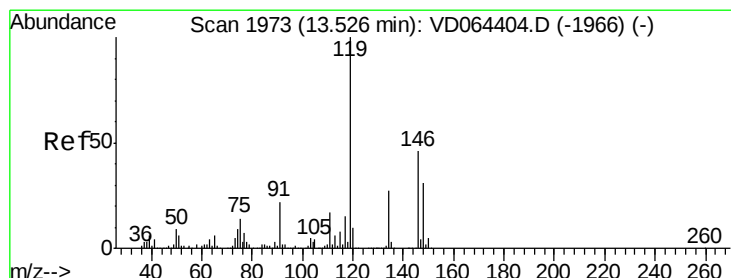
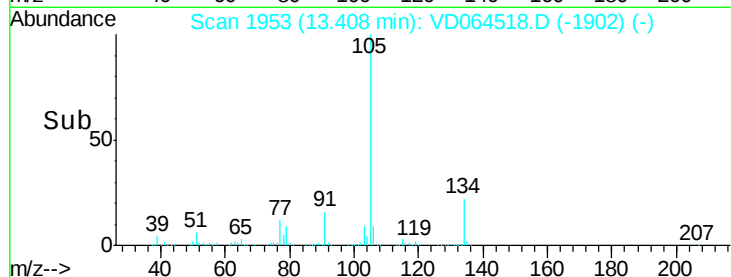
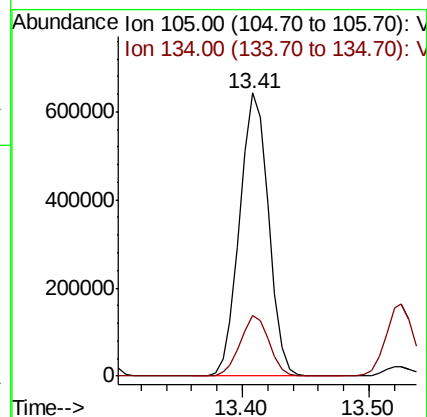
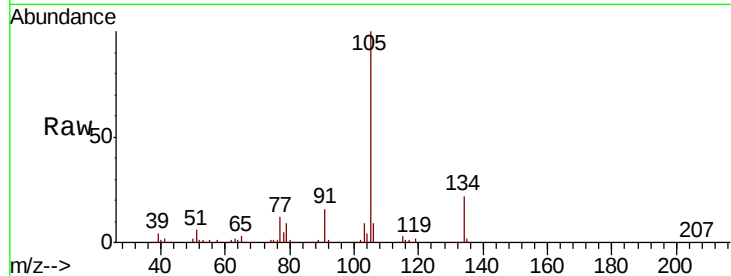
134 21.4 10.5 31.5

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#86

p-Isopropyltoluene

Concen: 54.713 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD064518.D

Acq: 16 Dec 2019 11:27

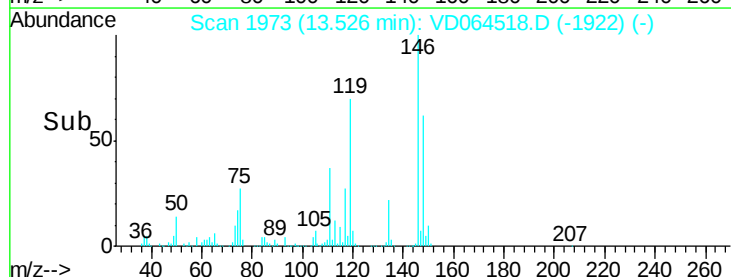
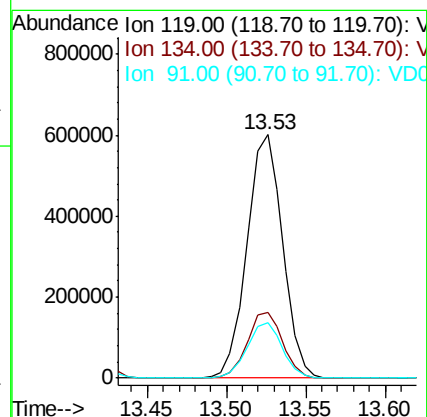
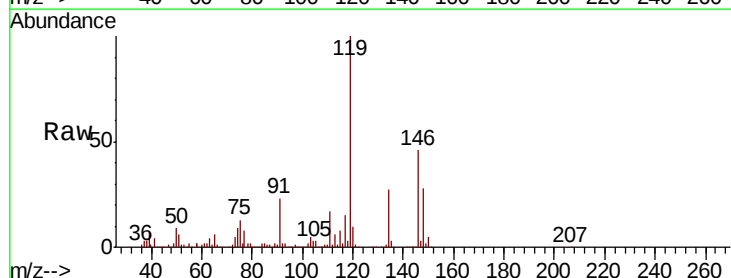
Tgt Ion:119 Resp: 939754

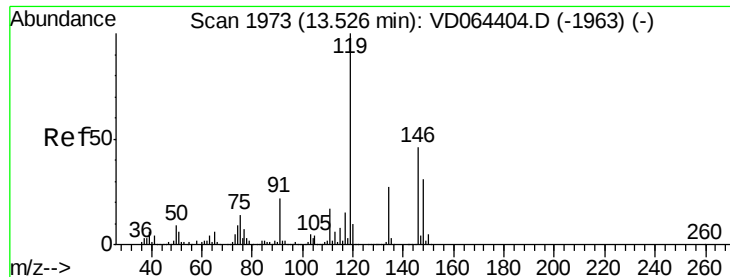
Ion Ratio Lower Upper

119 100

134 26.9 13.5 40.4

91 22.5 11.2 33.5





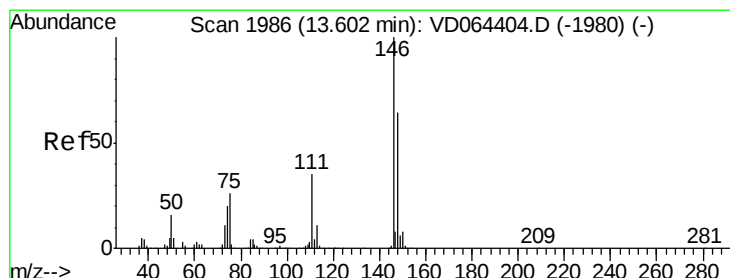
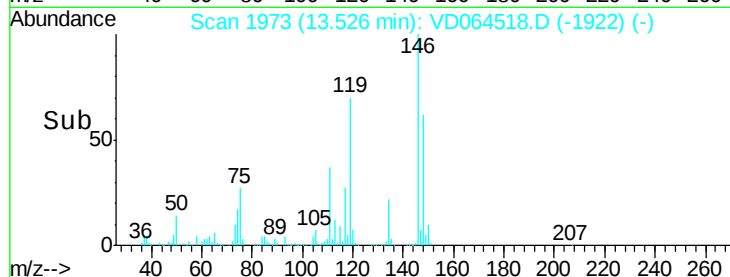
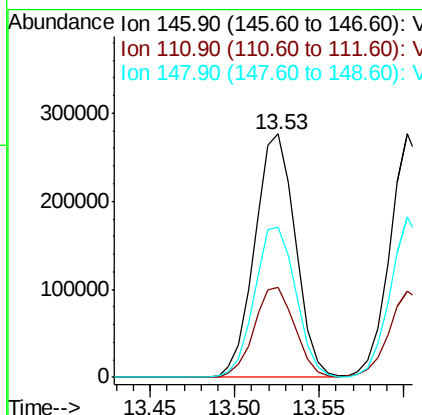
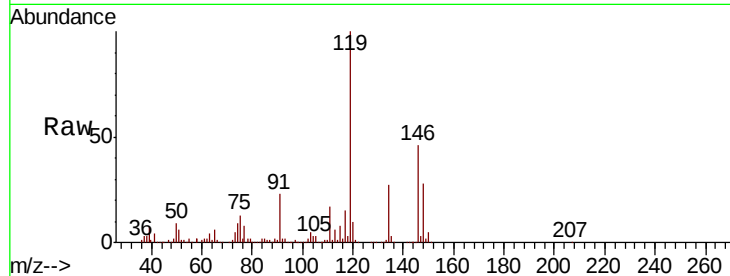
#87
 1,3-Dichlorobenzene
 Concen: 52.942 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD064518.D
 Acq: 16 Dec 2019 11:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.8	56.4
148	62.8	32.6	97.8

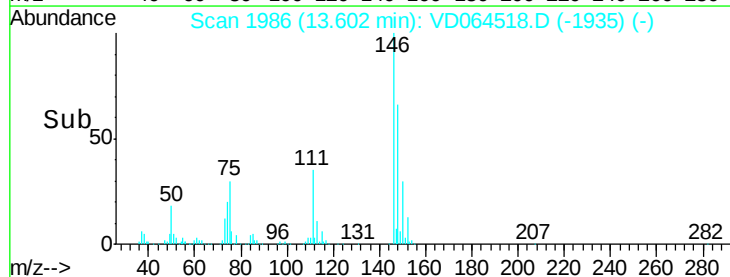
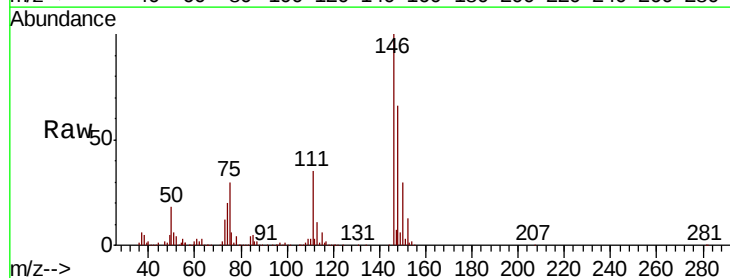
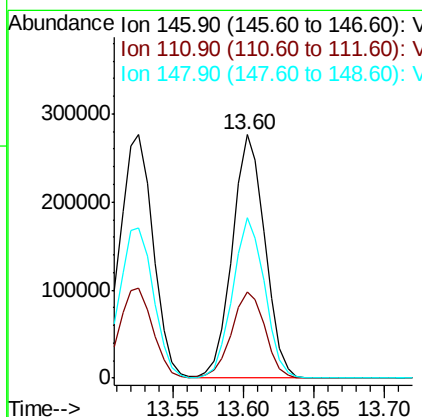
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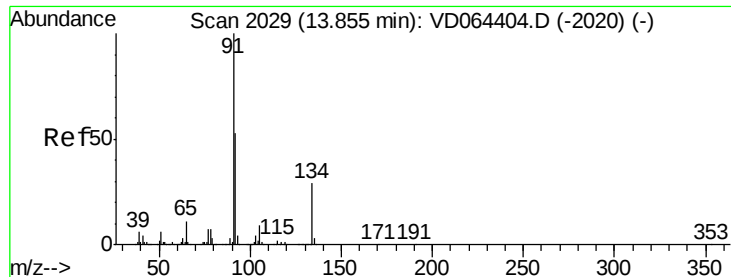
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#88
 1,4-Dichlorobenzene
 Concen: 51.616 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD064518.D
 Acq: 16 Dec 2019 11:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.2	18.2	54.6
148	65.1	31.8	95.4





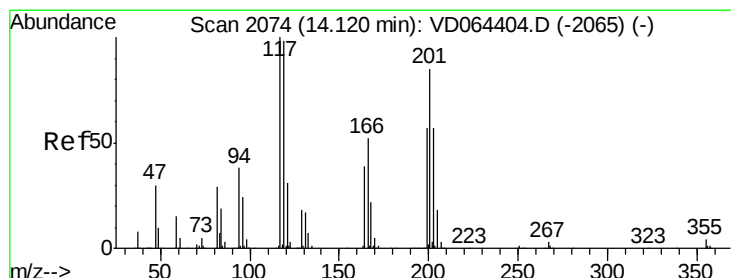
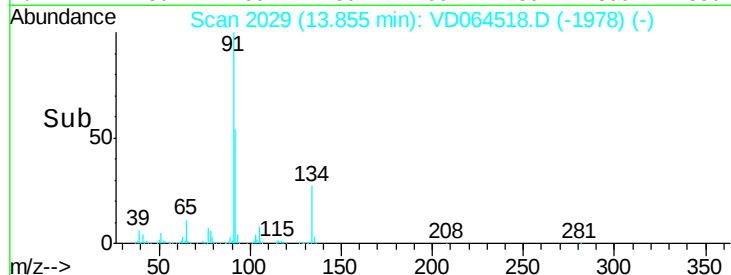
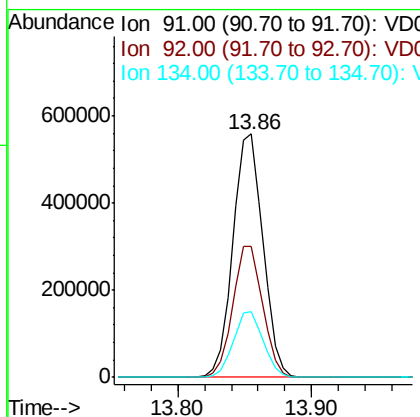
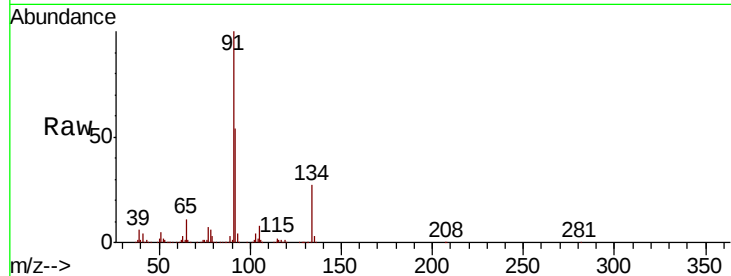
#89
n-Butylbenzene
Concen: 56.001 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD064518.D
Acq: 16 Dec 2019 11:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.8	26.5	79.4
134	26.9	13.9	41.7

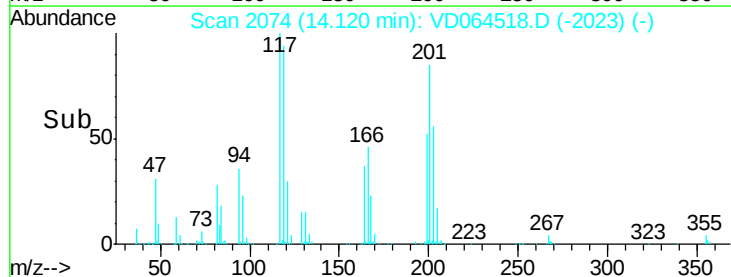
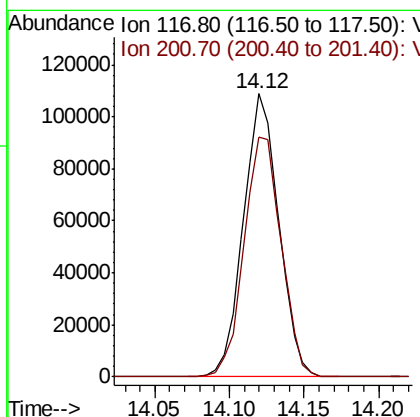
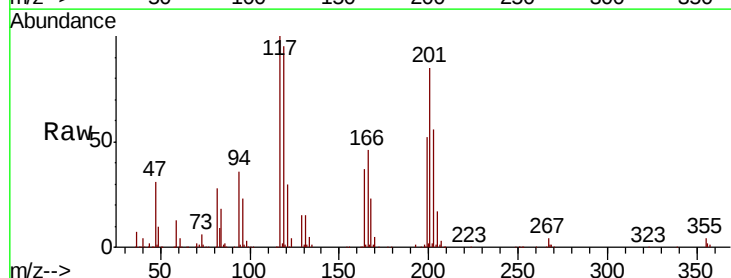
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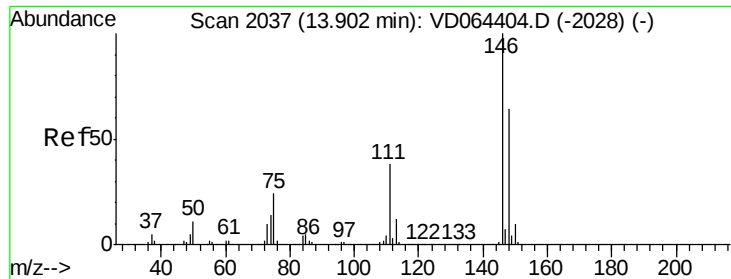
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#90
Hexachloroethane
Concen: 55.354 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD064518.D
Acq: 16 Dec 2019 11:27

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.0	44.3	132.8





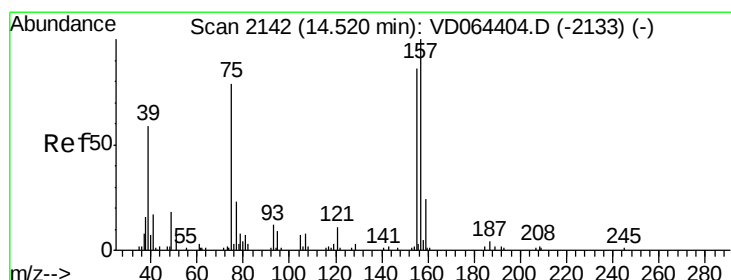
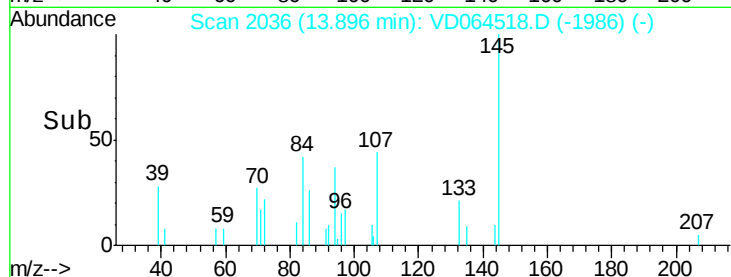
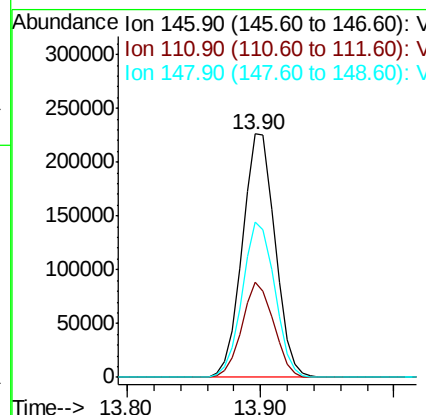
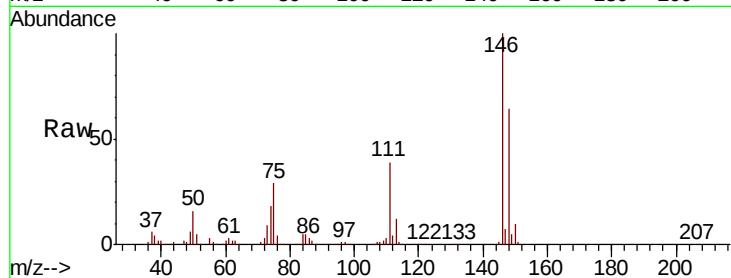
#91
 1,2-Dichlorobenzene
 Concen: 51.202 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD064518.D
 Acq: 16 Dec 2019 11:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.1	57.3
148	63.3	32.0	96.0

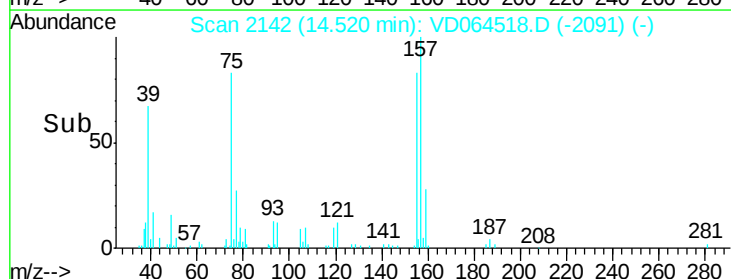
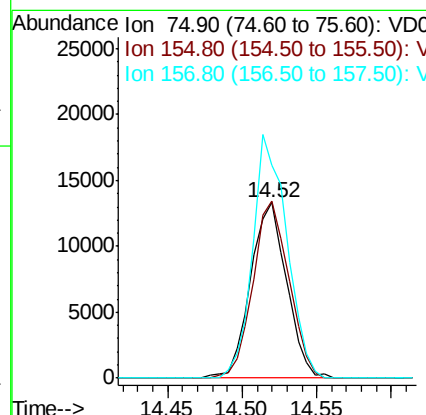
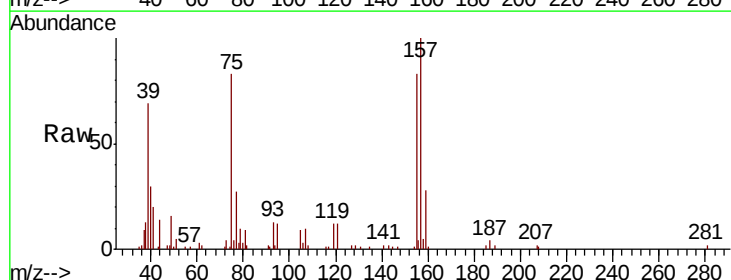
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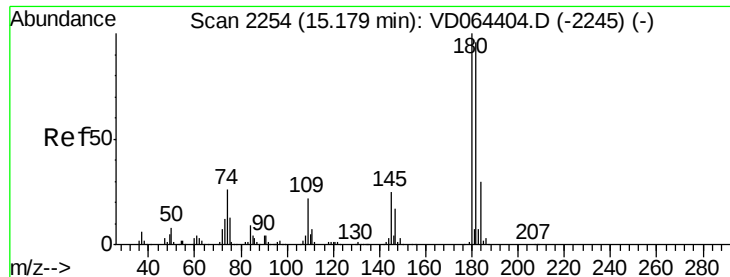
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.320 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD064518.D
 Acq: 16 Dec 2019 11:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.2	51.9	155.7
157	130.4	63.2	189.8





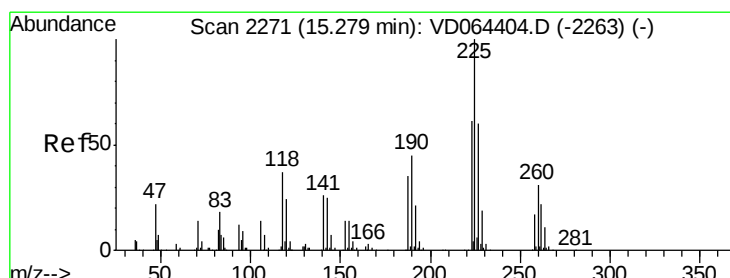
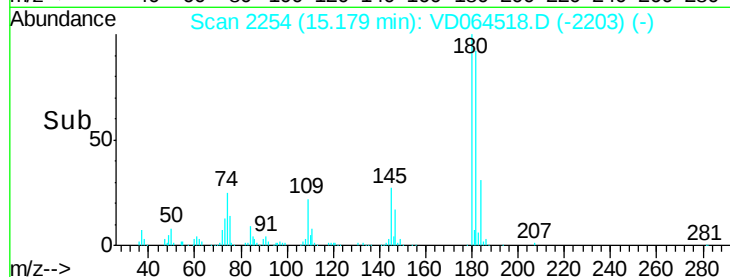
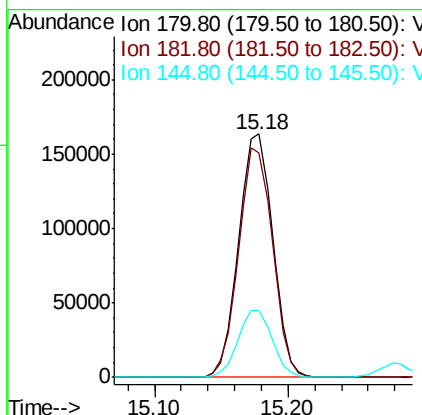
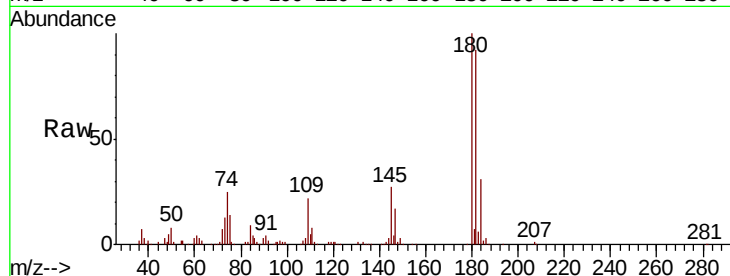
#93
 1,2,4-Trichlorobenzene
 Concen: 50.563 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. -0.00 min
 Lab File: VD064518.D
 Acq: 16 Dec 2019 11:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	289407		
182	94.0	47.4	142.3	
145	27.7	14.0	41.9	

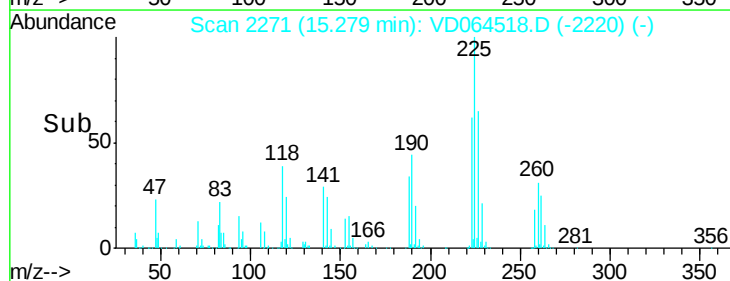
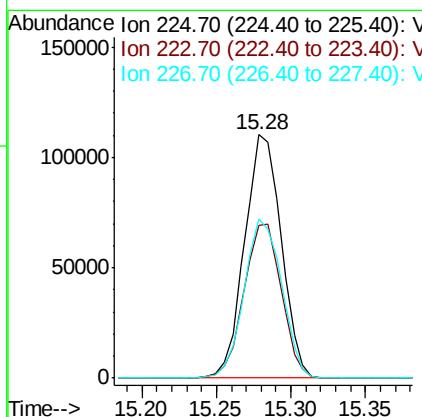
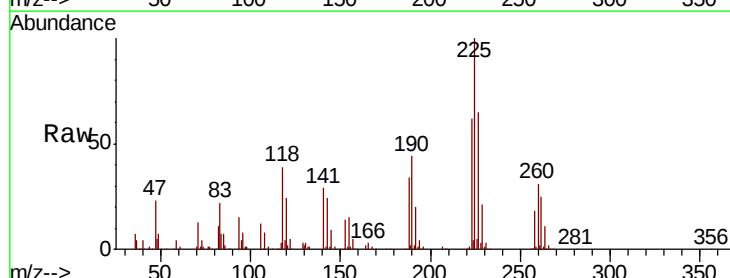
Manual Integrations
 APPROVED

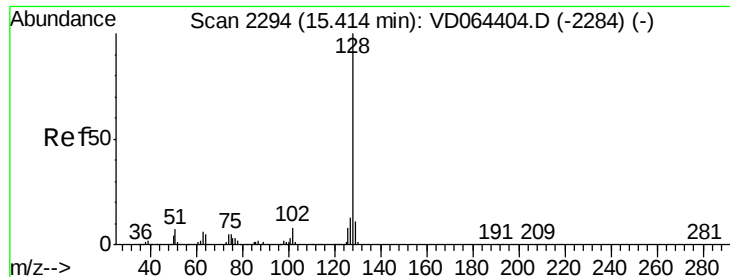
apatel
 12/17/2019 4:49:06 PM



#94
 Hexachlorobutadiene
 Concen: 53.034 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD064518.D
 Acq: 16 Dec 2019 11:27

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	187395		
223	64.6	31.1	93.3	
227	66.8	31.8	95.4	





#95

Naphthalene

Concen: 47.353 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. -0.00 min

Lab File: VD064518.D

Acq: 16 Dec 2019 11:27

Instrument :

MSVOA_D

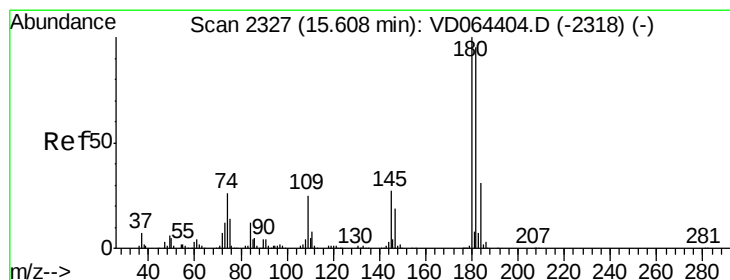
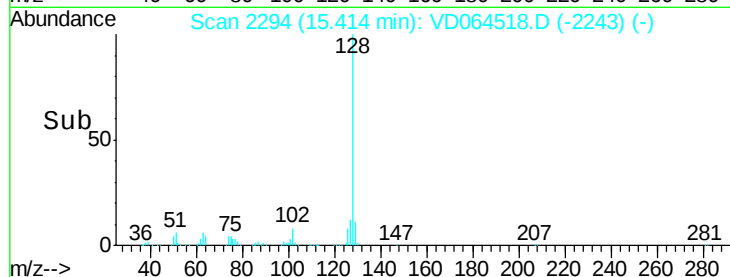
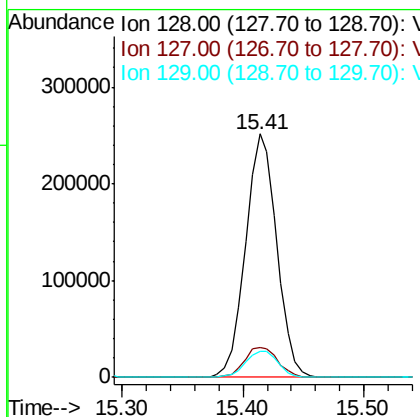
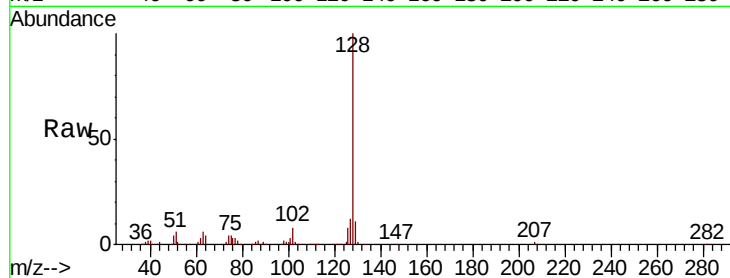
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	452328
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.5	15.7
129	11.3	8.8	13.2

Manual Integrations
APPROVED

apatel
12/17/2019 4:49:06 PM



#96

1,2,3-Trichlorobenzene

Concen: 49.966 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. -0.00 min

Lab File: VD064518.D

Acq: 16 Dec 2019 11:27

Tgt Ion:	180	Resp:	244125
Ion Ratio	Lower	Upper	
180	100		
182	95.2	47.6	142.9
145	29.8	14.6	43.8

