

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122719\
 Data File : VD064657.D
 Acq On : 27 Dec 2019 22:28
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 12/30/2019 11:03:21 AM

Quant Time: Dec 30 04:02:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	374988	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	560460	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	506257	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	250884	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	186116	56.29	ug/l	0.00
Spiked Amount			Recovery	=	112.58%	
35) Dibromofluoromethane	7.92	113	184102	53.54	ug/l	0.00
Spiked Amount			Recovery	=	107.08%	
50) Toluene-d8	10.34	98	706242	53.63	ug/l	0.00
Spiked Amount			Recovery	=	107.26%	
62) 4-Bromofluorobenzene	12.64	95	225006	54.03	ug/l	0.00
Spiked Amount			Recovery	=	108.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	139509	47.872	ug/l	100
3) Chloromethane	2.21	50	213713	52.436	ug/l	98
4) Vinyl Chloride	2.35	62	251312	50.572	ug/l	96
5) Bromomethane	2.77	94	182731	50.573	ug/l	92
6) Chloroethane	2.92	64	174024	52.263	ug/l	99
7) Trichlorofluoromethane	3.27	101	428844	51.252	ug/l	99
8) Diethyl Ether	3.71	74	90288	54.339	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	169130	48.807	ug/l	99
10) Methyl Iodide	4.29	142	203718	54.730	ug/l	99
11) Tert butyl alcohol	5.25	59	53399	281.785	ug/l	97
12) 1,1-Dichloroethene	4.06	96	162481	49.250	ug/l	99
13) Acrolein	3.93	56	75268	284.998	ug/l	96
14) Allyl chloride	4.71	41	270390	52.567	ug/l	99
15) Acrylonitrile	5.43	53	188536	272.413	ug/l	98
16) Acetone	4.17	43	174925	251.408	ug/l	96
17) Carbon Disulfide	4.40	76	520546	48.797	ug/l	99
18) Methyl Acetate	4.73	43	99979	53.707	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	406261	55.441	ug/l	98
20) Methylene Chloride	4.96	84	190231	56.930	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	194316	51.719	ug/l	98
22) Diisopropyl ether	6.37	45	567408	55.305	ug/l	98
23) Vinyl Acetate	6.31	43	1621294	278.580	ug/l	99
24) 1,1-Dichloroethane	6.27	63	331253	53.782	ug/l	97
25) 2-Butanone	7.22	43	248450	273.351	ug/l	98
26) 2,2-Dichloropropane	7.21	77	270538	47.243	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	217537	53.649	ug/l	98
28) Bromochloromethane	7.55	49	142466	59.504	ug/l	99
29) Tetrahydrofuran	7.57	42	158072	279.662	ug/l	100
30) Chloroform	7.71	83	348409	53.917	ug/l	99
31) Cyclohexane	7.98	56	292440	47.433	ug/l	98
32) 1,1,1-Trichloroethane	7.91	97	314433	51.805	ug/l	100
36) 1,1-Dichloropropene	8.11	75	262672	48.693	ug/l	99
37) Ethyl Acetate	7.30	43	111918	52.811	ug/l	98
38) Carbon Tetrachloride	8.10	117	289261	50.288	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	314976	48.209	ug/l	100
40) Benzene	8.36	78	759465	51.573	ug/l	97
41) Methacrylonitrile	7.54	41	62582	50.898	ug/l	90
42) 1,2-Dichloroethane	8.43	62	227585	53.480	ug/l	99
43) Isopropyl Acetate	8.46	43	224329	53.183	ug/l	99
44) Trichloroethene	9.11	130	219798	50.808	ug/l	98
45) 1,2-Dichloropropane	9.39	63	188837	53.707	ug/l	100
46) Dibromomethane	9.48	93	105402	53.768	ug/l	99
47) Bromodichloromethane	9.67	83	272605	52.260	ug/l	99
48) Methyl methacrylate	9.46	41	103005	51.863	ug/l	89
49) 1,4-Dioxane	9.47	88	24544	1085.831	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	563490	270.270	ug/l	100
52) Toluene	10.40	92	499707	51.722	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	254702	52.372	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	302123	52.685	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	140340	53.121	ug/l	97
56) Ethyl methacrylate	10.66	69	180641	54.750	ug/l	100
57) 1,3-Dichloropropane	10.95	76	238307	52.389	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	326873	260.036	ug/l	99
59) 2-Hexanone	10.99	43	392502	277.372	ug/l	98
60) Dibromochloromethane	11.14	129	193093	52.854	ug/l	99
61) 1,2-Dibromoethane	11.25	107	140644	53.975	ug/l	98
64) Tetrachloroethene	10.88	164	204014	52.528	ug/l	97
65) Chlorobenzene	11.67	112	543341	51.711	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	204456	51.616	ug/l	99
67) Ethyl Benzene	11.75	91	967807	50.747	ug/l	99
68) m/p-Xylenes	11.86	106	738759	100.359	ug/l	98
69) o-Xylene	12.18	106	338140	50.856	ug/l	98
70) Styrene	12.20	104	598140	51.251	ug/l	99
71) Bromoform	12.37	173	117752	52.128	ug/l #	100
73) Isopropylbenzene	12.48	105	909002	50.701	ug/l	99
74) N-amyl acetate	12.29	43	202622	52.869	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	147977	52.541	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	113760m	57.422	ug/l	
77) Bromobenzene	12.77	156	229271	52.044	ug/l	99
78) n-propylbenzene	12.83	91	1047534	50.083	ug/l	99
79) 2-Chlorotoluene	12.91	91	578130	50.316	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	746135	50.662	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	48370	51.064	ug/l	97
82) 4-Chlorotoluene	13.01	91	610770	49.950	ug/l	99
83) tert-Butylbenzene	13.23	119	648259	50.696	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	749109	51.072	ug/l	99
85) sec-Butylbenzene	13.41	105	877896	50.078	ug/l	100
86) p-Isopropyltoluene	13.53	119	842478	50.260	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	426835	50.825	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	419417	50.838	ug/l	99
89) n-Butylbenzene	13.85	91	756058	50.086	ug/l	99
90) Hexachloroethane	14.12	117	157097	49.062	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	365746	51.074	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	23027	50.434	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	266911	50.620	ug/l	99
94) Hexachlorobutadiene	15.28	225	157048	47.332	ug/l	98
95) Naphthalene	15.41	128	434742	52.117	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	225551	50.107	ug/l	99

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

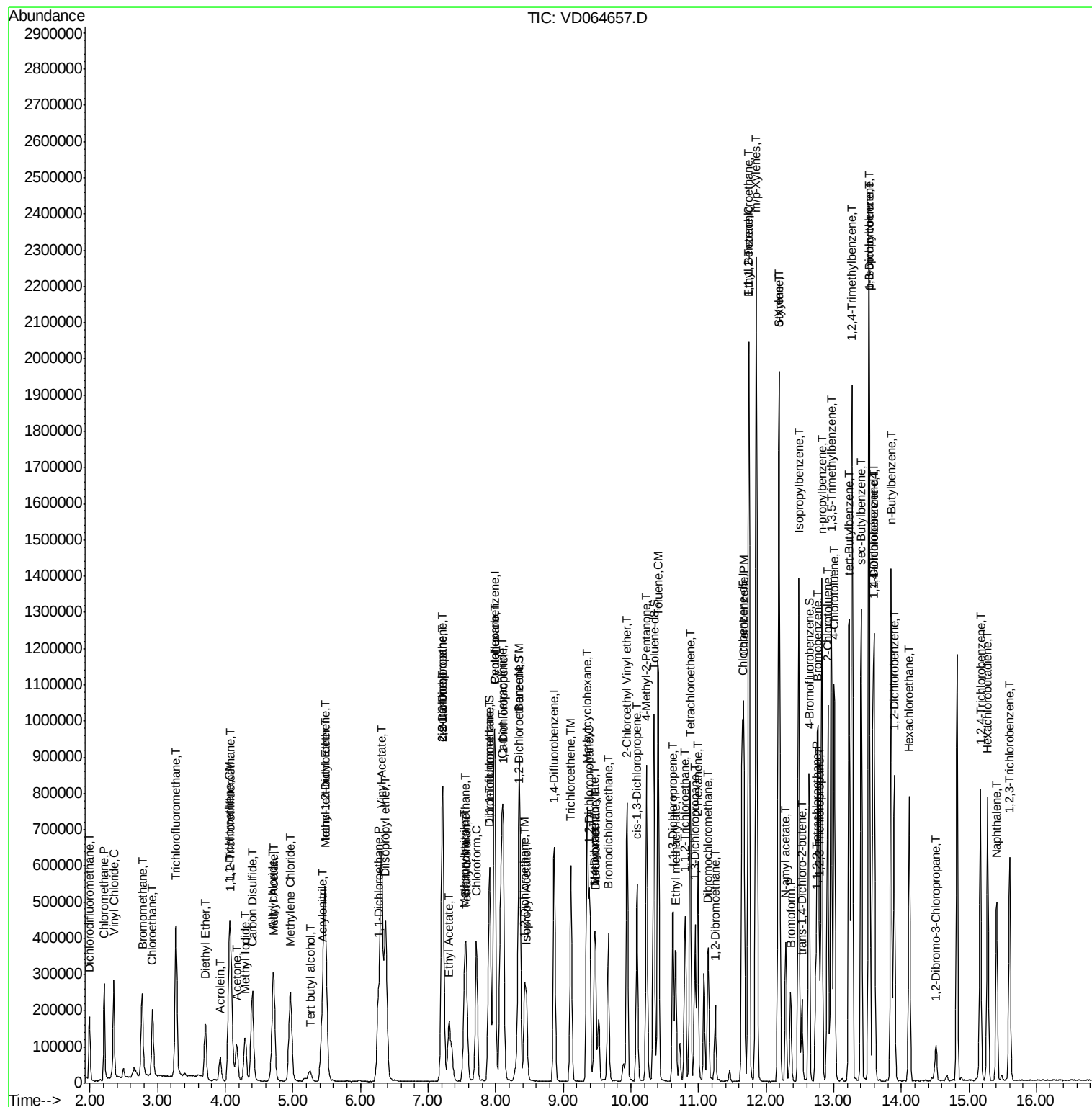
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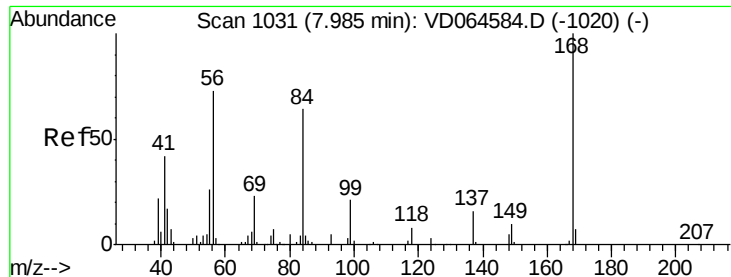
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064657.D

Acq: 27 Dec 2019 22:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 374988

Ion Ratio Lower Upper

168 100

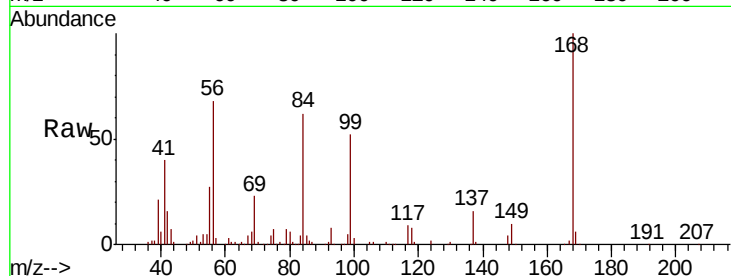
99 52.1 41.8 62.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

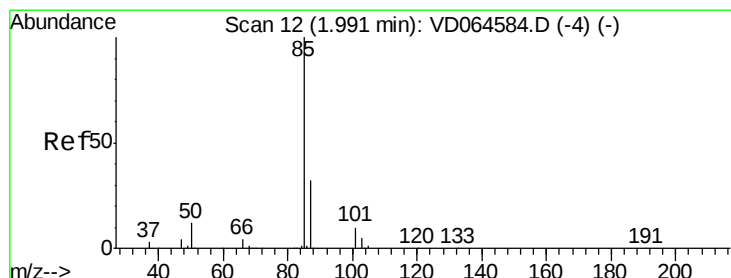
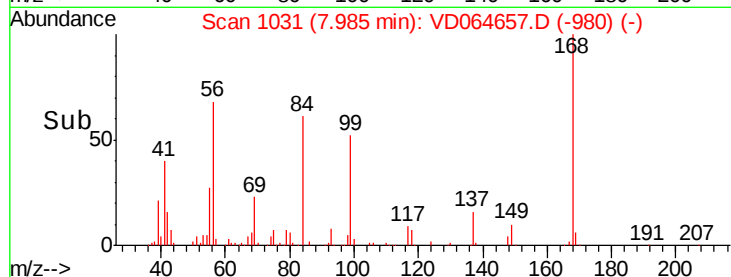
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50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 47.872 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064657.D

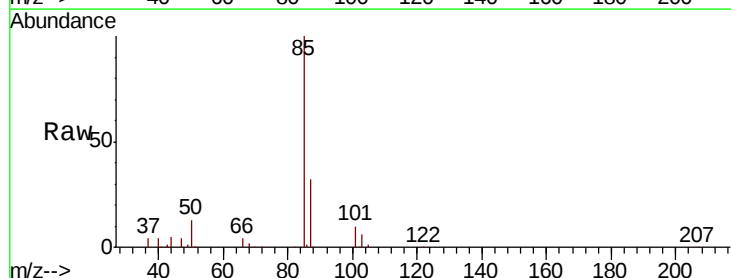
Acq: 27 Dec 2019 22:28

Tgt Ion: 85 Resp: 139509

Ion Ratio Lower Upper

85 100

87 32.0 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

100000

80000

60000

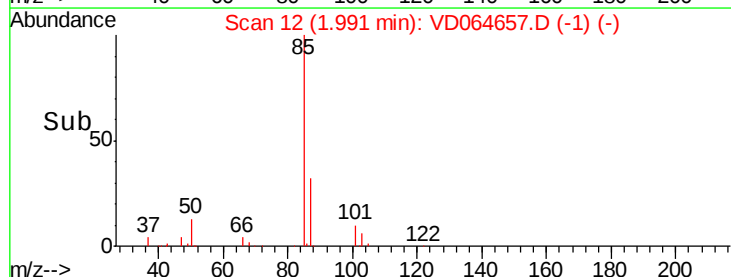
40000

20000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 52.436 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064657.D

Acq: 27 Dec 2019 22:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 213713

Ion Ratio Lower Upper

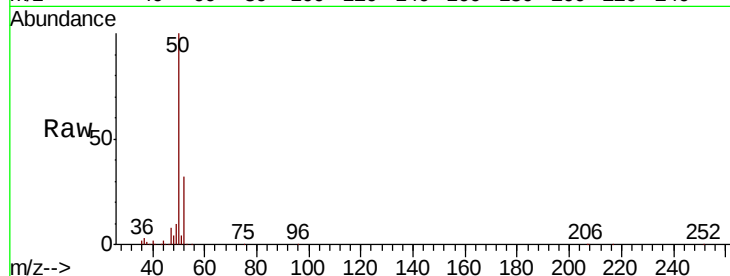
50 100

52 32.1 26.5 39.7

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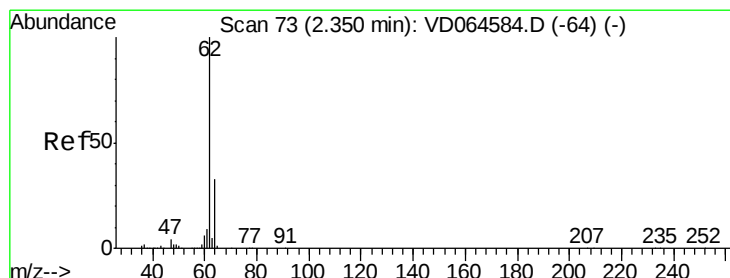
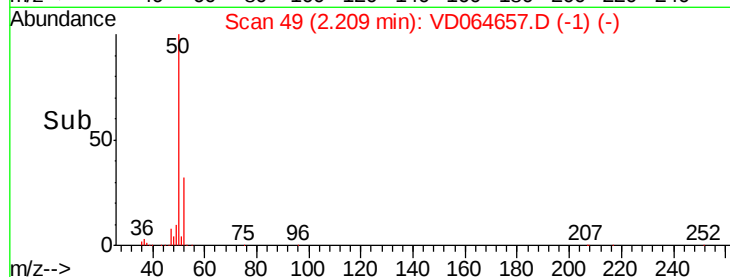
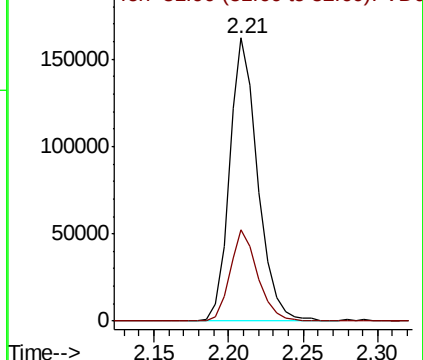
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 50.572 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064657.D

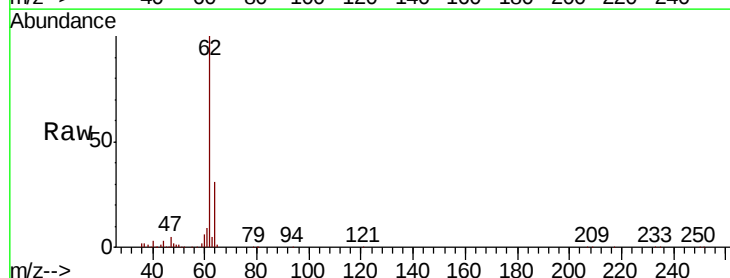
Acq: 27 Dec 2019 22:28

Tgt Ion: 62 Resp: 251312

Ion Ratio Lower Upper

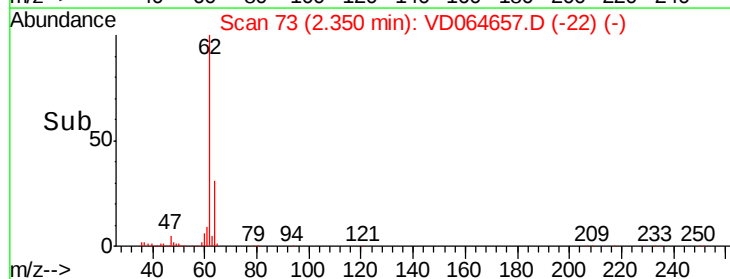
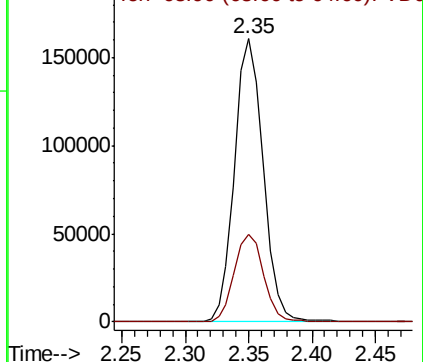
62 100

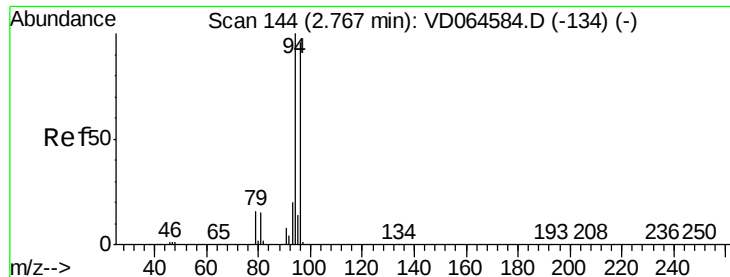
64 30.9 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 50.573 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD064657.D

Acq: 27 Dec 2019 22:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 182731

Ion Ratio Lower Upper

94 100

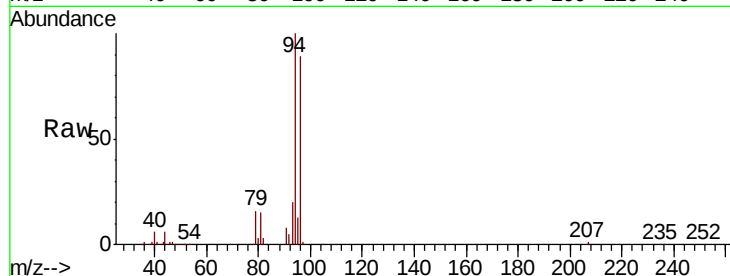
96 89.0 77.2 115.8

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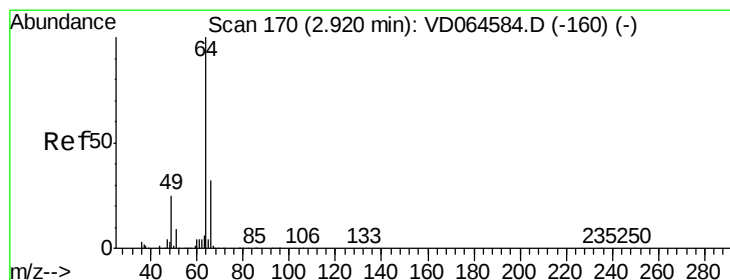
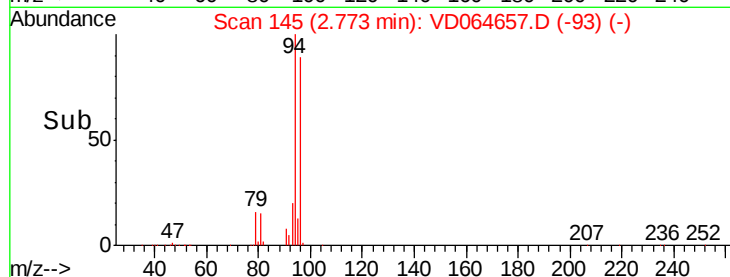
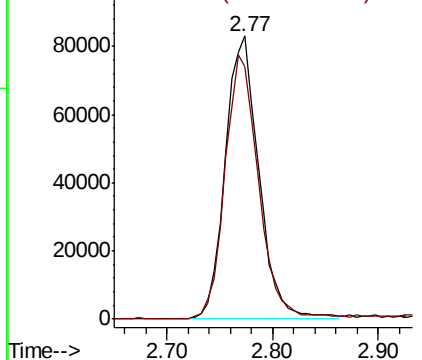
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 52.263 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064657.D

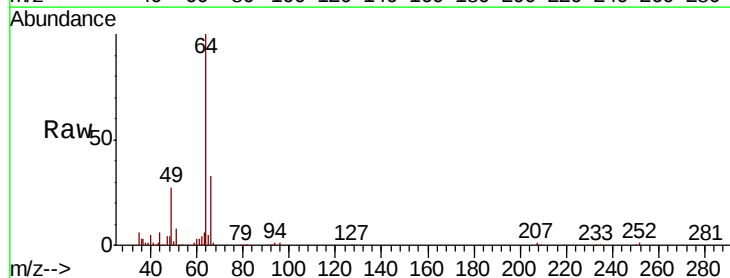
Acq: 27 Dec 2019 22:28

Tgt Ion: 64 Resp: 174024

Ion Ratio Lower Upper

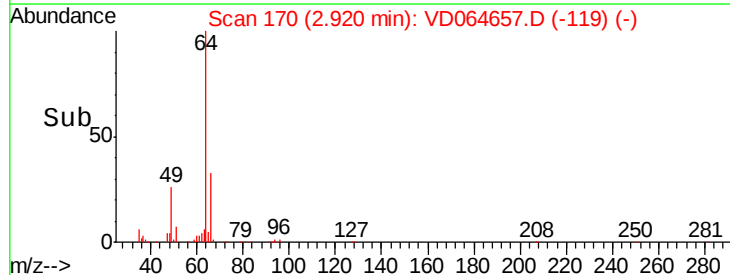
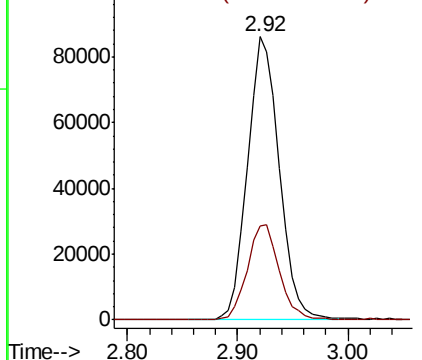
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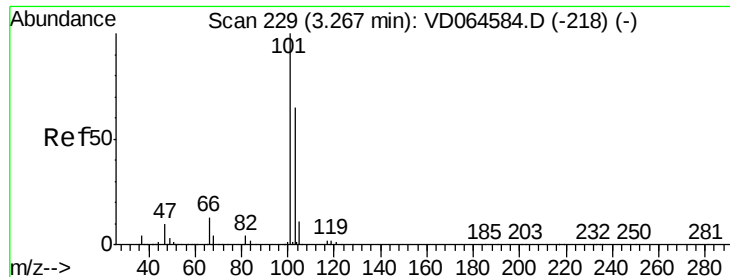
66 33.0 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

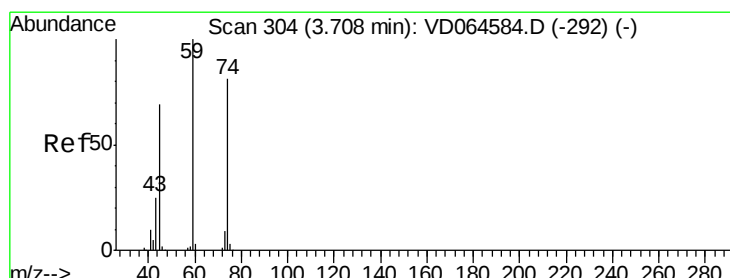
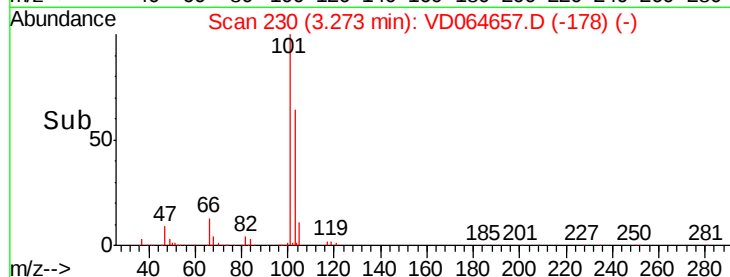
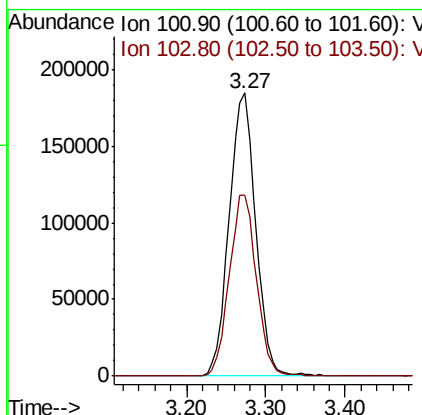
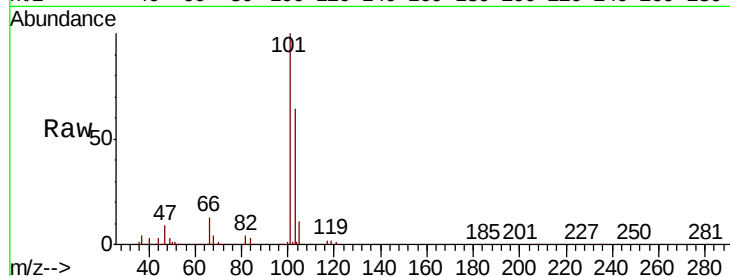
Trichlorofluoromethane
Concen: 51.252 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.01 min
Lab File: VD064657.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.2	52.2	78.4

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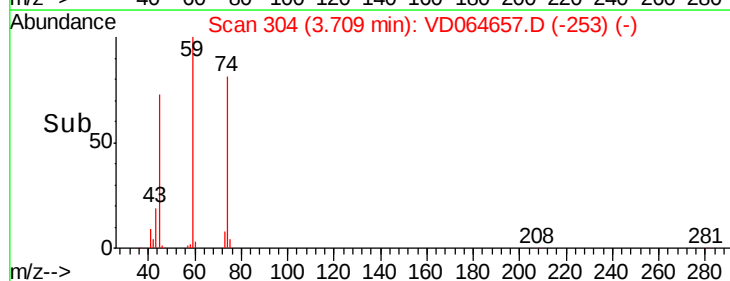
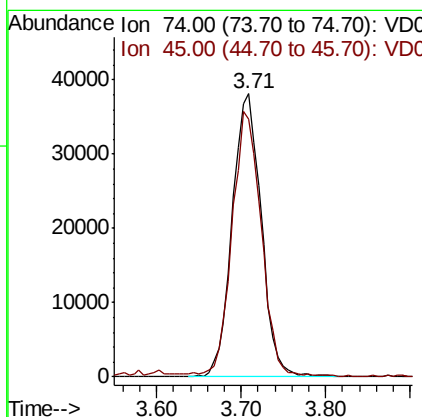
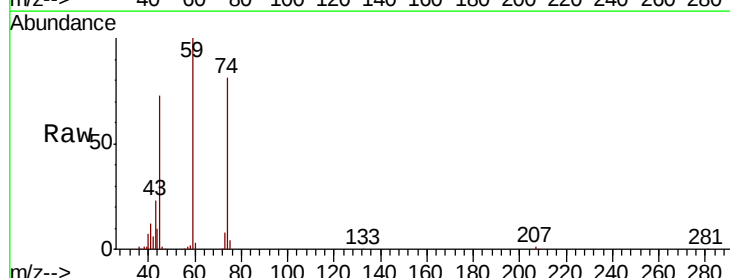
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#8

Diethyl Ether
Concen: 54.339 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD064657.D
Acq: 27 Dec 2019 22:28

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.6	47.5	142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.807 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064657.D

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MSVOA_D

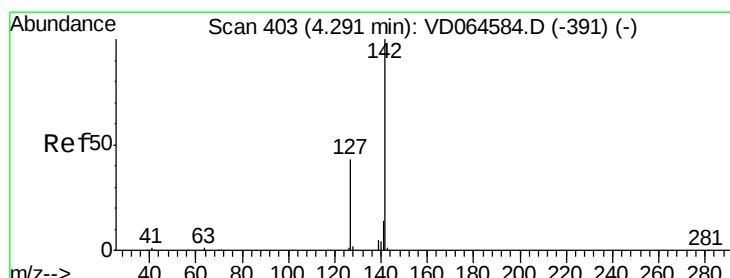
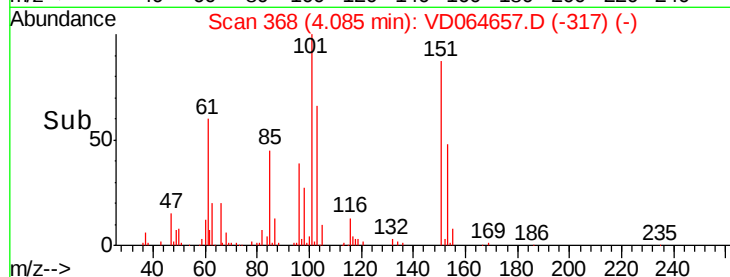
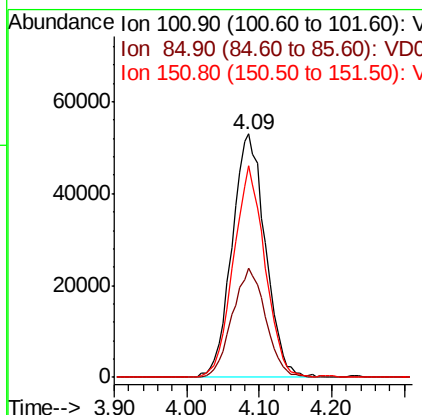
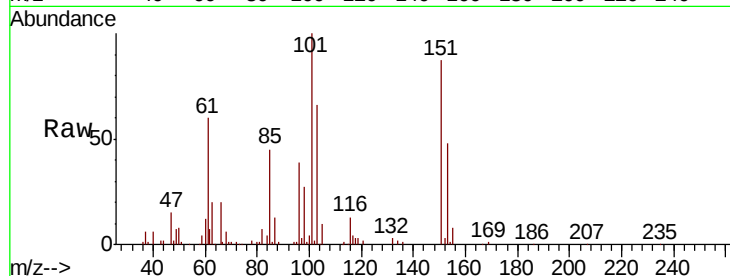
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	169130
Ion Ratio	Lower	Upper	
101	100		
85	44.8	35.2	52.8
151	82.2	66.2	99.4

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#10

Methyl Iodide

Concen: 54.730 ug/l

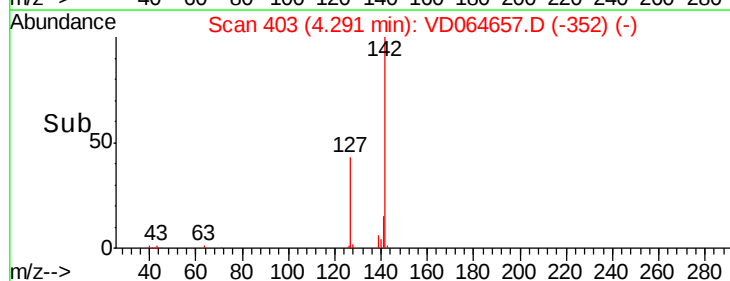
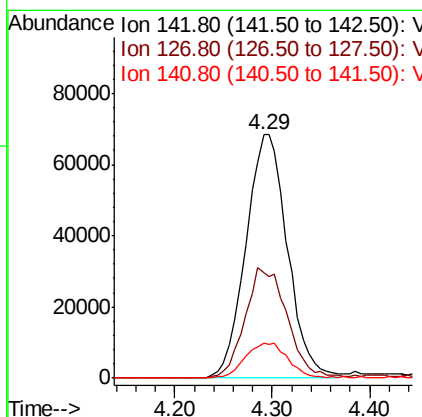
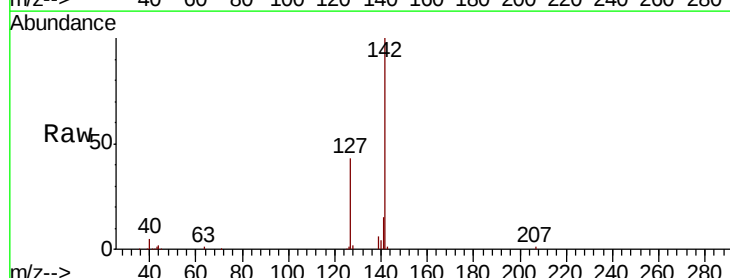
RT: 4.29 min Scan# 403

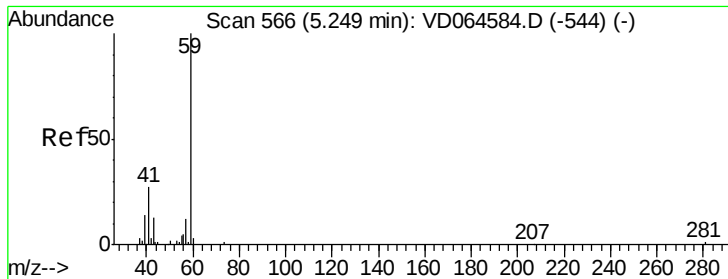
Delta R.T. 0.00 min

Lab File: VD064657.D

Acq: 27 Dec 2019 22:28

Tgt Ion:	142	Resp:	203718
Ion Ratio	Lower	Upper	
142	100		
127	46.0	36.2	54.4
141	14.7	11.8	17.8





#11

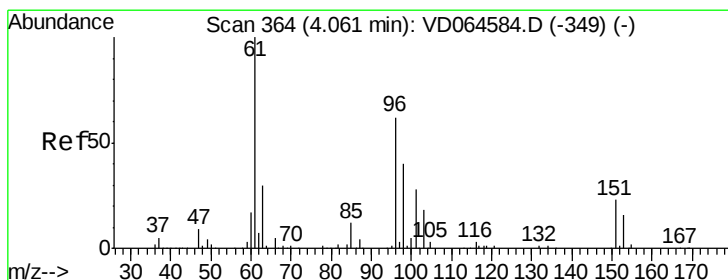
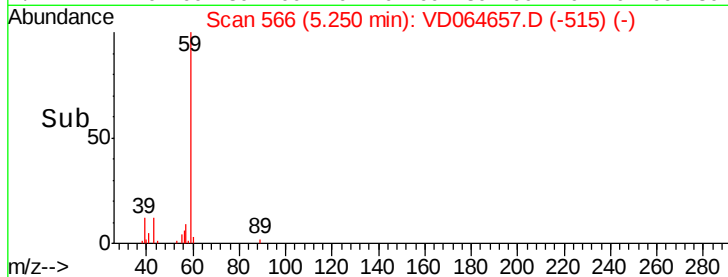
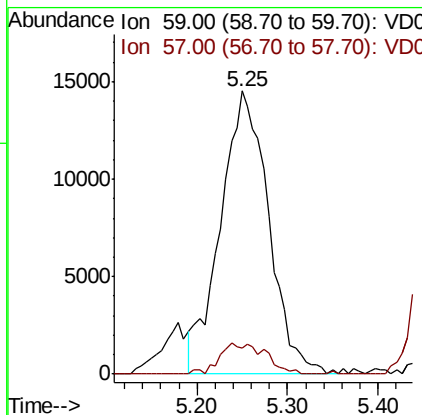
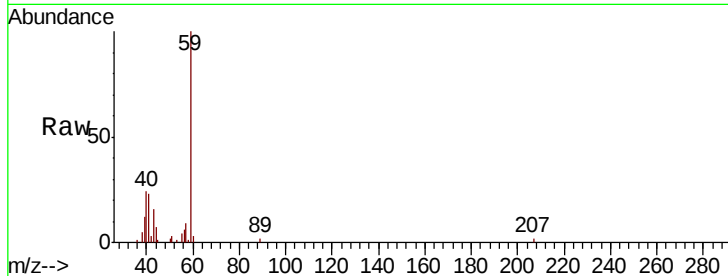
Tert butyl alcohol
 Concen: 281.785 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. 0.00 min
 Lab File: VD064657.D
 Acq: 27 Dec 2019 22:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	53399		
57	57	10.5		9.3	13.9

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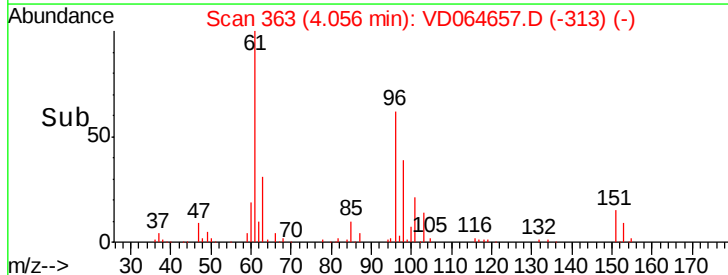
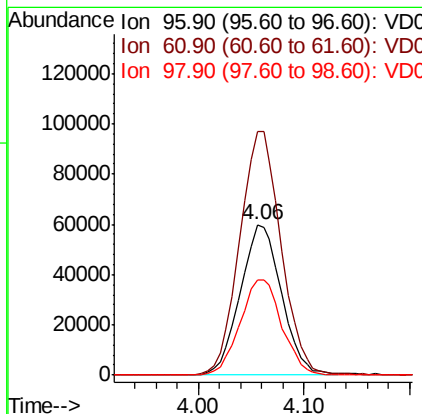
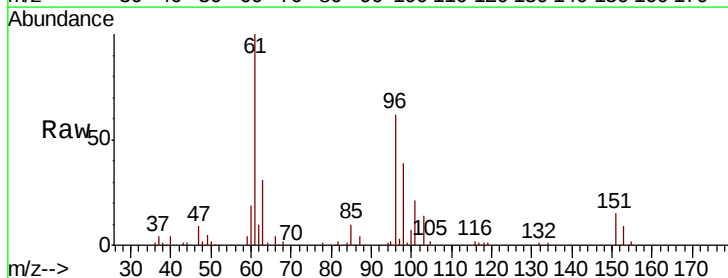
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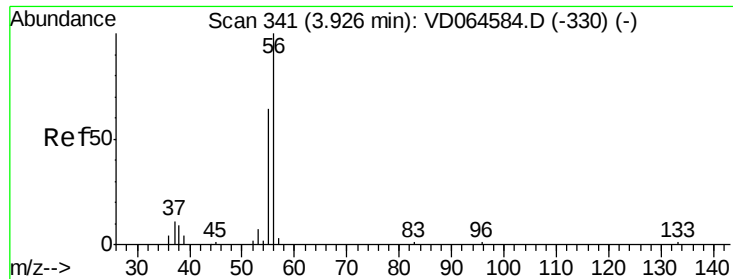


#12

1,1-Dichloroethene
 Concen: 49.250 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. -0.01 min
 Lab File: VD064657.D
 Acq: 27 Dec 2019 22:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	162481		
61	61	161.3		129.4	194.0
98	98	63.0		51.4	77.0





#13

Acrolein

Concen: 284.998 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD064657.D

Acq: 27 Dec 2019 22:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 75268

Ion Ratio Lower Upper

56 100

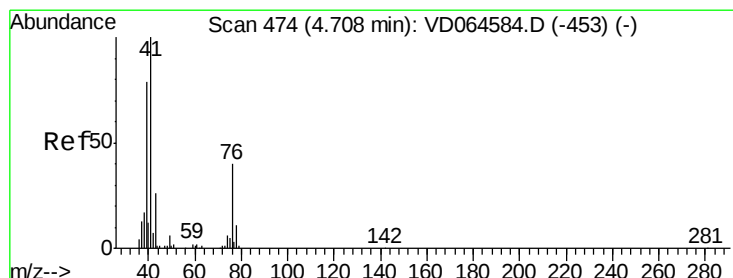
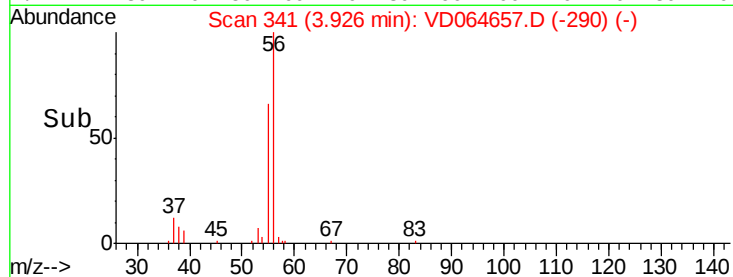
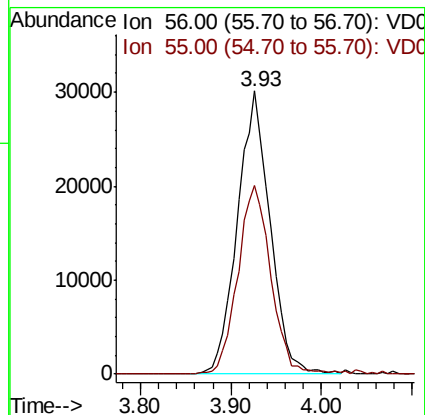
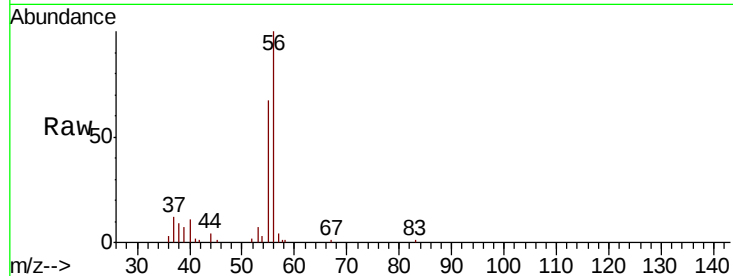
55 67.3 56.7 85.1

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#14

Allyl chloride

Concen: 52.567 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064657.D

Acq: 27 Dec 2019 22:28

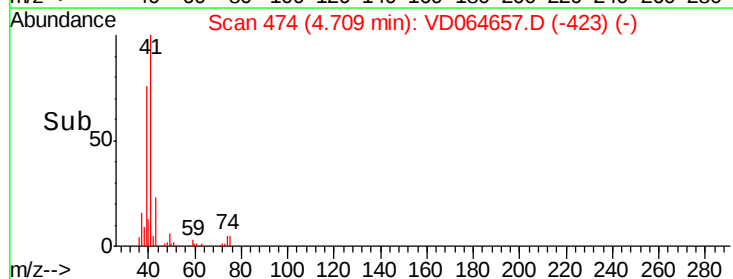
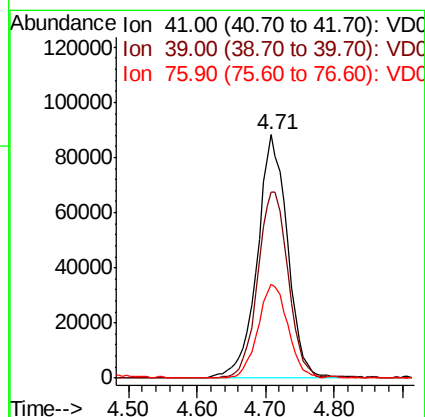
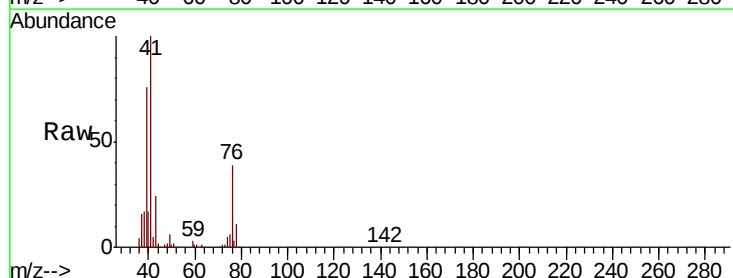
Tgt Ion: 41 Resp: 270390

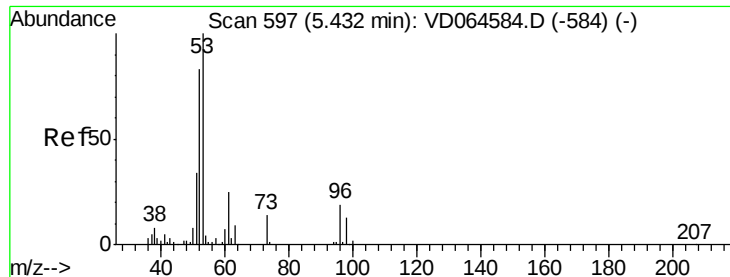
Ion Ratio Lower Upper

41 100

39 77.2 62.3 93.5

76 38.1 29.7 44.5





#15

Acrylonitrile

Concen: 272.413 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064657.D

Acq: 27 Dec 2019 22:28

Instrument :

MSVOA_D

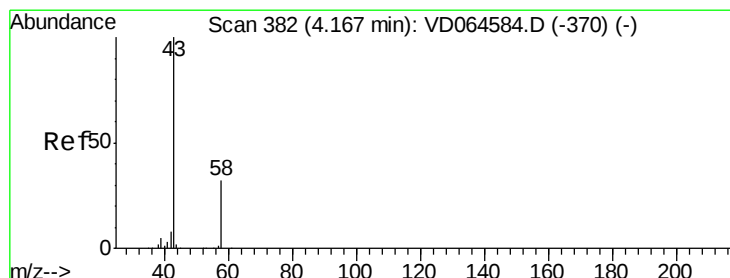
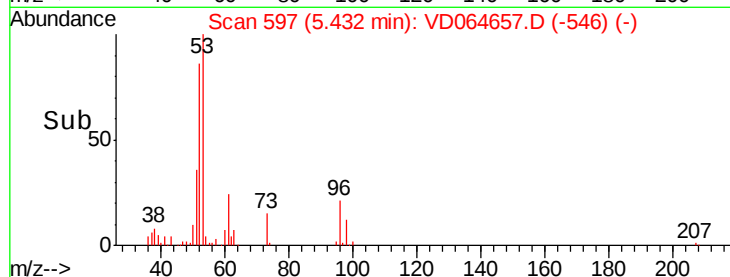
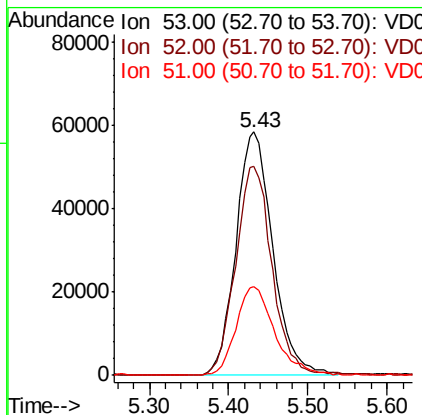
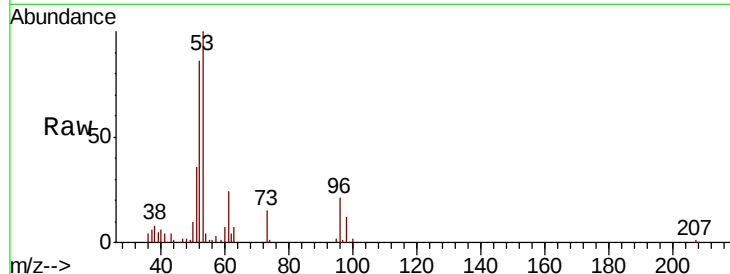
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	188536
Ion Ratio		Lower	Upper
53	100		
52	84.4	66.2	99.2
51	38.2	30.1	45.1

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#16

Acetone

Concen: 251.408 ug/l

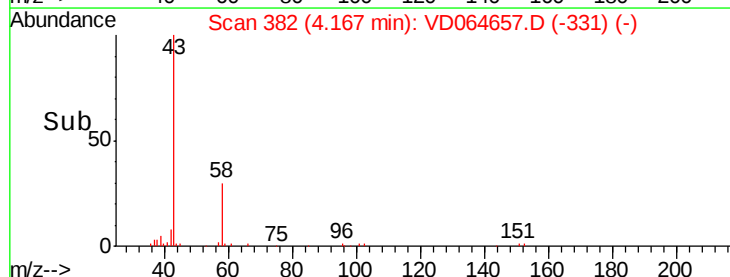
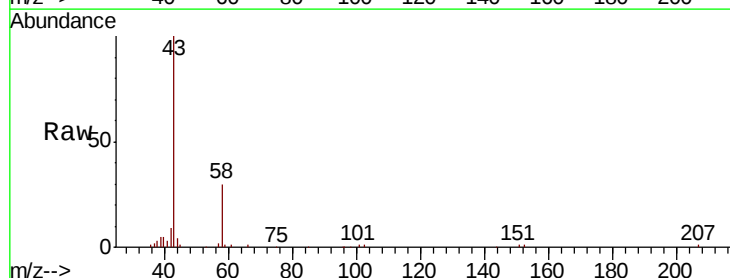
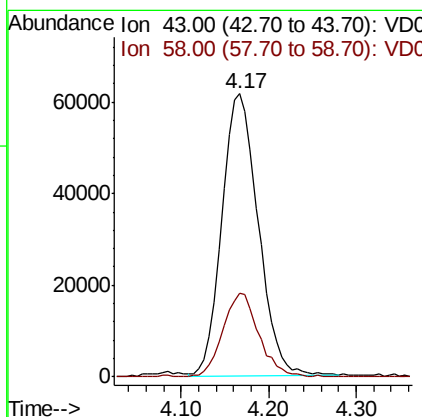
RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064657.D

Acq: 27 Dec 2019 22:28

Tgt Ion:	43	Resp:	174925
Ion Ratio		Lower	Upper
43	100		
58	29.8	25.8	38.6





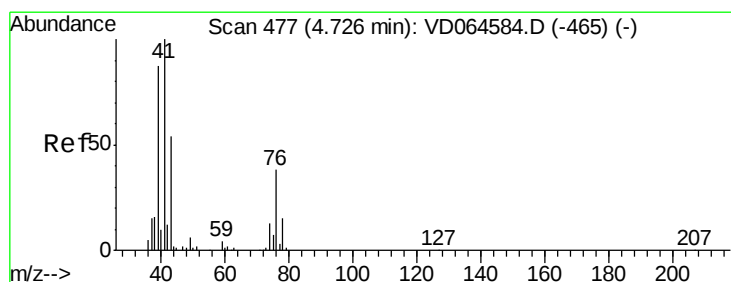
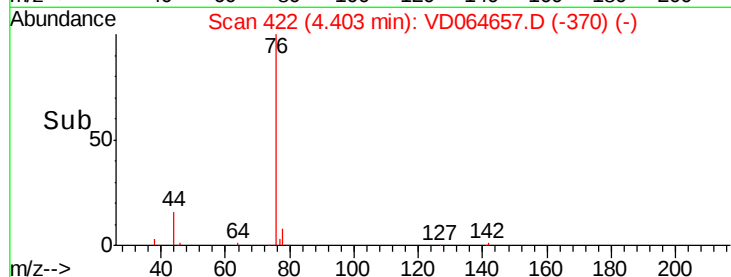
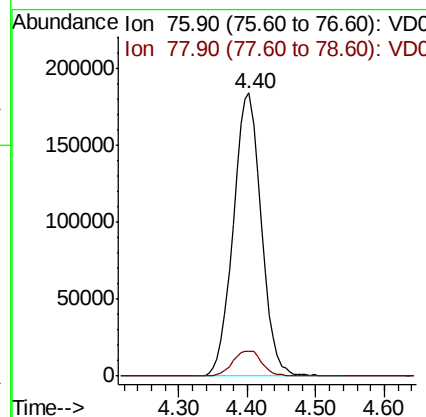
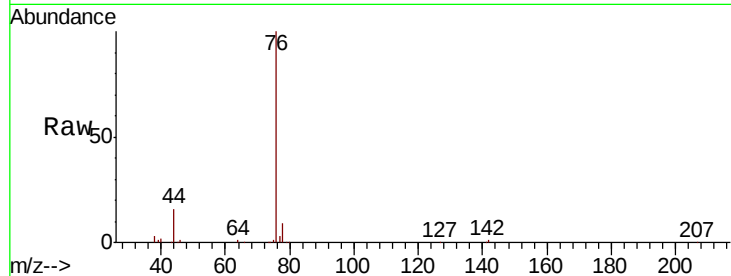
#17
Carbon Disulfide
Concen: 48.797 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD064657.D
Acq: 27 Dec 2019 22:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.3	10.9

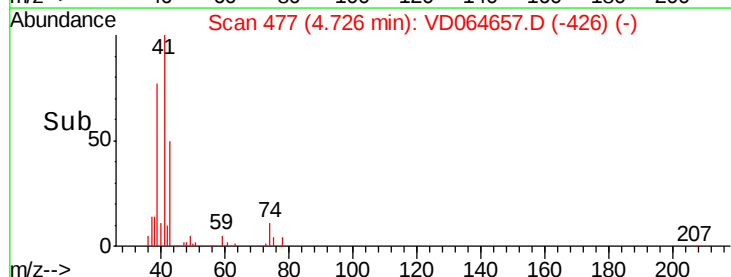
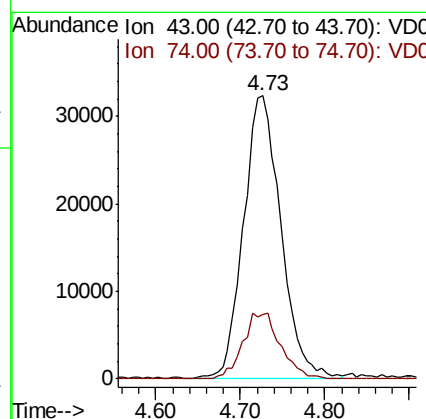
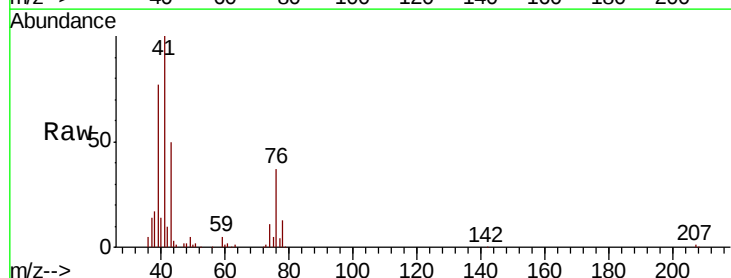
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#18
Methyl Acetate
Concen: 53.707 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD064657.D
Acq: 27 Dec 2019 22:28

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.3	19.2	28.8





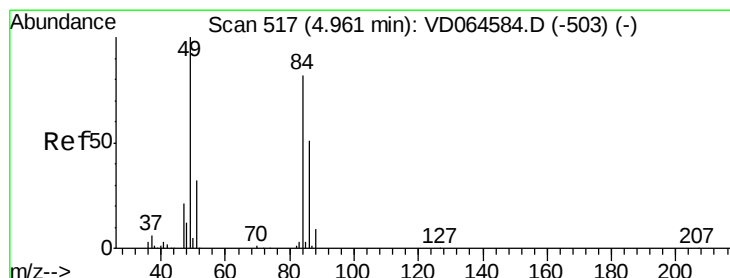
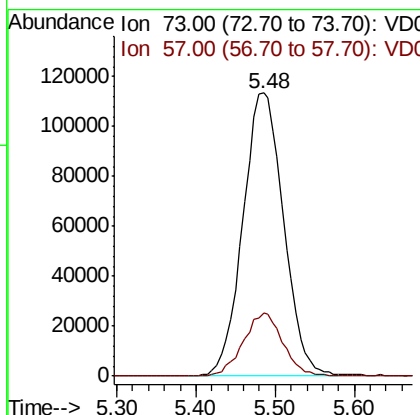
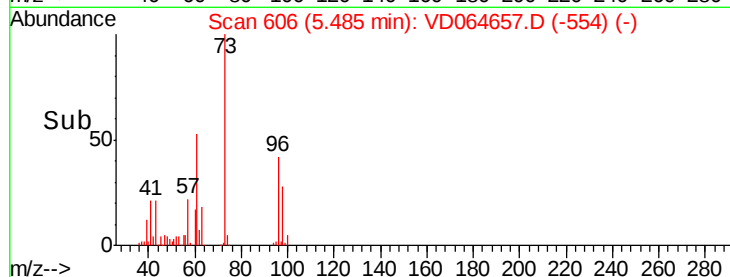
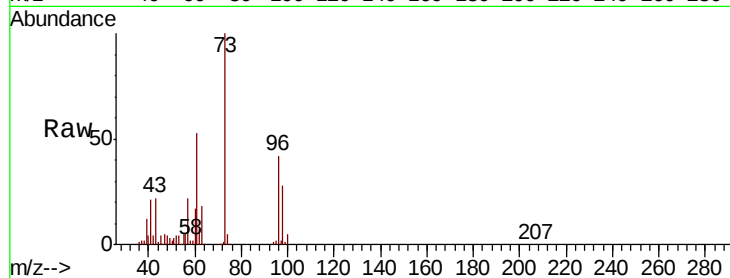
#19
Methvl tert-butvl Ether
Concen: 55.441 ug/l
RT: 5.48 min Scan# 606
Delta R.T. 0.01 min
Lab File: VD064657.D
Acq: 27 Dec 2019 22:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 406261
Ion Ratio Lower Upper
73 100
57 22.4 18.6 27.8

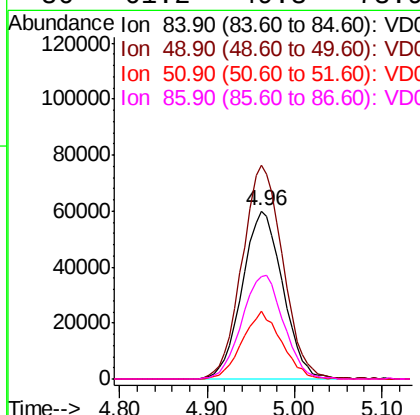
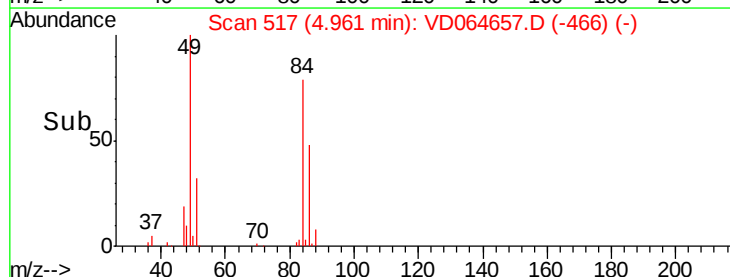
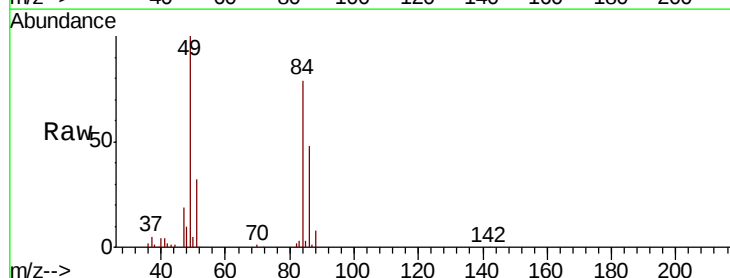
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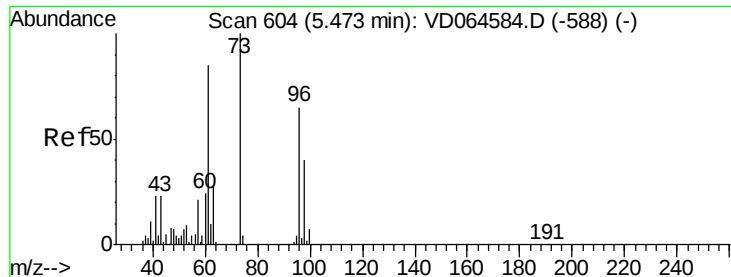
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#20
Methylene Chloride
Concen: 56.930 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064657.D
Acq: 27 Dec 2019 22:28

Tgt Ion: 84 Resp: 190231
Ion Ratio Lower Upper
84 100
49 126.9 97.2 145.8
51 40.3 31.4 47.0
86 61.2 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 51.719 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD064657.D

Acq: 27 Dec 2019 22:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 194316

Ion Ratio Lower Upper

96 100

61 133.4 104.7 157.1

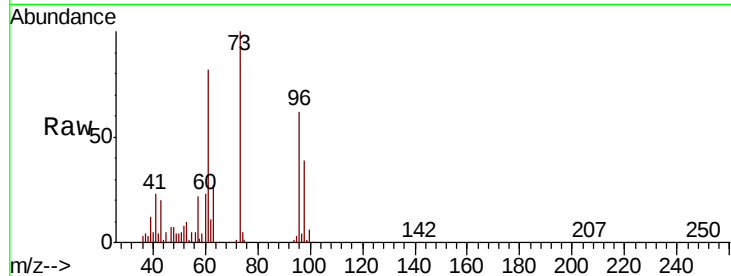
98 62.5 49.4 74.2

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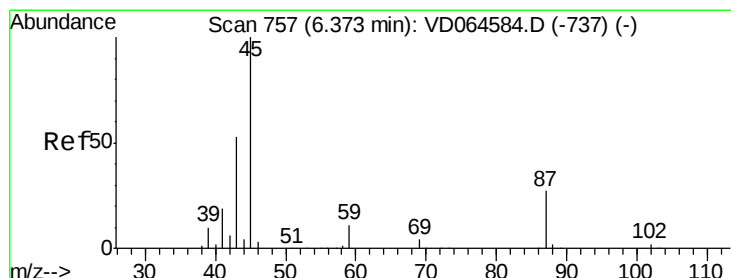
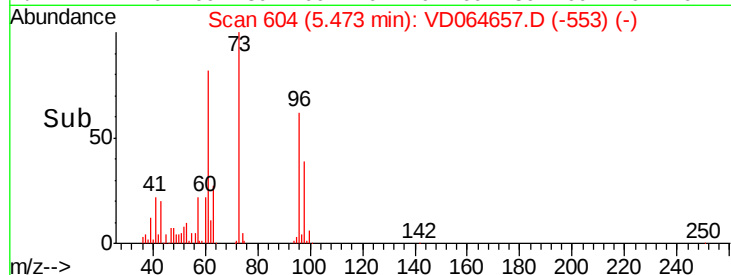
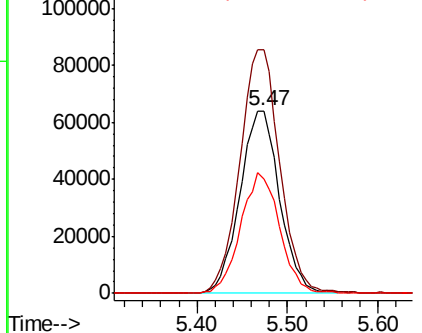
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Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 55.305 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.00 min

Lab File: VD064657.D

Acq: 27 Dec 2019 22:28

Tgt Ion: 45 Resp: 567408

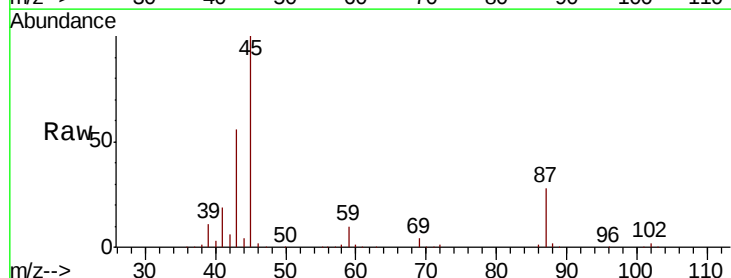
Ion Ratio Lower Upper

45 100

43 55.5 43.2 64.8

87 28.2 21.9 32.9

59 10.3 9.0 13.4

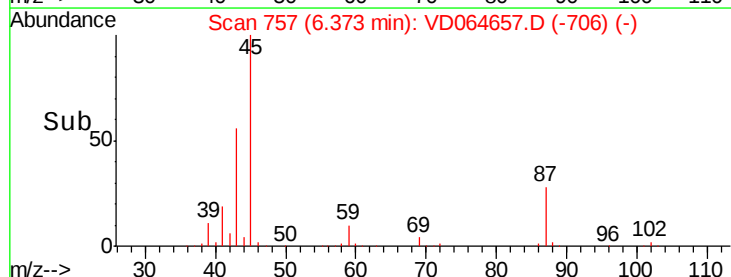
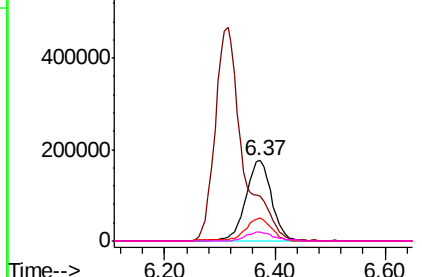


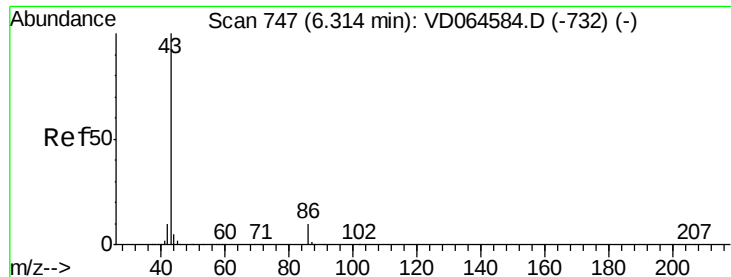
Abundance Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 278.580 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD064657.D

Acq: 27 Dec 2019 22:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1621294

Ion Ratio Lower Upper

43 100

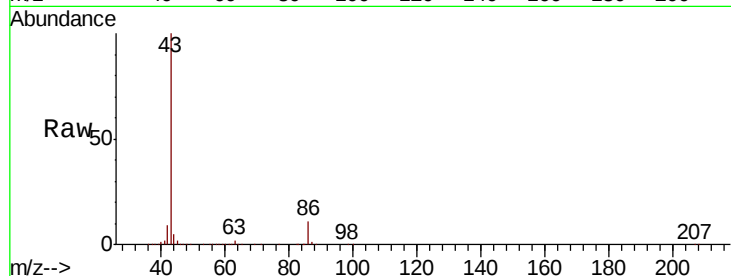
86 10.6 8.3 12.5

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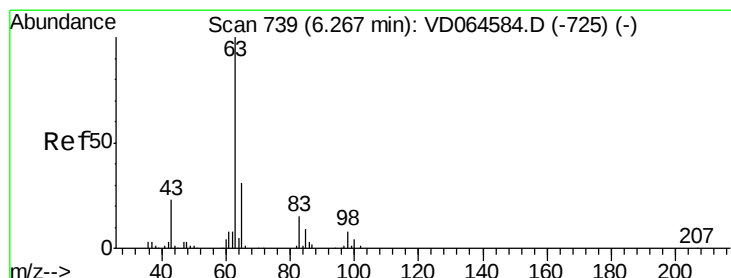
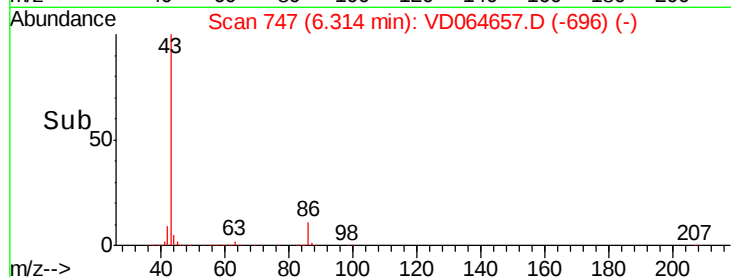
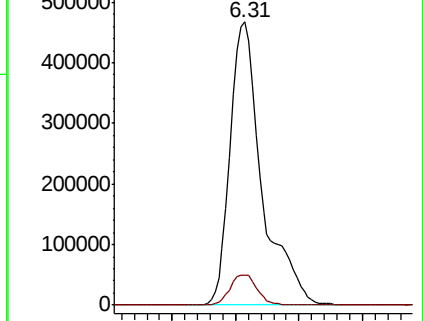
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 53.782 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064657.D

Acq: 27 Dec 2019 22:28

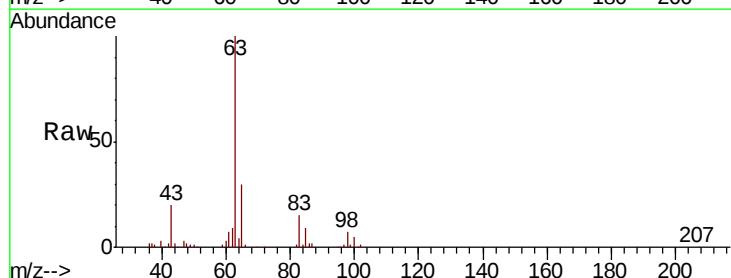
Tgt Ion: 63 Resp: 331253

Ion Ratio Lower Upper

63 100

98 6.6 4.1 12.3

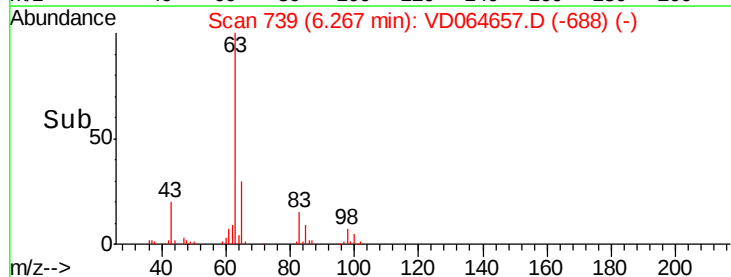
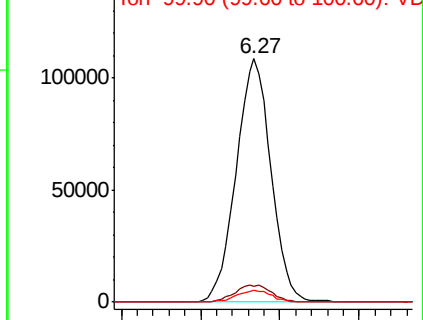
100 4.8 2.2 6.6

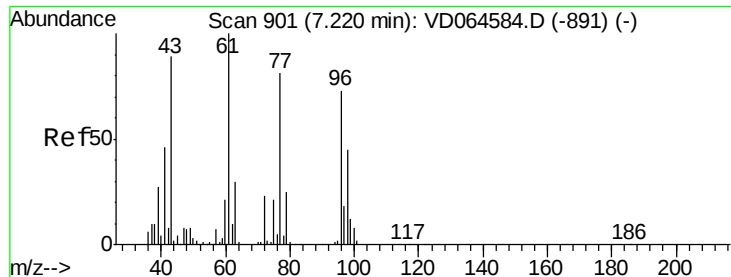


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 273.351 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064657.D

Acq: 27 Dec 2019 22:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 248450

Ion Ratio Lower Upper

43 100

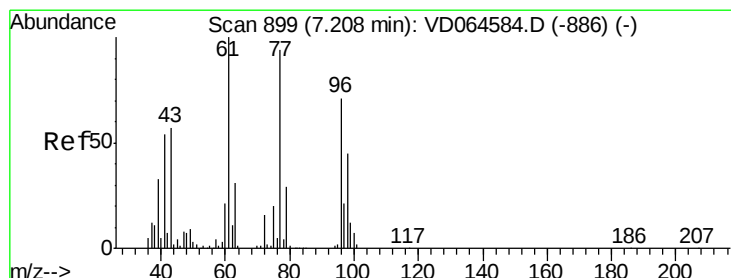
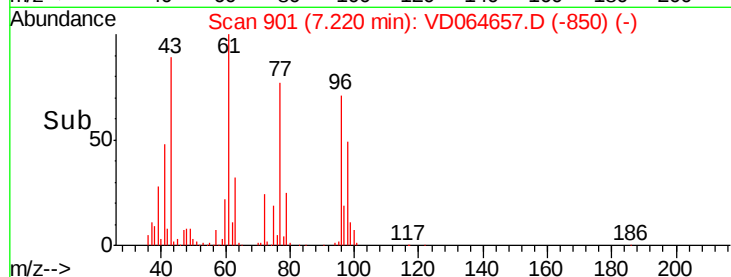
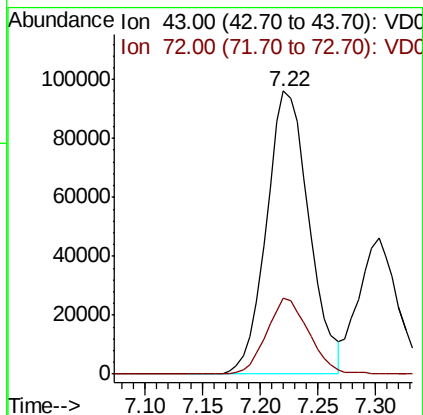
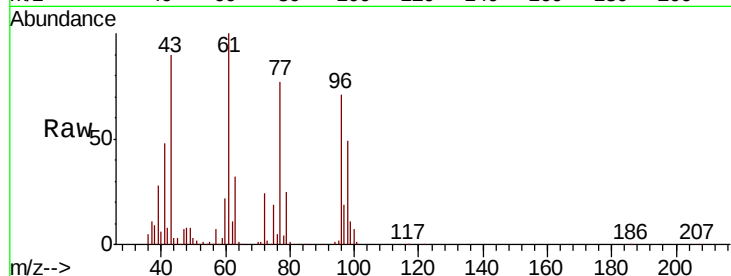
72 26.7 20.7 31.1

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#26

2,2-Dichloropropane

Concen: 47.243 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD064657.D

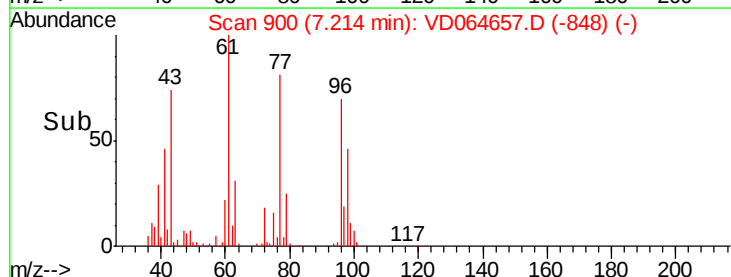
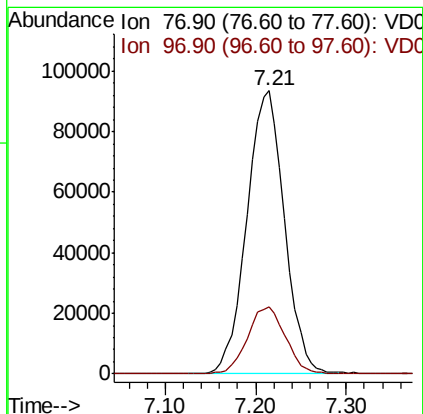
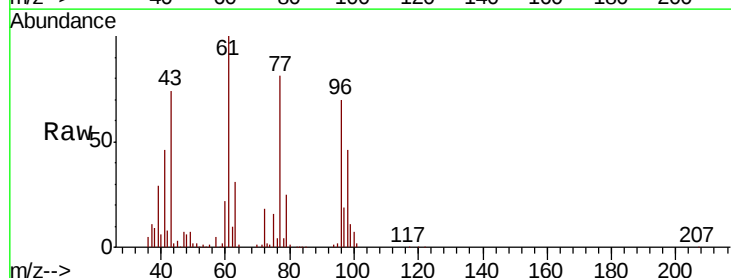
Acq: 27 Dec 2019 22:28

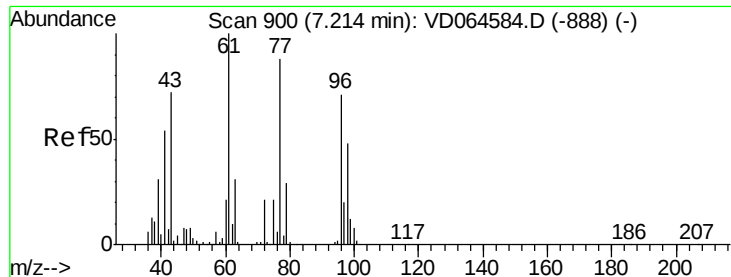
Tgt Ion: 77 Resp: 270538

Ion Ratio Lower Upper

77 100

97 23.8 11.2 33.6





#27

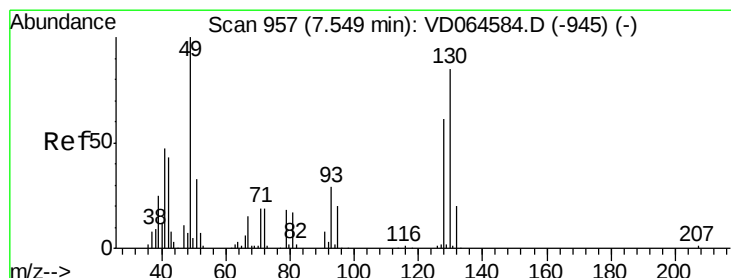
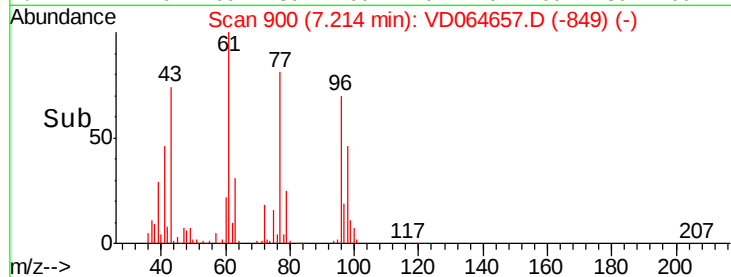
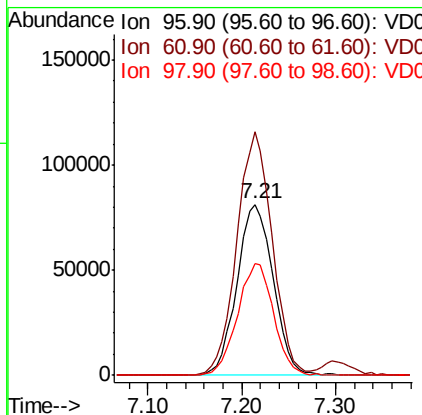
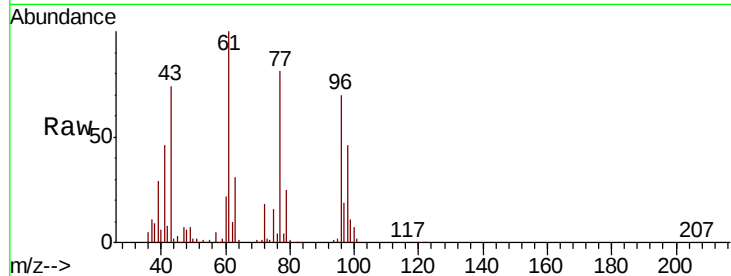
cis-1,2-Dichloroethene
 Concen: 53.649 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD064657.D
 Acq: 27 Dec 2019 22:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	217537		
61	139.1	0.0	282.6	
98	64.7	0.0	130.8	

Manual Integrations
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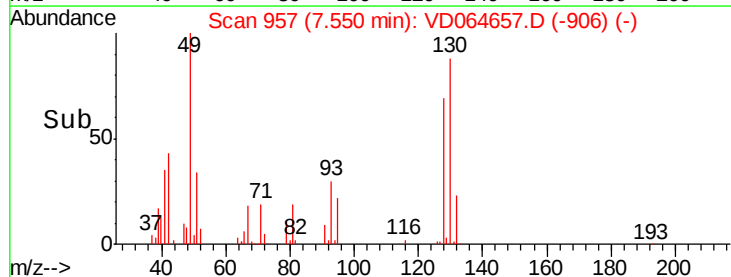
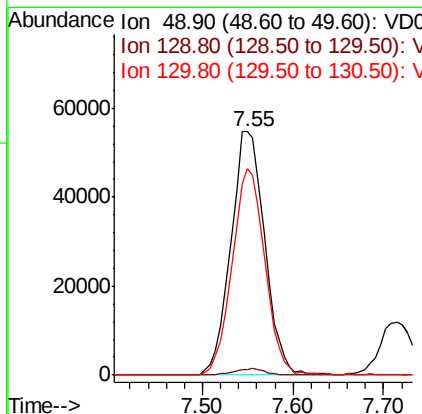
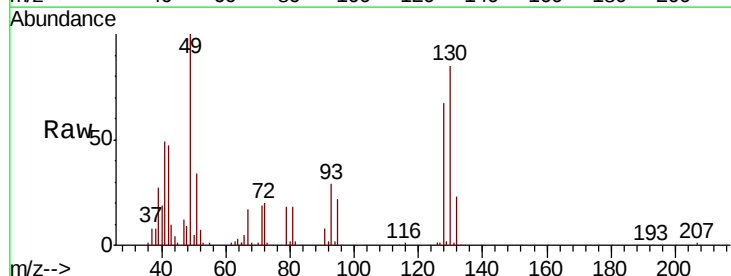
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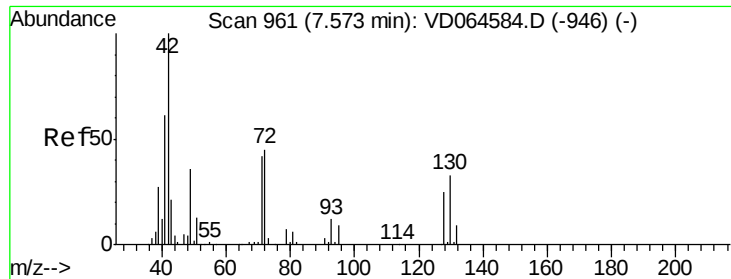


#28

Bromochloromethane
 Concen: 59.504 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD064657.D
 Acq: 27 Dec 2019 22:28

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	142466		
129	2.4	0.0	4.8	
130	81.8	65.0	97.6	





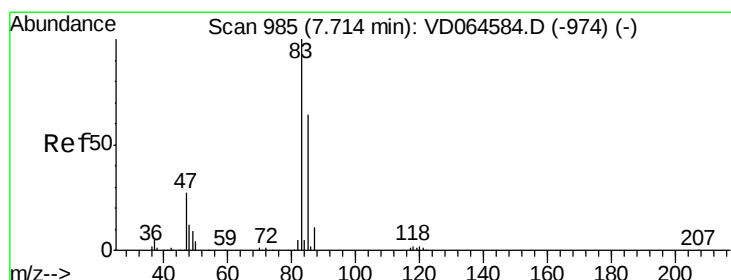
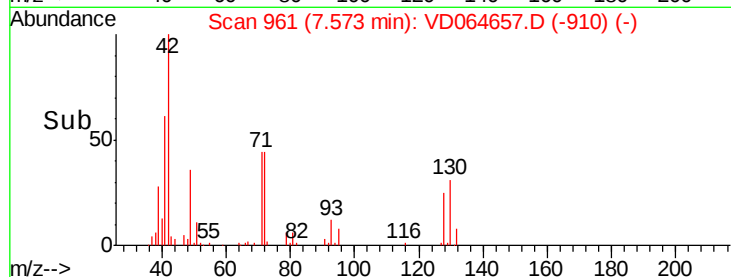
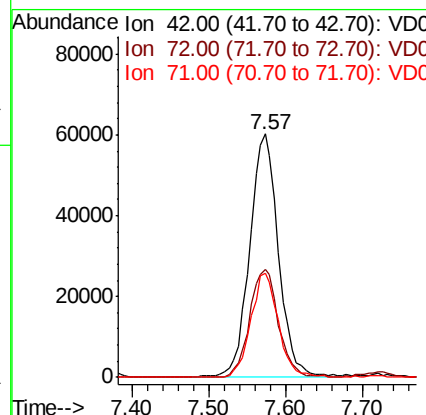
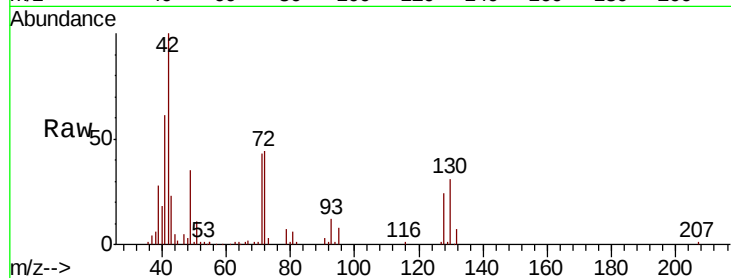
#29
Tetrahydrofuran
Concen: 279.662 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD064657.D
Acq: 27 Dec 2019 22:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.2	35.0	52.4
71	41.1	32.9	49.3

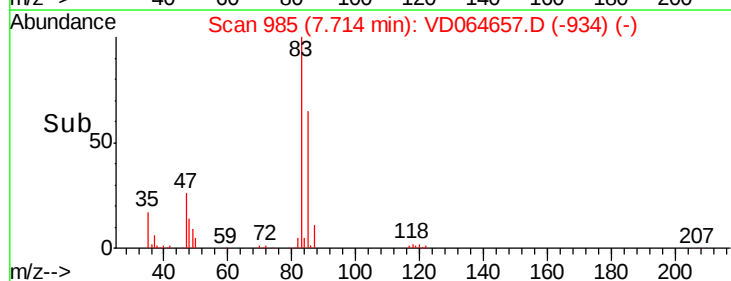
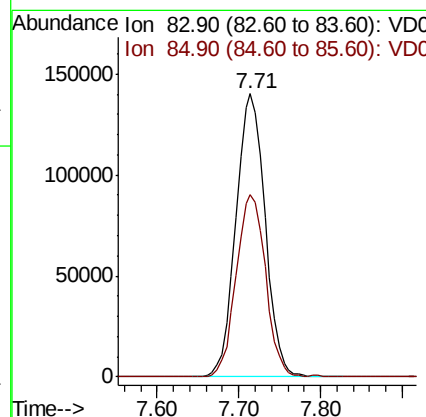
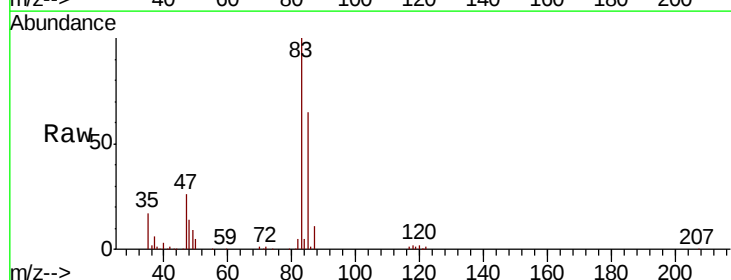
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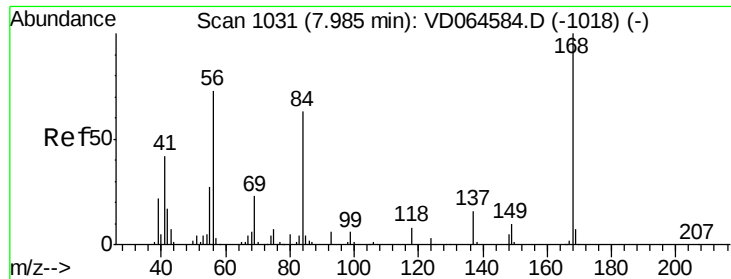
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#30
Chloroform
Concen: 53.917 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064657.D
Acq: 27 Dec 2019 22:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.1	76.7





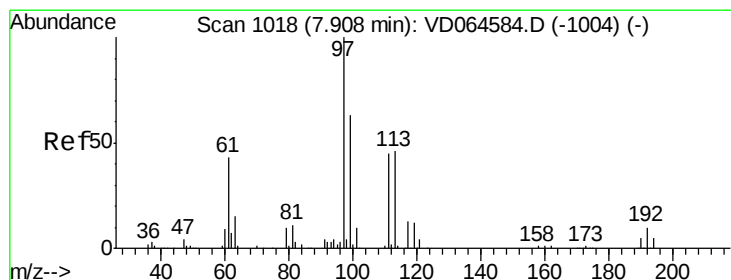
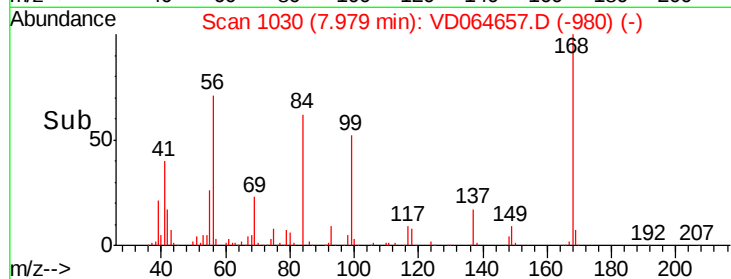
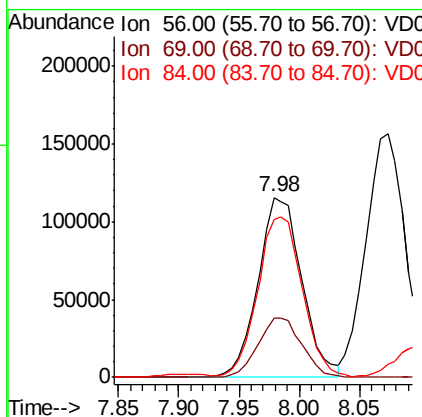
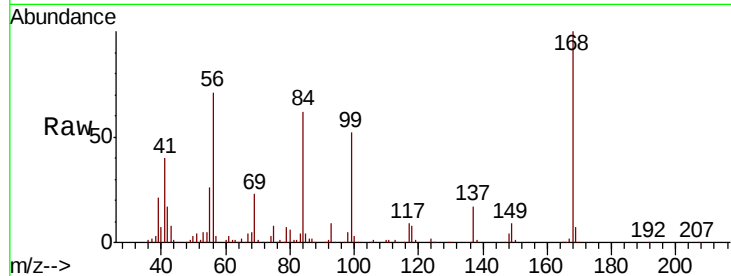
#31
Cyclohexane
Concen: 47.433 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064657.D
Acq: 27 Dec 2019 22:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.9	24.7	37.1
84	85.9	69.4	104.2

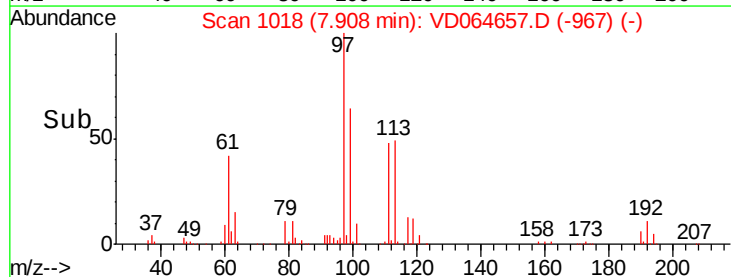
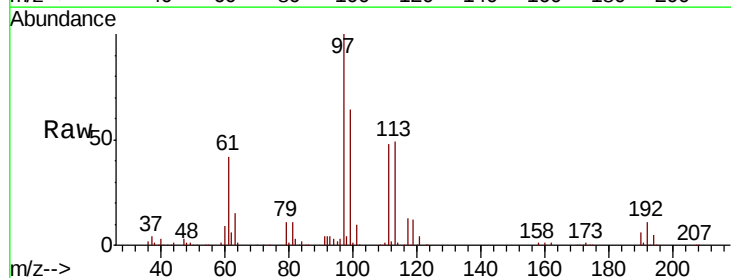
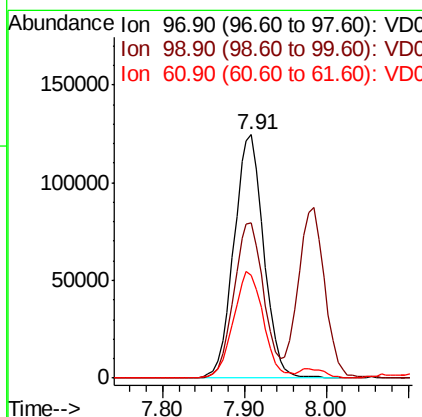
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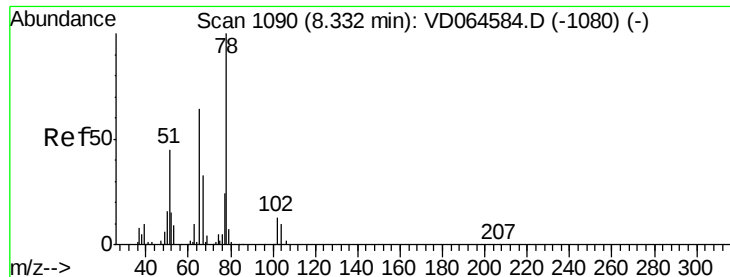
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#32
1,1,1-Trichloroethane
Concen: 51.805 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD064657.D
Acq: 27 Dec 2019 22:28

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.0	76.6
61	44.4	35.4	53.0





#33

1,2-Dichloroethane-d4

Concen: 56.286 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD064657.D

Acq: 27 Dec 2019 22:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 186116

Ion Ratio Lower Upper

65 100

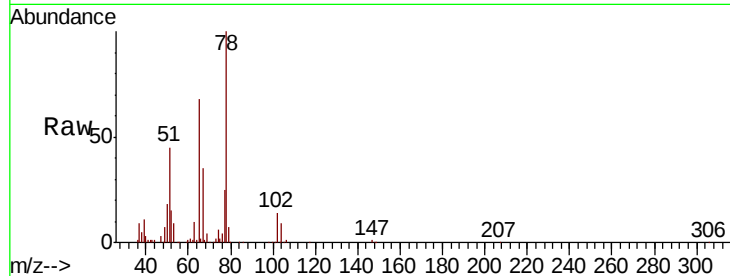
67 52.4 0.0 106.2

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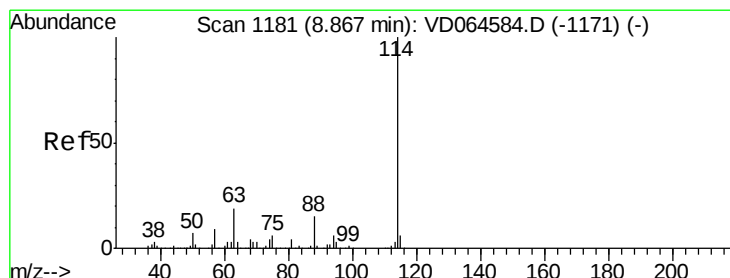
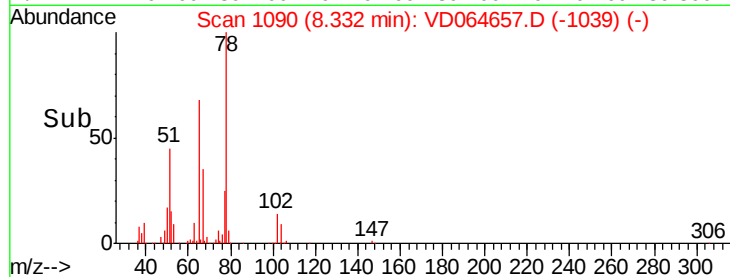
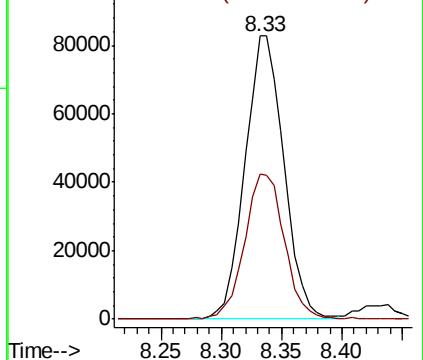
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Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064657.D

Acq: 27 Dec 2019 22:28

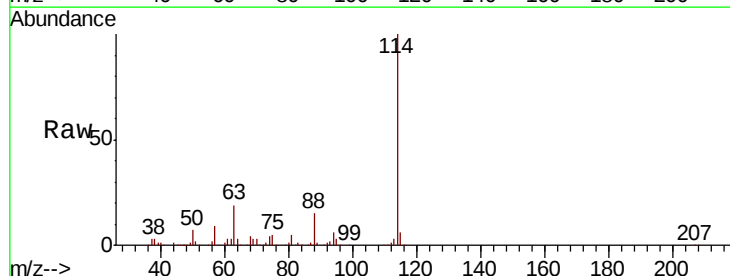
Tgt Ion: 114 Resp: 560460

Ion Ratio Lower Upper

114 100

63 18.7 0.0 38.0

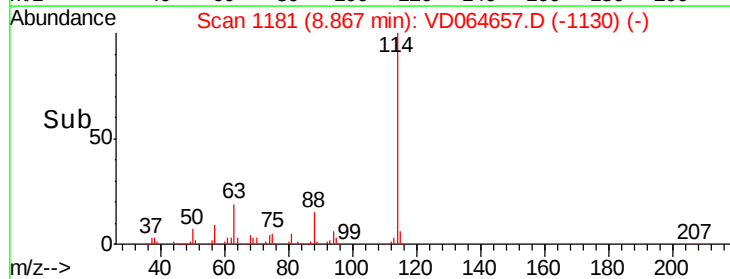
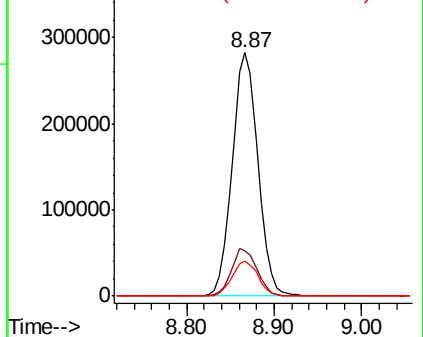
88 14.5 0.0 29.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





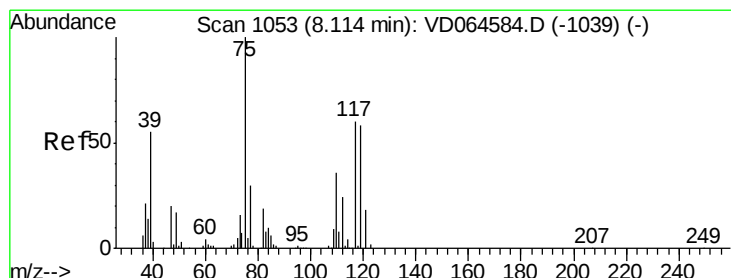
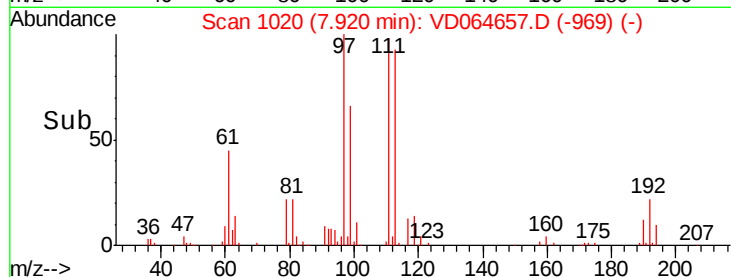
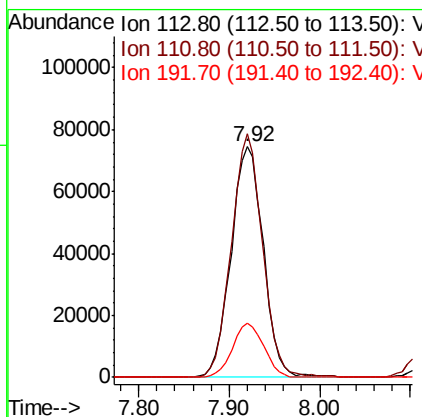
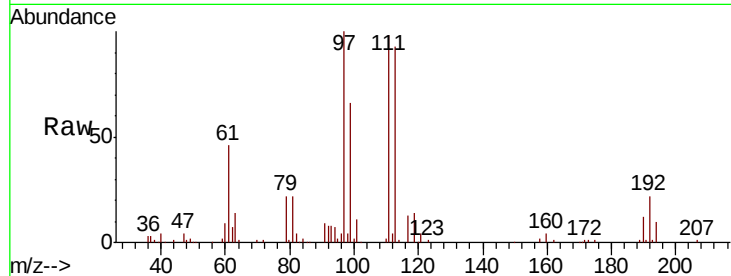
#35
 Dibromofluoromethane
 Concen: 53.541 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064657.D
 Acq: 27 Dec 2019 22:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	184102		
111	102.0	80.6	121.0	
192	22.8	17.9	26.9	

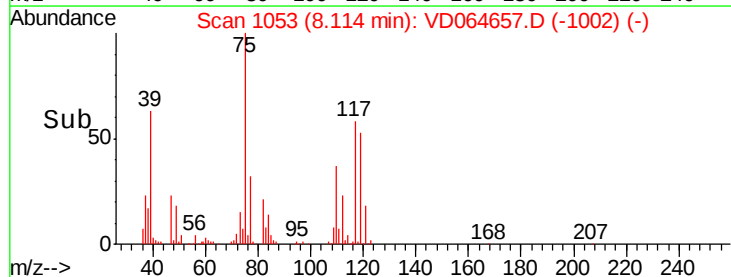
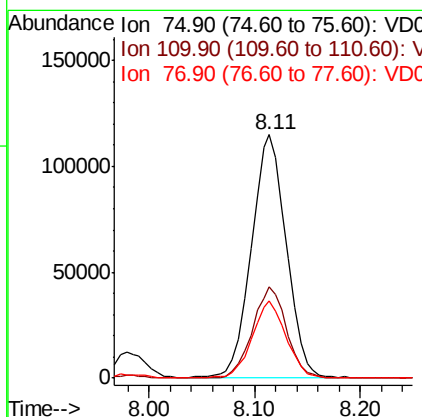
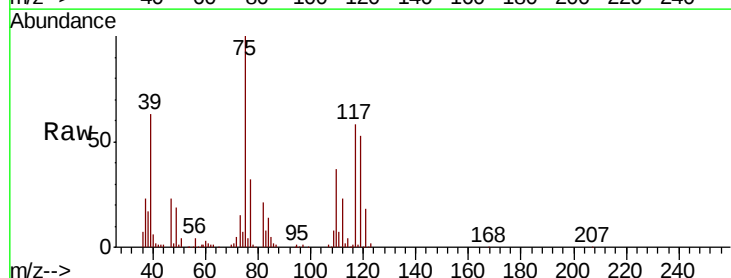
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#36
 1,1-Dichloropropene
 Concen: 48.693 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064657.D
 Acq: 27 Dec 2019 22:28

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	262672		
110	36.6	18.1	54.1	
77	31.1	24.2	36.4	





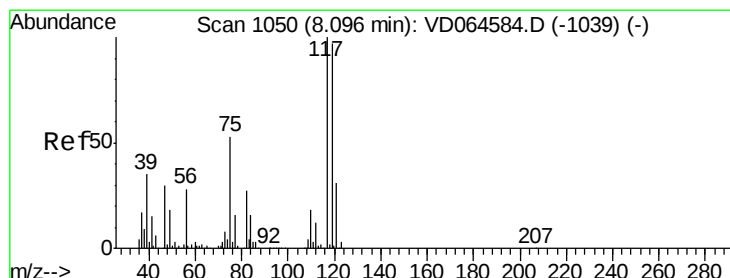
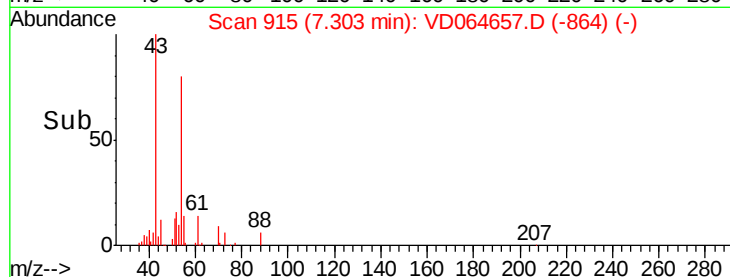
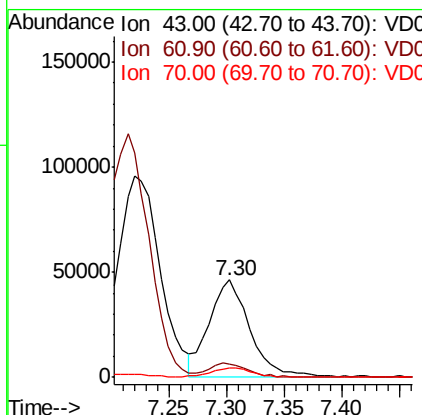
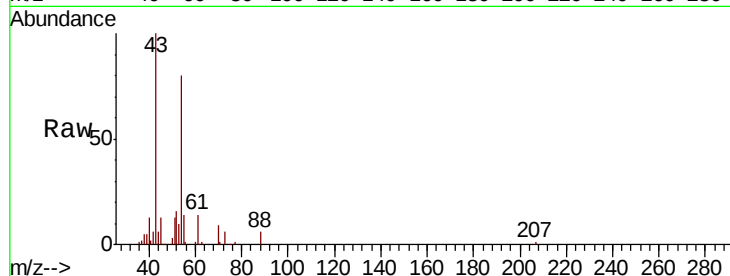
#37
Ethyl Acetate
Concen: 52.811 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD064657.D
Acq: 27 Dec 2019 22:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	10.3	15.5
70	9.9	7.6	11.4

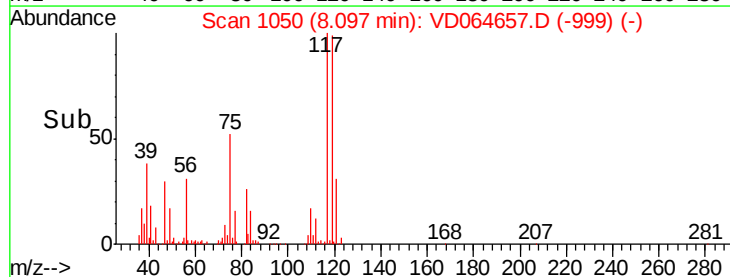
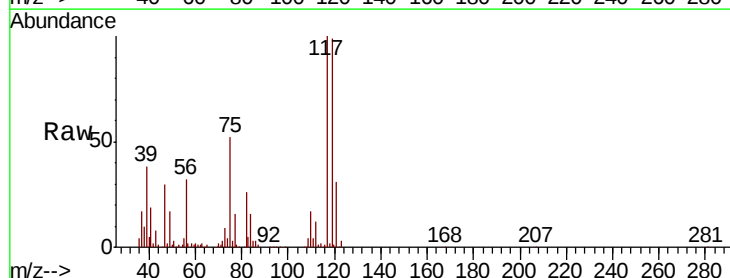
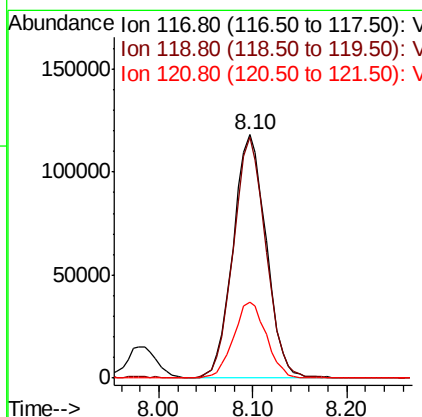
Manual Integrations
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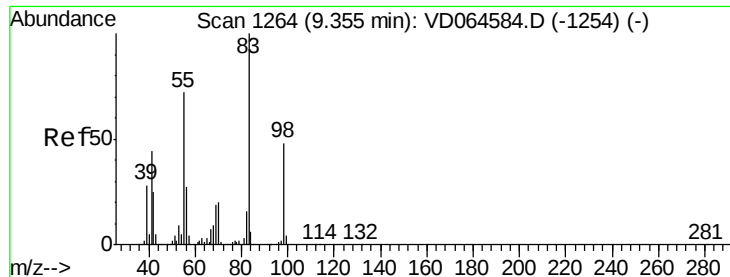
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#38
Carbon Tetrachloride
Concen: 50.288 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064657.D
Acq: 27 Dec 2019 22:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.0	77.3	115.9
121	31.1	25.0	37.6





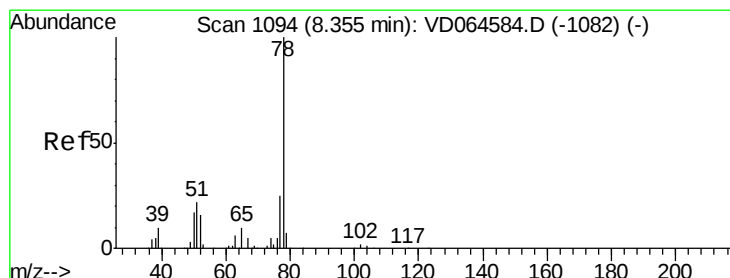
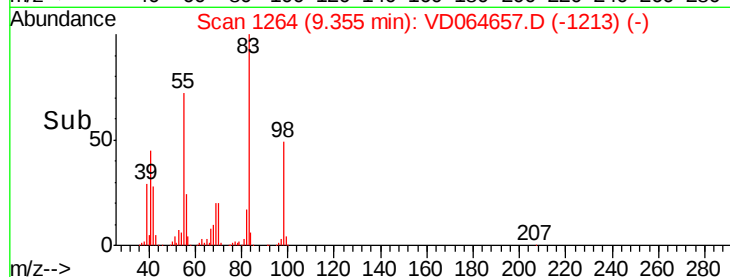
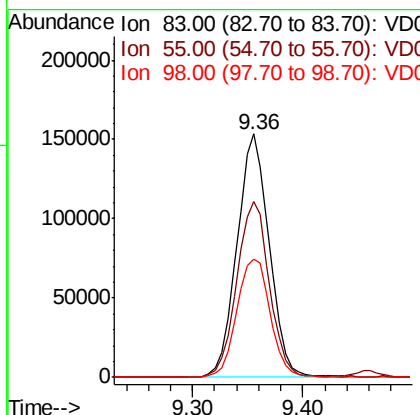
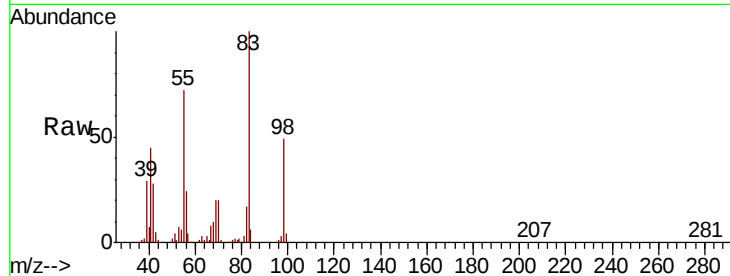
#39
Methvlcvclohexane
Concen: 48.209 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064657.D
Acq: 27 Dec 2019 22:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.4	57.8	86.6
98	48.7	38.7	58.1

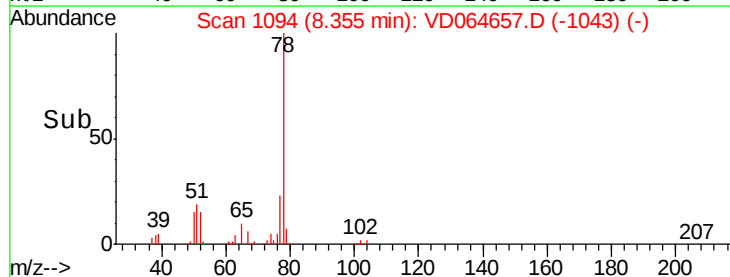
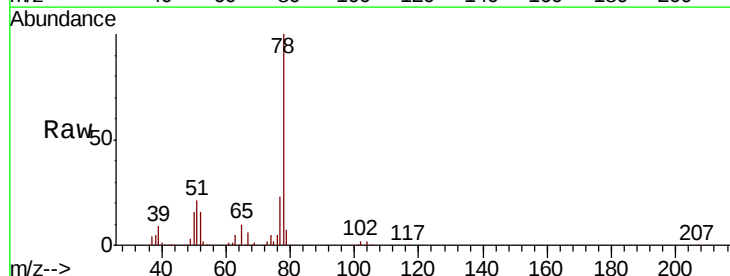
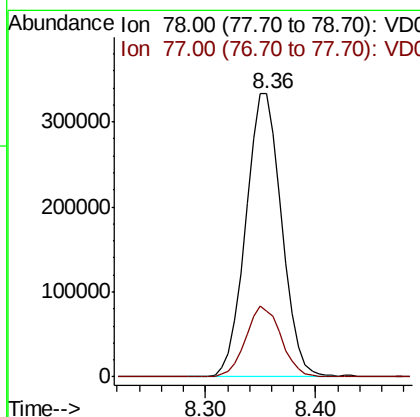
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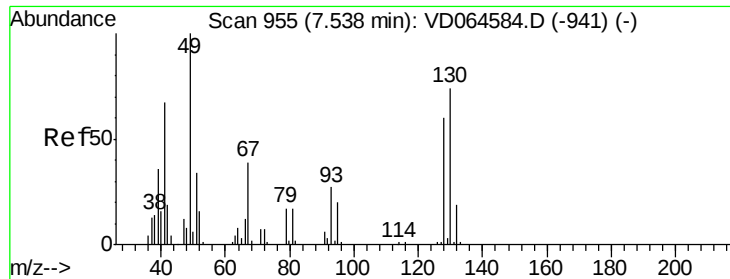
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#40
Benzene
Concen: 51.573 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD064657.D
Acq: 27 Dec 2019 22:28

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.9	29.9





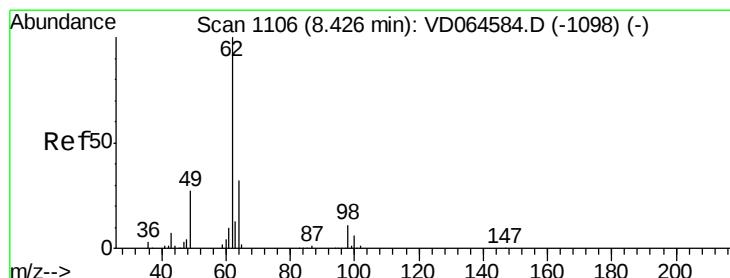
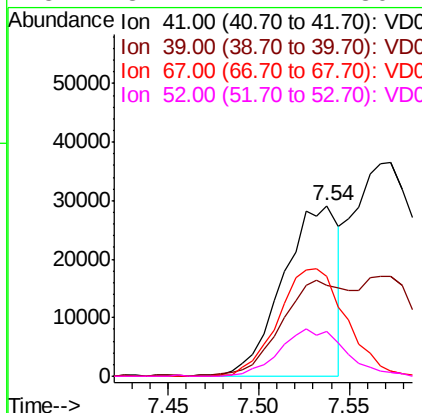
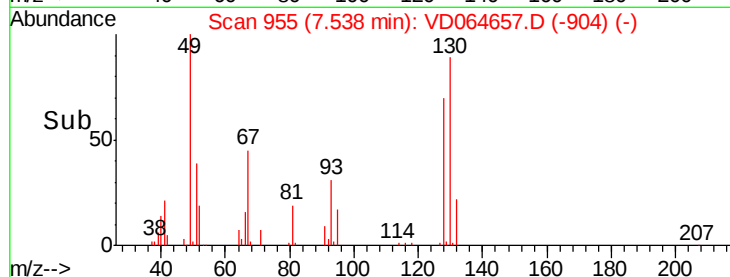
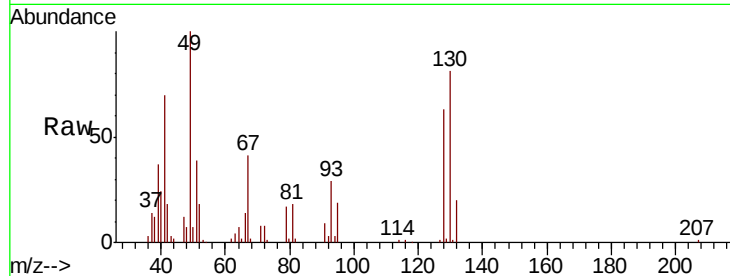
#41
Methacrylonitrile
Concen: 50.898 ug/l
RT: 7.54 min Scan# 955
Delta R.T. 0.00 min
Lab File: VD064657.D
Acq: 27 Dec 2019 22:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	65.5	46.7	70.1
67	76.8	52.5	78.7
52	32.4	24.1	36.1

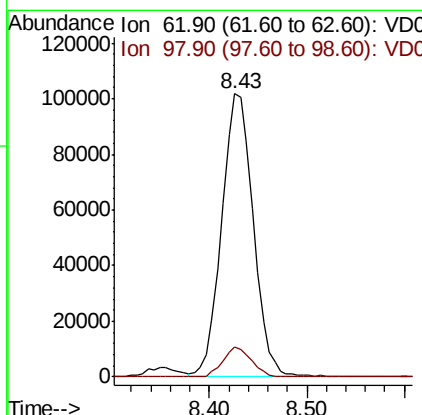
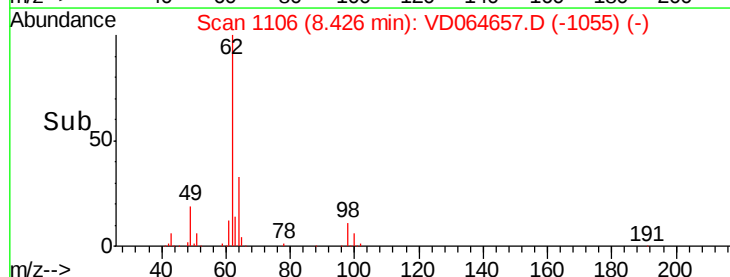
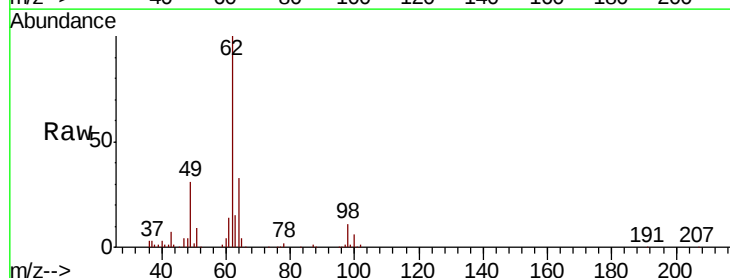
Manual Integrations
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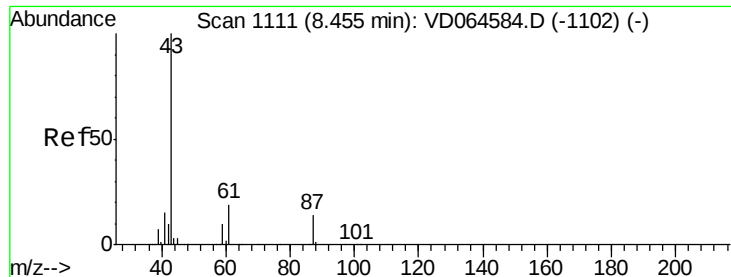
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#42
1,2-Dichloroethane
Concen: 53.480 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD064657.D
Acq: 27 Dec 2019 22:28

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	20.0





#43

Isopropyl Acetate

Concen: 53.183 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD064657.D

Acq: 27 Dec 2019 22:28

Instrument :

MSVOA_D

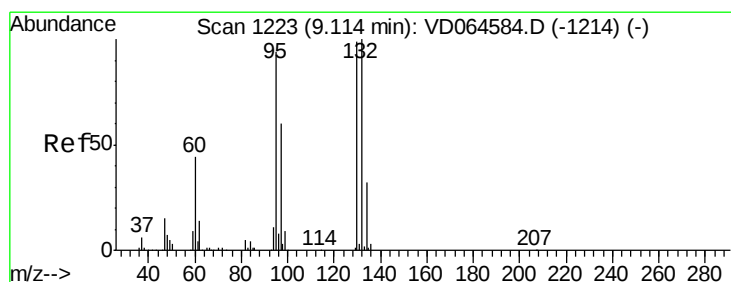
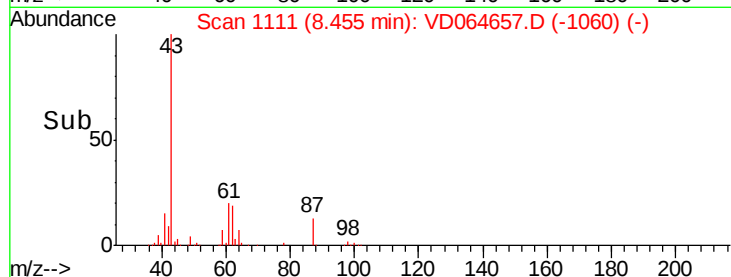
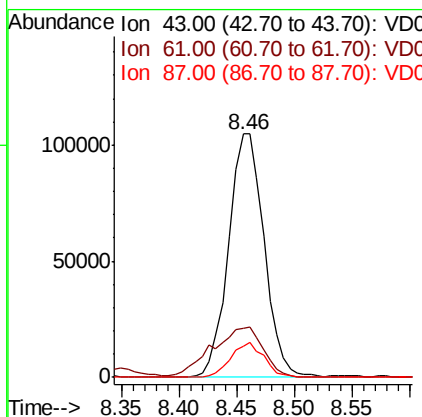
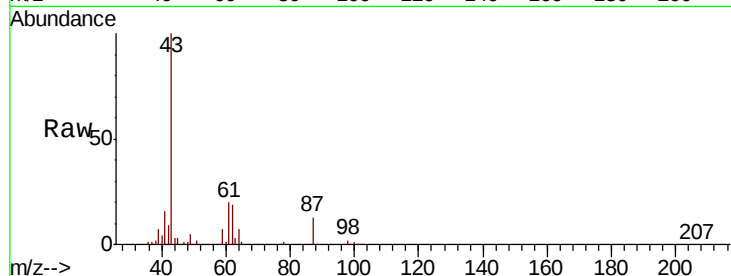
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	224329
Ion	Ratio	Lower	Upper
43	100		
61	29.2	23.7	35.5
87	13.6	10.5	15.7

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#44

Trichloroethene

Concen: 50.808 ug/l

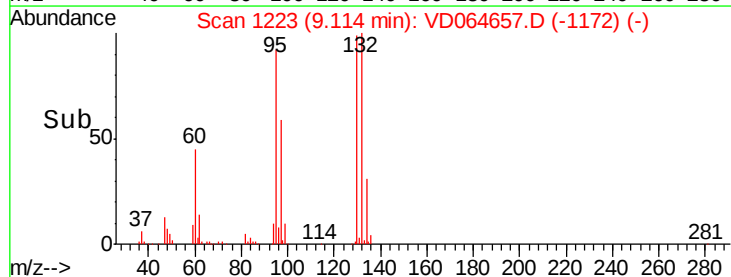
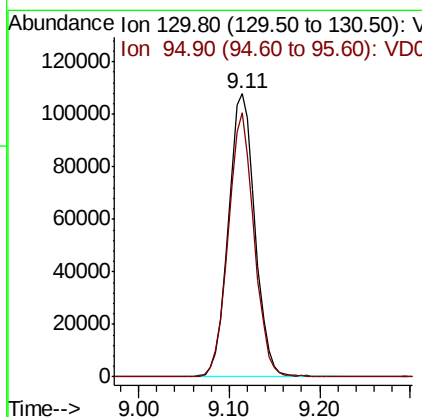
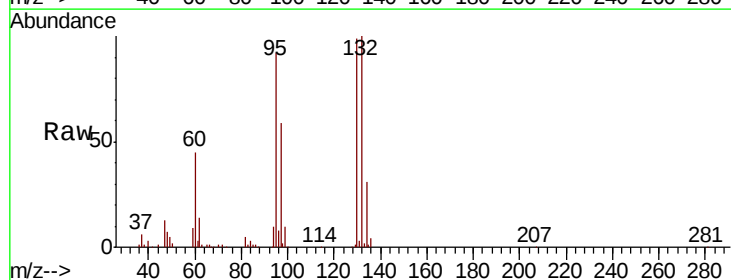
RT: 9.11 min Scan# 1223

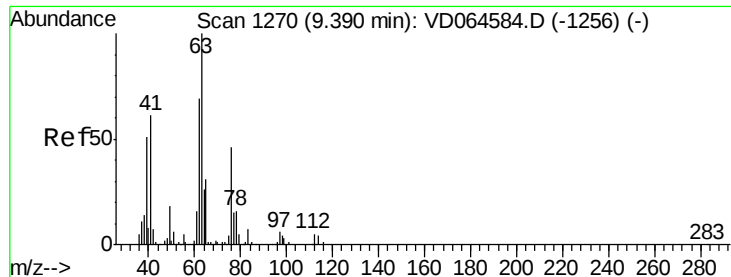
Delta R.T. 0.00 min

Lab File: VD064657.D

Acq: 27 Dec 2019 22:28

Tgt Ion:	130	Resp:	219798
Ion	Ratio	Lower	Upper
130	100		
95	93.1	0.0	190.2





#45

1,2-Dichloropropane

Concen: 53.707 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064657.D

Acq: 27 Dec 2019 22:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 188837

Ion Ratio Lower Upper

63 100

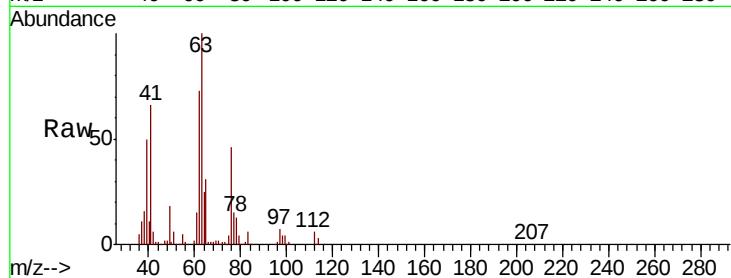
65 31.3 25.2 37.8

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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.39

80000

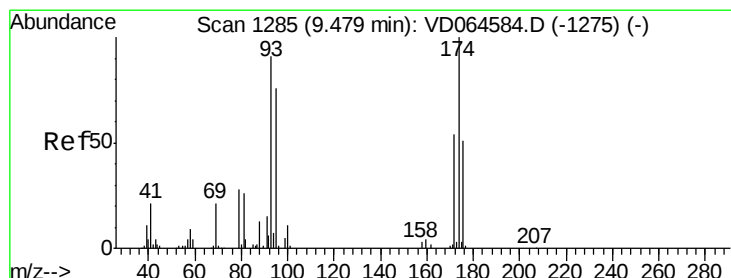
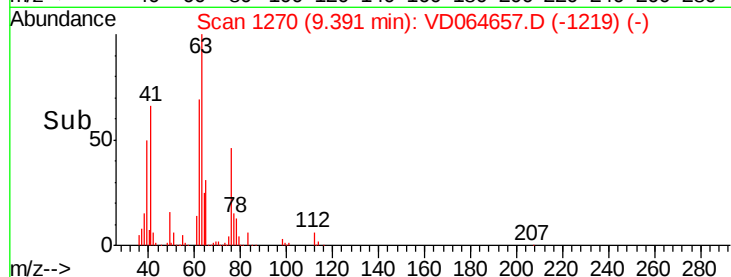
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 53.768 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064657.D

Acq: 27 Dec 2019 22:28

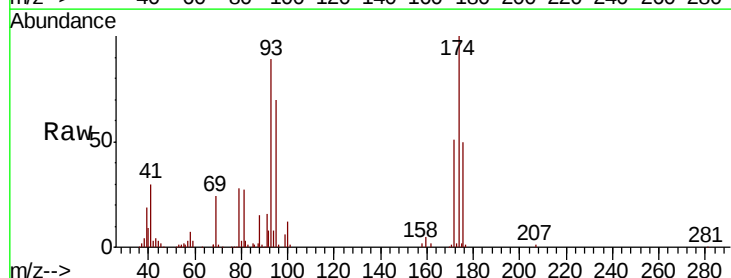
Tgt Ion: 93 Resp: 105402

Ion Ratio Lower Upper

93 100

95 79.6 64.6 97.0

174 109.5 88.1 132.1



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): VDC

9.48

80000

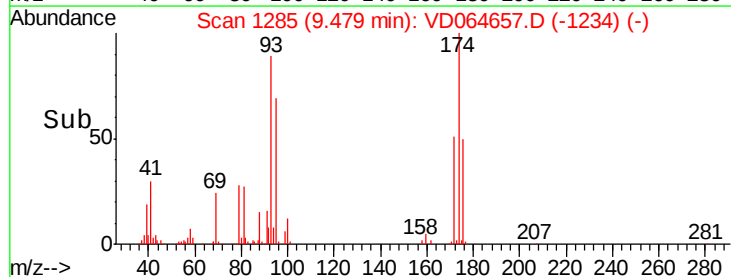
60000

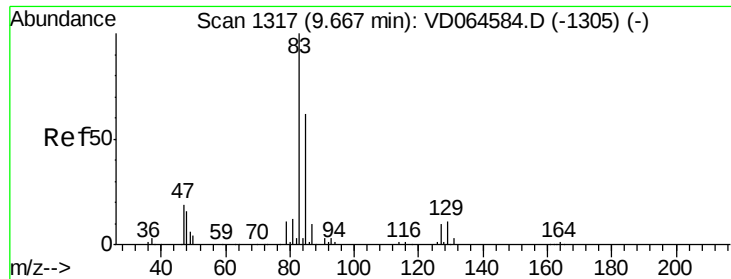
40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 52.260 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064657.D

Acq: 27 Dec 2019 22:28

Instrument :

MSVOA_D

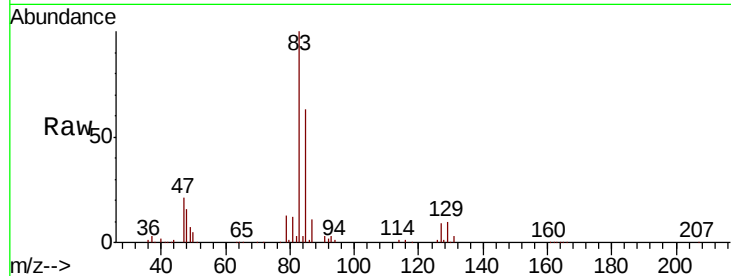
ClientSampleId :

VSTDCCC050

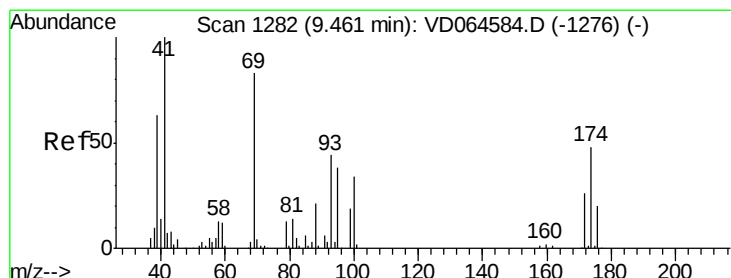
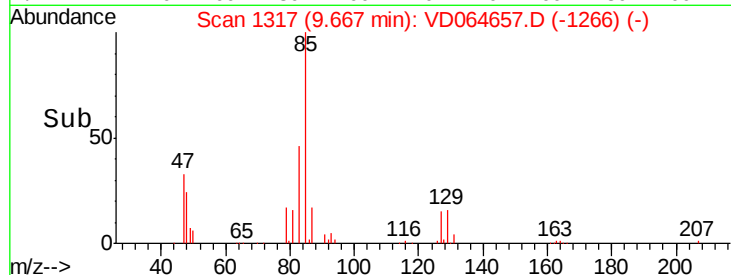
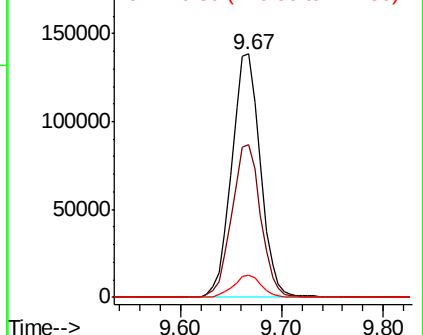
Tot Ion:	83	Resp:	272605
Ion	Ratio	Lower	Upper
83	100		
85	62.7	49.5	74.3
127	9.3	7.8	11.6

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Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 51.863 ug/l

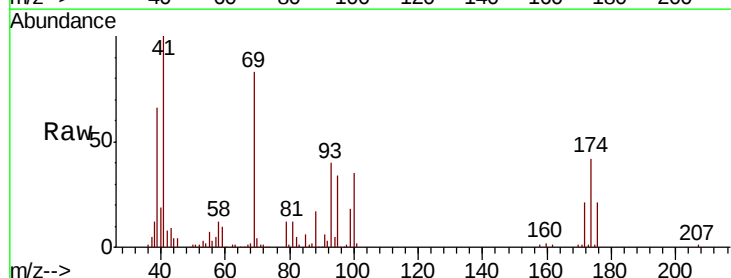
RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

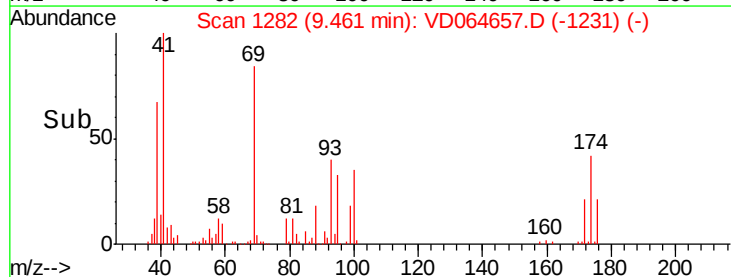
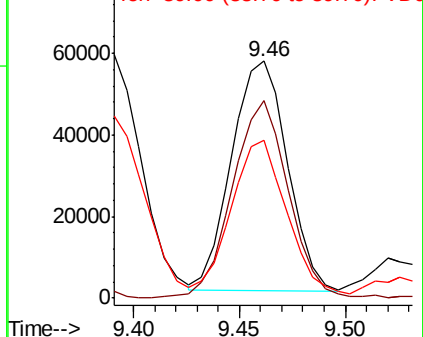
Lab File: VD064657.D

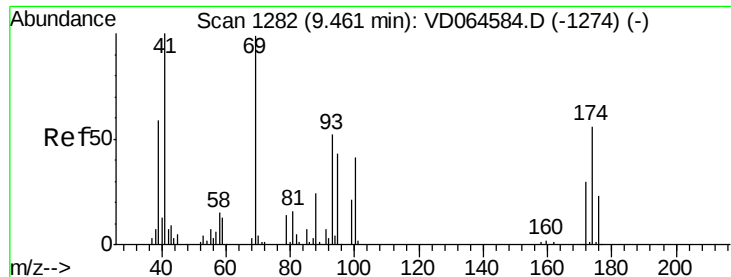
Acq: 27 Dec 2019 22:28

Tgt Ion:	41	Resp:	103005
Ion	Ratio	Lower	Upper
41	100		
69	87.1	63.0	94.6
39	69.9	47.4	71.2



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 39.00 (38.70 to 39.70): VDC





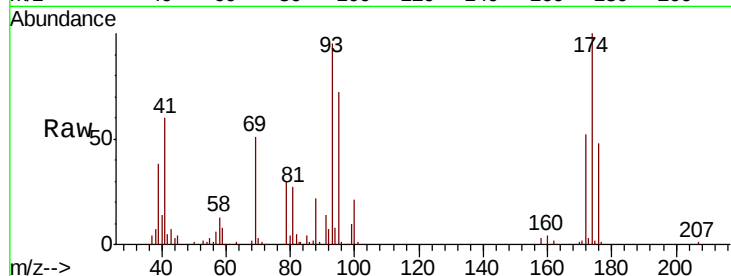
#49
1,4-Dioxane
Concen: 1085.831 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD064657.D
Acq: 27 Dec 2019 22:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.1	27.7	41.5
58	61.8	53.8	80.6

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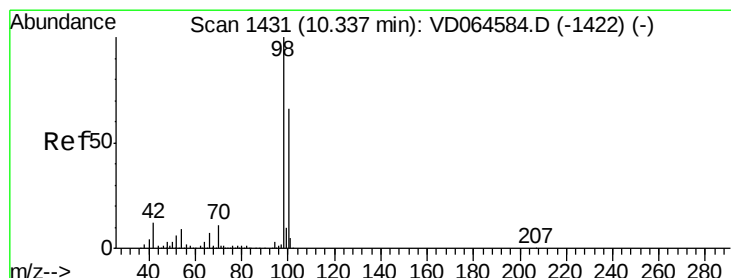
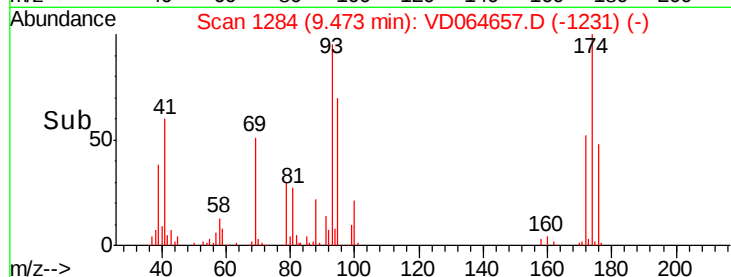
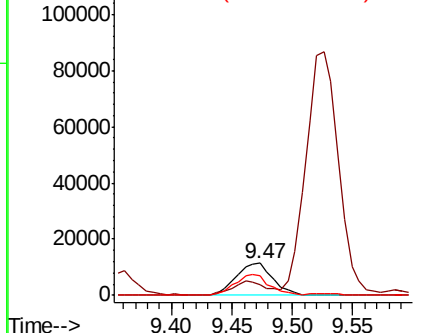


Abundance

Ion 88.00 (87.70 to 88.70): VDC

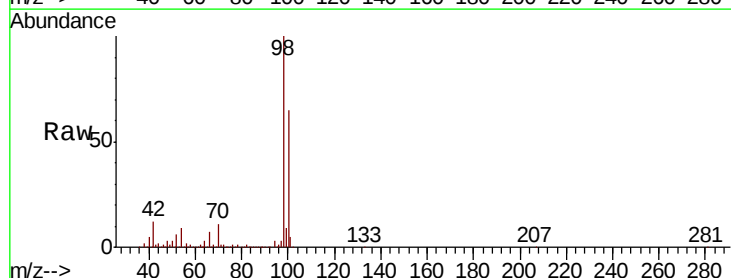
Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50
Toluene-d8
Concen: 53.628 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064657.D
Acq: 27 Dec 2019 22:28

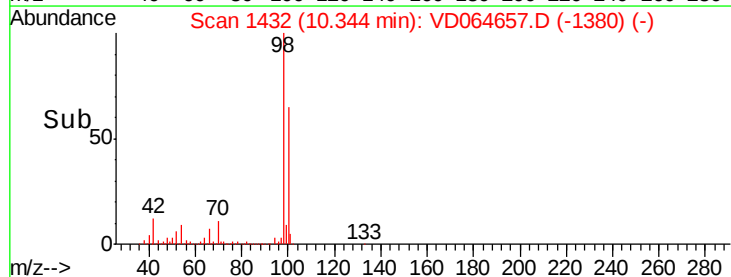
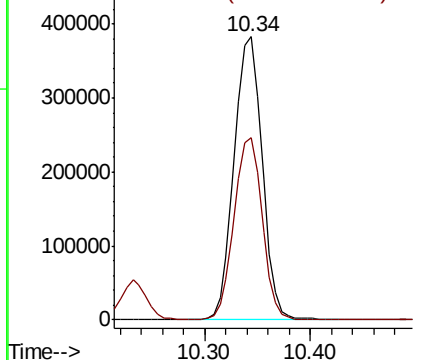
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.7	77.5



Abundance

Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 270.270 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064657.D

Acq: 27 Dec 2019 22:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 563490

Ion Ratio Lower Upper

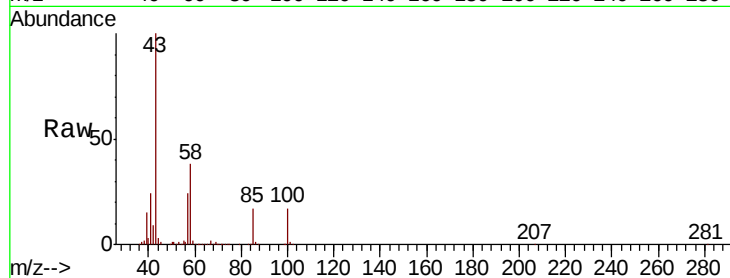
43 100

58 38.0 30.2 45.2

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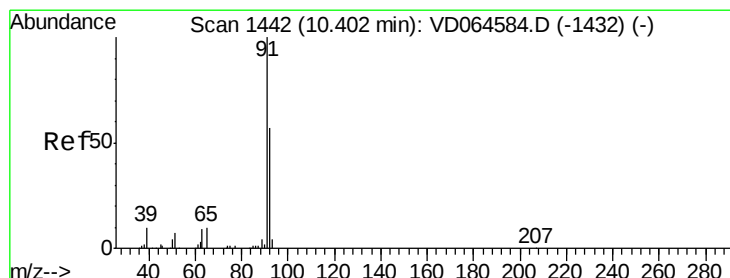
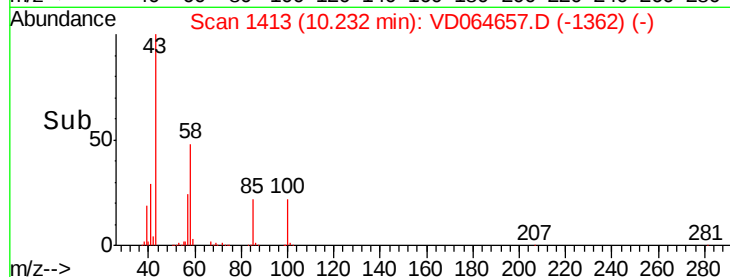
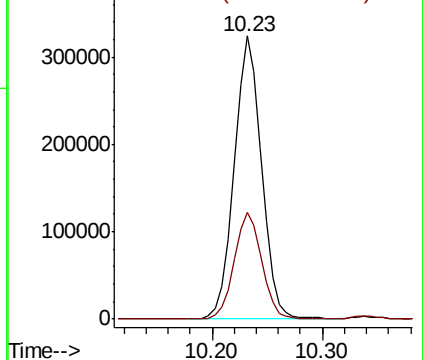
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 51.722 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD064657.D

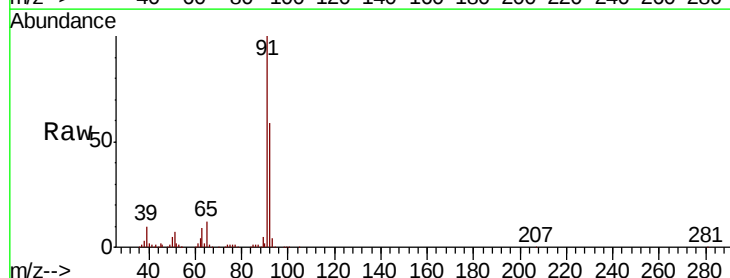
Acq: 27 Dec 2019 22:28

Tgt Ion: 92 Resp: 499707

Ion Ratio Lower Upper

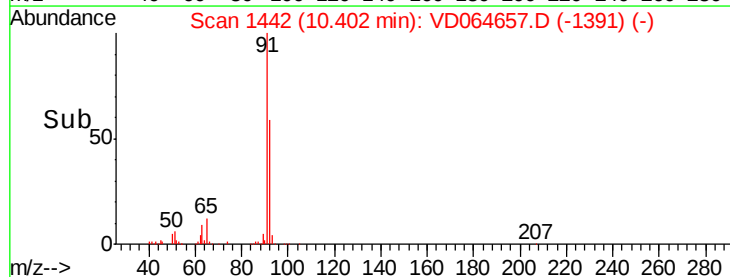
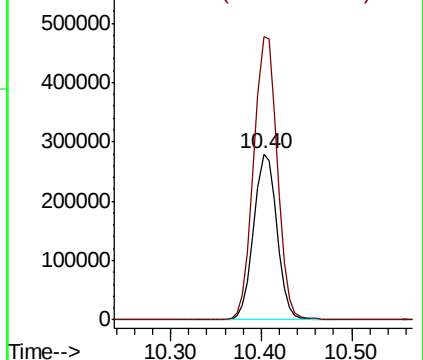
92 100

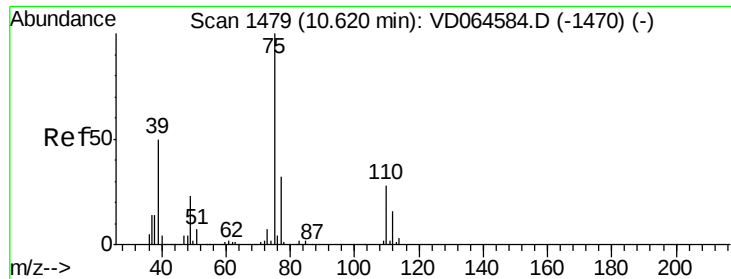
91 174.1 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





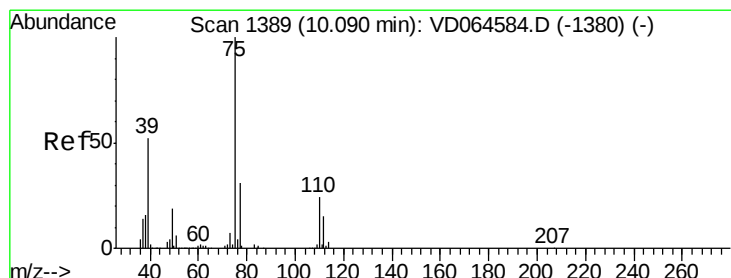
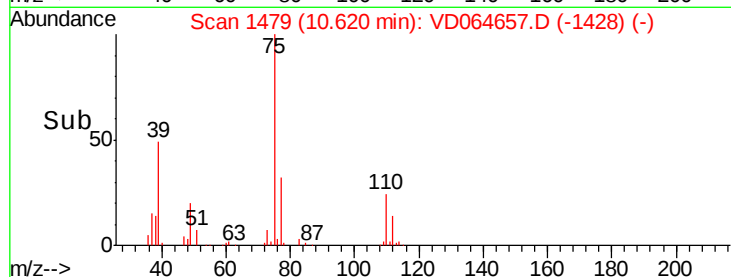
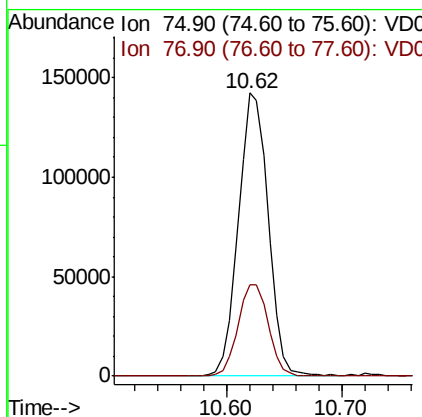
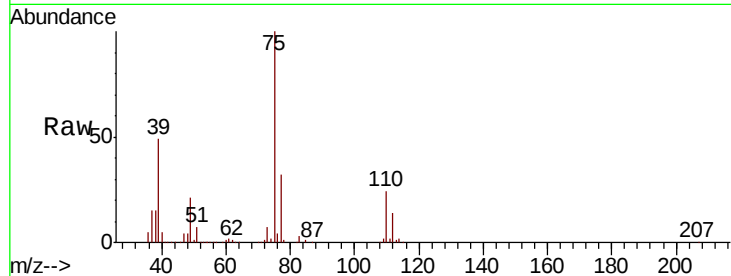
#53
t-1,3-Dichloropropene
Concen: 52.372 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. 0.00 min
Lab File: VD064657.D
Acq: 27 Dec 2019 22:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 254702
Ion Ratio Lower Upper
75 100
77 32.2 25.4 38.2

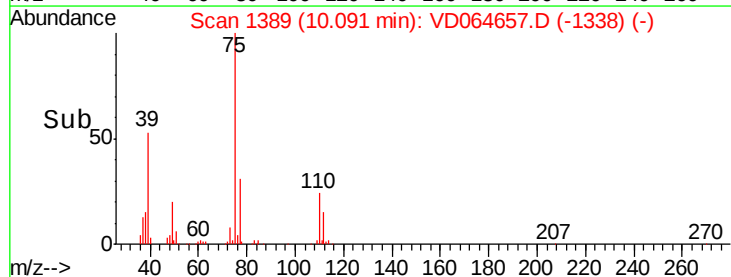
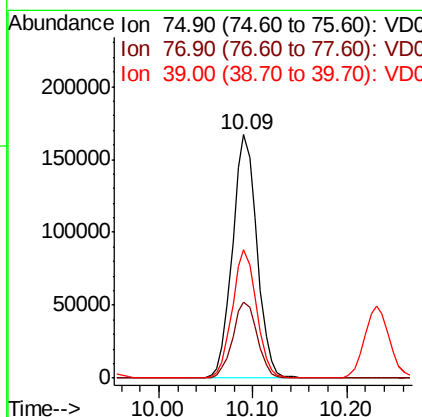
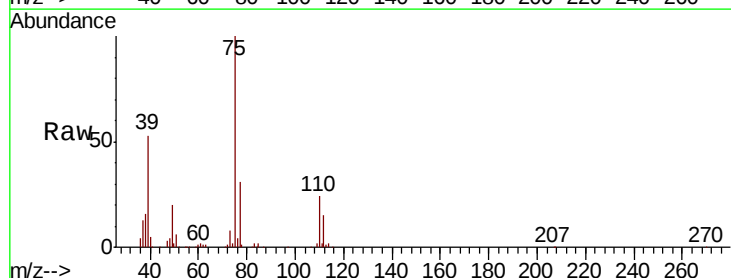
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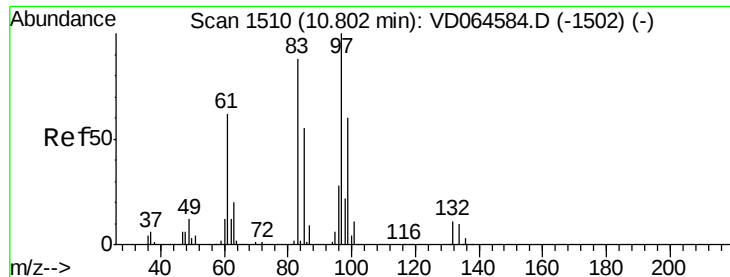
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#54
cis-1,3-Dichloropropene
Concen: 52.685 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD064657.D
Acq: 27 Dec 2019 22:28

Tgt Ion: 75 Resp: 302123
Ion Ratio Lower Upper
75 100
77 31.2 24.6 36.8
39 52.5 41.4 62.2





#55

1,1,2-Trichloroethane

Concen: 53.121 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD064657.D

Acq: 27 Dec 2019 22:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 140340

Ion Ratio Lower Upper

97 100

83 88.3 70.2 105.4

85 55.9 44.0 66.0

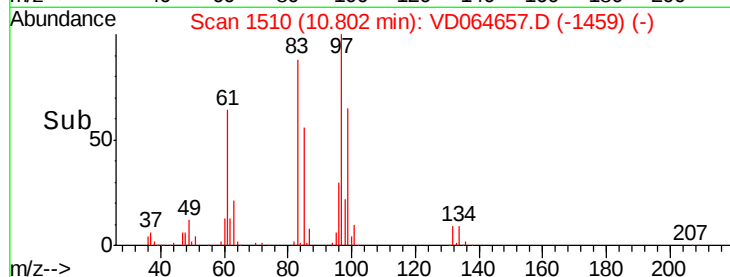
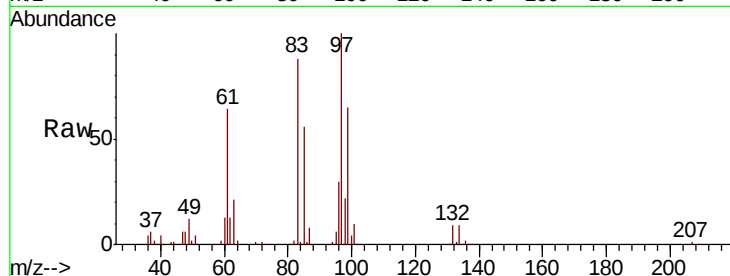
99 64.7 47.8 71.6

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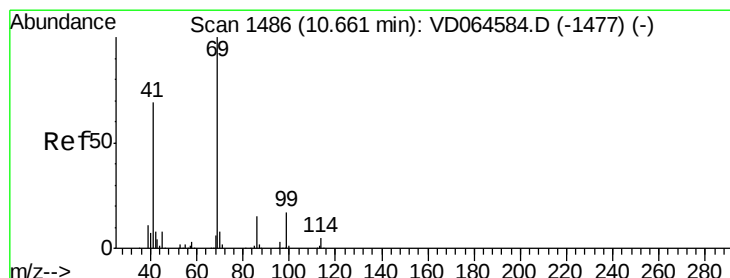
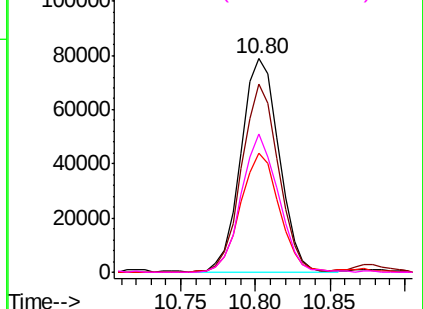


Abundance Ion 96.90 (96.60 to 97.60): VDC

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: 54.750 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VD064657.D

Acq: 27 Dec 2019 22:28

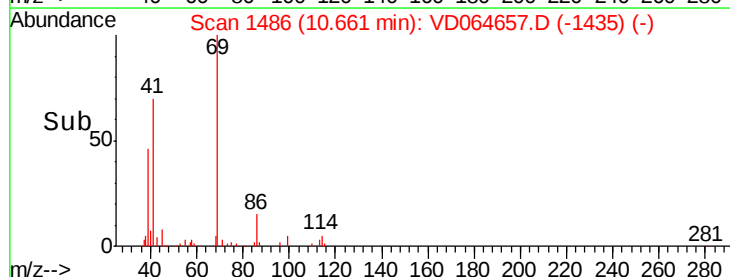
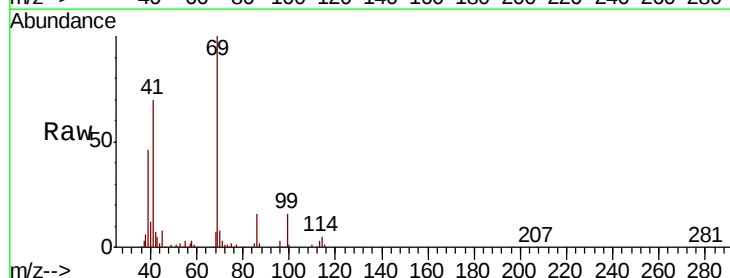
Tgt Ion: 69 Resp: 180641

Ion Ratio Lower Upper

69 100

41 68.8 55.3 82.9

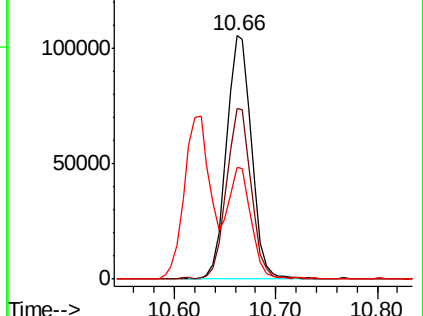
39 42.4 33.8 50.8

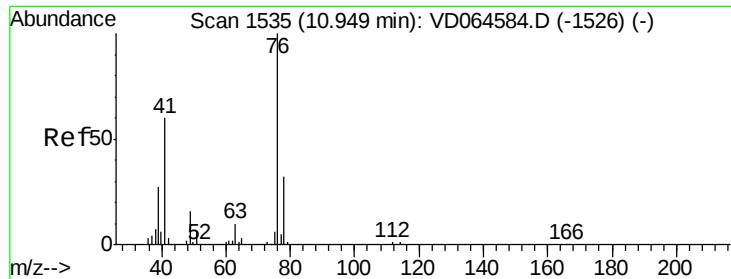


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 52.389 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064657.D

Acq: 27 Dec 2019 22:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 238307

Ion Ratio Lower Upper

76 100

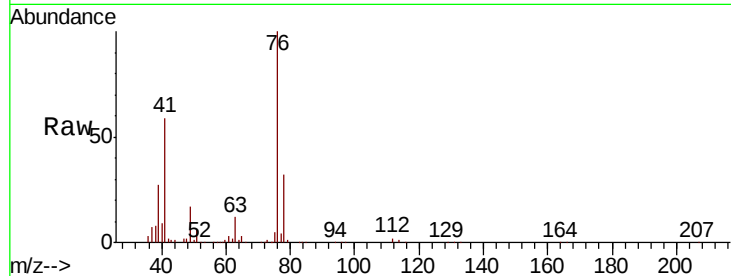
78 32.5 26.2 39.4

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

10.95

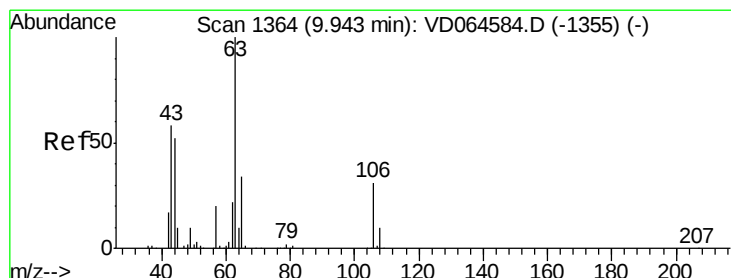
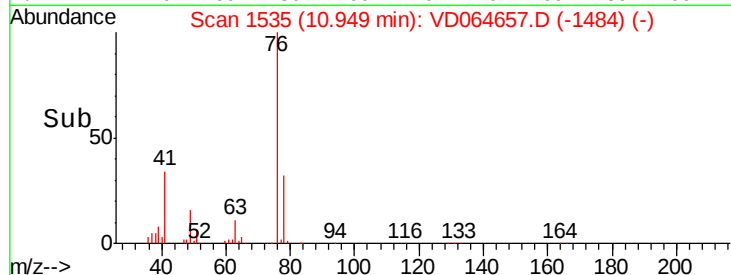
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 260.036 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD064657.D

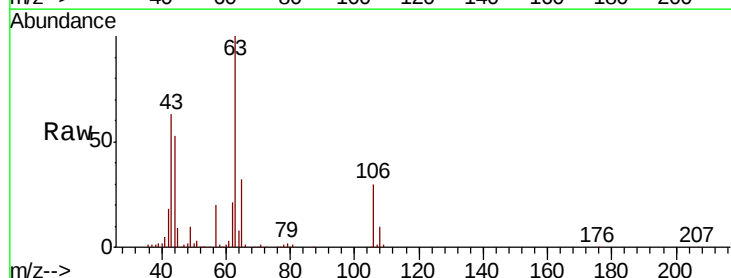
Acq: 27 Dec 2019 22:28

Tgt Ion: 63 Resp: 326873

Ion Ratio Lower Upper

63 100

106 30.1 23.8 35.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

9.94

200000

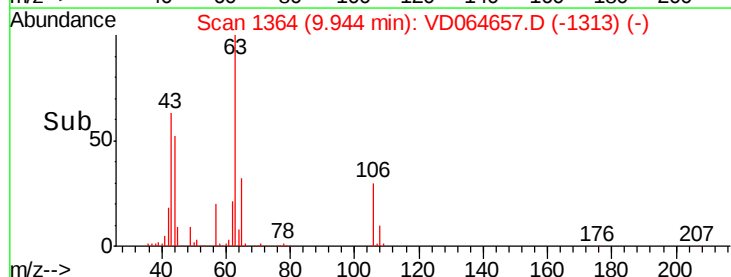
150000

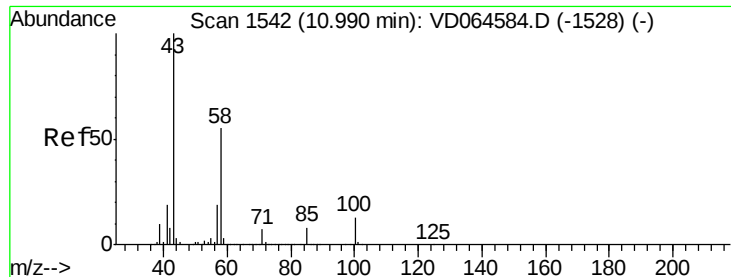
100000

50000

0

Time-->





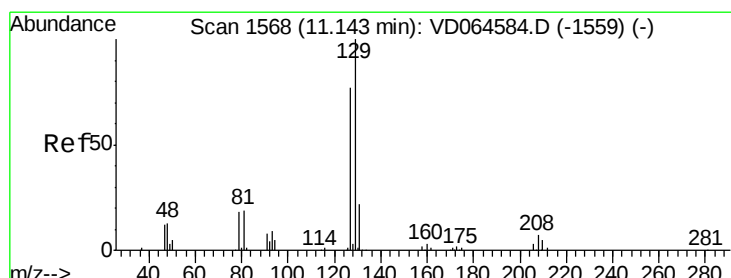
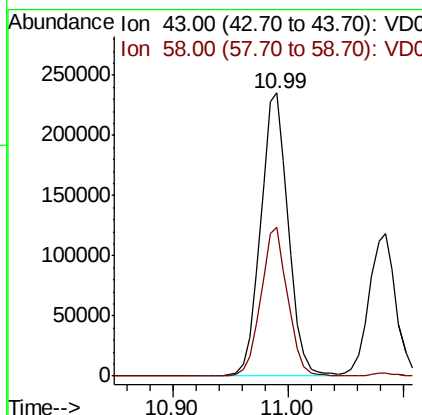
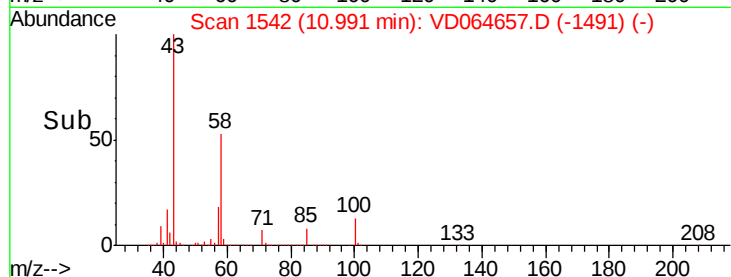
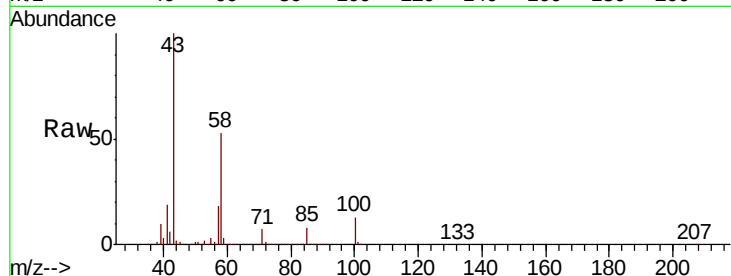
#59
2-Hexanone
Concen: 277.372 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064657.D
Acq: 27 Dec 2019 22:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 392502
Ion Ratio Lower Upper
43 100
58 51.1 26.4 79.0

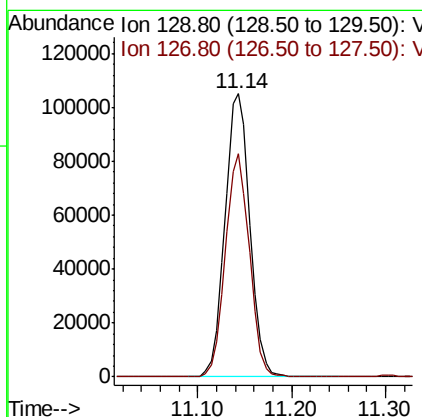
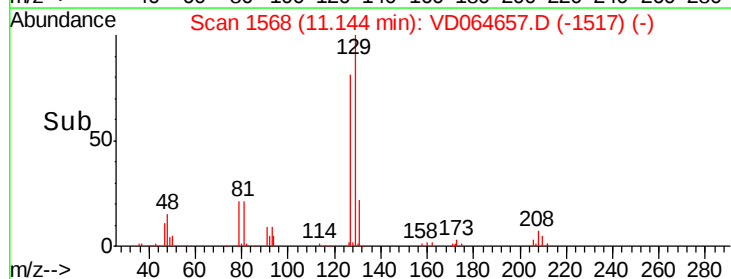
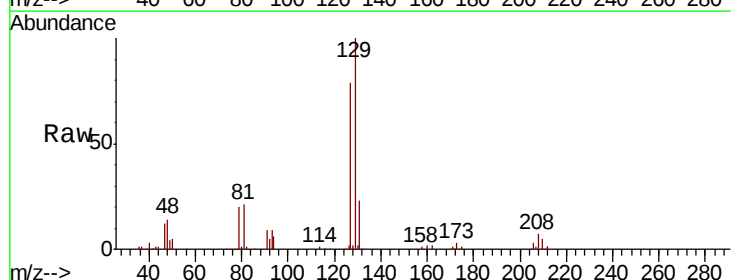
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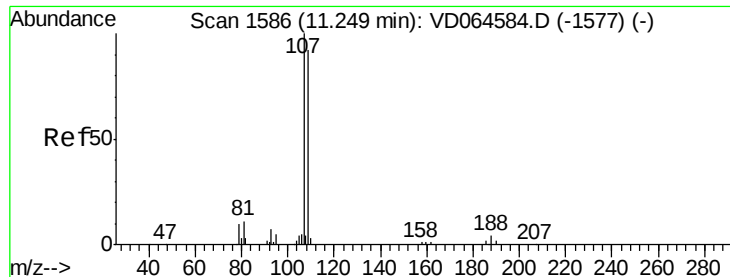
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#60
Dibromochloromethane
Concen: 52.854 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064657.D
Acq: 27 Dec 2019 22:28

Tgt Ion: 129 Resp: 193093
Ion Ratio Lower Upper
129 100
127 76.2 38.4 115.2





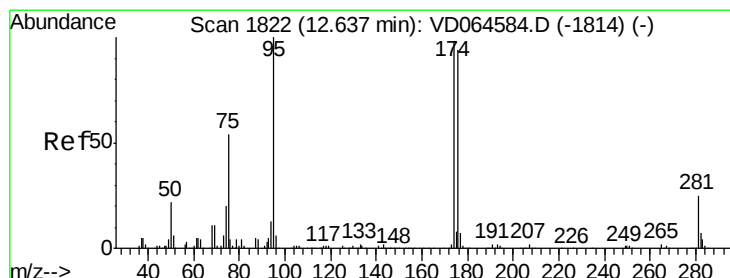
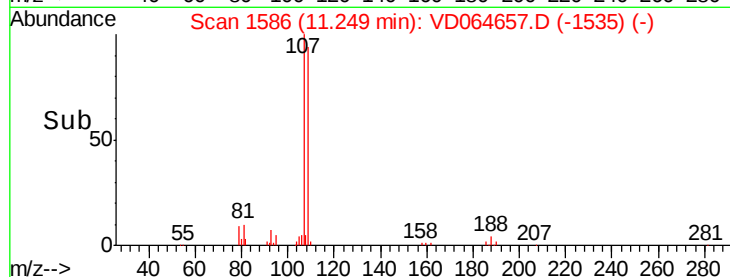
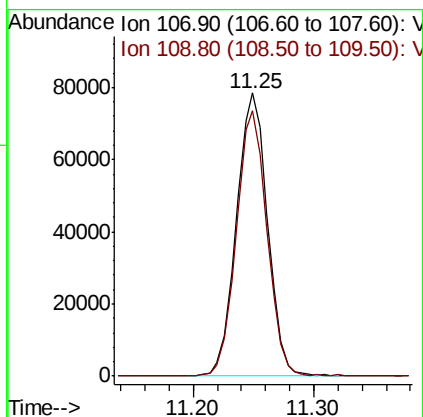
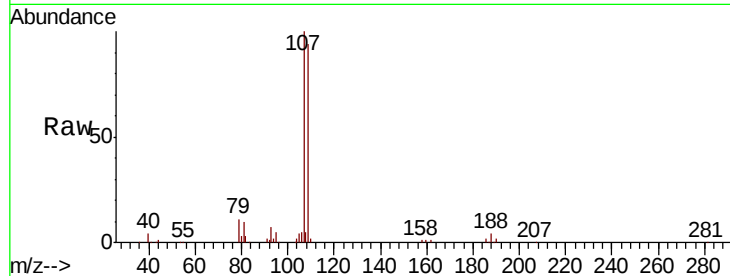
#61
 1,2-Dibromoethane
 Concen: 53.975 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064657.D
 Acq: 27 Dec 2019 22:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.5	75.6	113.4

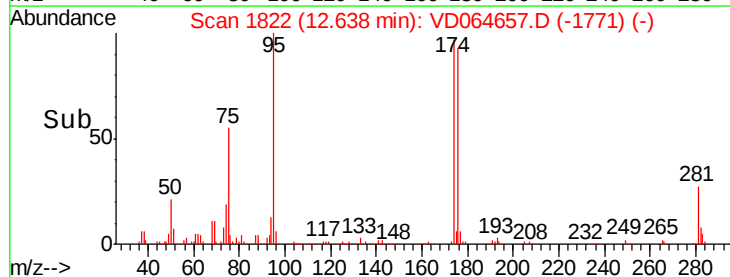
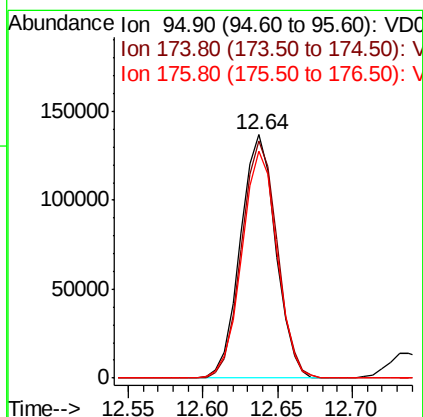
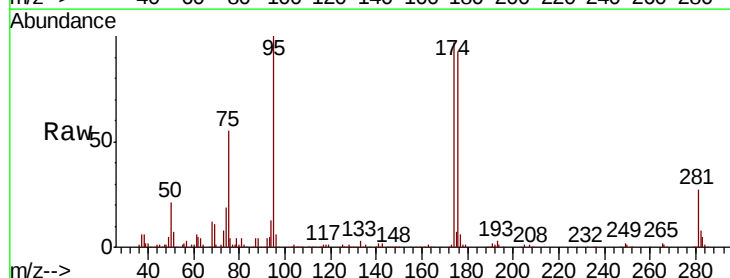
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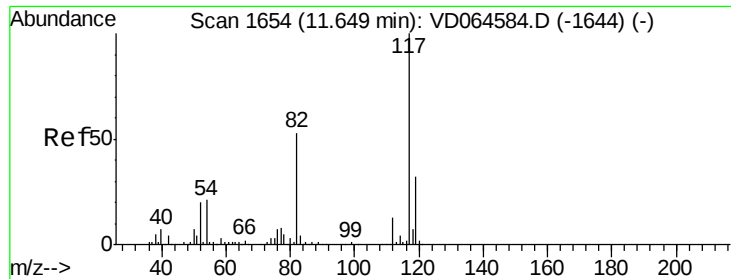
apatel
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#62
 4-Bromofluorobenzene
 Concen: 54.033 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064657.D
 Acq: 27 Dec 2019 22:28

Tgt Ion	Ratio	Lower	Upper
95	100		
174	97.7	0.0	193.2
176	92.9	0.0	184.2





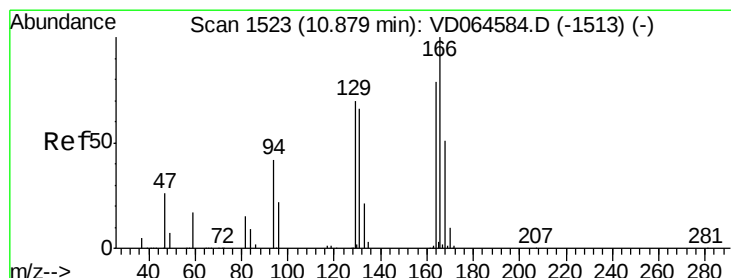
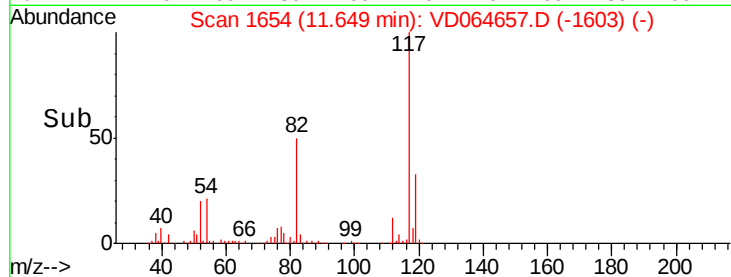
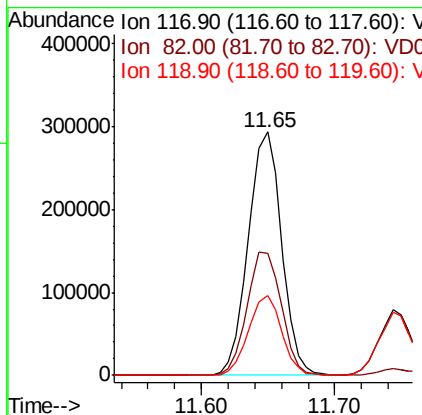
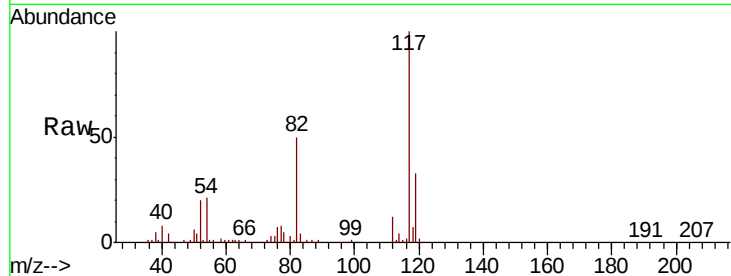
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064657.D
Acq: 27 Dec 2019 22:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	506257		
82	50.1		42.2	63.4
119	32.6		26.0	39.0

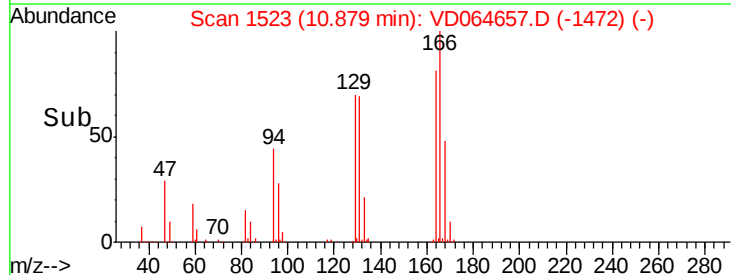
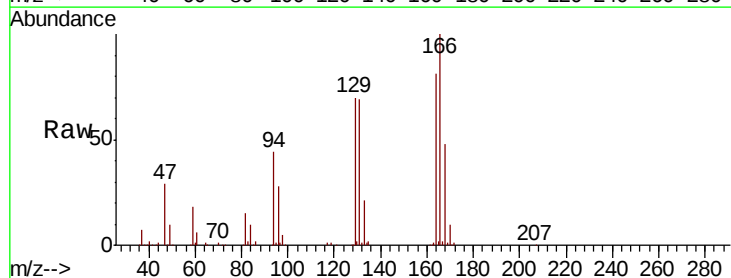
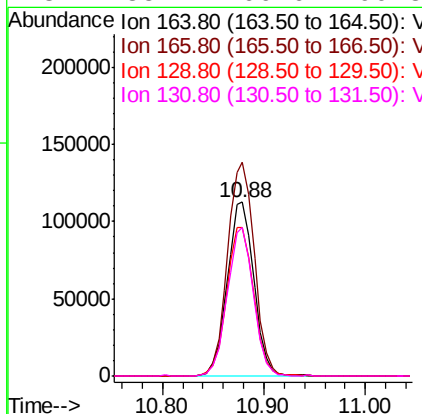
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#64
Tetrachloroethene
Concen: 52.528 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064657.D
Acq: 27 Dec 2019 22:28

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	204014		
166	122.8		101.3	151.9
129	85.4		70.5	105.7
131	85.1		66.6	99.8





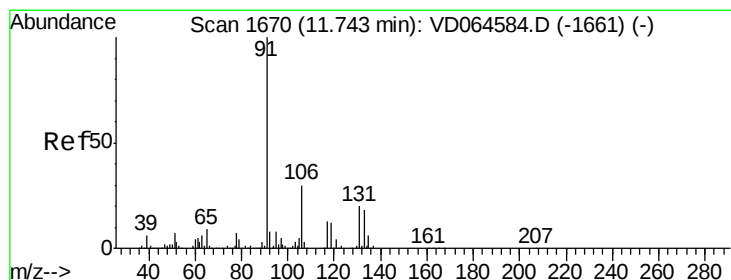
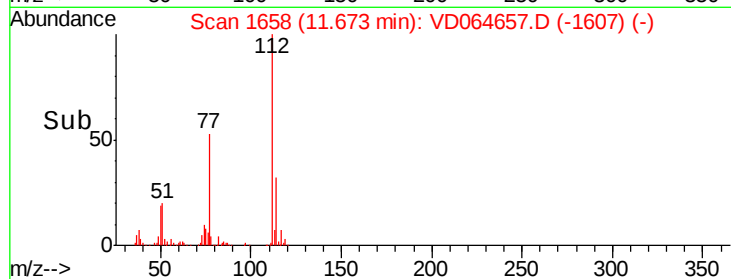
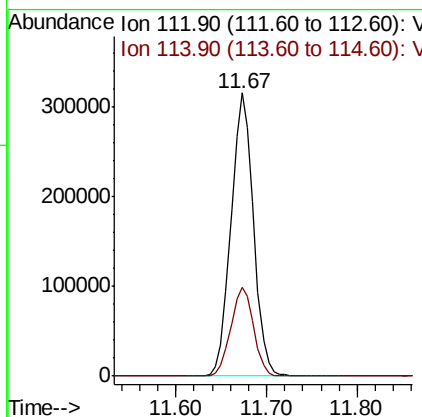
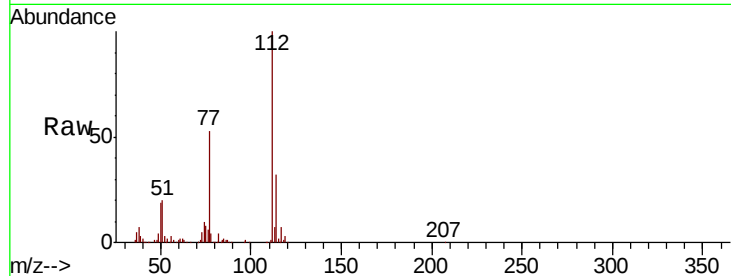
#65
Chlorobenzene
Concen: 51.711 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064657.D
Acq: 27 Dec 2019 22:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.6	24.8	37.2

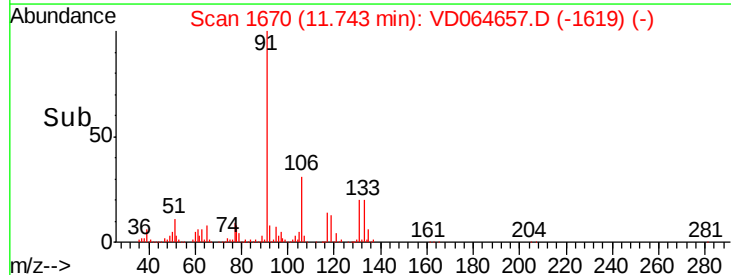
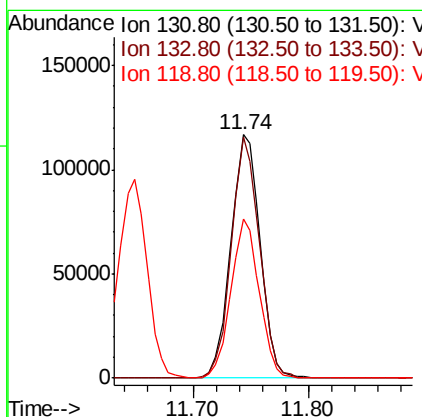
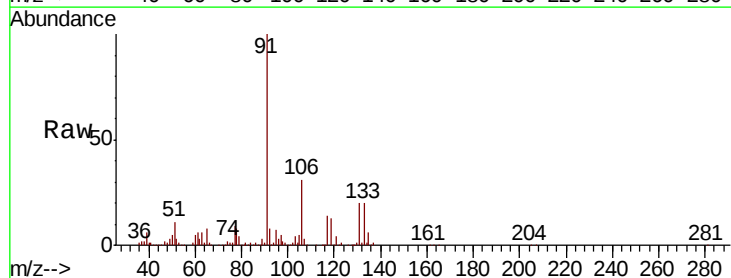
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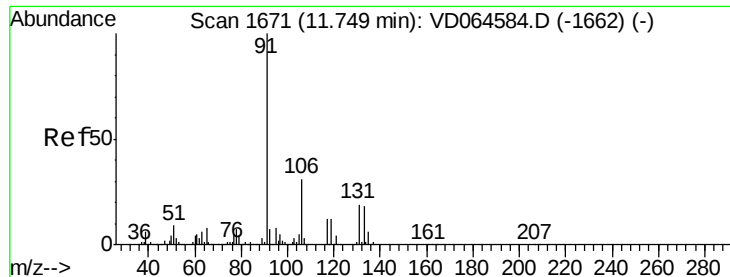
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.616 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD064657.D
Acq: 27 Dec 2019 22:28

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.6	48.3	144.8
119	63.5	32.1	96.3





#67

Ethyl Benzene

Concen: 50.747 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064657.D

Acq: 27 Dec 2019 22:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 967807

Ion Ratio Lower Upper

91 100

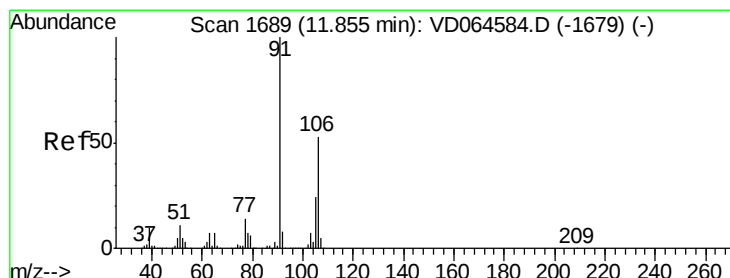
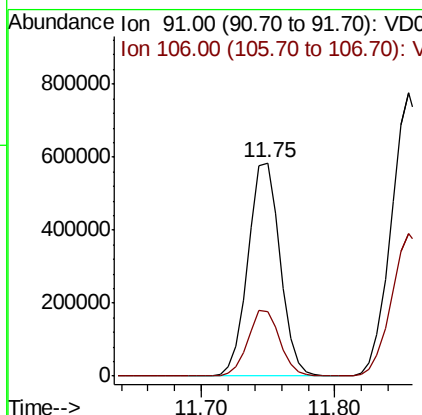
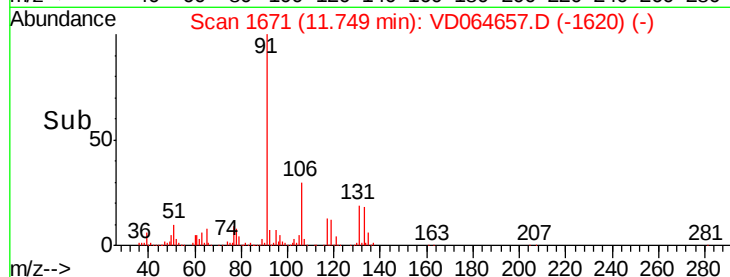
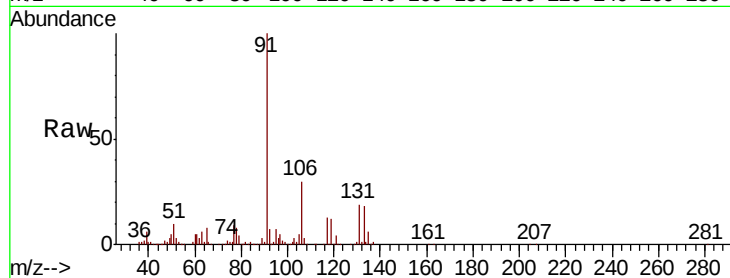
106 30.3 24.6 36.8

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#68

m/p-Xylenes

Concen: 100.359 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064657.D

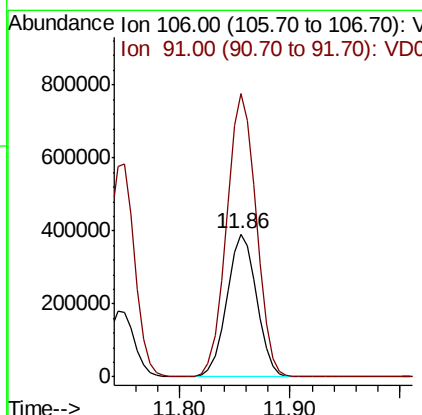
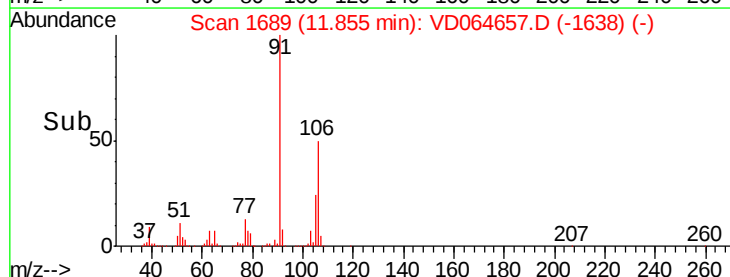
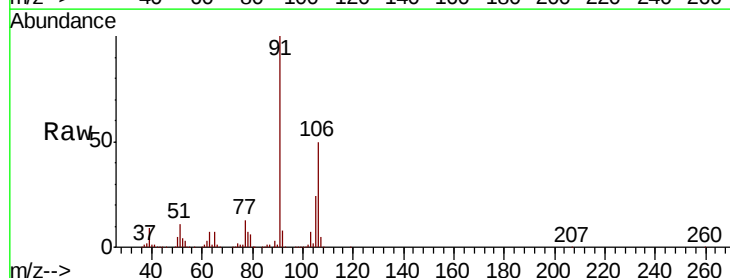
Acq: 27 Dec 2019 22:28

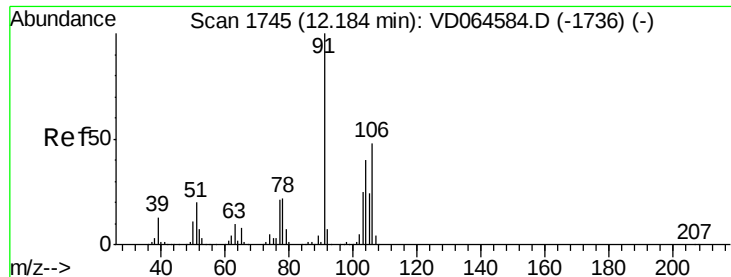
Tgt Ion: 106 Resp: 738759

Ion Ratio Lower Upper

106 100

91 197.8 156.3 234.5





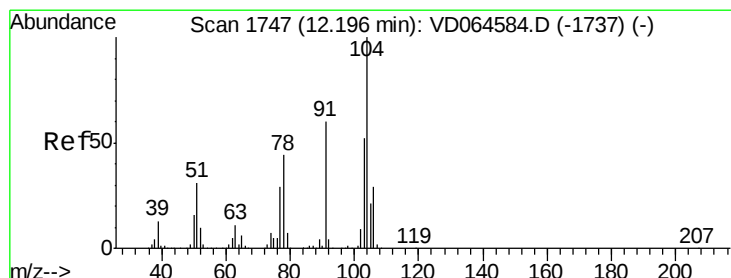
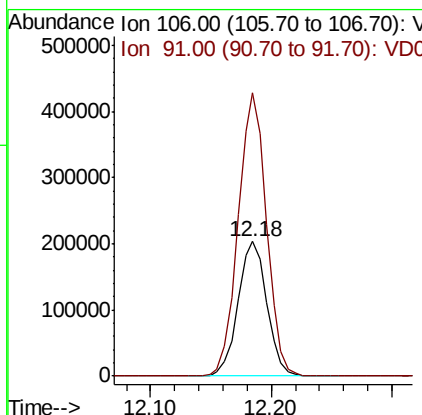
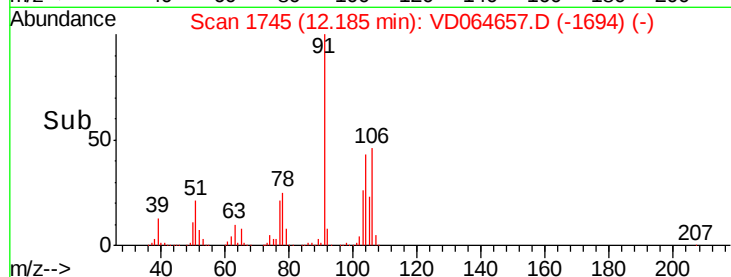
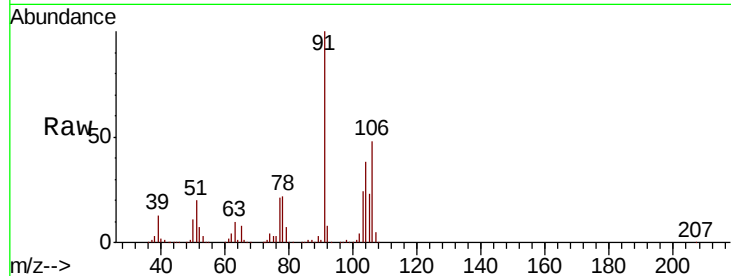
#69
o-Xylene
Concen: 50.856 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064657.D
Acq: 27 Dec 2019 22:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	207.0	104.8	314.4

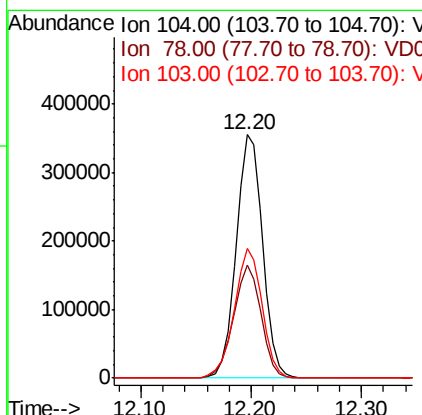
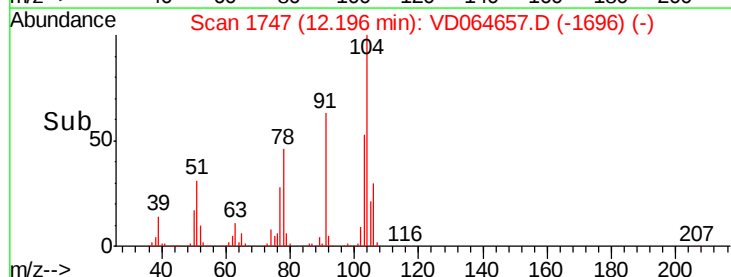
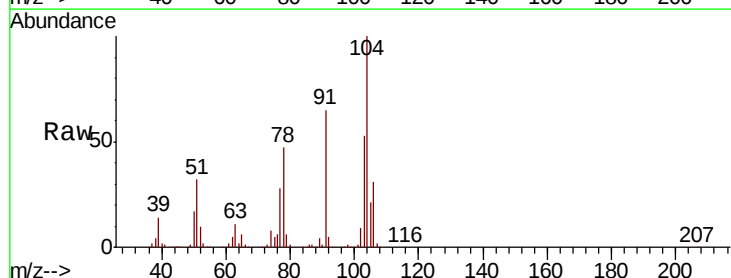
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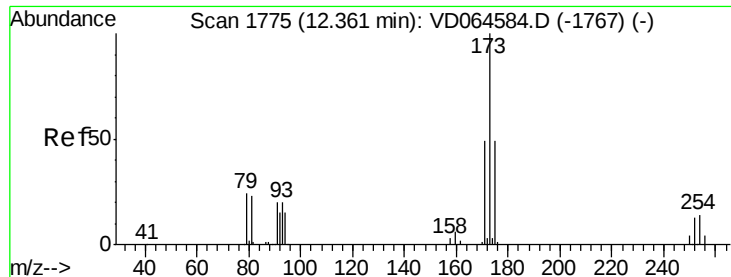
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#70
Styrene
Concen: 51.251 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064657.D
Acq: 27 Dec 2019 22:28

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.5	38.2	57.2
103	55.9	44.6	67.0





#71

Bromoform

Concen: 52.128 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064657.D

Acq: 27 Dec 2019 22:28

Instrument :

MSVOA_D

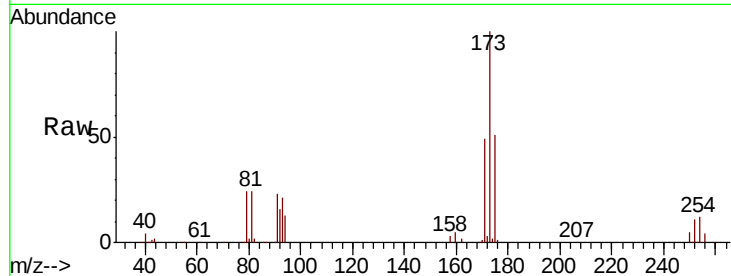
ClientSampleId :

VSTDCCC050

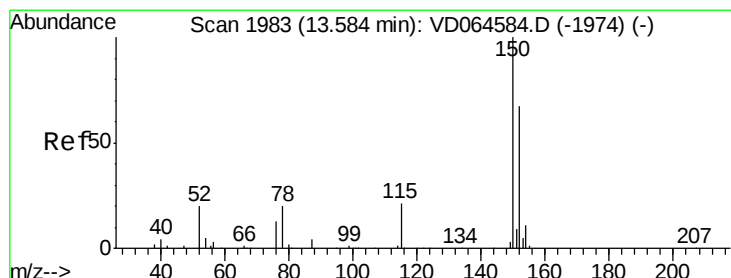
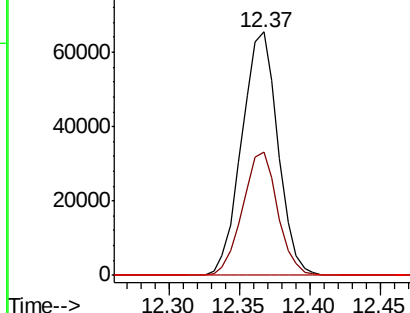
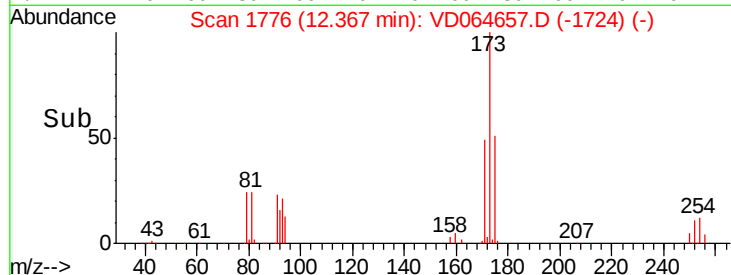
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.6	73.8
254	0.0	0.1	0.1#

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

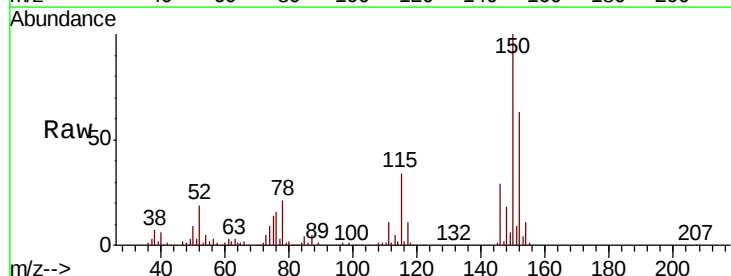
RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

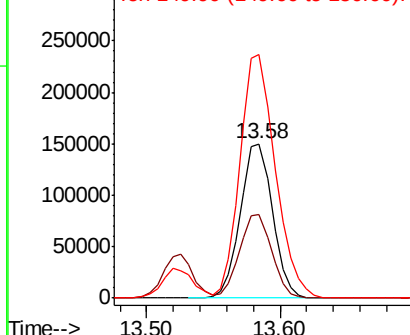
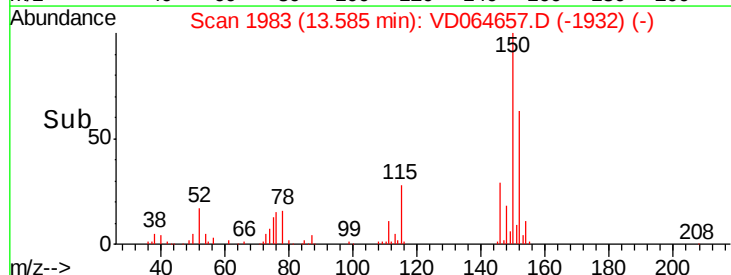
Lab File: VD064657.D

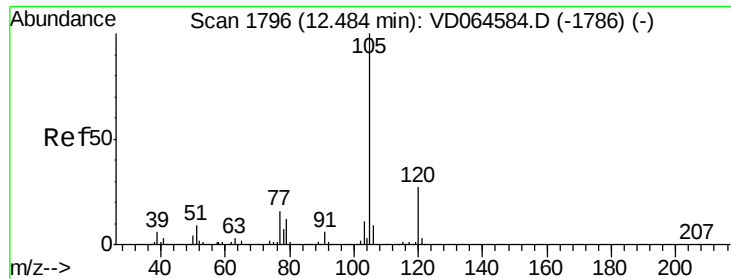
Acq: 27 Dec 2019 22:28

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.1	27.8	83.4
150	173.2	0.0	351.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.701 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064657.D

Acq: 27 Dec 2019 22:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 909002

Ion Ratio Lower Upper

105 100

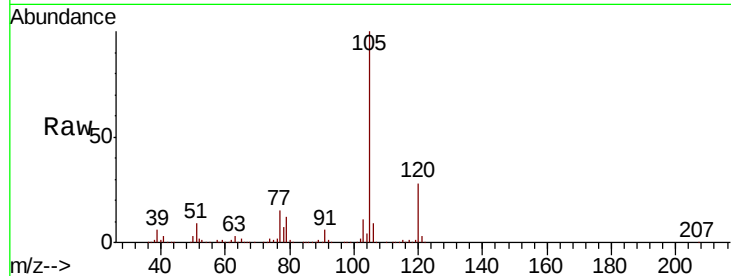
120 26.7 13.5 40.5

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

600000

500000

400000

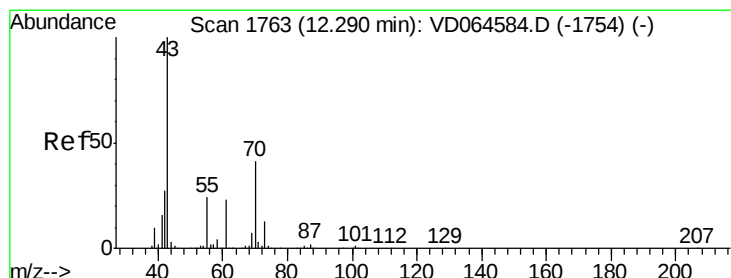
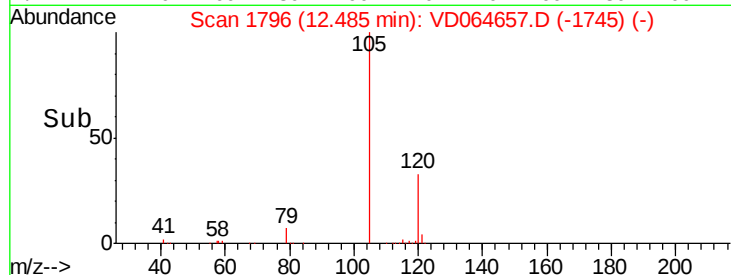
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 52.869 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD064657.D

Acq: 27 Dec 2019 22:28

Tgt Ion: 43 Resp: 202622

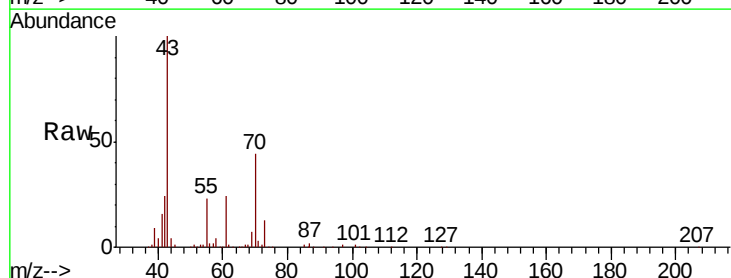
Ion Ratio Lower Upper

43 100

70 44.1 33.4 50.0

55 25.1 19.4 29.0

61 24.4 18.3 27.5



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

200000

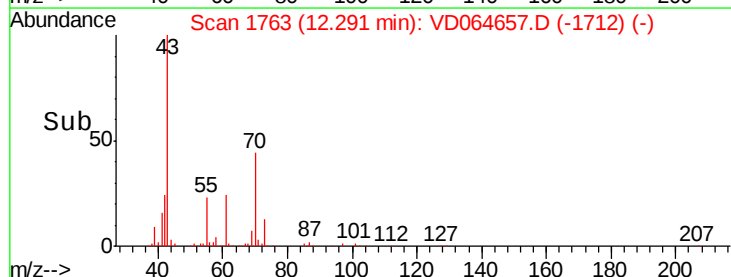
150000

100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 52.541 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064657.D

Acq: 27 Dec 2019 22:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 147977

Ion Ratio Lower Upper

83 100

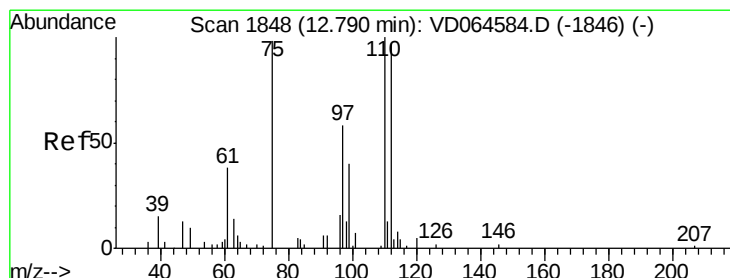
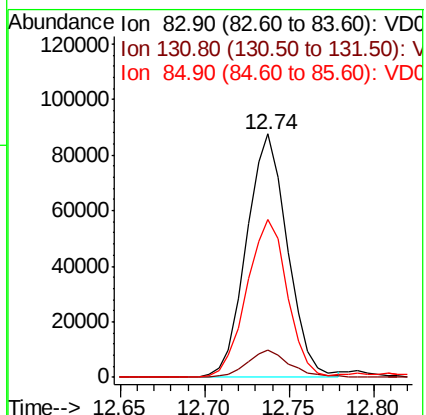
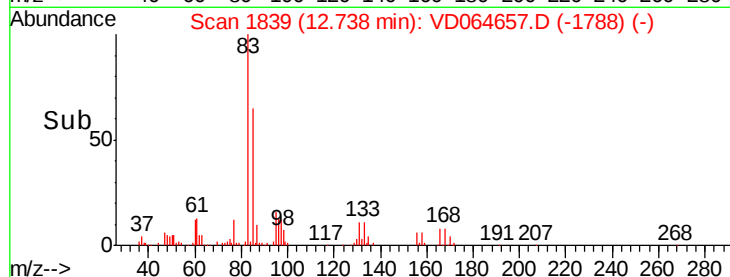
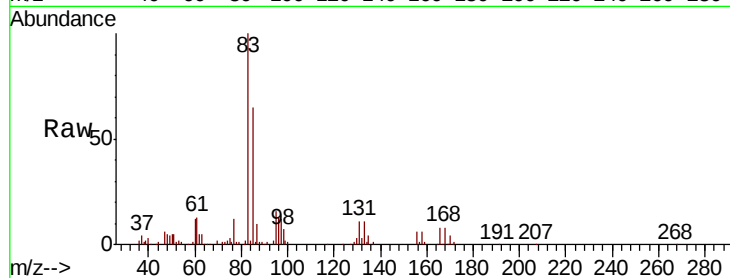
131 11.7 5.8 17.4

85 64.0 32.3 96.9

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#76

1,2,3-Trichloropropane

Concen: 57.422 ug/l m

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064657.D

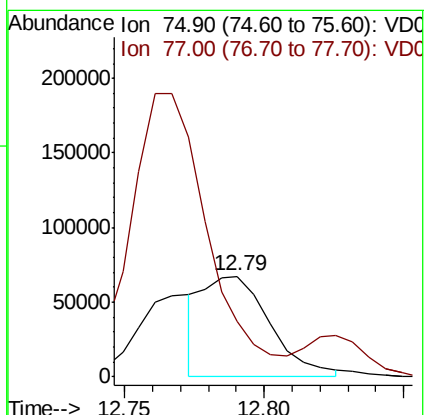
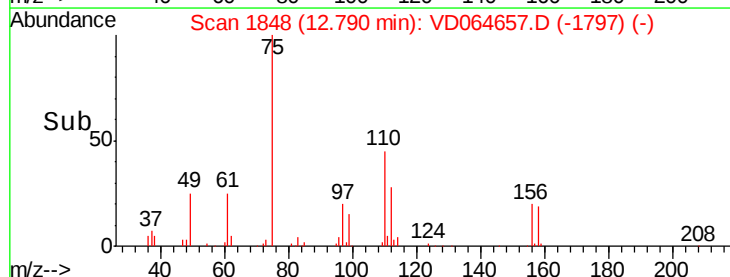
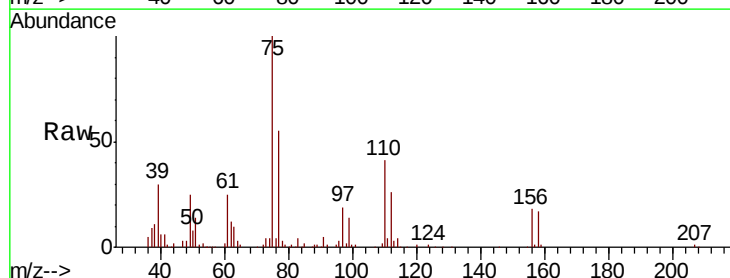
Acq: 27 Dec 2019 22:28

Tgt Ion: 75 Resp: 113760

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





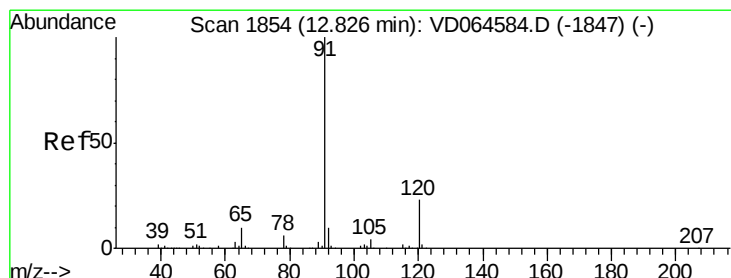
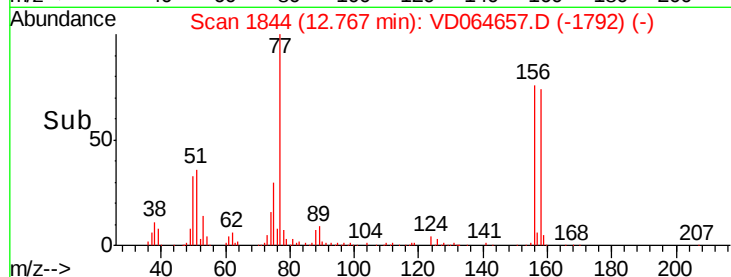
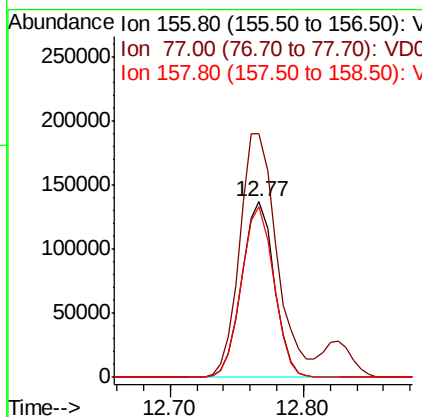
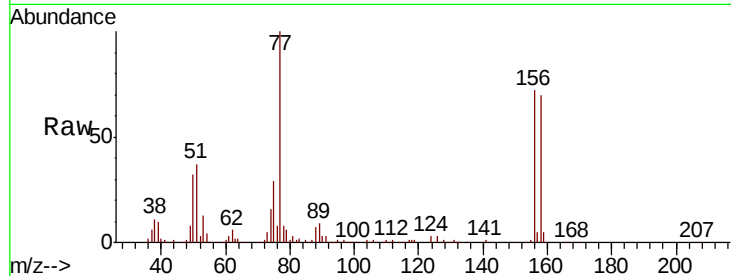
#77
Bromobenzene
Concen: 52.044 ug/l
RT: 12.77 min Scan# 1844
Delta R.T. 0.01 min
Lab File: VD064657.D
Acq: 27 Dec 2019 22:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	160.3	80.9	242.7
158	97.7	48.0	144.2

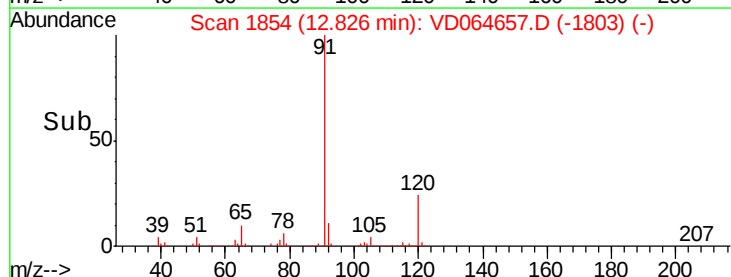
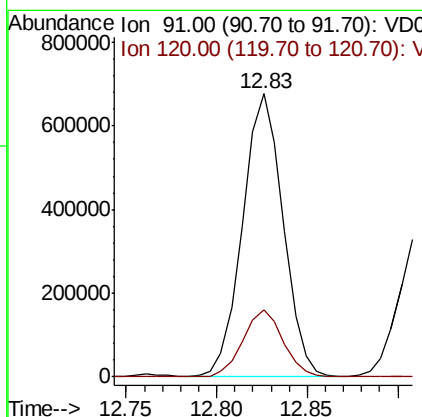
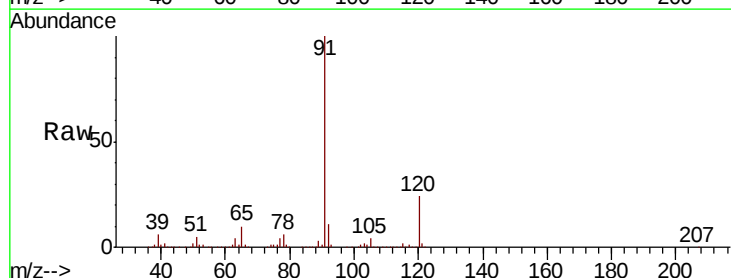
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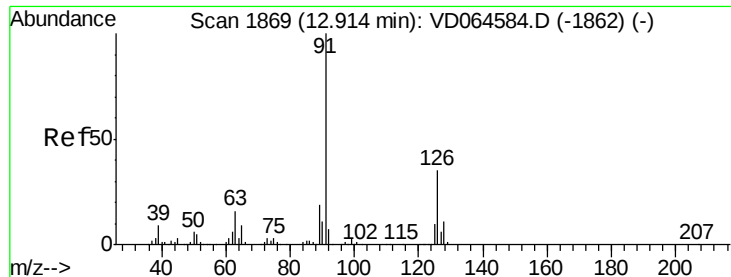
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#78
n-propylbenzene
Concen: 50.083 ug/l
RT: 12.83 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VD064657.D
Acq: 27 Dec 2019 22:28

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.4	11.9	35.9





#79

2-Chlorotoluene

Concen: 50.316 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064657.D

Acq: 27 Dec 2019 22:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 578130

Ion Ratio Lower Upper

91 100

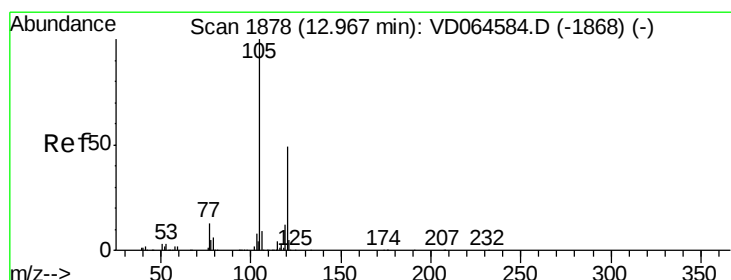
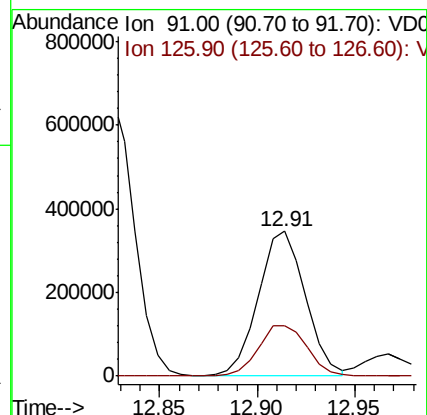
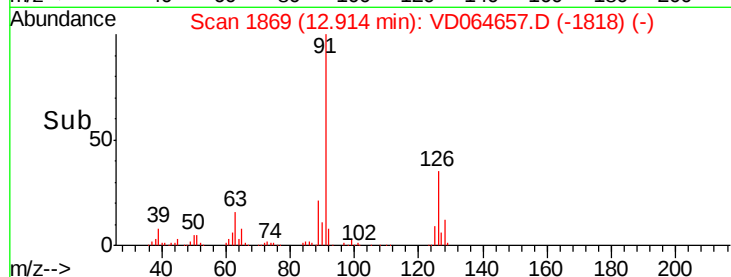
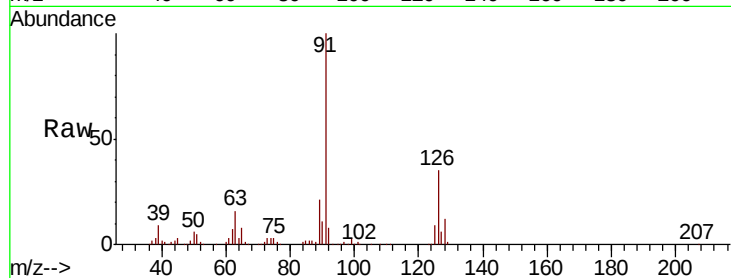
126 36.5 17.8 53.5

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#80

1,3,5-Trimethylbenzene

Concen: 50.662 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064657.D

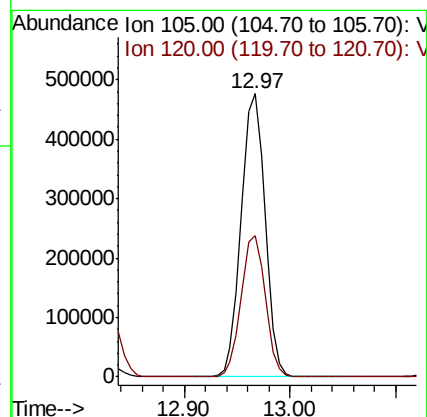
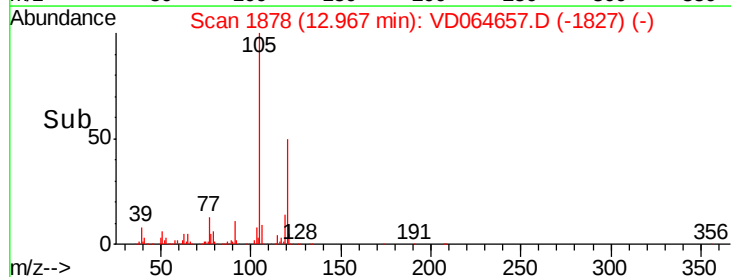
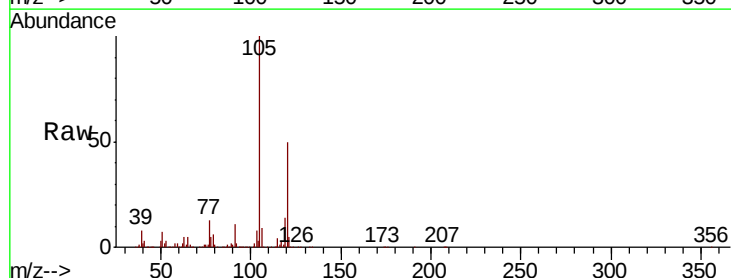
Acq: 27 Dec 2019 22:28

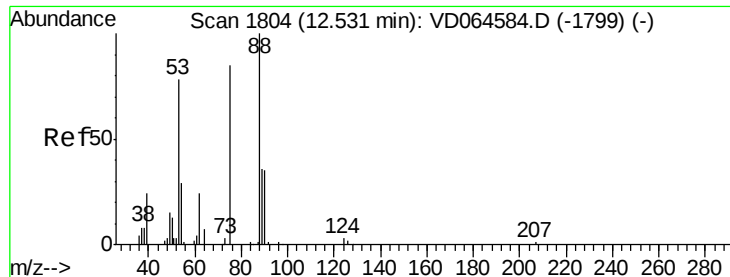
Tgt Ion: 105 Resp: 746135

Ion Ratio Lower Upper

105 100

120 50.4 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 51.064 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD064657.D

Acq: 27 Dec 2019 22:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 48370

Ion Ratio Lower Upper

75 100

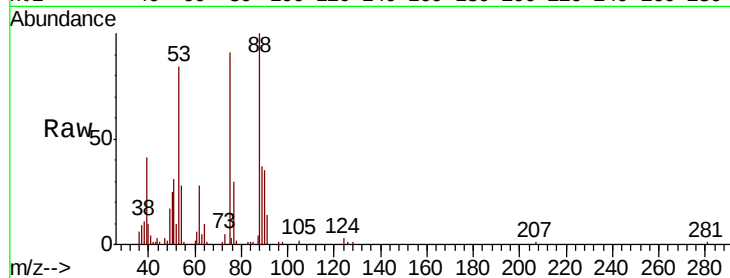
53 100.0 78.8 118.2

89 44.0 38.3 57.5

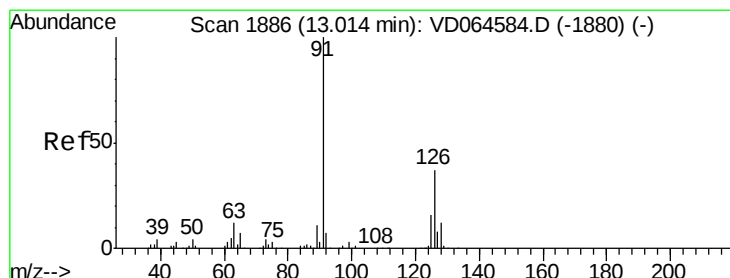
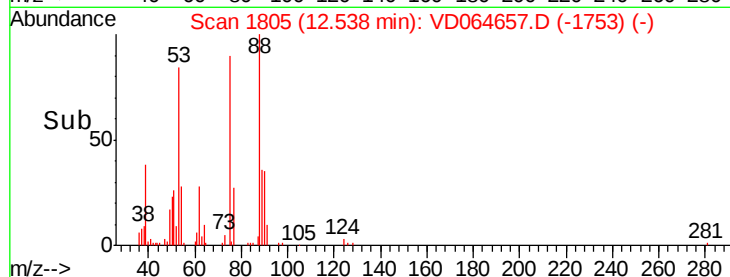
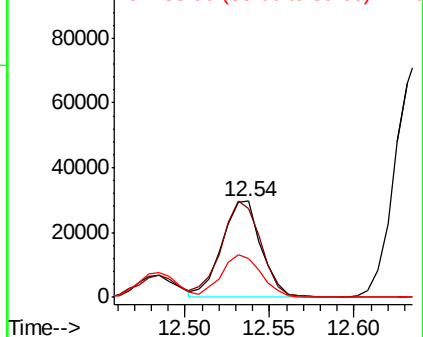
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Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 49.950 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD064657.D

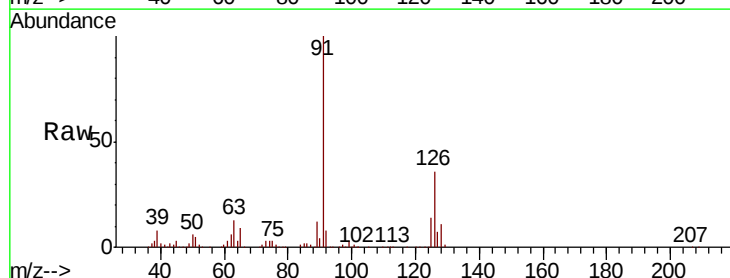
Acq: 27 Dec 2019 22:28

Tgt Ion: 91 Resp: 610770

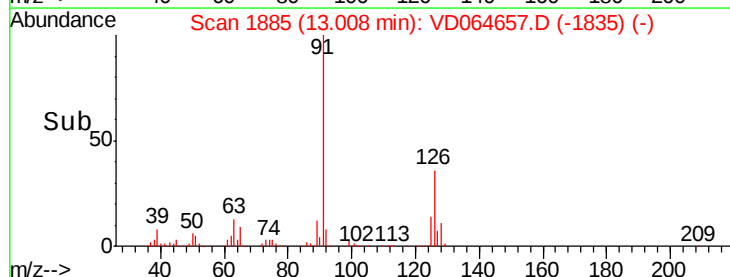
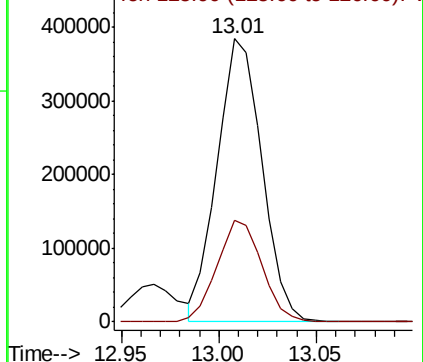
Ion Ratio Lower Upper

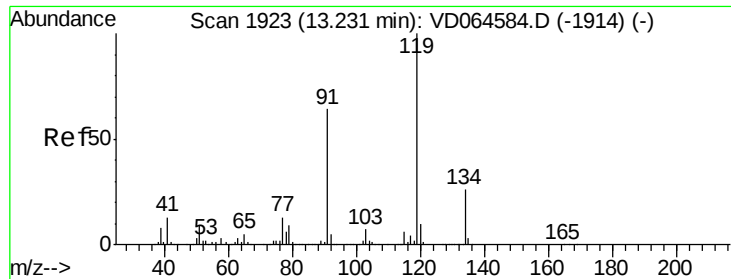
91 100

126 36.2 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.90 (125.60 to 126.60): V





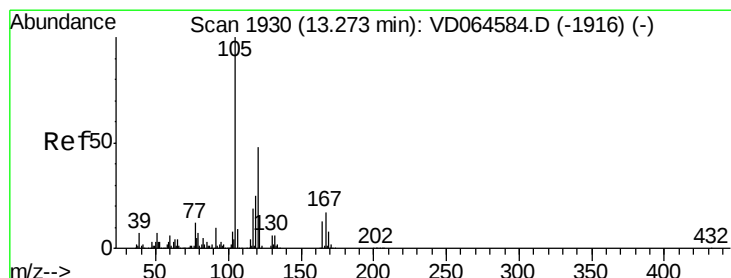
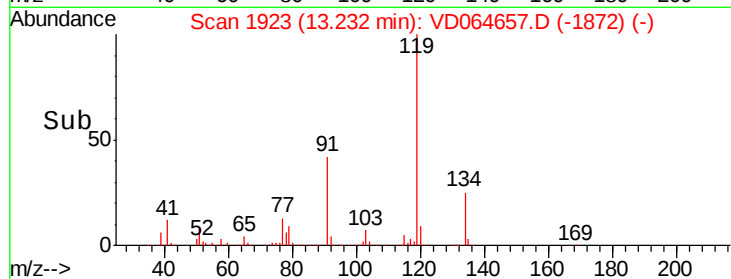
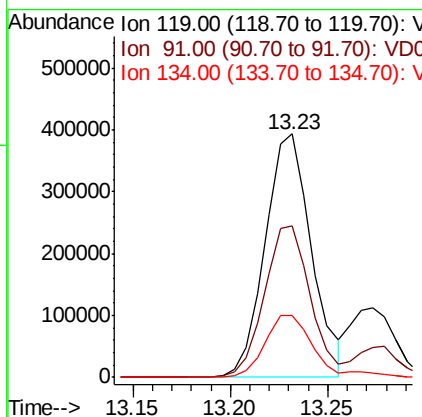
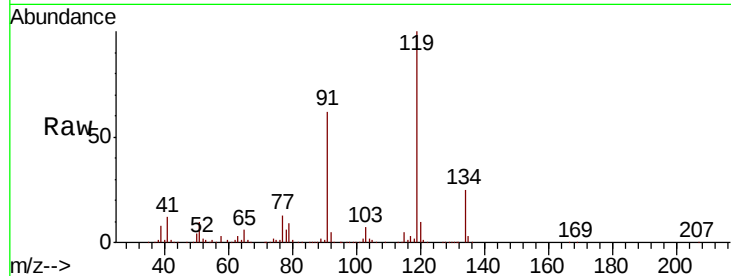
#83
tert-Butylbenzene
Concen: 50.696 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD064657.D
Acq: 27 Dec 2019 22:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.4	30.8	92.4
134	27.2	12.8	38.3

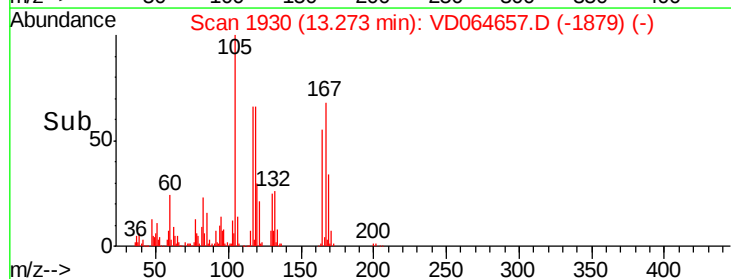
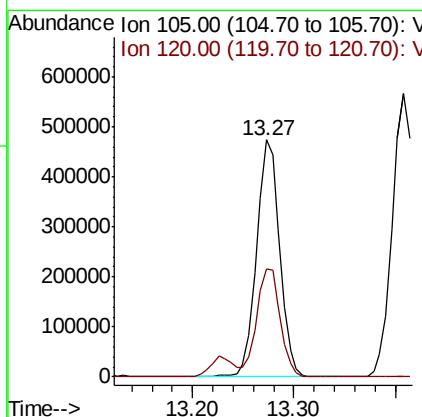
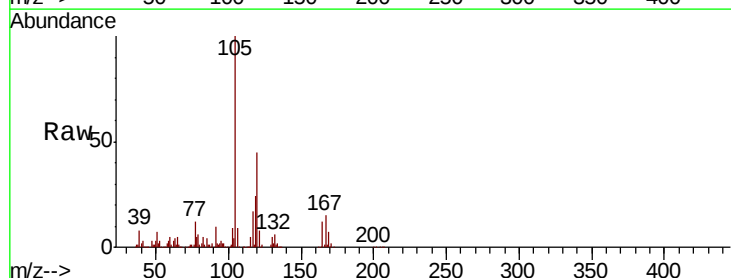
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#84
1,2,4-Trimethylbenzene
Concen: 51.072 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD064657.D
Acq: 27 Dec 2019 22:28

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.8	23.8	71.2





#85

sec-Butylbenzene

Concen: 50.078 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064657.D

Acq: 27 Dec 2019 22:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 877896

Ion Ratio Lower Upper

105 100

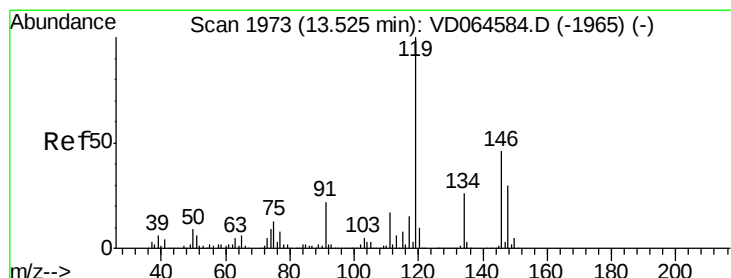
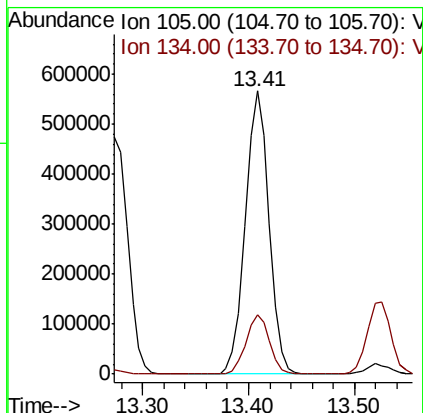
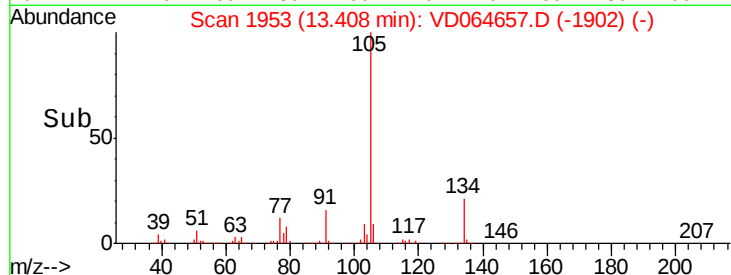
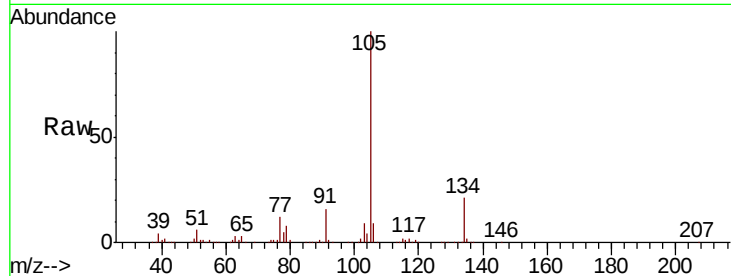
134 21.0 10.6 31.8

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#86

p-Isopropyltoluene

Concen: 50.260 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064657.D

Acq: 27 Dec 2019 22:28

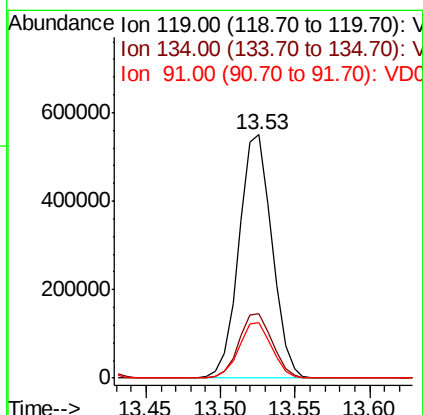
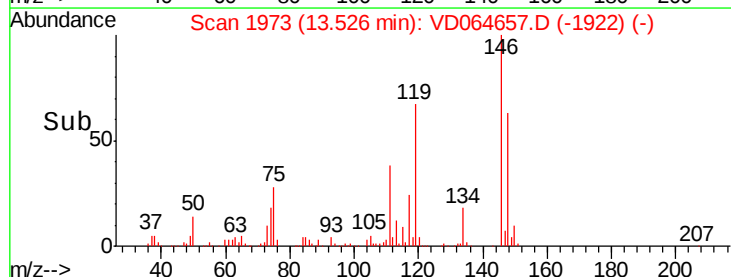
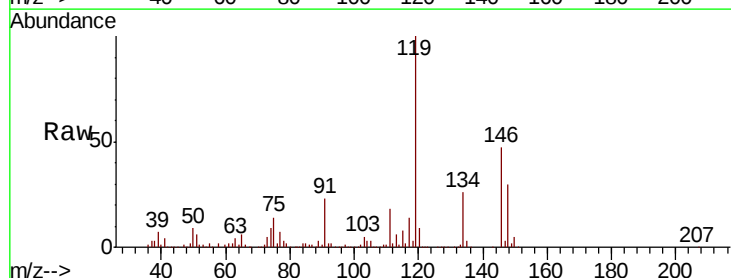
Tgt Ion:119 Resp: 842478

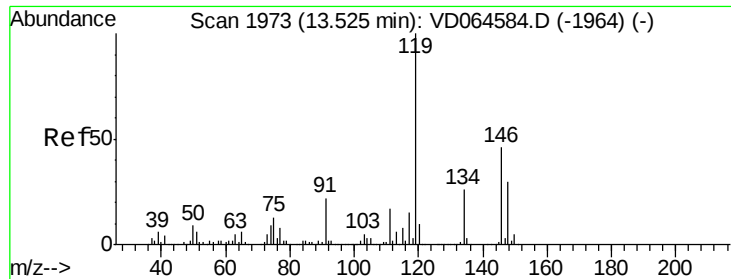
Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.1

91 22.7 11.2 33.6





#87

1,3-Dichlorobenzene

Concen: 50.825 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064657.D

Acq: 27 Dec 2019 22:28

Instrument :

MSVOA_D

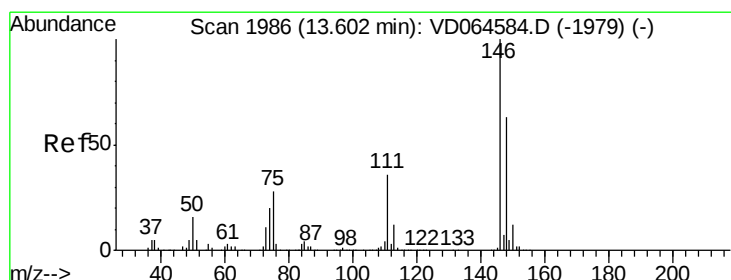
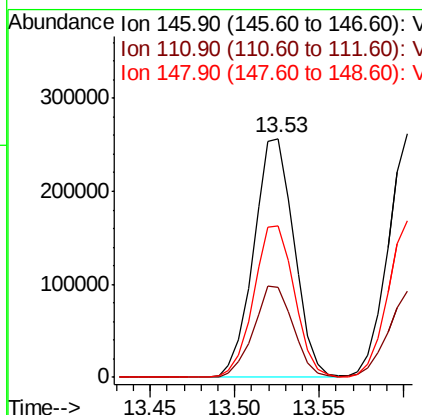
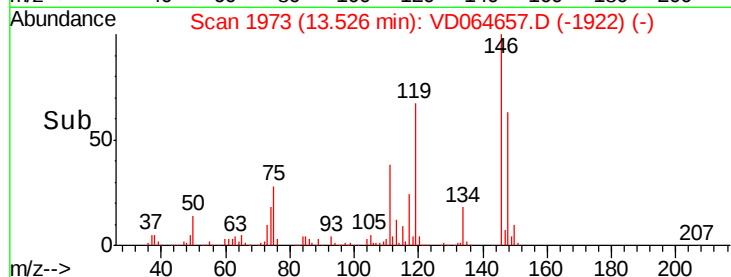
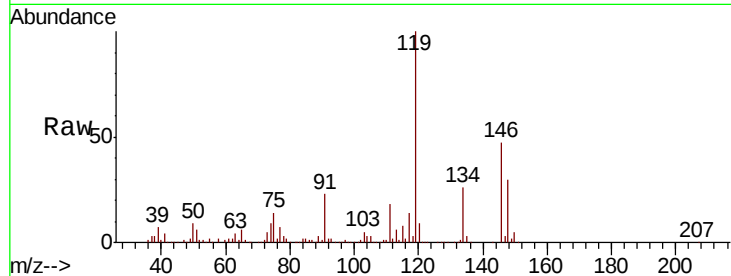
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	426835
Ion Ratio	Lower	Upper	
146	100		
111	37.4	18.8	56.4
148	63.8	32.5	97.5

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#88

1,4-Dichlorobenzene

Concen: 50.838 ug/l

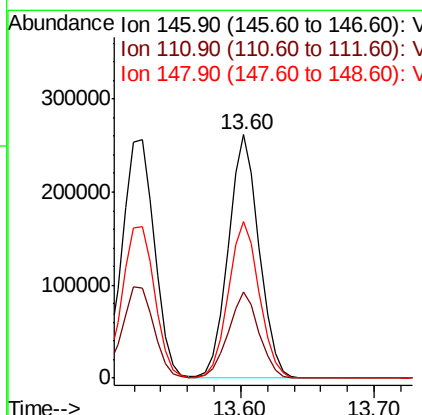
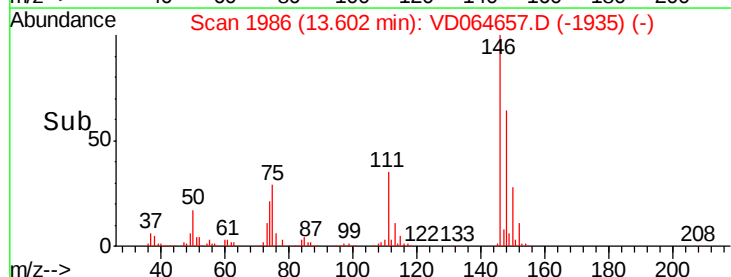
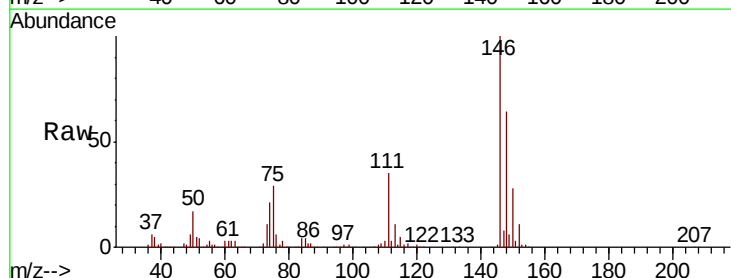
RT: 13.60 min Scan# 1986

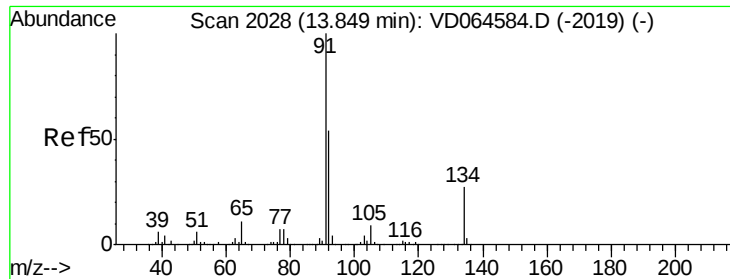
Delta R.T. 0.00 min

Lab File: VD064657.D

Acq: 27 Dec 2019 22:28

Tgt Ion:	146	Resp:	419417
Ion Ratio	Lower	Upper	
146	100		
111	35.4	18.1	54.1
148	64.7	32.3	96.9





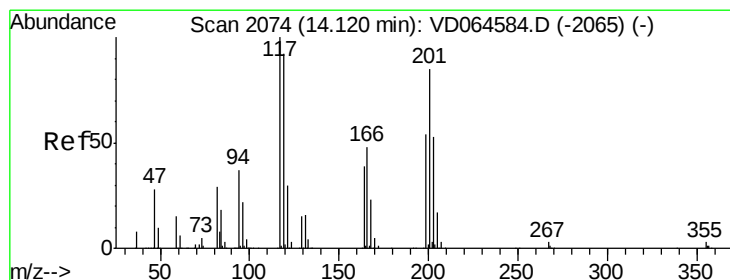
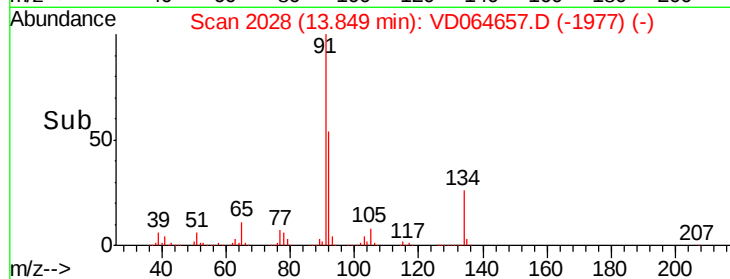
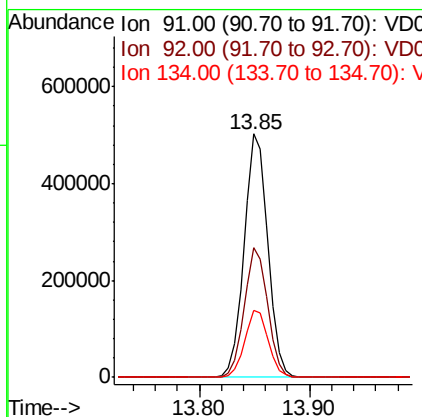
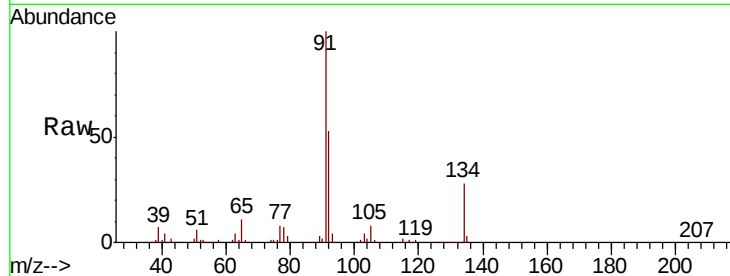
#89
n-Butylbenzene
Concen: 50.086 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064657.D
Acq: 27 Dec 2019 22:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	52.6	26.8	80.4	
134	27.5	14.0	41.9	

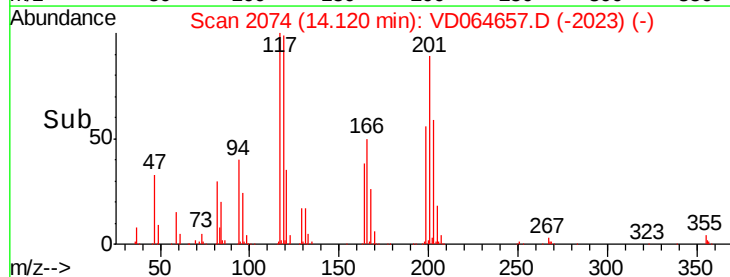
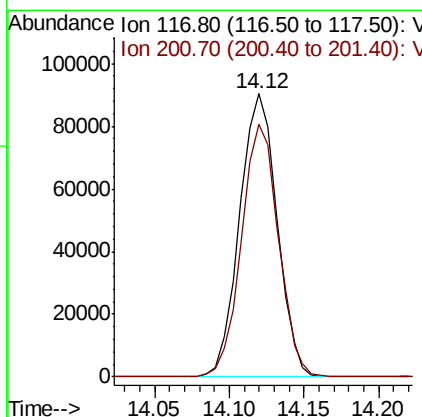
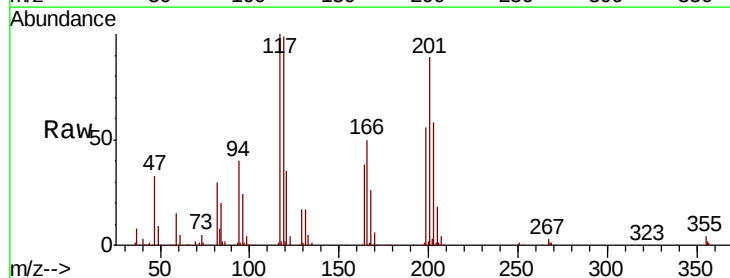
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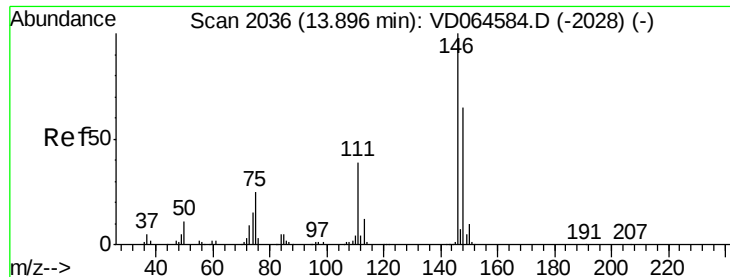
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#90
Hexachloroethane
Concen: 49.062 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064657.D
Acq: 27 Dec 2019 22:28

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	88.0	44.0	131.8	





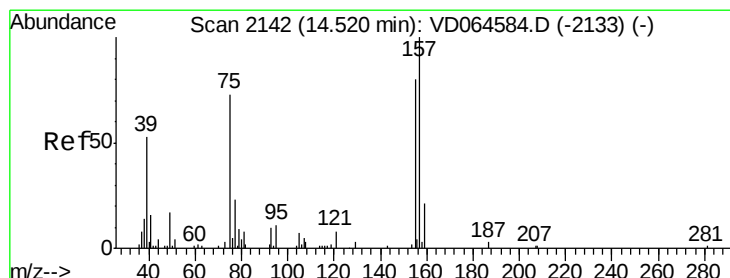
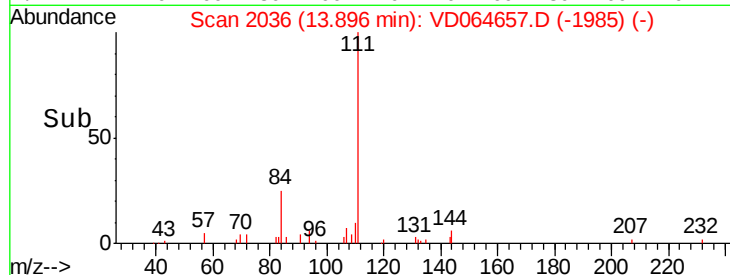
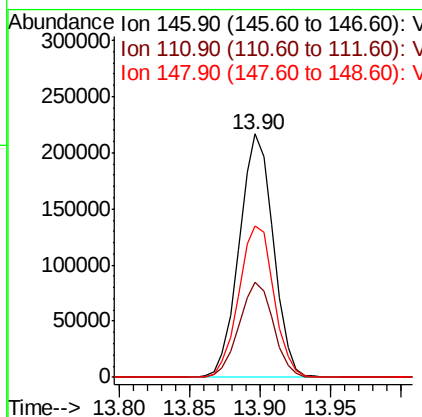
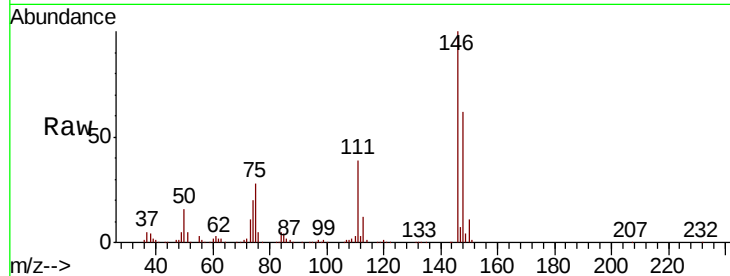
#91
 1,2-Dichlorobenzene
 Concen: 51.074 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064657.D
 Acq: 27 Dec 2019 22:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.3	57.9
148	64.0	31.9	95.5

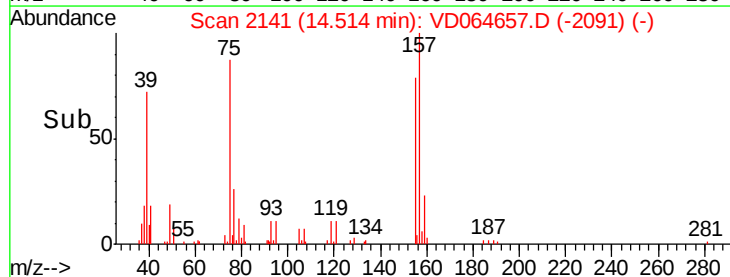
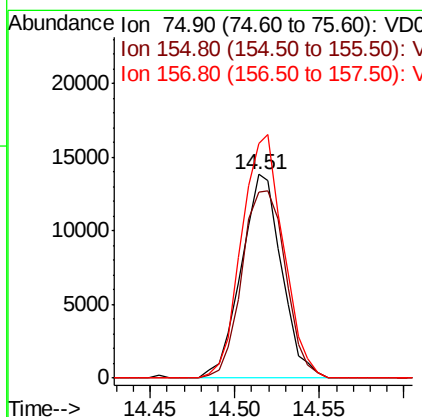
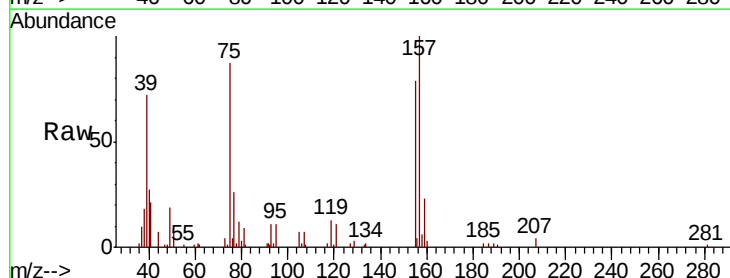
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.434 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD064657.D
 Acq: 27 Dec 2019 22:28

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.5	48.0	144.0
157	123.4	64.1	192.3





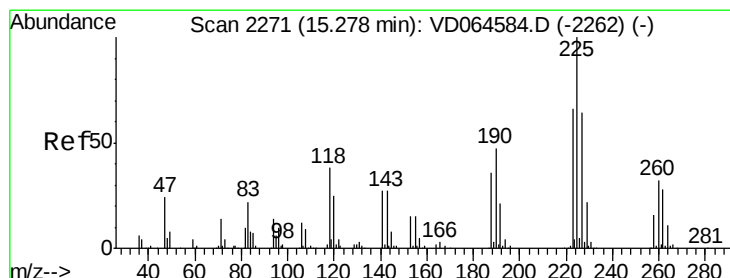
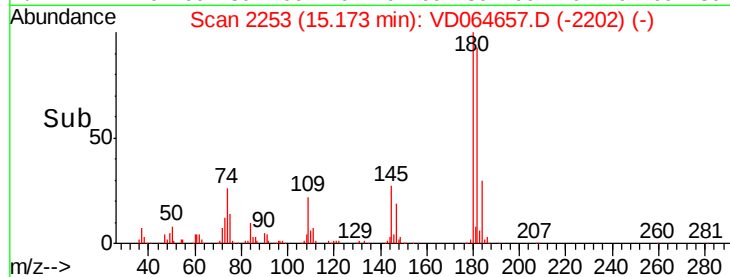
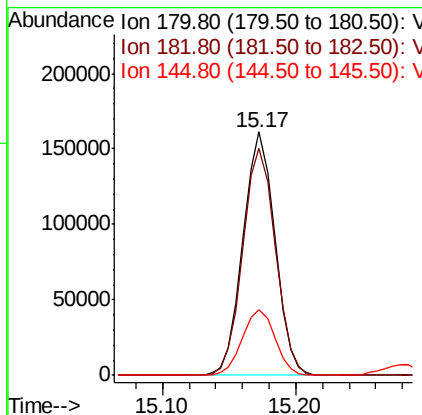
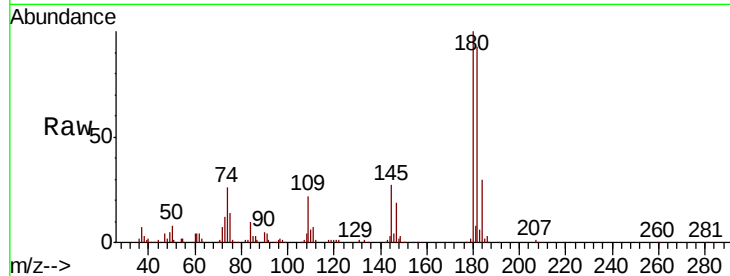
#93
 1,2,4-Trichlorobenzene
 Concen: 50.620 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064657.D
 Acq: 27 Dec 2019 22:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	266911		
182	95.2	48.0	144.2	
145	27.6	13.8	41.4	

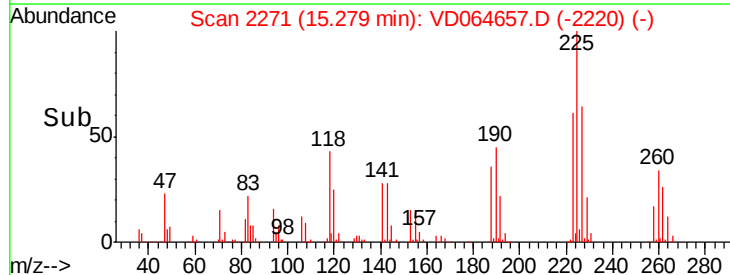
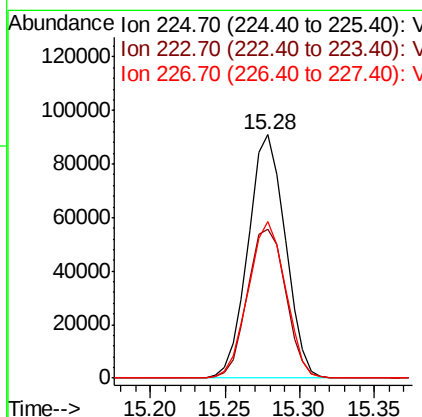
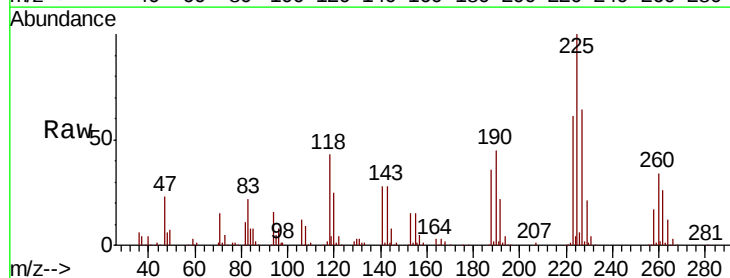
Manual Integrations
 APPROVED

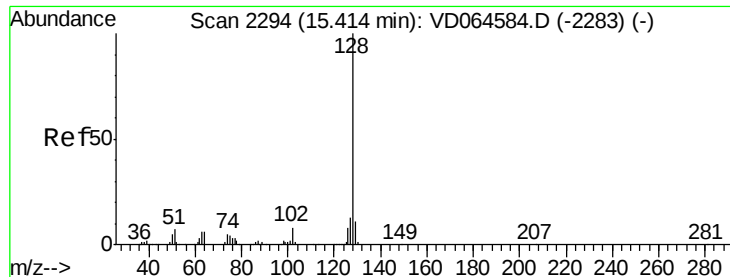
apatel
 12/30/2019 11:03:21 AM



#94
 Hexachlorobutadiene
 Concen: 47.332 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064657.D
 Acq: 27 Dec 2019 22:28

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	157048		
223	63.2	31.1	93.2	
227	64.6	30.9	92.7	





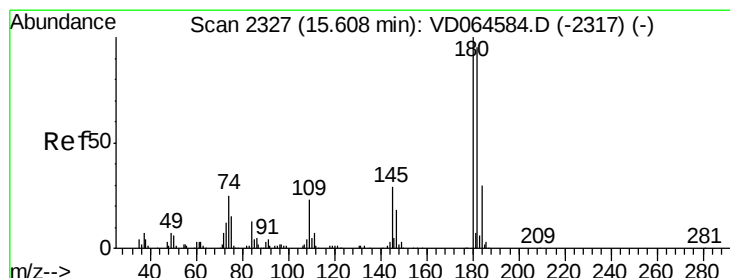
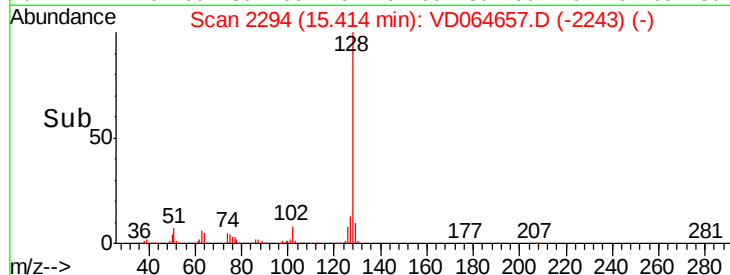
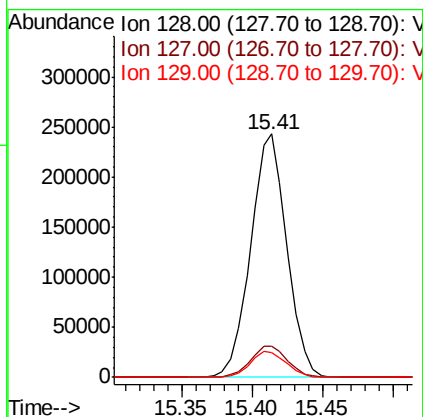
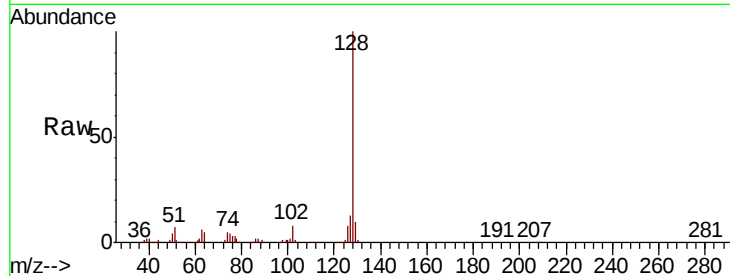
#95
Naphthalene
Concen: 52.117 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064657.D
Acq: 27 Dec 2019 22:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.3	15.5
129	10.6	8.5	12.7

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 50.107 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD064657.D
Acq: 27 Dec 2019 22:28

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.9	143.7
145	30.6	14.9	44.7

