

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD123019\
 Data File : VD064671.D
 Acq On : 30 Dec 2019 11:35
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 12/31/2019 11:47:23 AM

Quant Time: Dec 31 07:21:07 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	441854	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	628946	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	550467	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	264684	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	196699	50.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.96%	
35) Dibromofluoromethane	7.91	113	197419	51.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.32%	
50) Toluene-d8	10.34	98	760945	51.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.98%	
62) 4-Bromofluorobenzene	12.64	95	239429	51.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	155707	45.345	ug/l	98
3) Chloromethane	2.21	50	220313	45.875	ug/l	100
4) Vinyl Chloride	2.35	62	270406	46.180	ug/l	98
5) Bromomethane	2.77	94	188616	44.302	ug/l	94
6) Chloroethane	2.92	64	180303	45.955	ug/l	100
7) Trichlorofluoromethane	3.27	101	445729	45.209	ug/l	98
8) Diethyl Ether	3.70	74	85053	43.442	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	188055	46.056	ug/l	99
10) Methyl Iodide	4.29	142	214514	48.909	ug/l	99
11) Tert butyl alcohol	5.24	59	58244	260.840	ug/l #	70
12) 1,1-Dichloroethene	4.06	96	179241	46.109	ug/l	98
13) Acrolein	3.92	56	76388	245.468	ug/l	99
14) Allyl chloride	4.70	41	290798	47.979	ug/l	99
15) Acrylonitrile	5.43	53	185157	227.045	ug/l	100
16) Acetone	4.16	43	237119	294.794	ug/l	94
17) Carbon Disulfide	4.40	76	569129	45.278	ug/l	100
18) Methyl Acetate	4.71	43	91336	41.639	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	392452	45.452	ug/l	98
20) Methylene Chloride	4.95	84	195139	48.860	ug/l	98
21) trans-1,2-Dichloroethene	5.46	96	207894	46.959	ug/l	97
22) Diisopropyl ether	6.36	45	564533	46.698	ug/l	99
23) Vinyl Acetate	6.30	43	1641335	239.345	ug/l	100
24) 1,1-Dichloroethane	6.26	63	343267	47.299	ug/l	98
25) 2-Butanone	7.22	43	257902	240.810	ug/l	99
26) 2,2-Dichloropropane	7.21	77	325875	48.295	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	222765	46.624	ug/l	97
28) Bromochloromethane	7.54	49	136789	48.487	ug/l	99
29) Tetrahydrofuran	7.57	42	148628	223.160	ug/l	97
30) Chloroform	7.71	83	360327	47.323	ug/l	97
31) Cyclohexane	7.98	56	323339	44.508	ug/l	93
32) 1,1,1-Trichloroethane	7.90	97	338355	47.311	ug/l	99
36) 1,1-Dichloropropene	8.11	75	291677	48.182	ug/l	99
37) Ethyl Acetate	7.30	43	108741	45.725	ug/l	99
38) Carbon Tetrachloride	8.09	117	319947	49.566	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	353801	48.254	ug/l	97
40) Benzene	8.35	78	784256	47.457	ug/l	100
41) Methacrylonitrile	7.53	41	60607	43.924	ug/l	88
42) 1,2-Dichloroethane	8.43	62	227661	47.673	ug/l	98
43) Isopropyl Acetate	8.46	43	215353	45.495	ug/l	99
44) Trichloroethene	9.11	130	230938	47.570	ug/l	96
45) 1,2-Dichloropropane	9.38	63	189169	47.943	ug/l	96
46) Dibromomethane	9.47	93	98623	44.831	ug/l	96
47) Bromodichloromethane	9.66	83	276462	47.228	ug/l	97
48) Methyl methacrylate	9.46	41	100776	45.215	ug/l	93
49) 1,4-Dioxane	9.46	88	21828	860.523	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	526486	225.025	ug/l	99
52) Toluene	10.40	92	518455	47.819	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	257543	47.190	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	309764	48.135	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	137725	46.455	ug/l	95
56) Ethyl methacrylate	10.66	69	167168	45.150	ug/l	99
57) 1,3-Dichloropropane	10.95	76	234392	45.918	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	328353	232.770	ug/l	99
59) 2-Hexanone	10.98	43	390451	245.878	ug/l	99
60) Dibromochloromethane	11.14	129	184928	45.107	ug/l	98
61) 1,2-Dibromoethane	11.25	107	132372	45.269	ug/l	99
64) Tetrachloroethene	10.87	164	197250	46.707	ug/l	98
65) Chlorobenzene	11.67	112	534561	46.789	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	202508	47.018	ug/l	100
67) Ethyl Benzene	11.75	91	984236	47.463	ug/l	99
68) m/p-Xylenes	11.86	106	754188	94.227	ug/l	97
69) o-Xylene	12.18	106	343677	47.538	ug/l	100
70) Styrene	12.20	104	603921	47.590	ug/l	99
71) Bromoform	12.37	173	113932	46.386	ug/l #	100
73) Isopropylbenzene	12.48	105	936896	49.532	ug/l	100
74) N-amyl acetate	12.30	43	198242	49.029	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	139500	46.948	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	87891m	42.051	ug/l	
77) Bromobenzene	12.77	156	220936	47.537	ug/l	98
78) n-propylbenzene	12.83	91	1103042	49.987	ug/l	99
79) 2-Chlorotoluene	12.91	91	589316	48.615	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	765808	49.287	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	50586	50.619	ug/l	96
82) 4-Chlorotoluene	13.01	91	619908	48.054	ug/l	99
83) tert-Butylbenzene	13.23	119	663676	49.195	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	762699	49.287	ug/l	97
85) sec-Butylbenzene	13.41	105	917987	49.635	ug/l	100
86) p-Isopropyltoluene	13.53	119	880141	49.769	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	428043	48.312	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	414598	47.634	ug/l	100
89) n-Butylbenzene	13.86	91	796274	50.000	ug/l	99
90) Hexachloroethane	14.12	117	163114	48.285	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	356306	47.162	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	22826	47.387	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	262022	47.102	ug/l	98
94) Hexachlorobutadiene	15.28	225	164116	46.883	ug/l	98
95) Naphthalene	15.41	128	403012	45.795	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	219570	46.235	ug/l	99

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

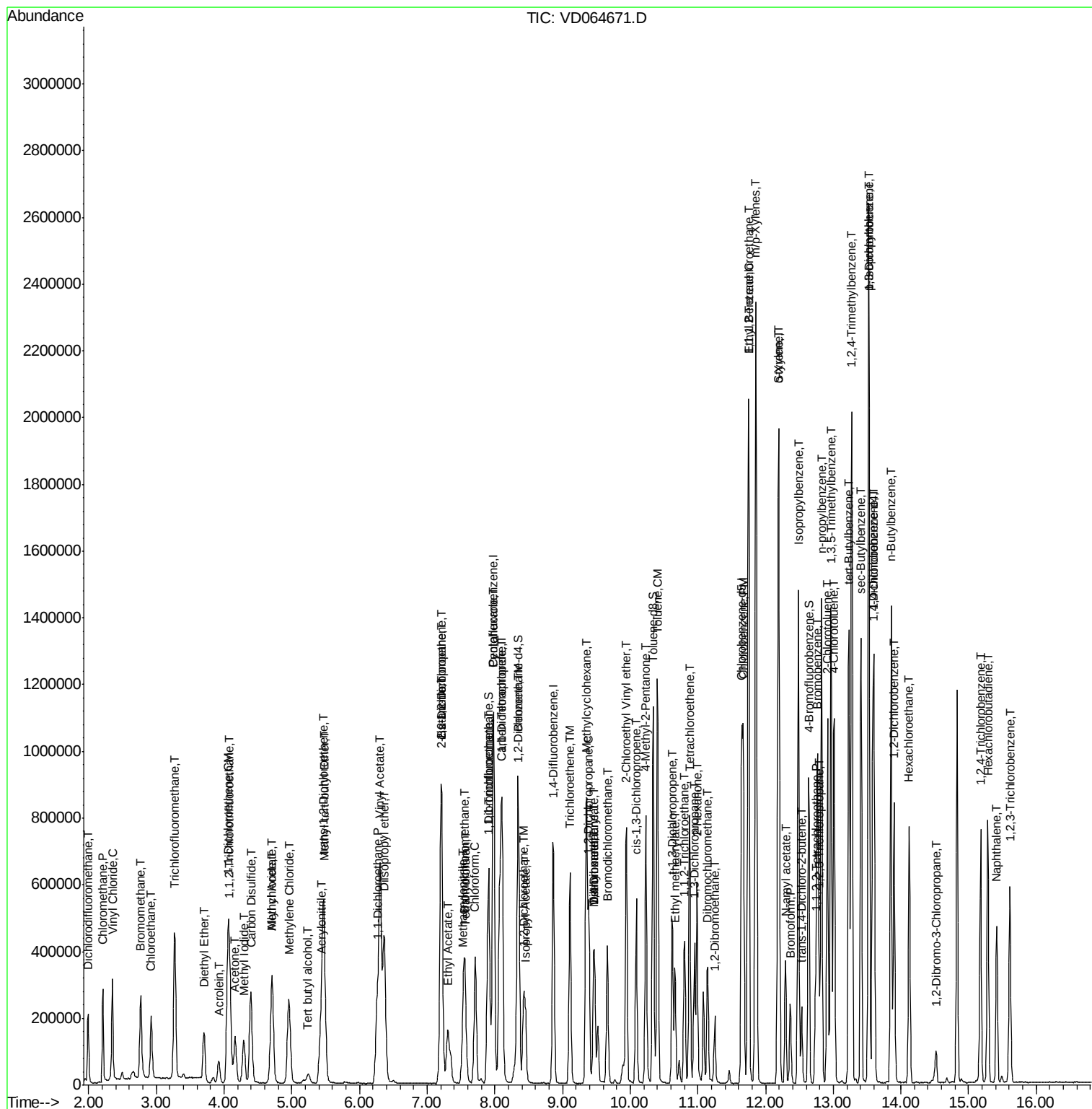
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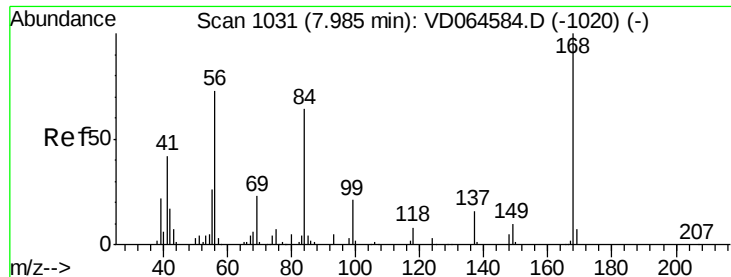
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064671.D

Acq: 30 Dec 2019 11:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 441854

Ion Ratio Lower Upper

168 100

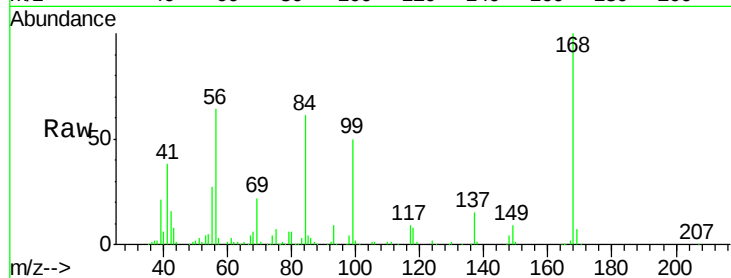
99 50.1 41.8 62.6

Manual Integrations

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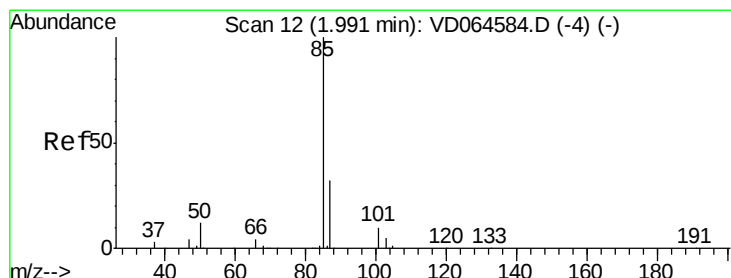
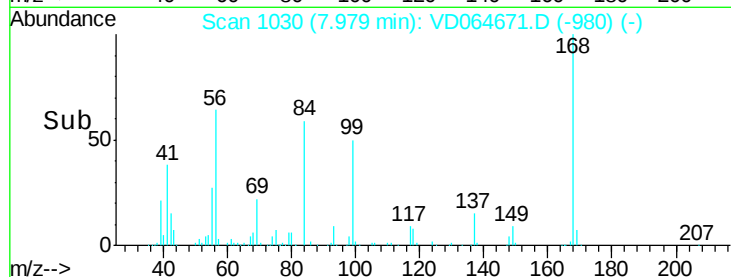
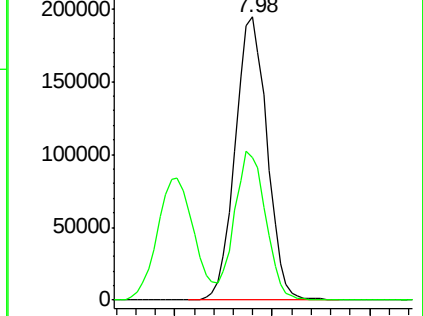
apatel

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 45.345 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064671.D

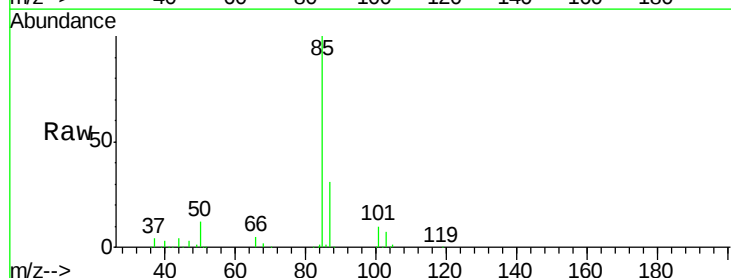
Acq: 30 Dec 2019 11:35

Tgt Ion: 85 Resp: 155707

Ion Ratio Lower Upper

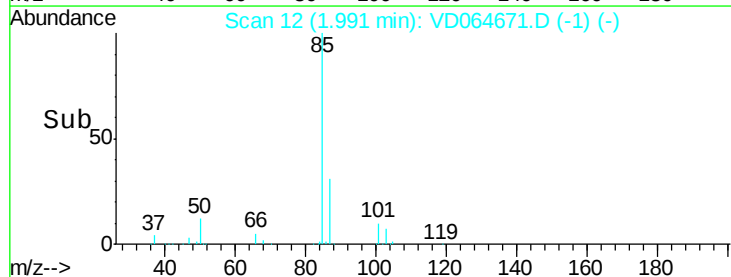
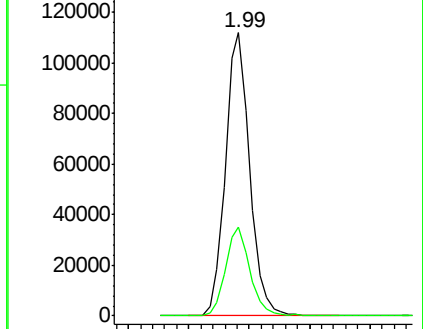
85 100

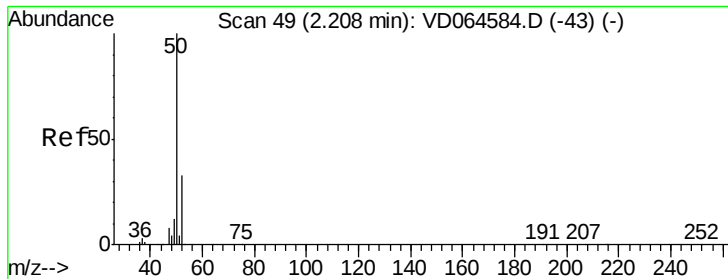
87 31.2 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 45.875 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064671.D

Acq: 30 Dec 2019 11:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 220313

Ion Ratio Lower Upper

50 100

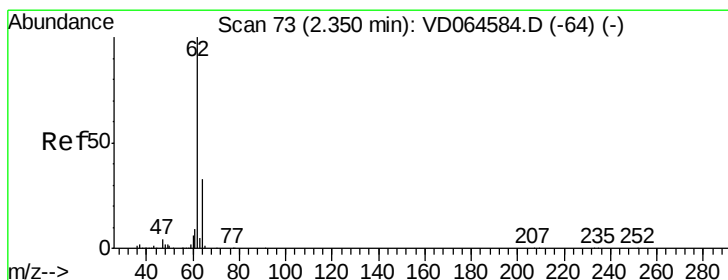
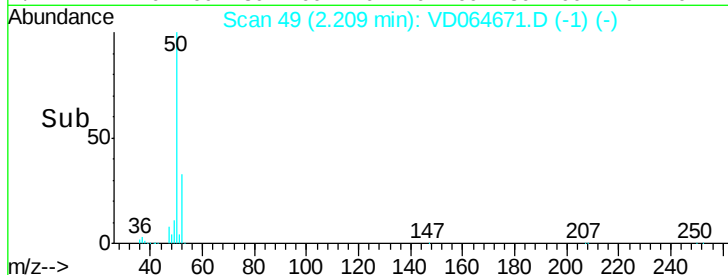
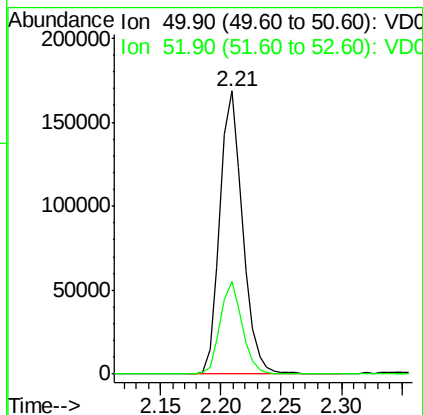
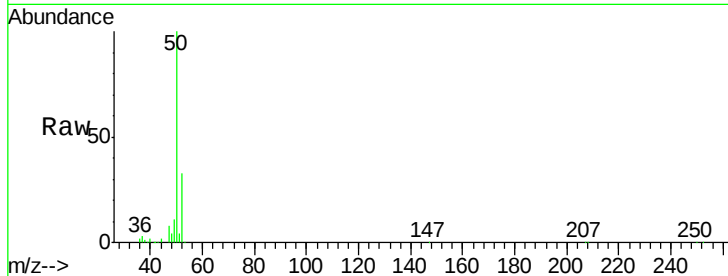
52 32.9 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 46.180 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064671.D

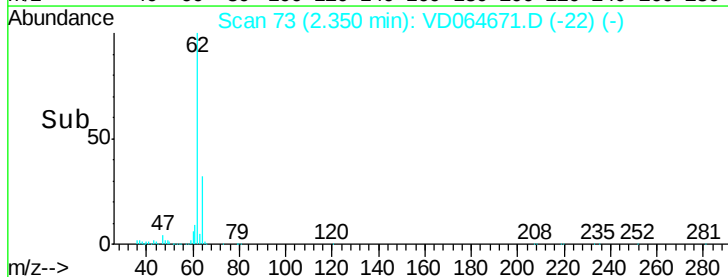
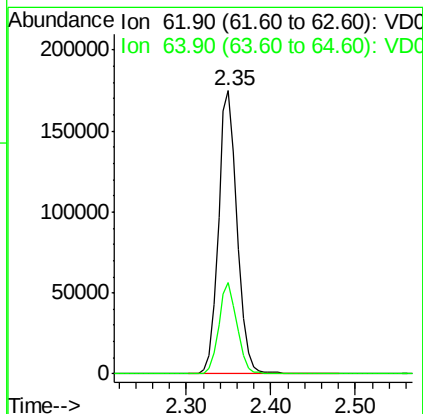
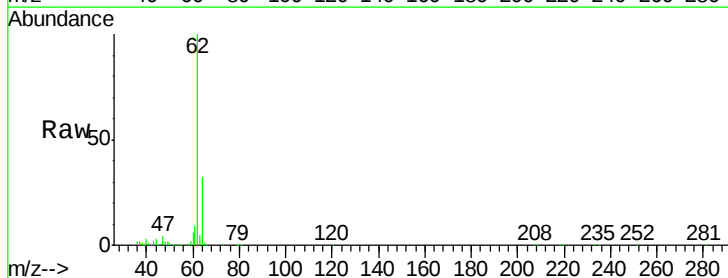
Acq: 30 Dec 2019 11:35

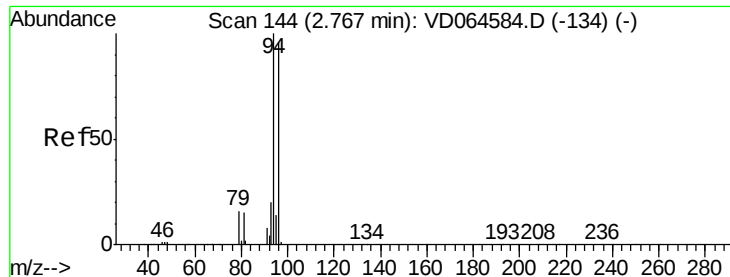
Tgt Ion: 62 Resp: 270406

Ion Ratio Lower Upper

62 100

64 32.2 26.6 40.0





#5

Bromomethane

Concen: 44.302 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD064671.D

Acq: 30 Dec 2019 11:35

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ClientSampleId :

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Tot Ion: 94 Resp: 188616

Ion Ratio Lower Upper

94 100

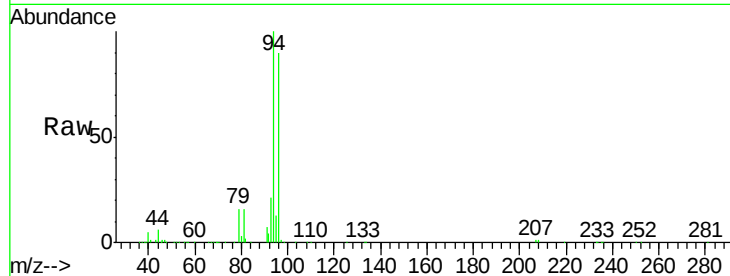
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Manual Integrations

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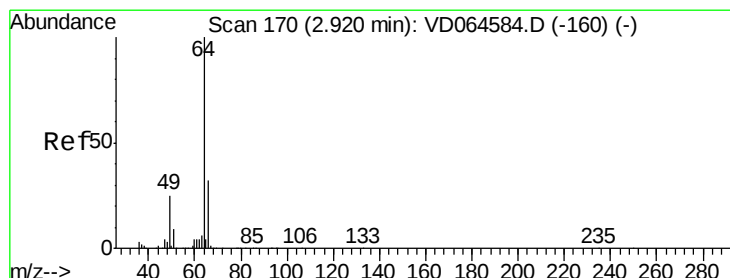
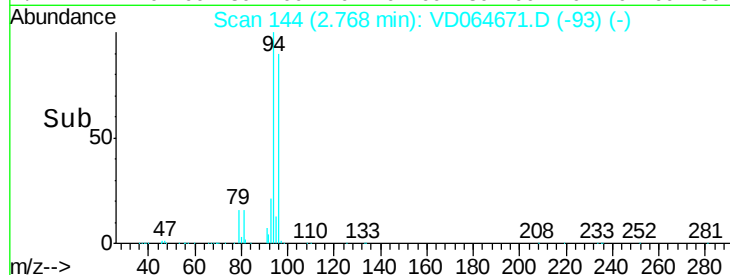
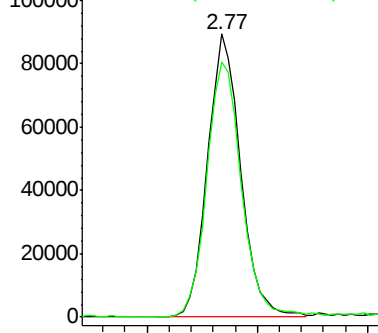
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 45.955 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064671.D

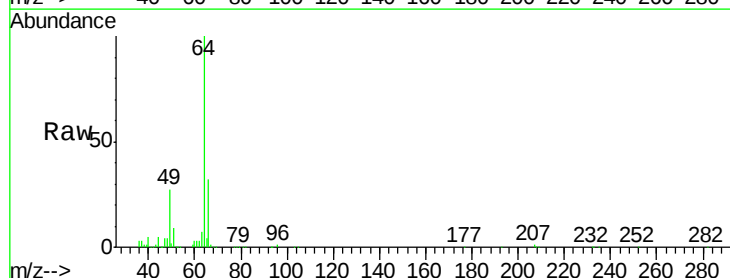
Acq: 30 Dec 2019 11:35

Tgt Ion: 64 Resp: 180303

Ion Ratio Lower Upper

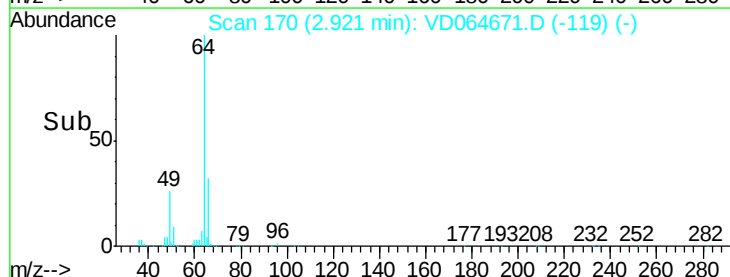
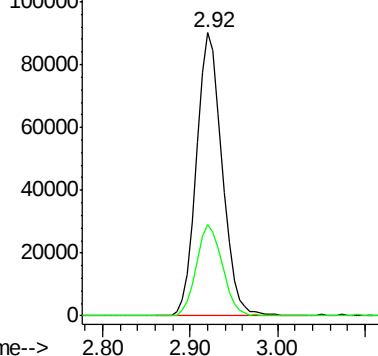
64 100

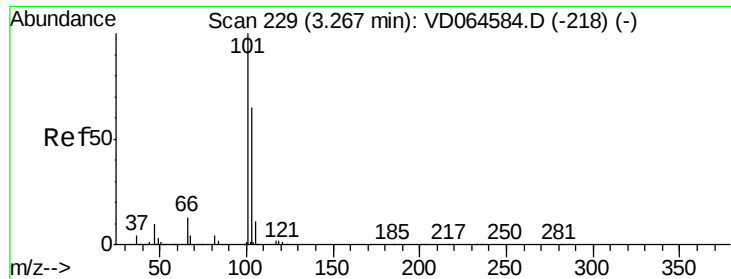
66 32.3 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

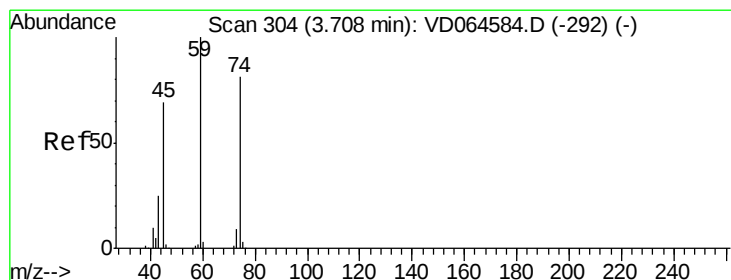
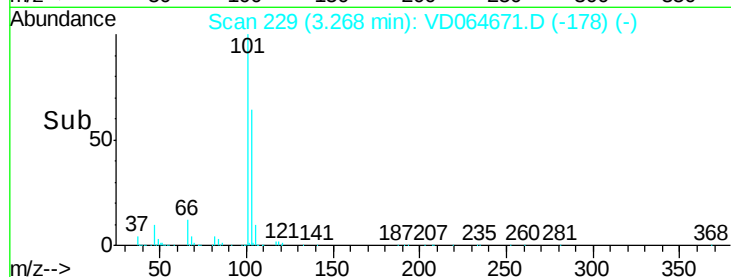
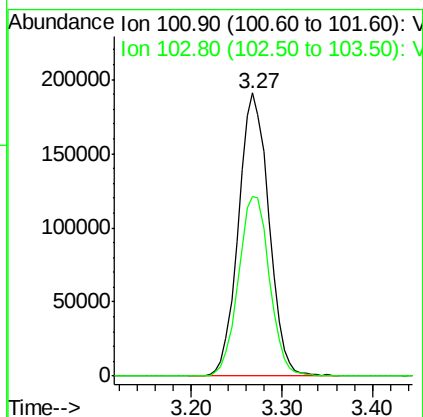
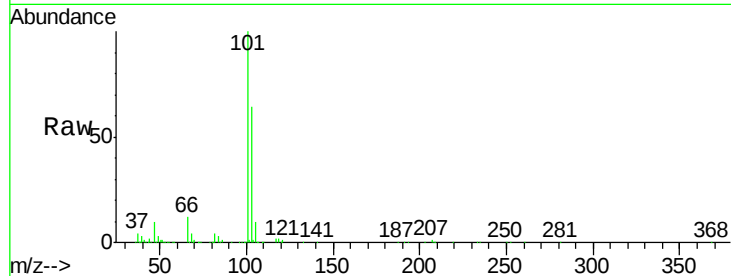
Trichlorofluoromethane
Concen: 45.209 ug/l
RT: 3.27 min Scan# 229
Delta R.T. 0.00 min
Lab File: VD064671.D
Acq: 30 Dec 2019 11:35

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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.6	52.2	78.4

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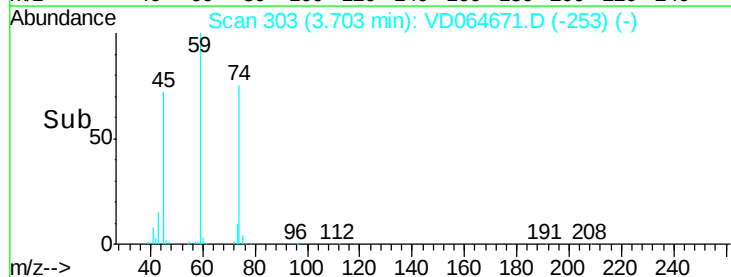
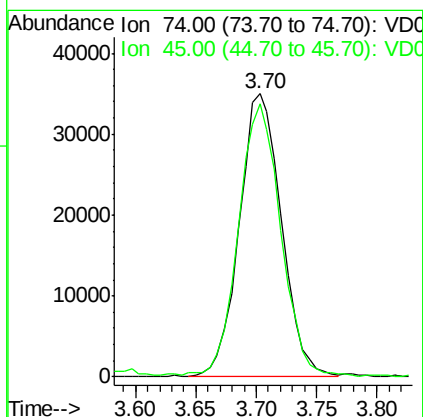
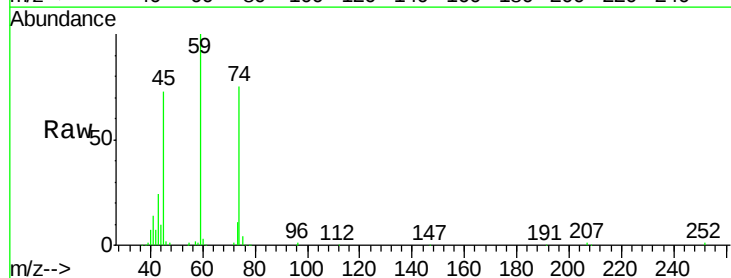
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#8

Diethyl Ether
Concen: 43.442 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD064671.D
Acq: 30 Dec 2019 11:35

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.5	47.5	142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.056 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064671.D

Acq: 30 Dec 2019 11:35

Instrument :

MSVOA_D

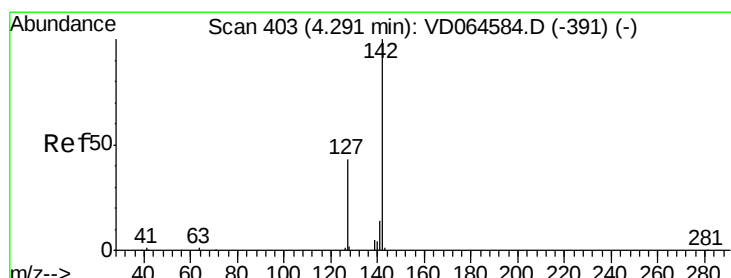
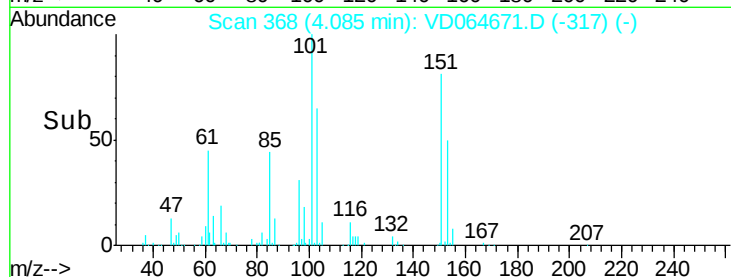
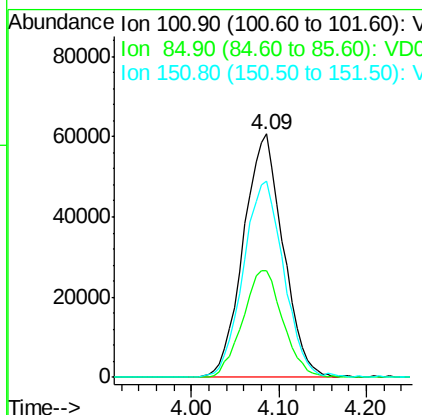
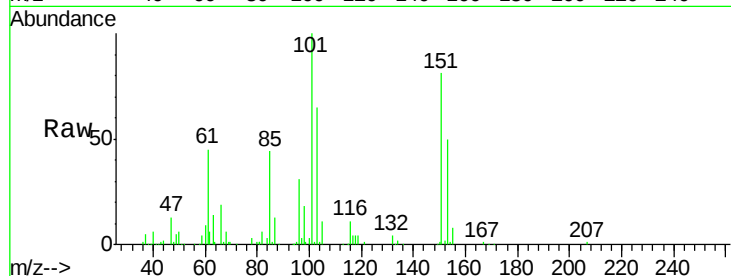
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	188055
Ion Ratio	Lower	Upper	
101	100		
85	44.2	35.2	52.8
151	82.0	66.2	99.4

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#10

Methyl Iodide

Concen: 48.909 ug/l

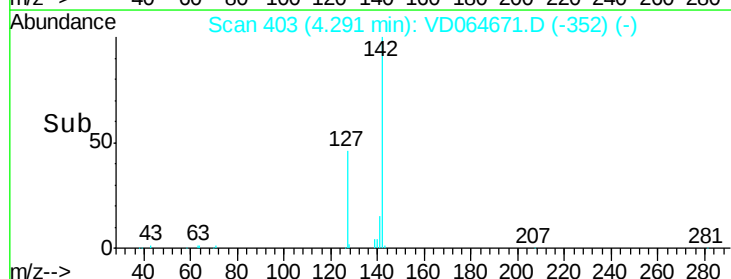
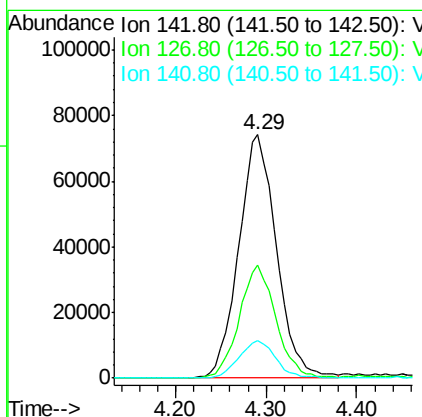
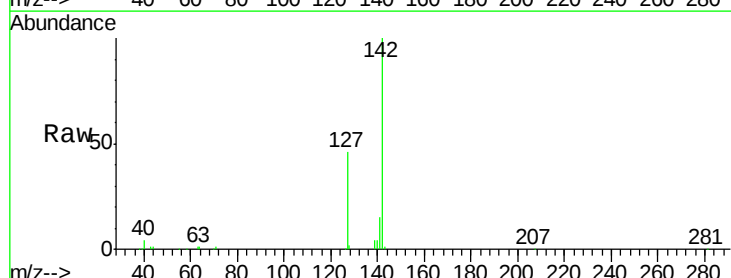
RT: 4.29 min Scan# 403

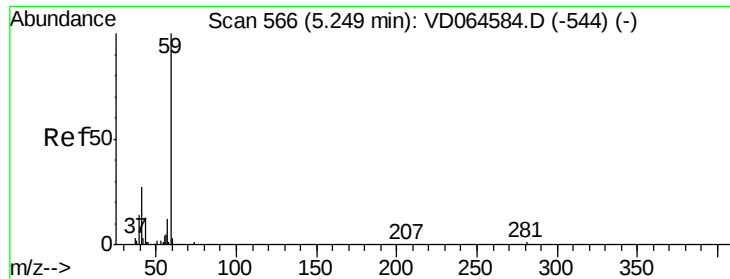
Delta R.T. 0.00 min

Lab File: VD064671.D

Acq: 30 Dec 2019 11:35

Tgt Ion:	142	Resp:	214514
Ion Ratio	Lower	Upper	
142	100		
127	44.9	36.2	54.4
141	15.1	11.8	17.8





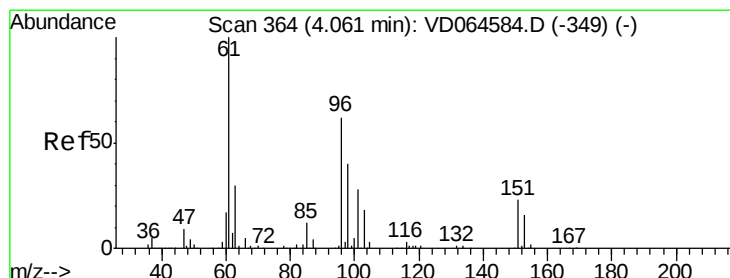
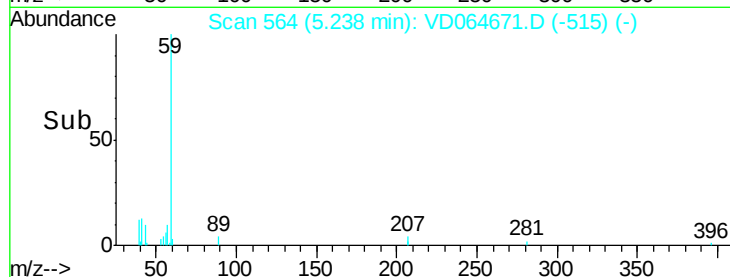
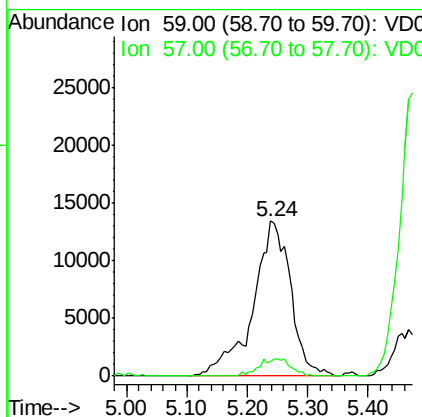
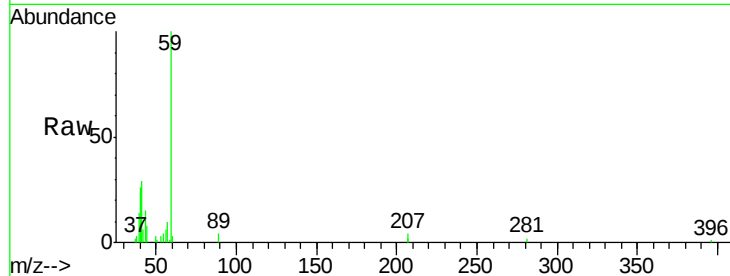
#11
Tert butyl alcohol
Concen: 260.840 ug/l
RT: 5.24 min Scan# 564
Delta R.T. -0.01 min
Lab File: VD064671.D
Acq: 30 Dec 2019 11:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	9.3	13.9#

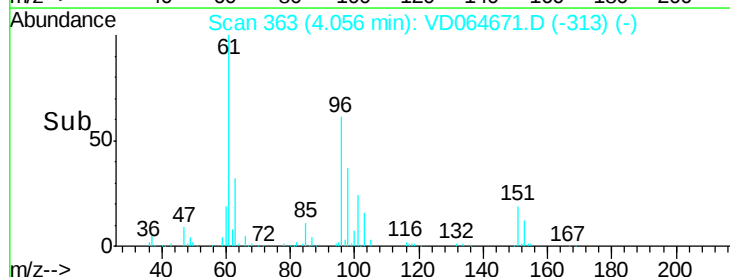
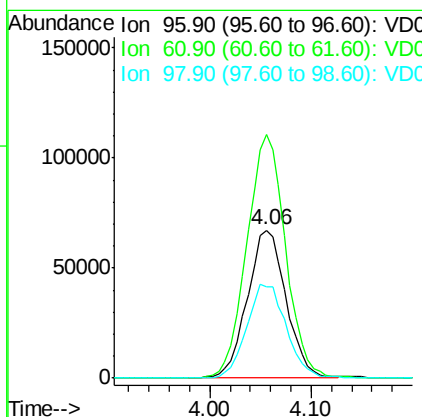
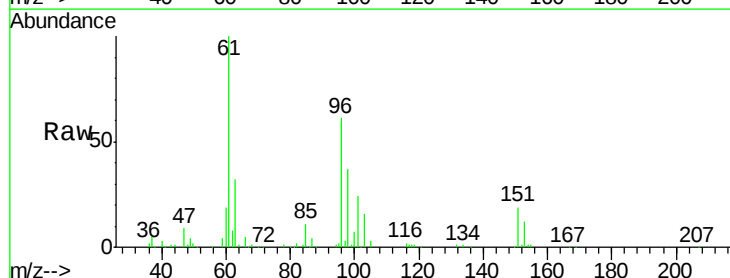
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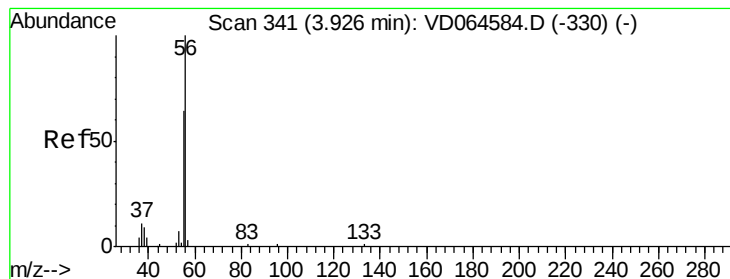
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#12
1,1-Dichloroethene
Concen: 46.109 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064671.D
Acq: 30 Dec 2019 11:35

Tgt Ion	Ratio	Lower	Upper
96	100		
61	164.4	129.4	194.0
98	61.6	51.4	77.0





#13

Acrolein

Concen: 245.468 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064671.D

Acq: 30 Dec 2019 11:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 76388

Ion Ratio Lower Upper

56 100

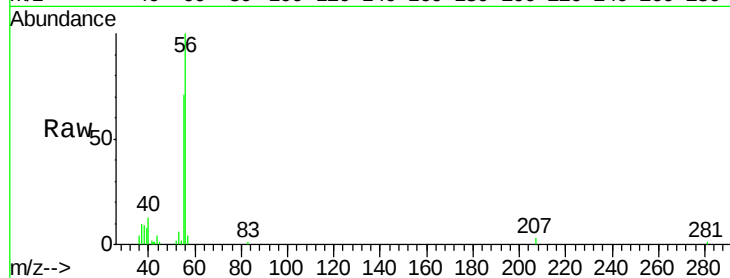
55 70.3 56.7 85.1

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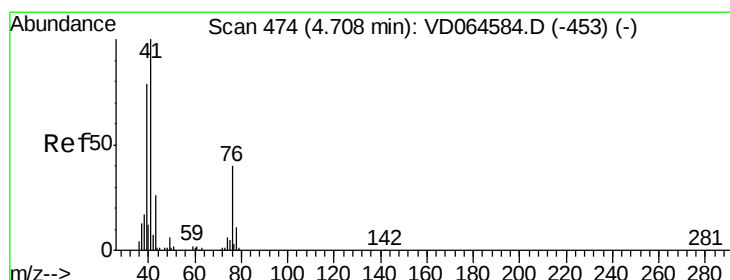
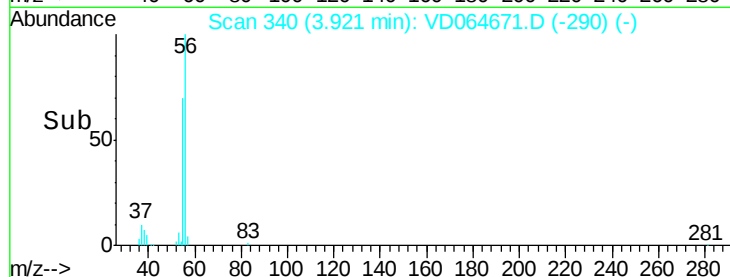
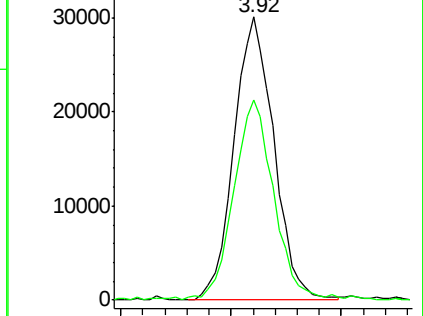
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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 47.979 ug/l

RT: 4.70 min Scan# 473

Delta R.T. -0.01 min

Lab File: VD064671.D

Acq: 30 Dec 2019 11:35

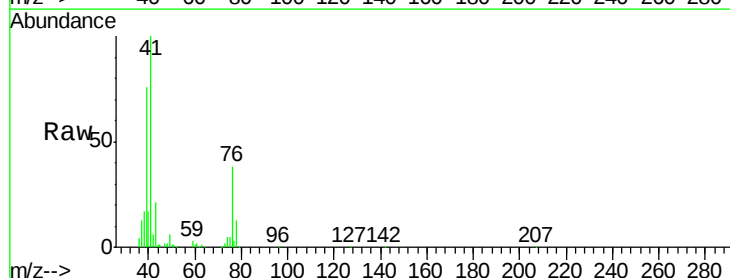
Tgt Ion: 41 Resp: 290798

Ion Ratio Lower Upper

41 100

39 78.2 62.3 93.5

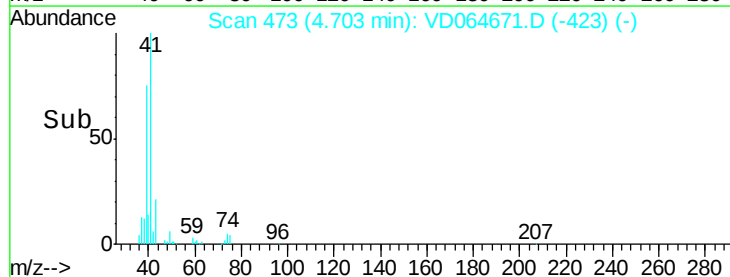
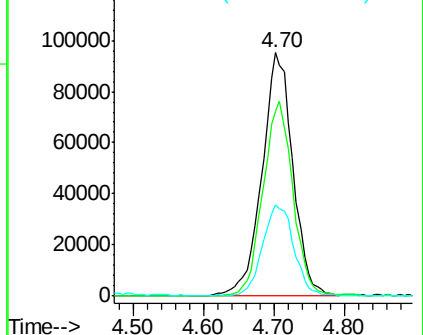
76 38.3 29.7 44.5

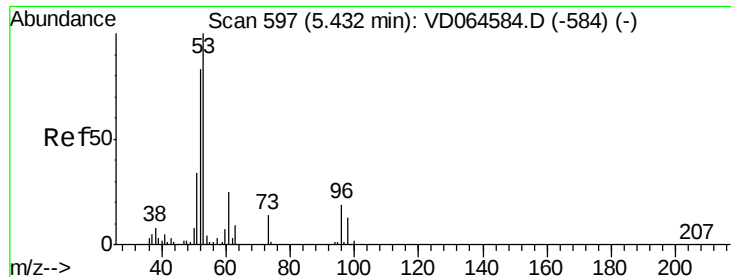


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 227.045 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064671.D

Acq: 30 Dec 2019 11:35

Instrument :

MSVOA_D

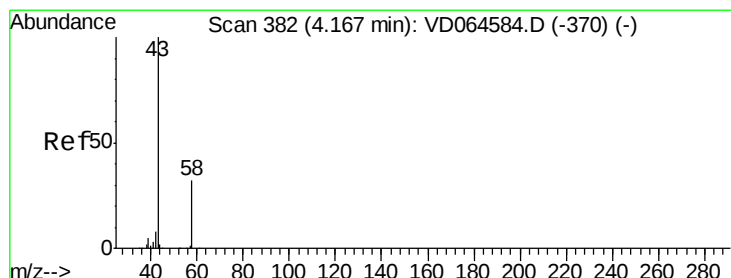
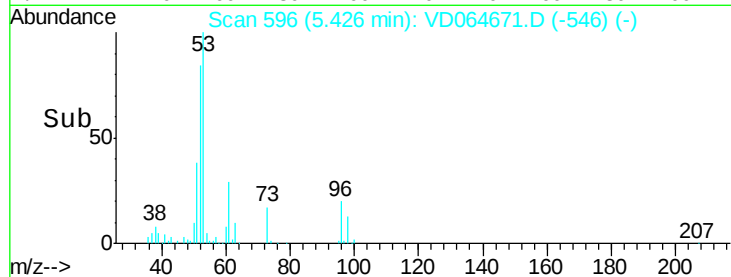
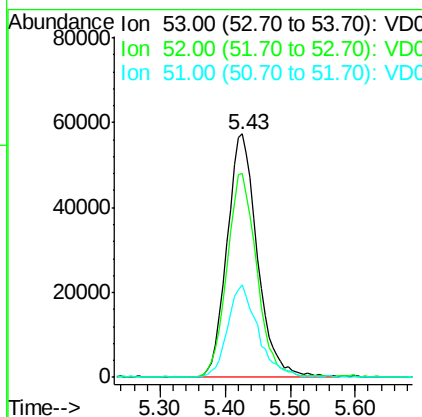
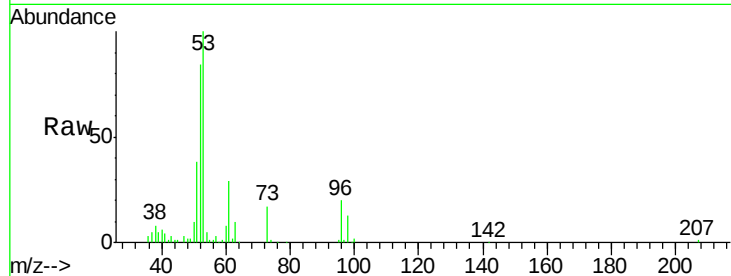
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	185157
Ion Ratio		Lower	Upper
53	100		
52	82.5	66.2	99.2
51	38.2	30.1	45.1

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#16

Acetone

Concen: 294.794 ug/l

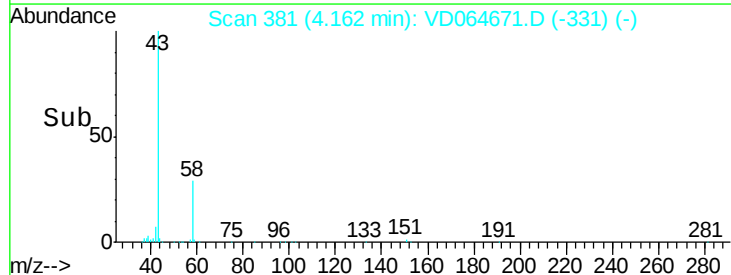
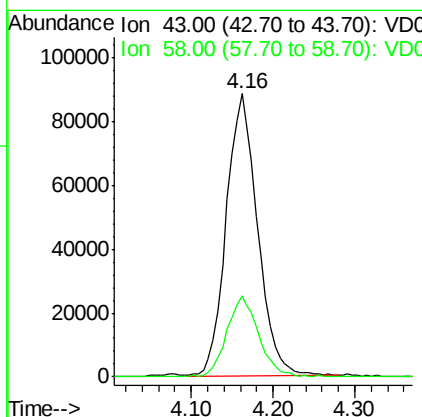
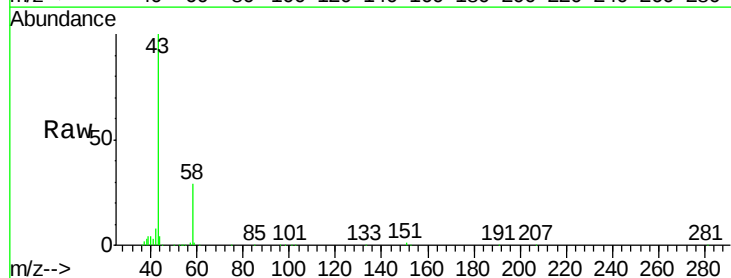
RT: 4.16 min Scan# 381

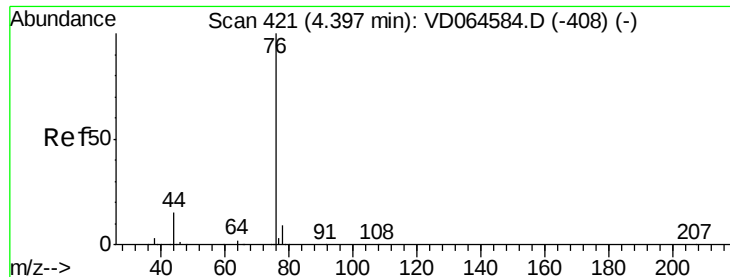
Delta R.T. -0.01 min

Lab File: VD064671.D

Acq: 30 Dec 2019 11:35

Tgt Ion:	43	Resp:	237119
Ion Ratio		Lower	Upper
43	100		
58	28.9	25.8	38.6





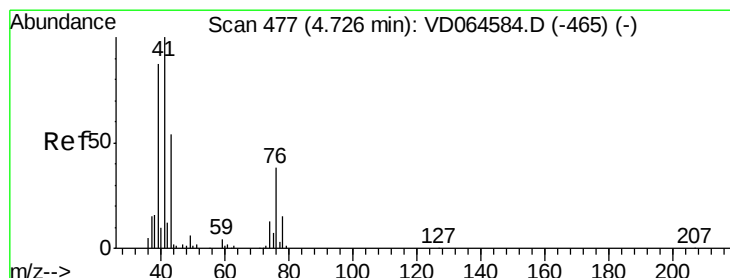
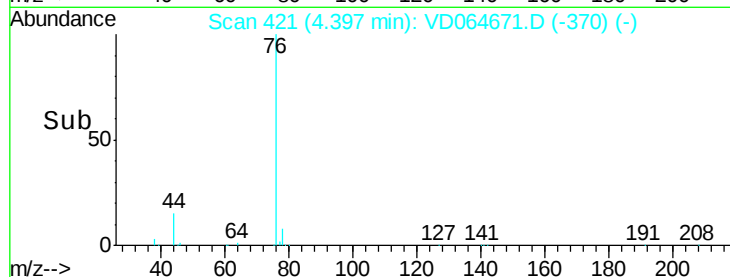
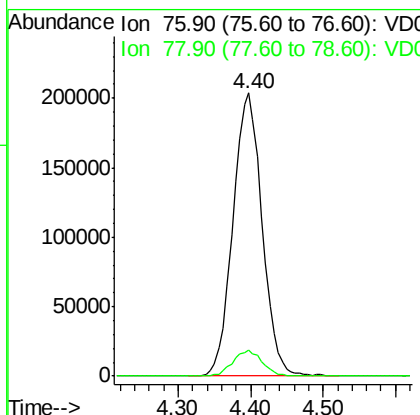
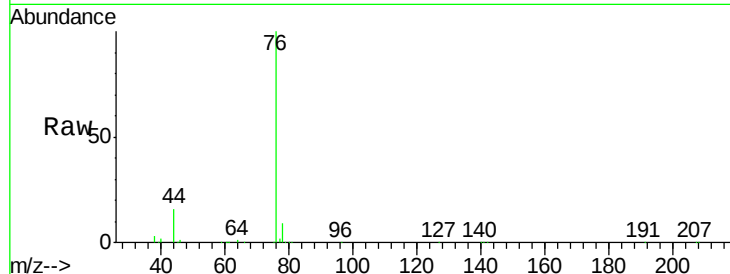
#17
Carbon Disulfide
Concen: 45.278 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.00 min
Lab File: VD064671.D
Acq: 30 Dec 2019 11:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
76	100	569129		
78	9.1		7.3	10.9

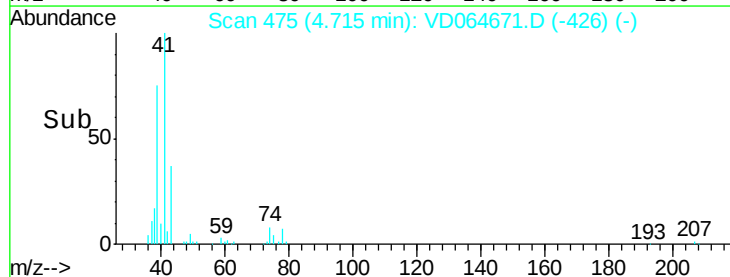
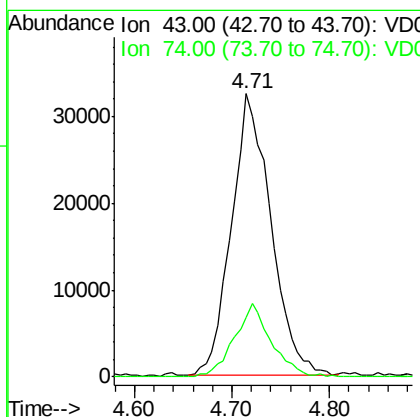
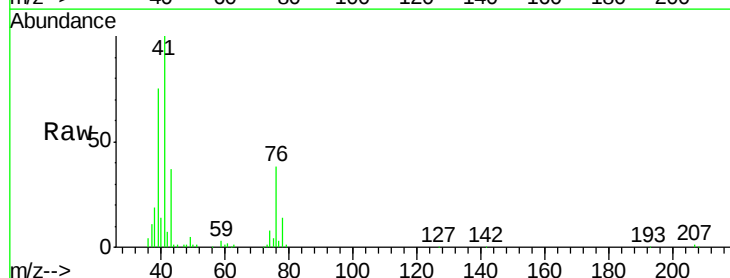
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#18
Methyl Acetate
Concen: 41.639 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.01 min
Lab File: VD064671.D
Acq: 30 Dec 2019 11:35

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	91336		
74	24.4		19.2	28.8





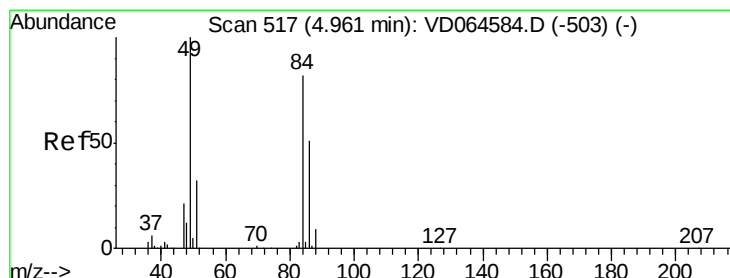
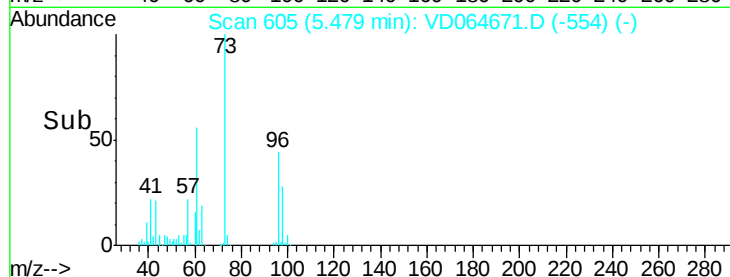
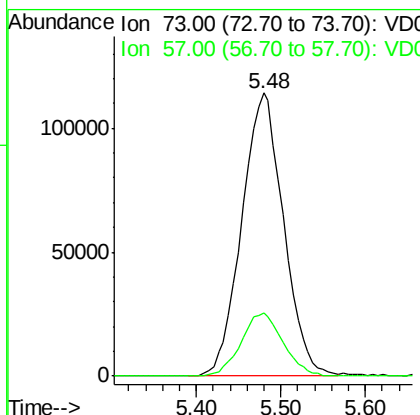
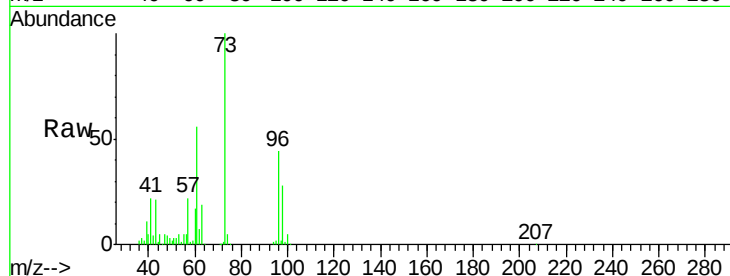
#19
Methvl tert-butvl Ether
Concen: 45.452 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.00 min
Lab File: VD064671.D
Acq: 30 Dec 2019 11:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 392452
Ion Ratio Lower Upper
73 100
57 22.3 18.6 27.8

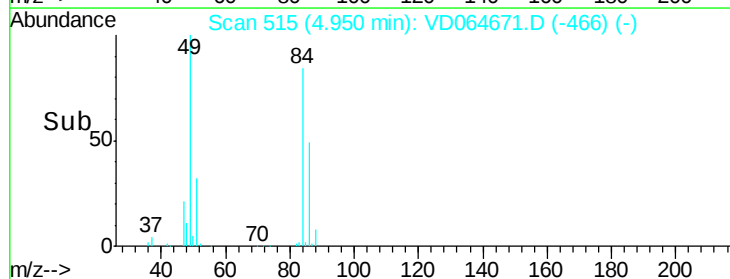
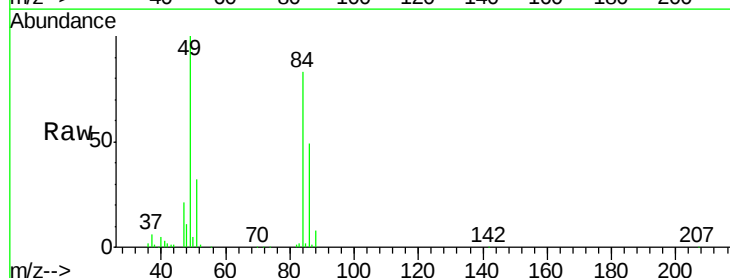
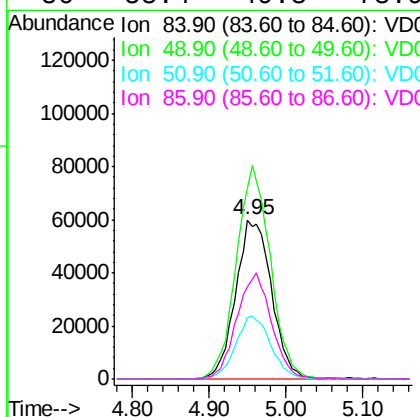
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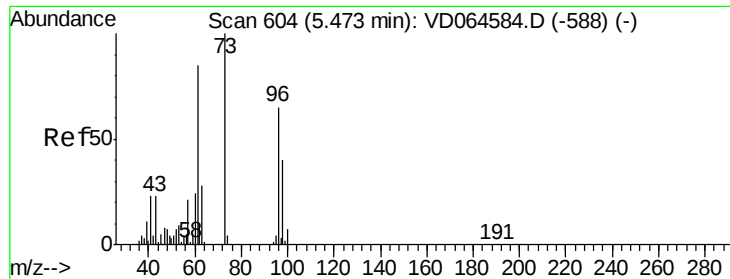
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#20
Methylene Chloride
Concen: 48.860 ug/l
RT: 4.95 min Scan# 515
Delta R.T. -0.01 min
Lab File: VD064671.D
Acq: 30 Dec 2019 11:35

Tgt Ion: 84 Resp: 195139
Ion Ratio Lower Upper
84 100
49 120.0 97.2 145.8
51 38.5 31.4 47.0
86 58.4 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 46.959 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD064671.D

Acq: 30 Dec 2019 11:35

Instrument :

MSVOA_D

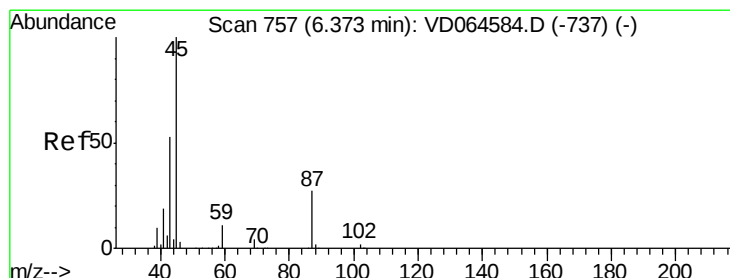
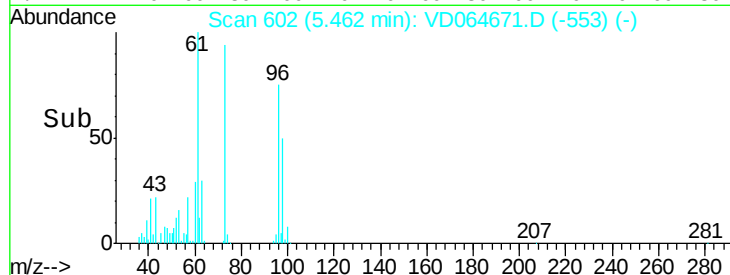
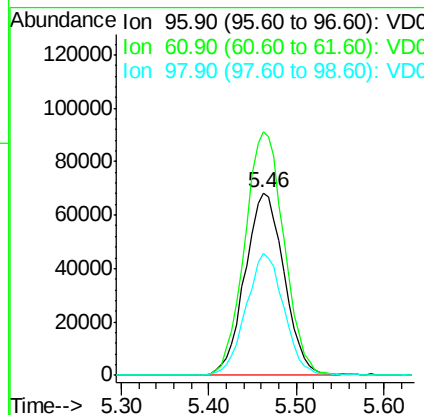
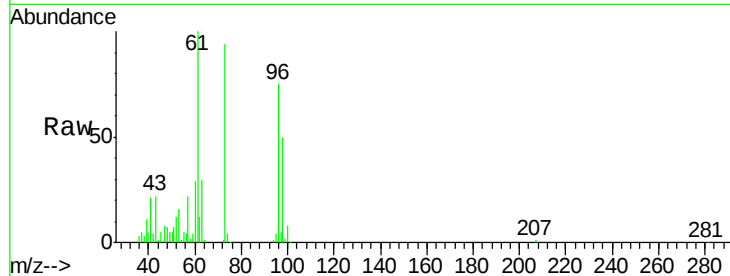
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	207894
Ion	Ratio	Lower	Upper
96	100		
61	133.4	104.7	157.1
98	66.5	49.4	74.2

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#22

Diisopropyl ether

Concen: 46.698 ug/l

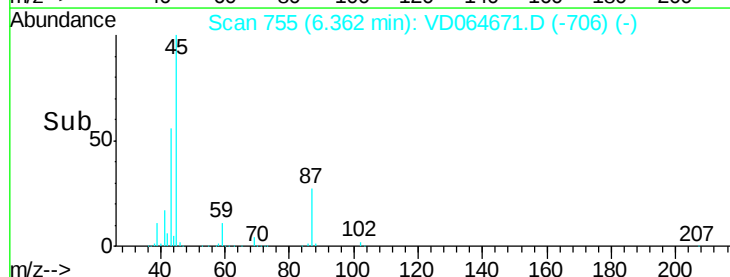
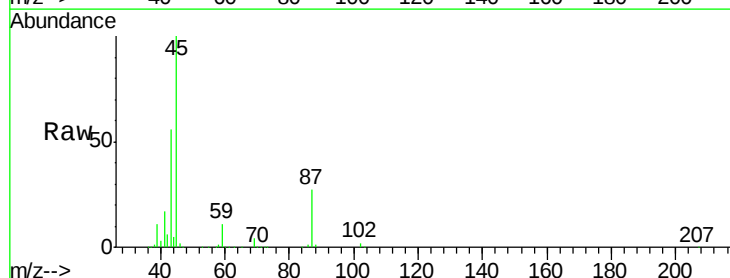
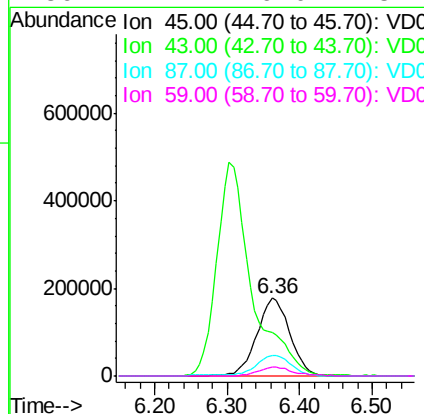
RT: 6.36 min Scan# 755

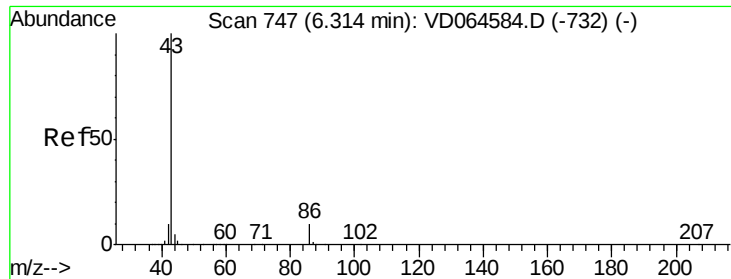
Delta R.T. -0.01 min

Lab File: VD064671.D

Acq: 30 Dec 2019 11:35

Tgt Ion:	45	Resp:	564533
Ion	Ratio	Lower	Upper
45	100		
43	54.7	43.2	64.8
87	26.8	21.9	32.9
59	11.2	9.0	13.4





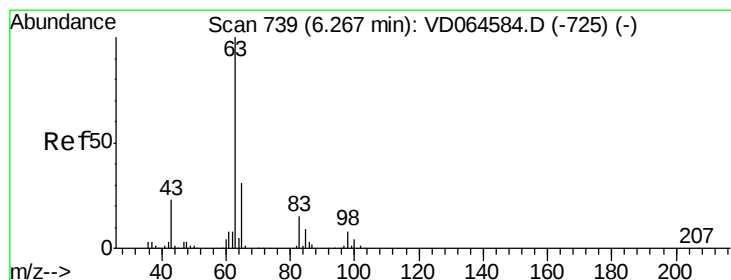
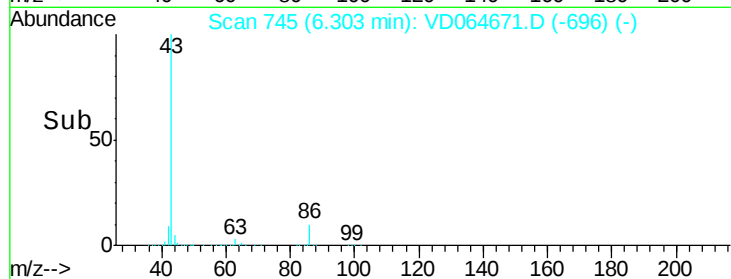
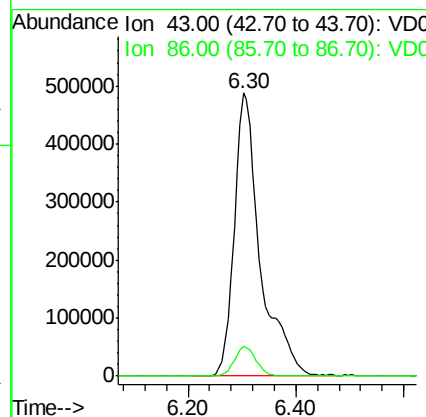
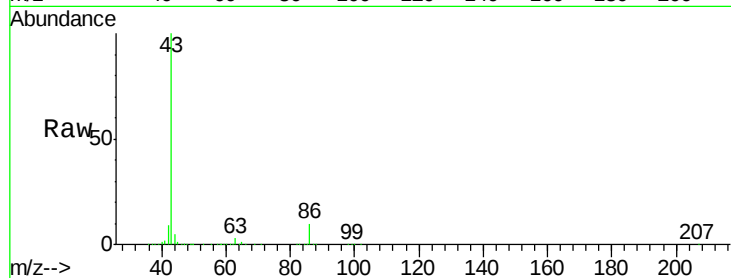
#23
 Vinyl Acetate
 Concen: 239.345 ug/l
 RT: 6.30 min Scan# 745
 Delta R.T. -0.01 min
 Lab File: VD064671.D
 Acq: 30 Dec 2019 11:35

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050

Tot Ion: 43 Resp: 1641335
 Ion Ratio Lower Upper
 43 100
 86 10.4 8.3 12.5

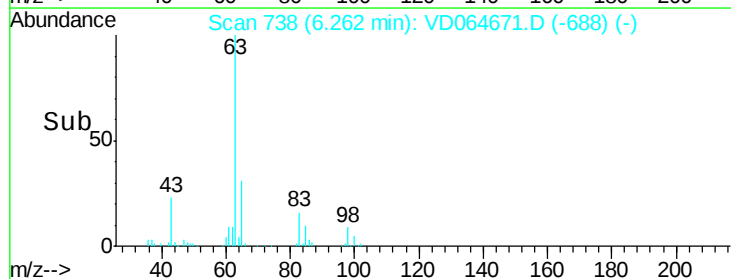
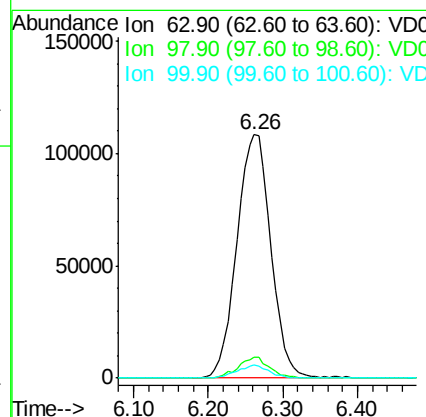
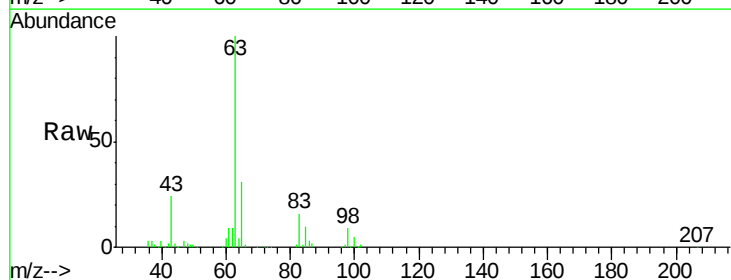
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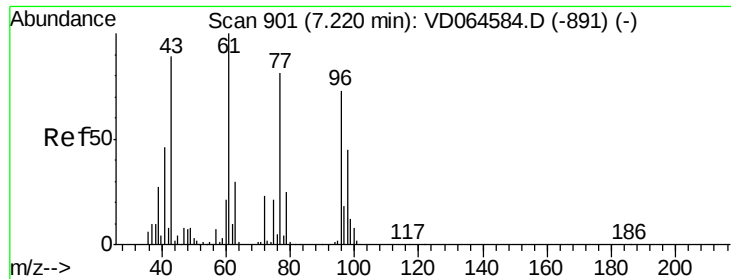
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#24
 1,1-Dichloroethane
 Concen: 47.299 ug/l
 RT: 6.26 min Scan# 738
 Delta R.T. -0.01 min
 Lab File: VD064671.D
 Acq: 30 Dec 2019 11:35

Tgt Ion: 63 Resp: 343267
 Ion Ratio Lower Upper
 63 100
 98 8.7 4.1 12.3
 100 5.2 2.2 6.6





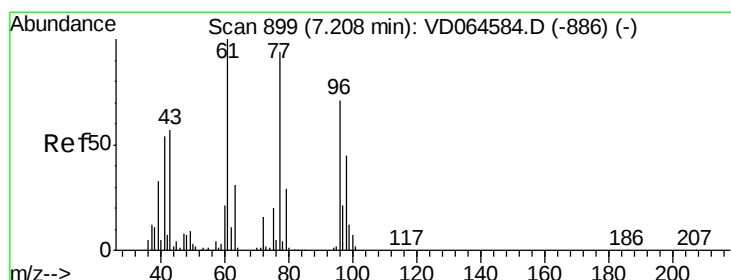
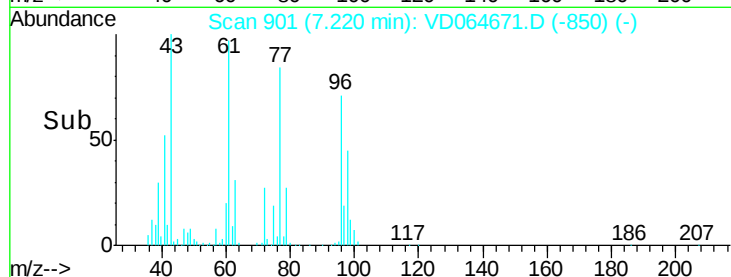
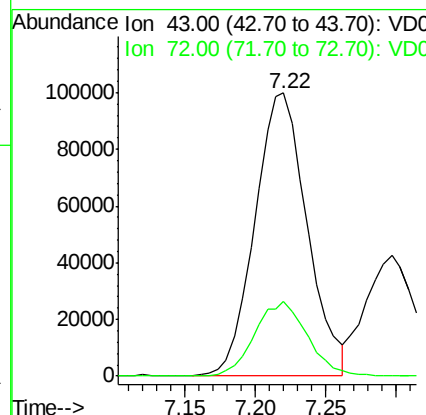
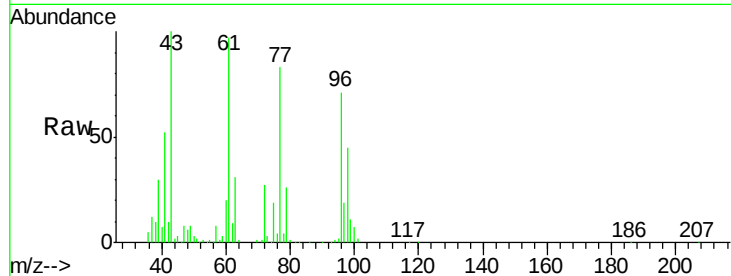
#25
2-Butanone
Concen: 240.810 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.00 min
Lab File: VD064671.D
Acq: 30 Dec 2019 11:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 257902
Ion Ratio Lower Upper
43 100
72 26.6 20.7 31.1

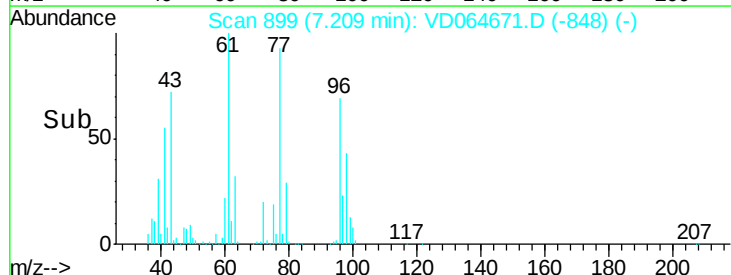
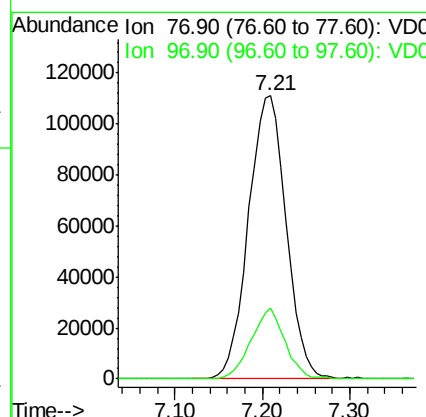
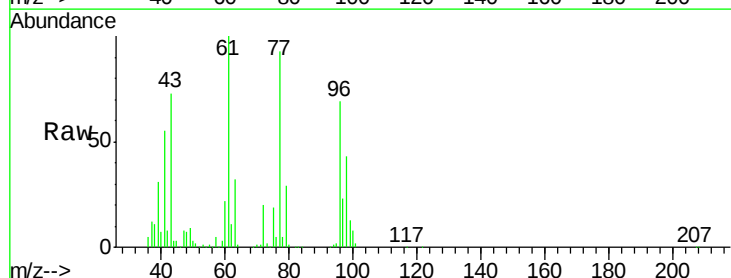
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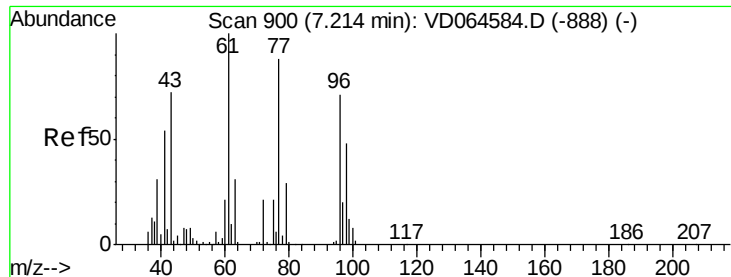
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#26
2,2-Dichloropropane
Concen: 48.295 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD064671.D
Acq: 30 Dec 2019 11:35

Tgt Ion: 77 Resp: 325875
Ion Ratio Lower Upper
77 100
97 22.4 11.2 33.6





#27

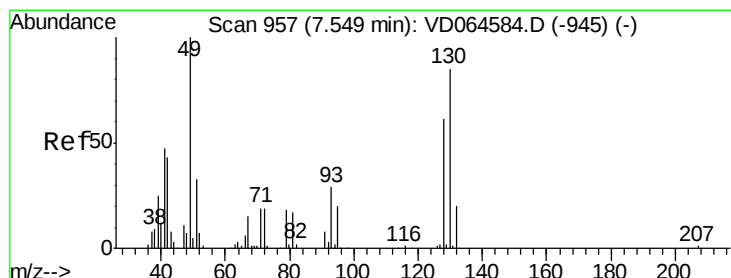
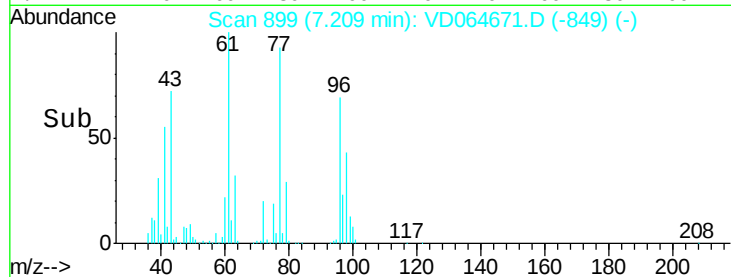
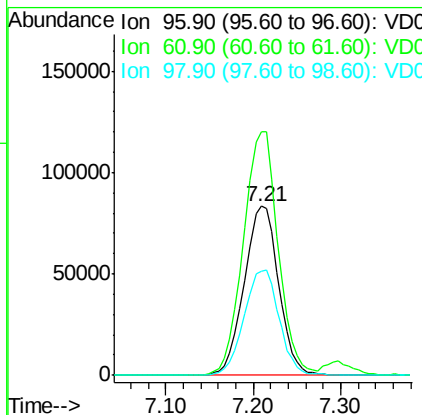
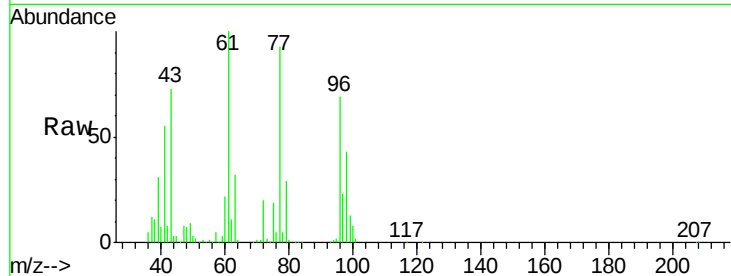
cis-1,2-Dichloroethene
Concen: 46.624 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD064671.D
Acq: 30 Dec 2019 11:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	222765		
61	145.6	0.0	282.6	
98	63.4	0.0	130.8	

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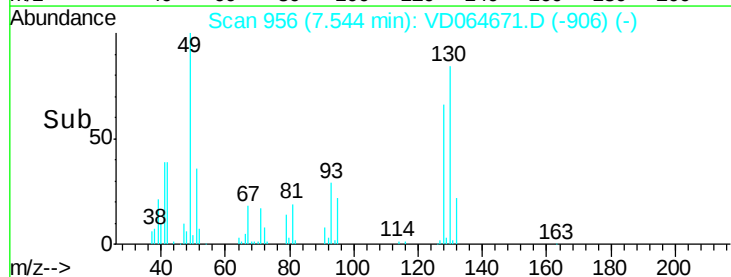
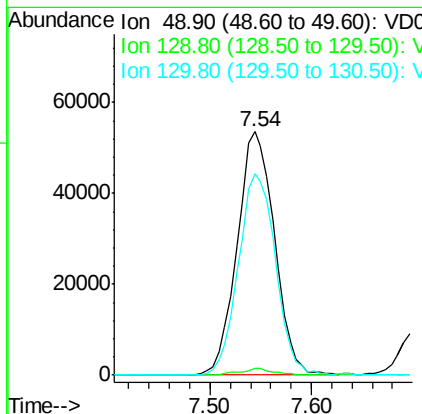
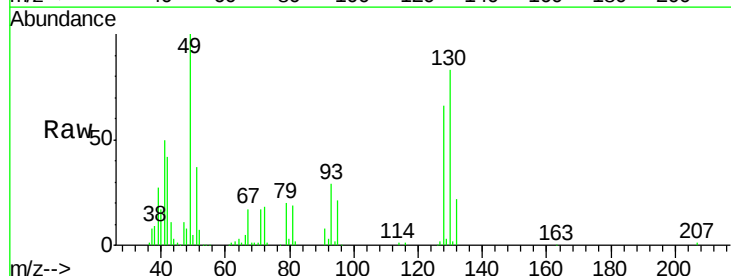
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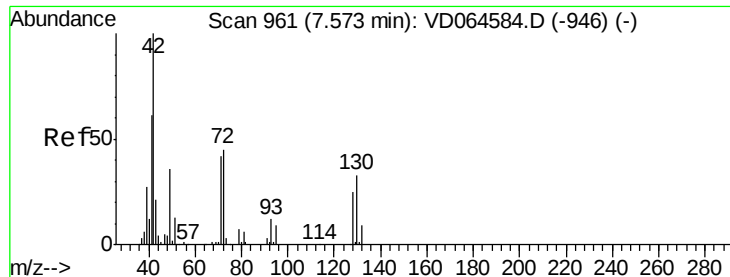


#28

Bromochloromethane
Concen: 48.487 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.01 min
Lab File: VD064671.D
Acq: 30 Dec 2019 11:35

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	136789		
129	2.4	0.0	4.8	
130	82.5	65.0	97.6	





#29

Tetrahydrofuran

Concen: 223.160 ug/l

RT: 7.57 min Scan# 960

Delta R.T. -0.01 min

Lab File: VD064671.D

Acq: 30 Dec 2019 11:35

Instrument :

MSVOA_D

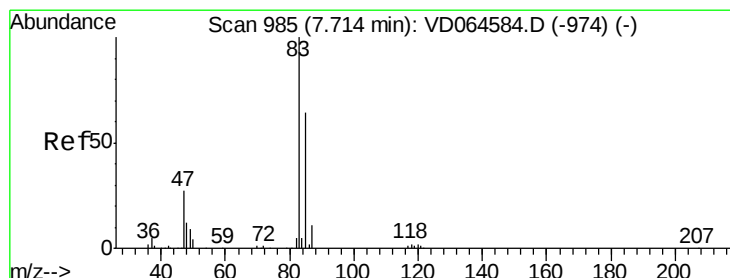
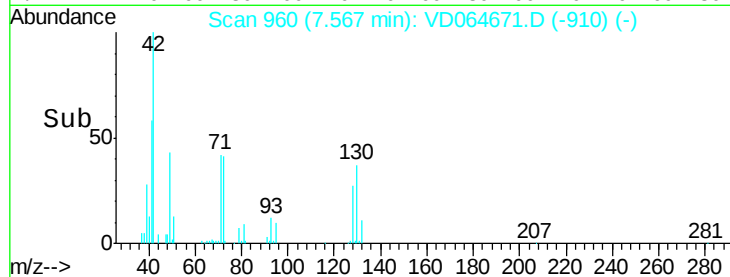
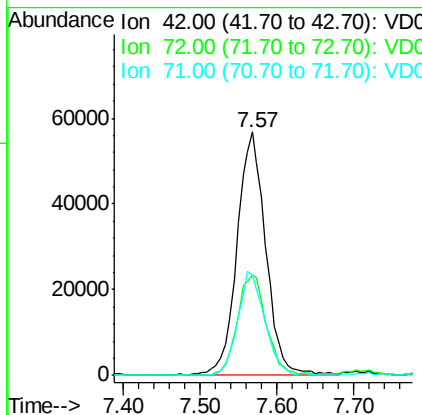
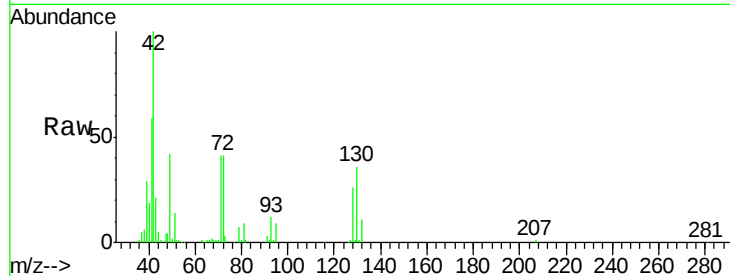
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	148628
Ion	Ratio	Lower	Upper
42	100		
72	41.5	35.0	52.4
71	39.9	32.9	49.3

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#30

Chloroform

Concen: 47.323 ug/l

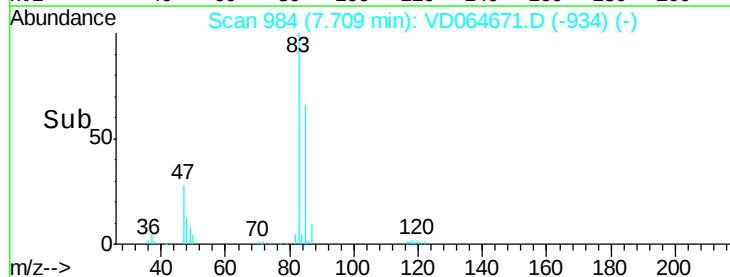
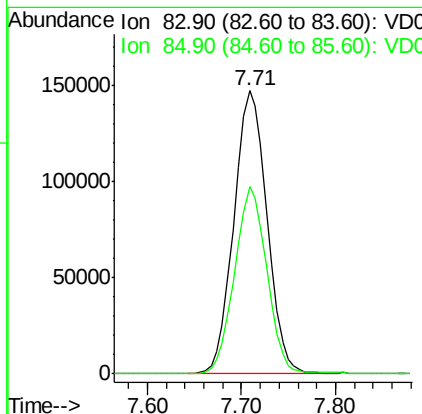
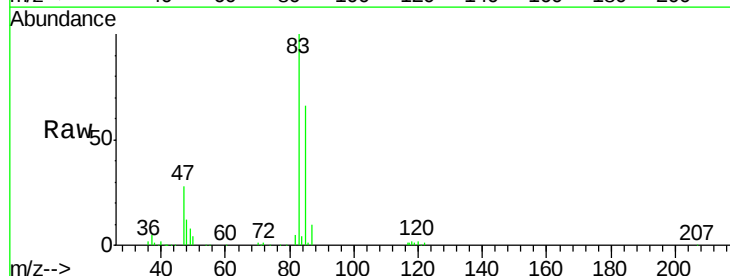
RT: 7.71 min Scan# 984

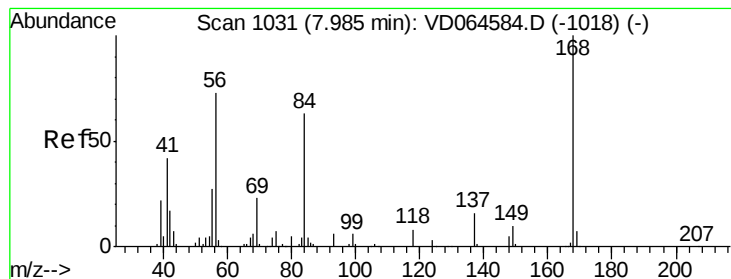
Delta R.T. -0.01 min

Lab File: VD064671.D

Acq: 30 Dec 2019 11:35

Tgt Ion:	83	Resp:	360327
Ion	Ratio	Lower	Upper
83	100		
85	66.0	51.1	76.7





#31

Cyclohexane

Concen: 44.508 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064671.D

Acq: 30 Dec 2019 11:35

Instrument :

MSVOA_D

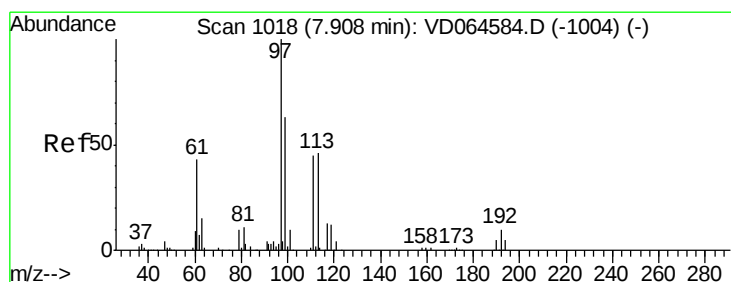
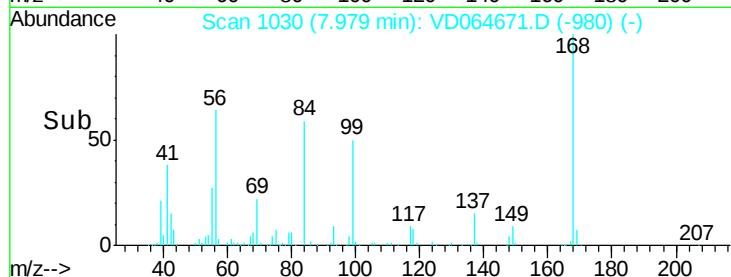
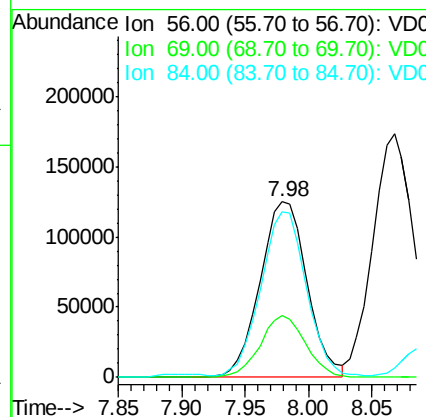
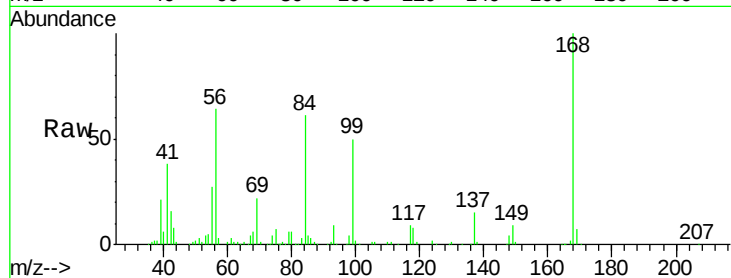
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	323339
Ion Ratio	Lower	Upper	
56	100		
69	35.0	24.7	37.1
84	93.1	69.4	104.2

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#32

1,1,1-Trichloroethane

Concen: 47.311 ug/l

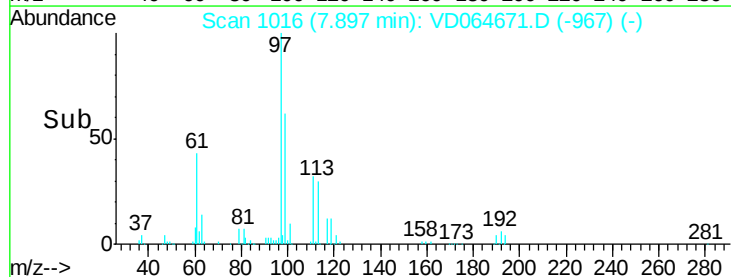
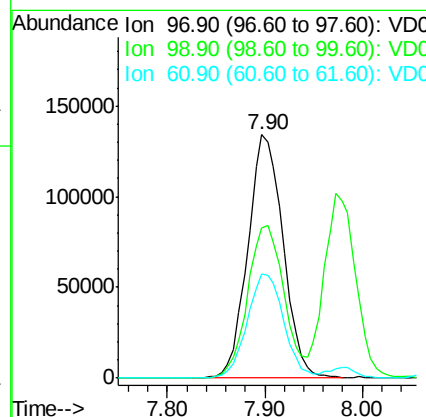
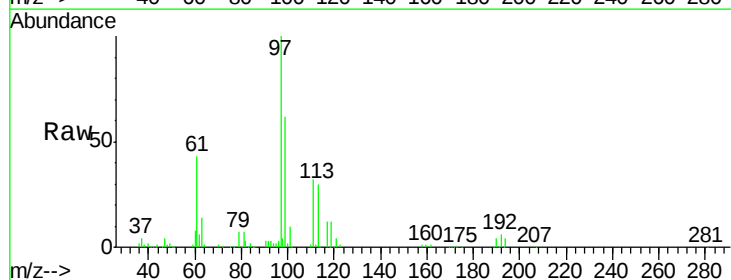
RT: 7.90 min Scan# 1016

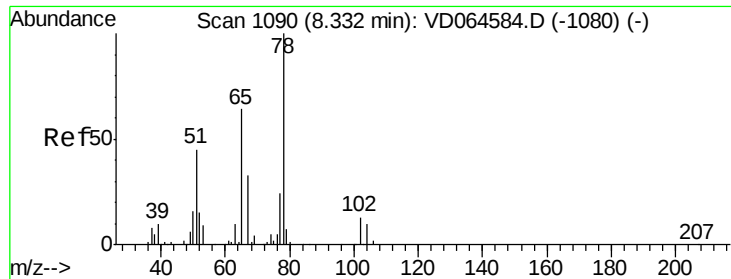
Delta R.T. -0.01 min

Lab File: VD064671.D

Acq: 30 Dec 2019 11:35

Tgt Ion:	97	Resp:	338355
Ion Ratio	Lower	Upper	
97	100		
99	65.2	51.0	76.6
61	44.2	35.4	53.0





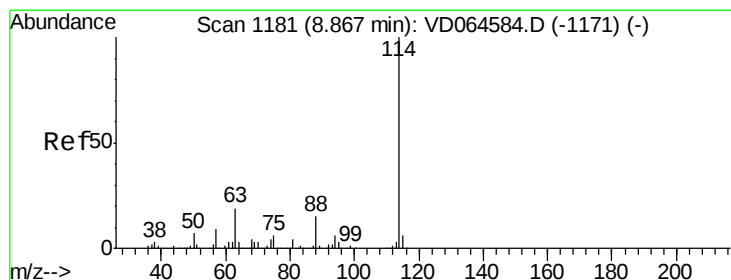
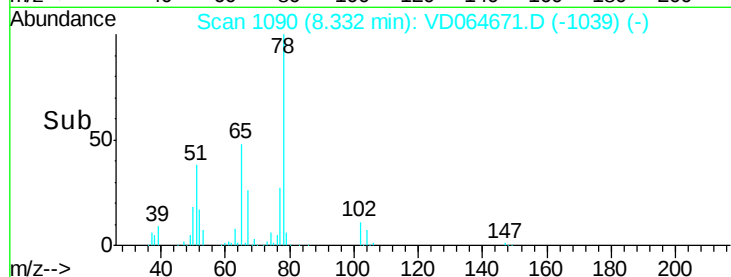
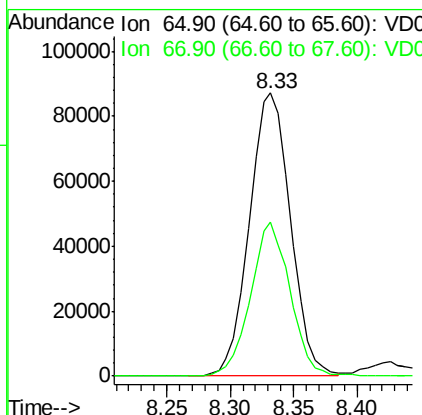
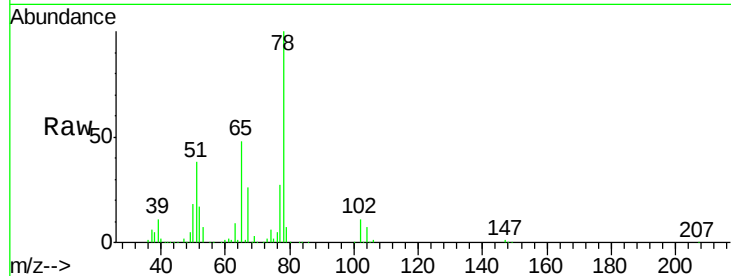
#33
 1,2-Dichloroethane-d4
 Concen: 50.485 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD064671.D
 Acq: 30 Dec 2019 11:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	196699		
67	52.5	0.0	106.2	

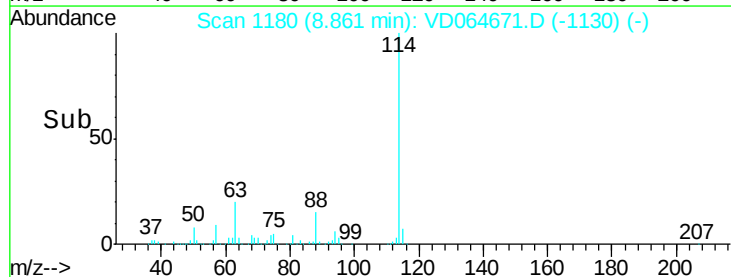
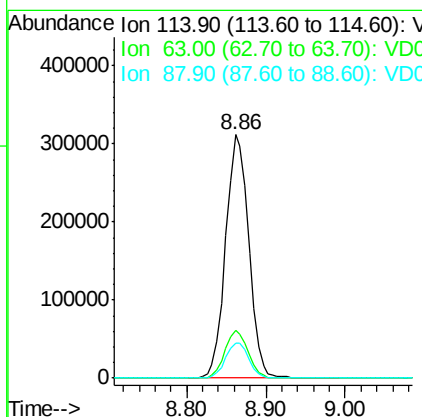
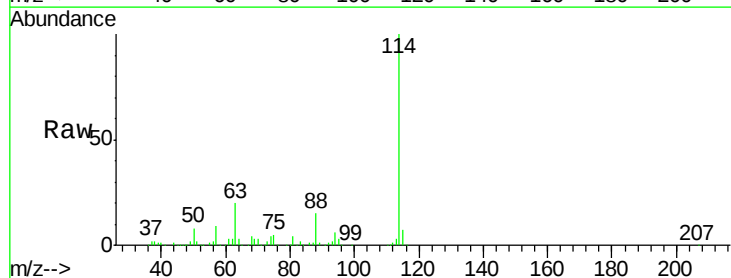
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.01 min
 Lab File: VD064671.D
 Acq: 30 Dec 2019 11:35

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	628946		
63	19.6	0.0	38.0	
88	14.6	0.0	29.2	





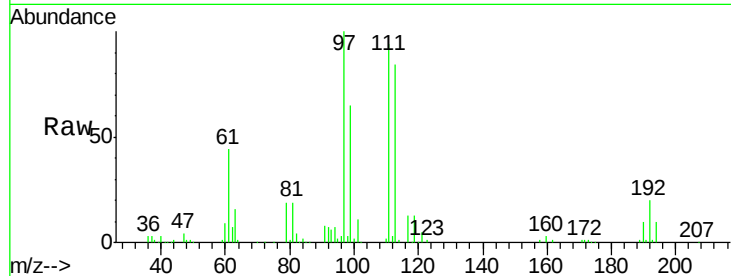
#35
 Dibromofluoromethane
 Concen: 51.162 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD064671.D
 Acq: 30 Dec 2019 11:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	197419		
111	104.1	80.6	121.0	
192	22.4	17.9	26.9	

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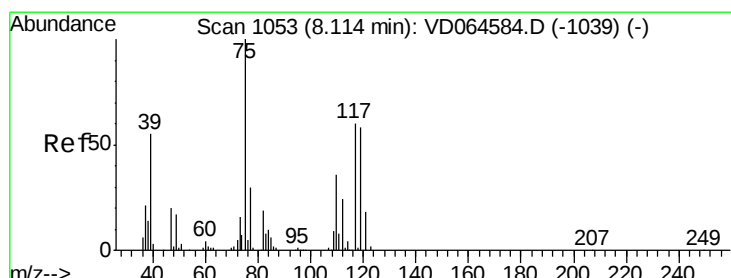
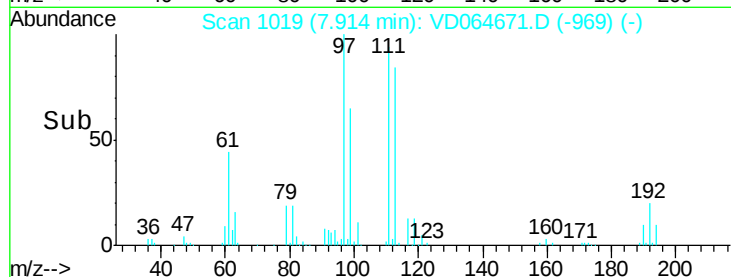
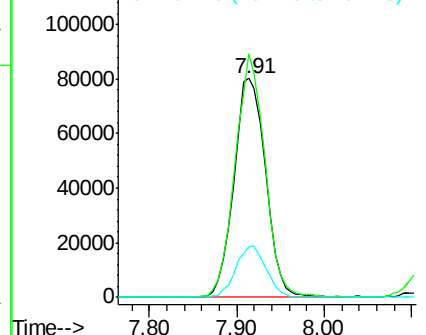


Abundance

Ion 112.80 (112.50 to 113.50): V

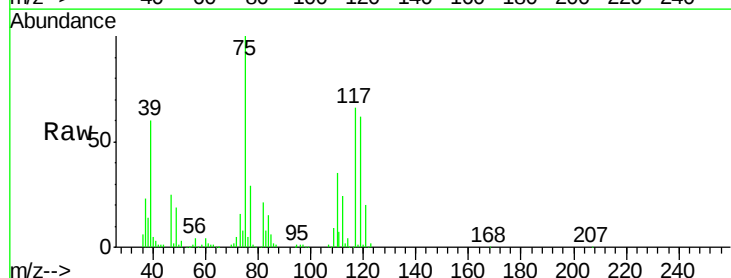
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 48.182 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD064671.D
 Acq: 30 Dec 2019 11:35

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	291677		
110	35.5	18.1	54.1	
77	31.2	24.2	36.4	

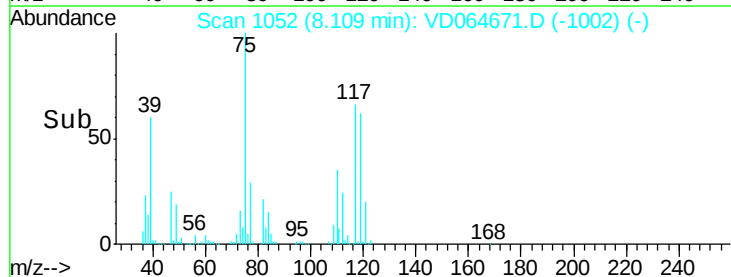
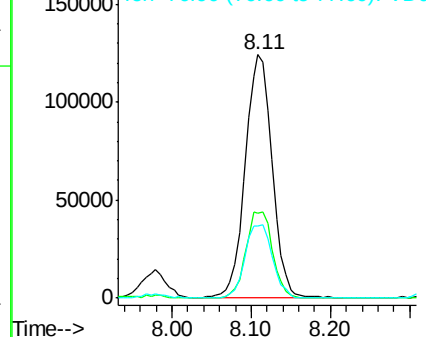


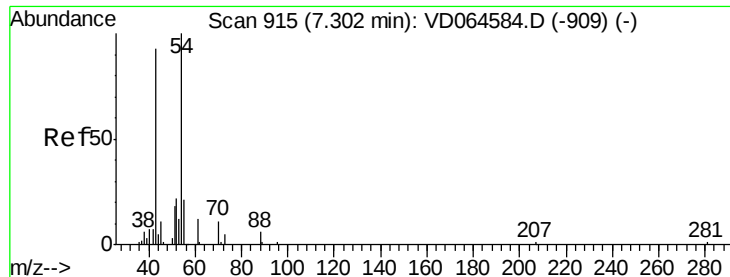
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





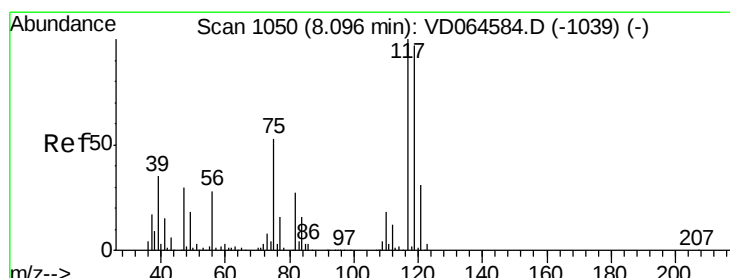
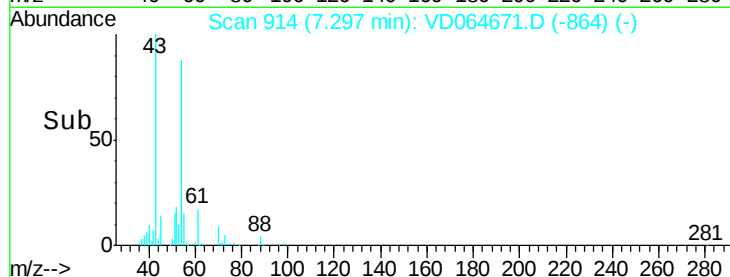
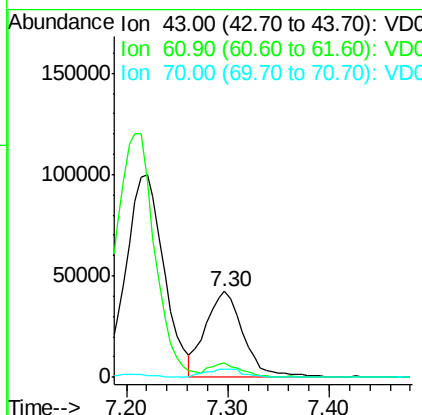
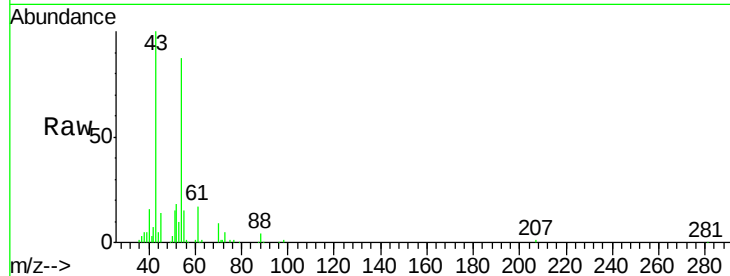
#37
Ethyl Acetate
Concen: 45.725 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD064671.D
Acq: 30 Dec 2019 11:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.8	10.3	15.5
70	10.0	7.6	11.4

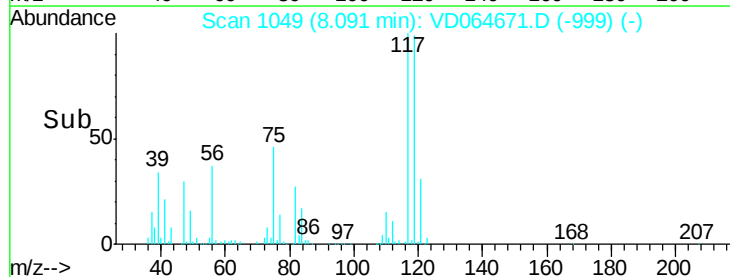
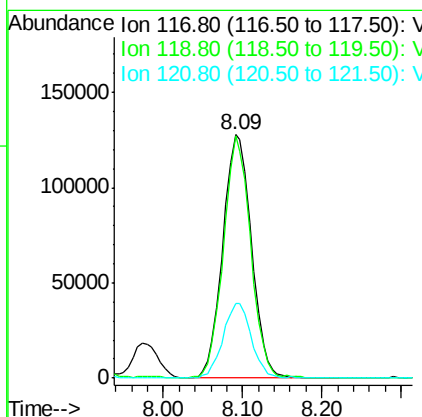
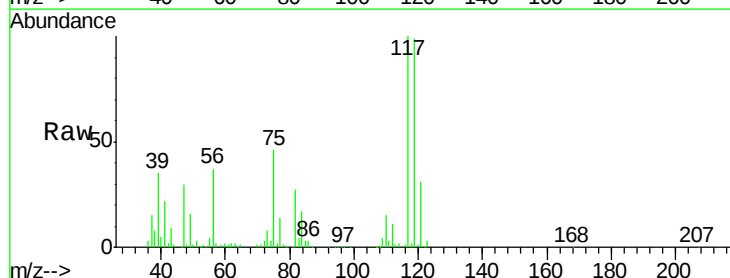
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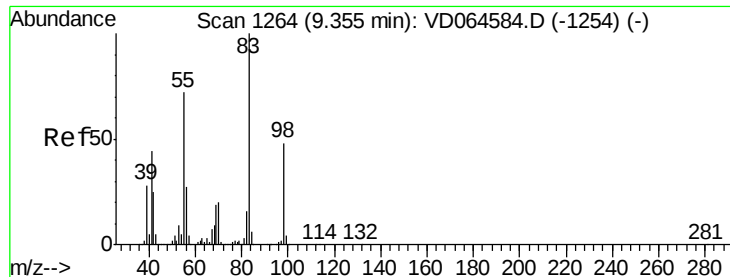
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#38
Carbon Tetrachloride
Concen: 49.566 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD064671.D
Acq: 30 Dec 2019 11:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.3	77.3	115.9
121	30.9	25.0	37.6





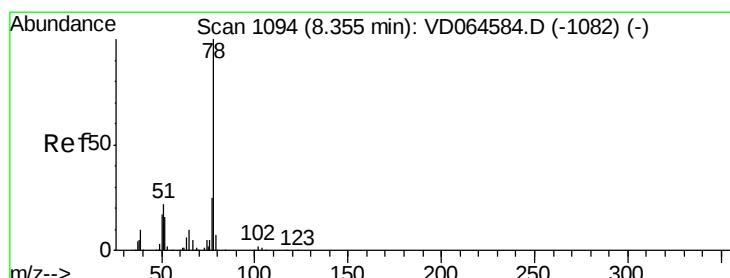
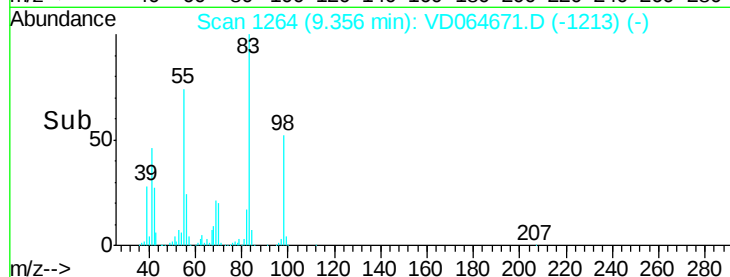
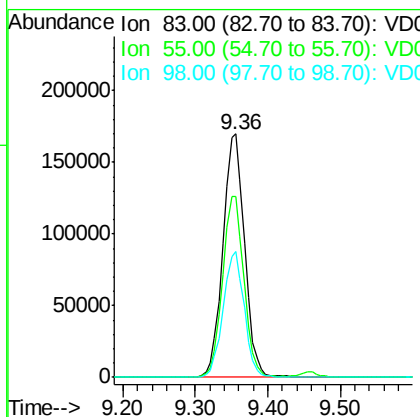
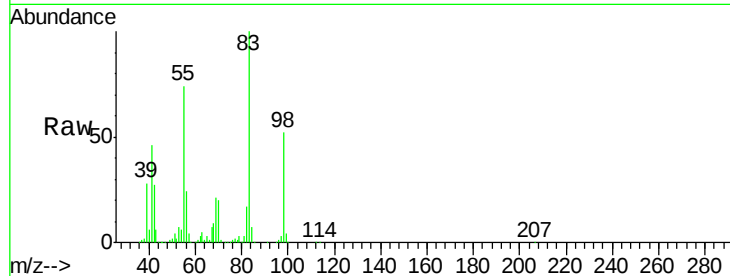
#39
Methvlcvclohexane
Concen: 48.254 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064671.D
Acq: 30 Dec 2019 11:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.3	57.8	86.6
98	51.7	38.7	58.1

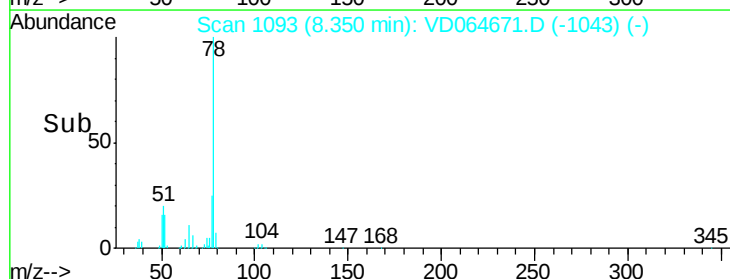
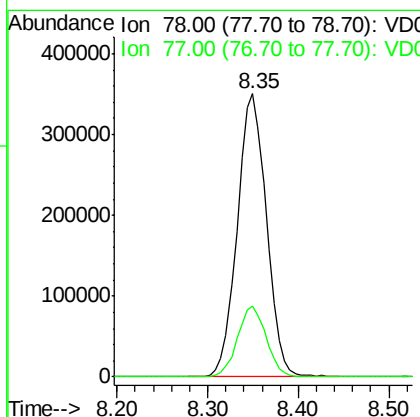
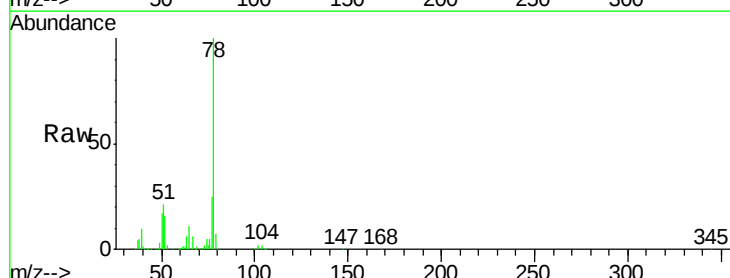
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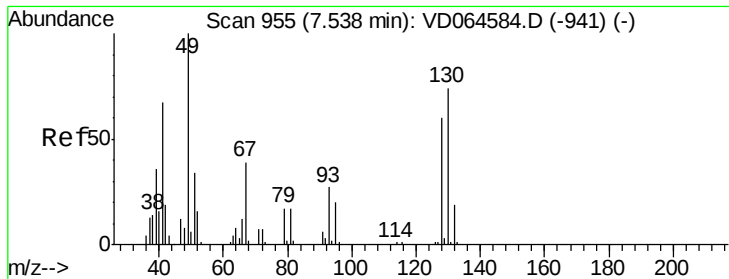
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#40
Benzene
Concen: 47.457 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD064671.D
Acq: 30 Dec 2019 11:35

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.0	19.9	29.9





#41

Methacrylonitrile

Concen: 43.924 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD064671.D

Acq: 30 Dec 2019 11:35

Instrument :

MSVOA_D

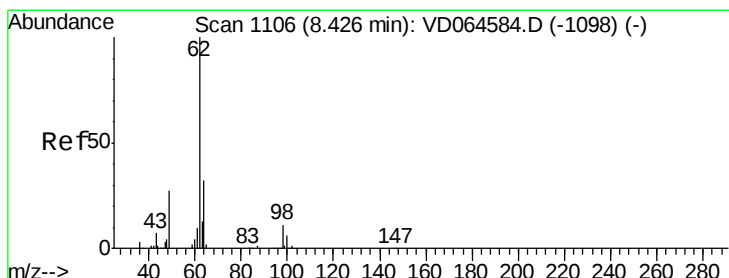
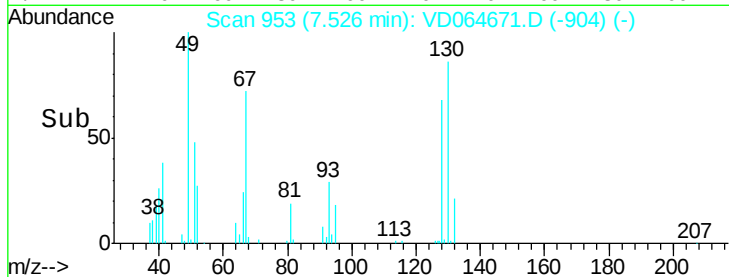
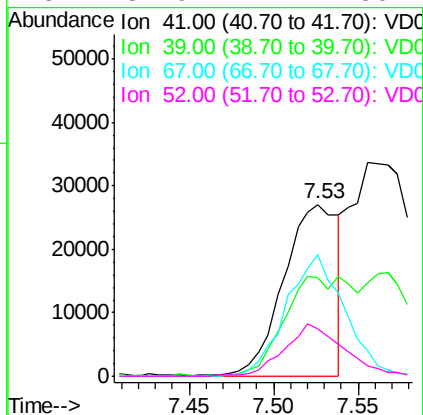
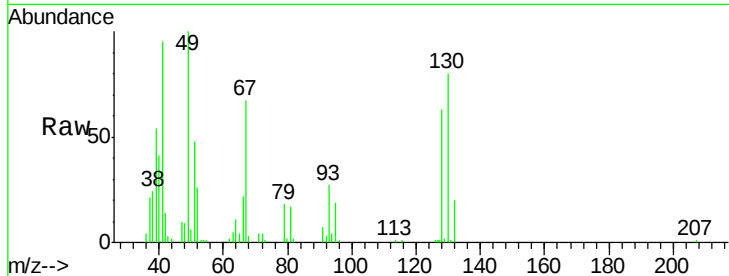
ClientSampleId :

VSTDCCC050

Tot Ion:	41	Resp:	60607
Ion	Ratio	Lower	Upper
41	100		
39	48.6	46.7	70.1
67	76.9	52.5	78.7
52	32.9	24.1	36.1

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#42

1,2-Dichloroethane

Concen: 47.673 ug/l

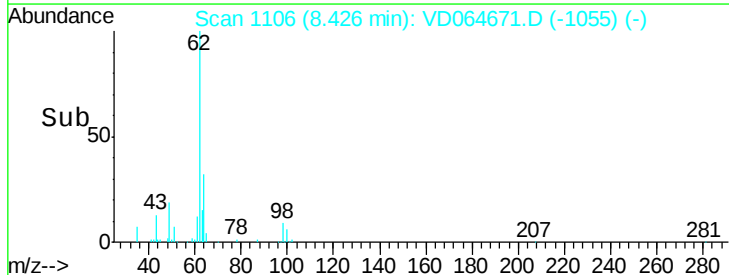
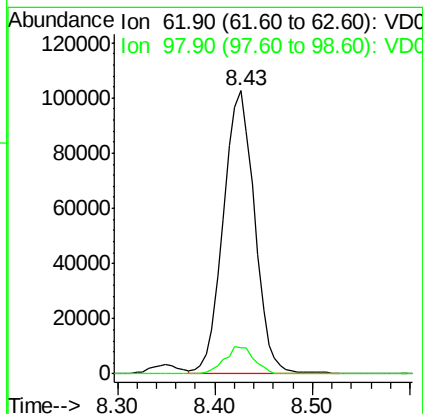
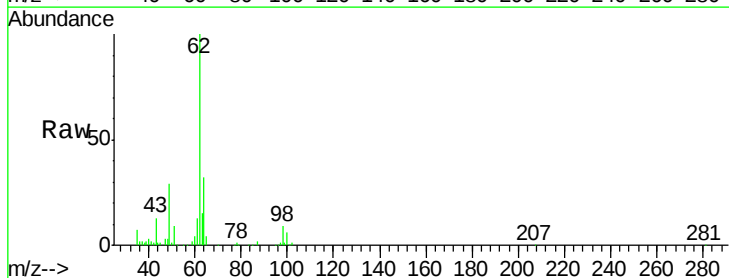
RT: 8.43 min Scan# 1106

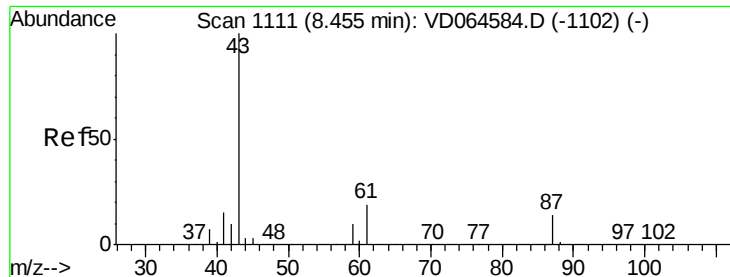
Delta R.T. 0.00 min

Lab File: VD064671.D

Acq: 30 Dec 2019 11:35

Tgt Ion:	62	Resp:	227661
Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	20.0





#43

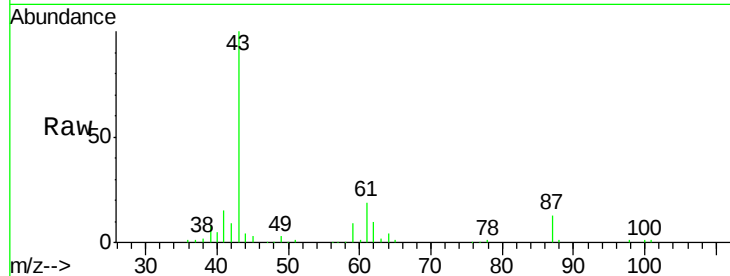
Isopropyl Acetate
 Concen: 45.495 ug/l
 RT: 8.46 min Scan# 1111
 Delta R.T. 0.00 min
 Lab File: VD064671.D
 Acq: 30 Dec 2019 11:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

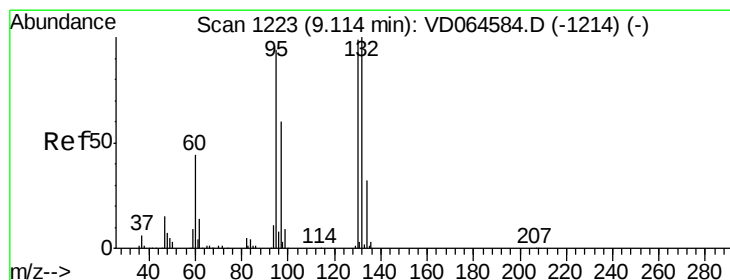
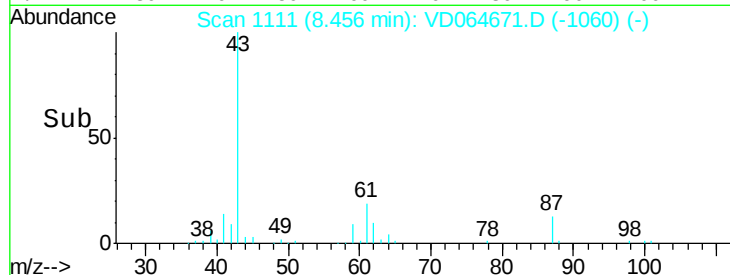
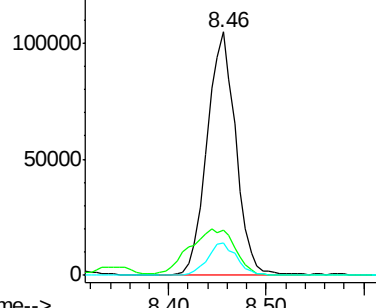
Tot Ion	Ratio	Lower	Upper
43	100		
61	29.8	23.7	35.5
87	13.5	10.5	15.7

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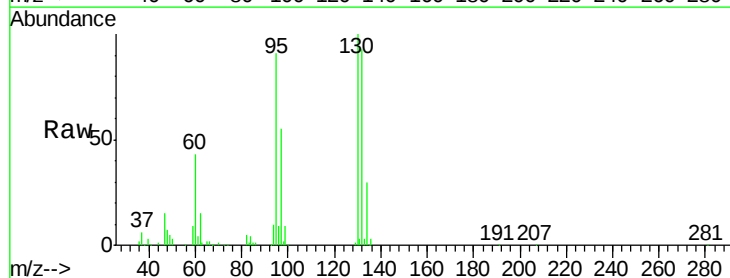
Abundance Ion 43.00 (42.70 to 43.70): VDC
 Ion 61.00 (60.70 to 61.70): VDC
 Ion 87.00 (86.70 to 87.70): VDC



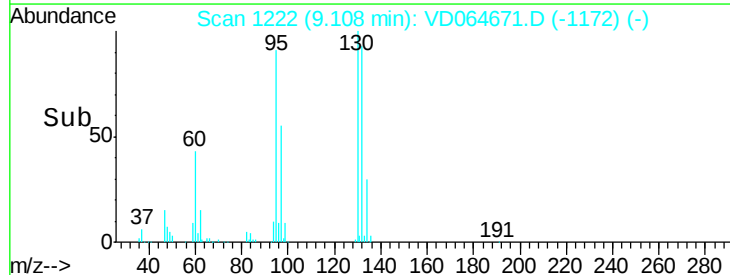
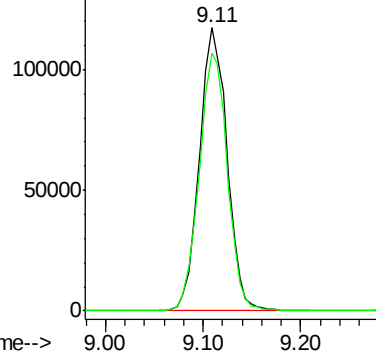
#44

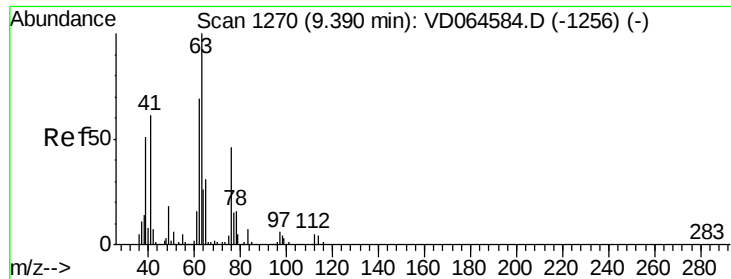
Trichloroethene
 Concen: 47.570 ug/l
 RT: 9.11 min Scan# 1222
 Delta R.T. -0.01 min
 Lab File: VD064671.D
 Acq: 30 Dec 2019 11:35

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.1	0.0	190.2



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





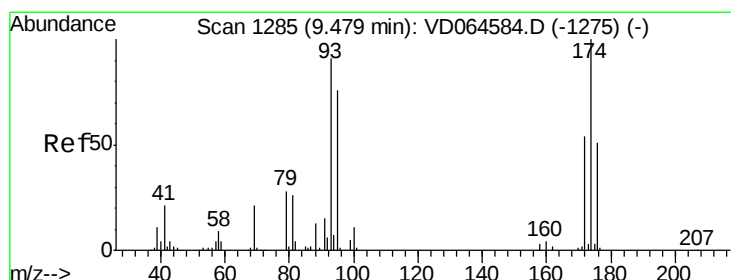
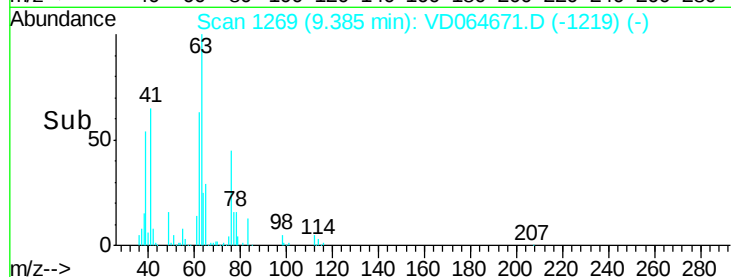
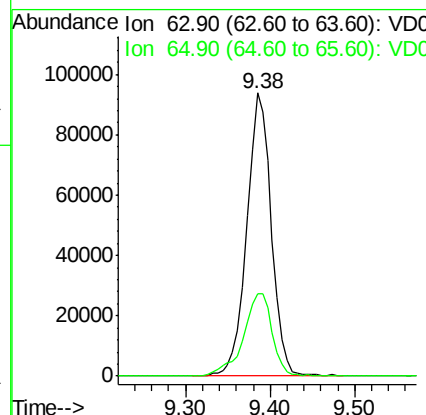
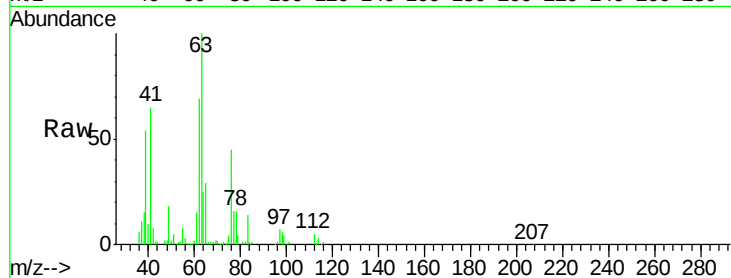
#45
 1,2-Dichloropropane
 Concen: 47.943 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VD064671.D
 Acq: 30 Dec 2019 11:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 189169
 Ion Ratio Lower Upper
 63 100
 65 29.3 25.2 37.8

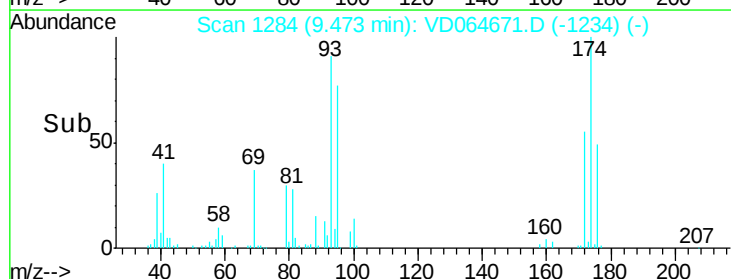
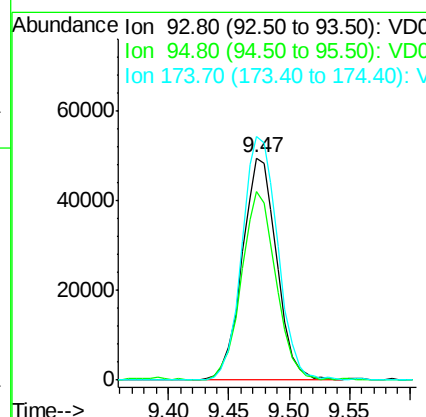
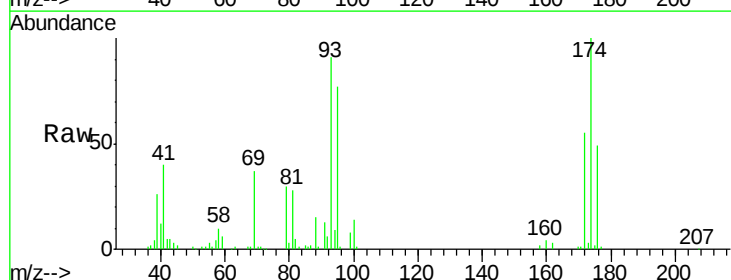
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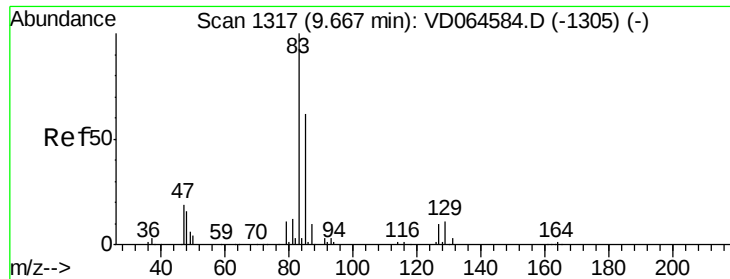
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#46
 Dibromomethane
 Concen: 44.831 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. -0.01 min
 Lab File: VD064671.D
 Acq: 30 Dec 2019 11:35

Tgt Ion: 93 Resp: 98623
 Ion Ratio Lower Upper
 93 100
 95 84.6 64.6 97.0
 174 113.3 88.1 132.1





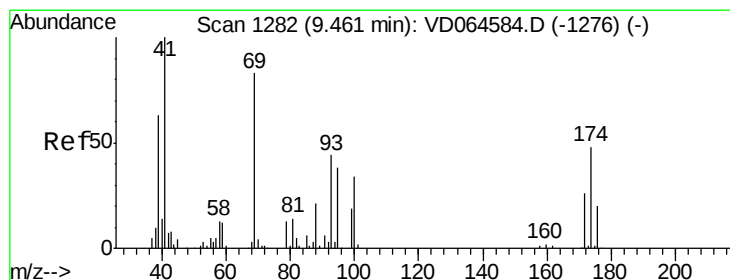
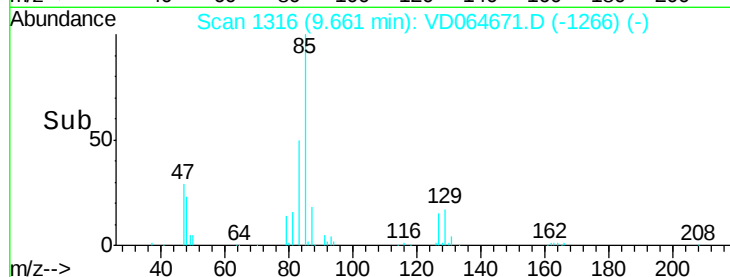
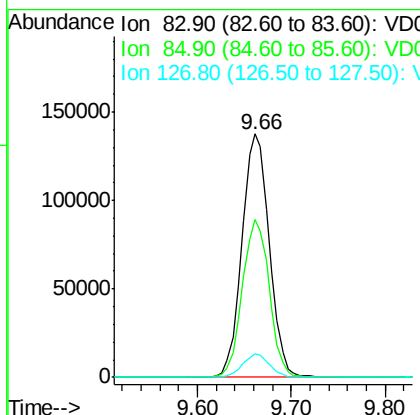
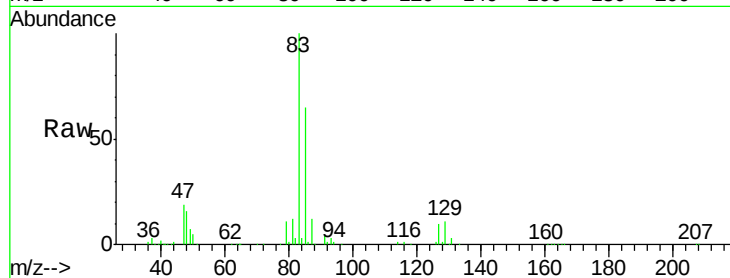
#47
Bromodichloromethane
Concen: 47.228 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. -0.01 min
Lab File: VD064671.D
Acq: 30 Dec 2019 11:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	276462		
85	64.7	49.5	74.3	
127	9.7	7.8	11.6	

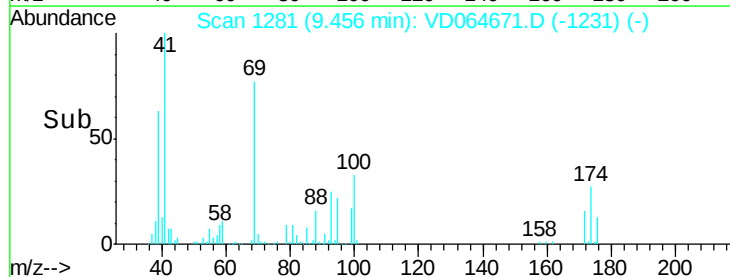
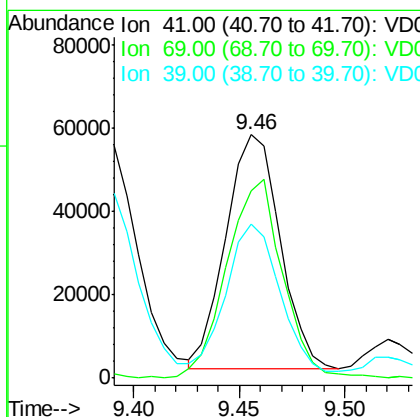
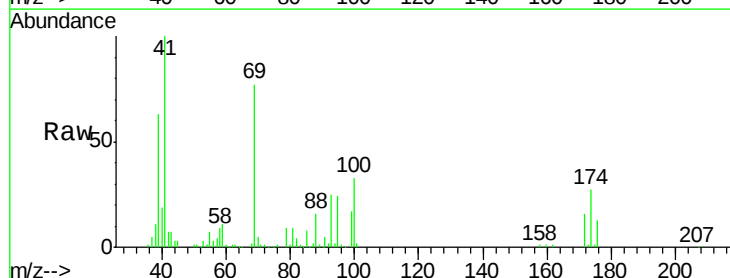
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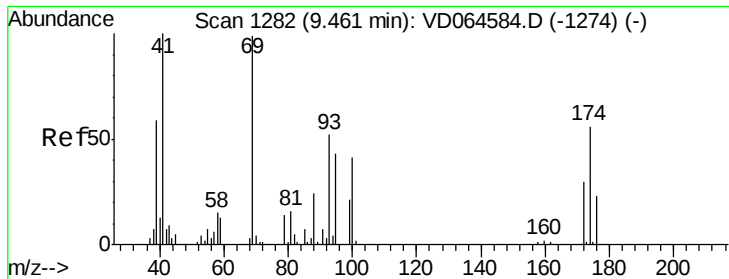
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#48
Methyl methacrylate
Concen: 45.215 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD064671.D
Acq: 30 Dec 2019 11:35

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	100776		
69	87.8	63.0	94.6	
39	61.2	47.4	71.2	





#49

1,4-Dioxane

Concen: 860.523 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD064671.D

Acq: 30 Dec 2019 11:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 88 Resp: 21828

Ion Ratio Lower Upper

88 100

43 36.7 27.7 41.5

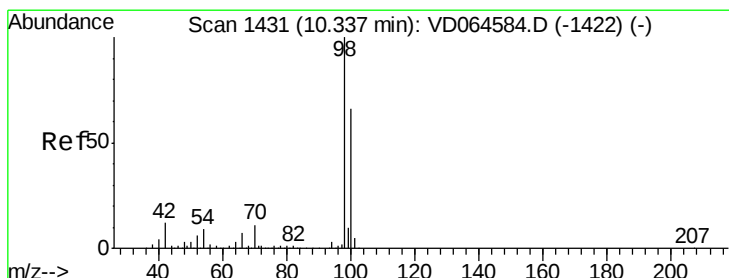
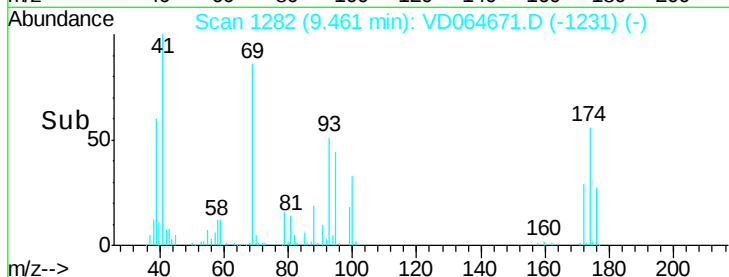
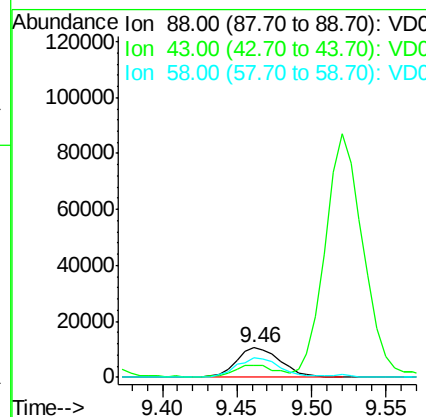
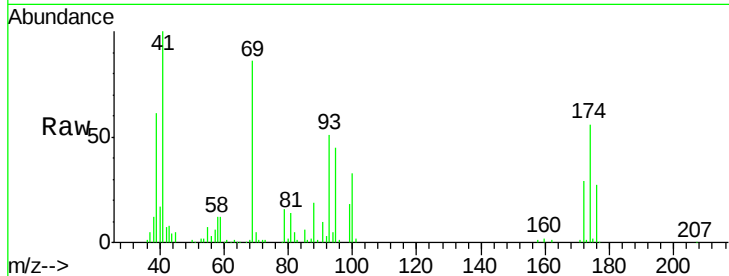
58 64.6 53.8 80.6

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#50

Toluene-d8

Concen: 51.490 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD064671.D

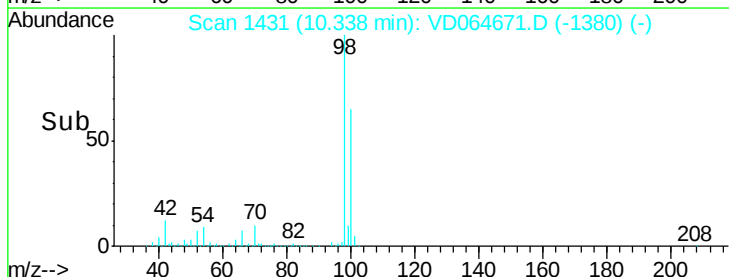
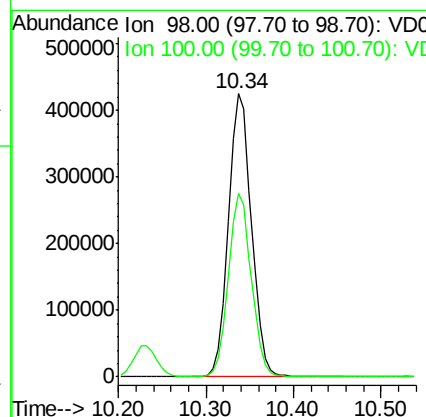
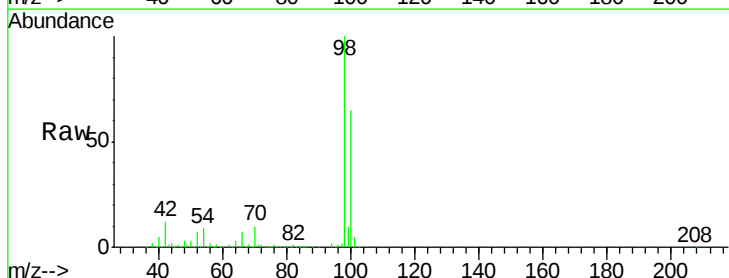
Acq: 30 Dec 2019 11:35

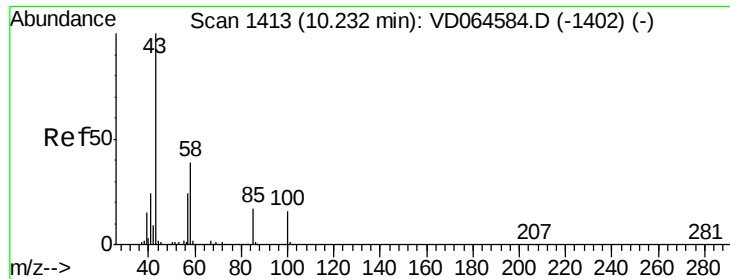
Tgt Ion: 98 Resp: 760945

Ion Ratio Lower Upper

98 100

100 64.6 51.7 77.5





#51

4-Methyl-2-Pentanone

Concen: 225.025 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064671.D

Acq: 30 Dec 2019 11:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 526486

Ion Ratio Lower Upper

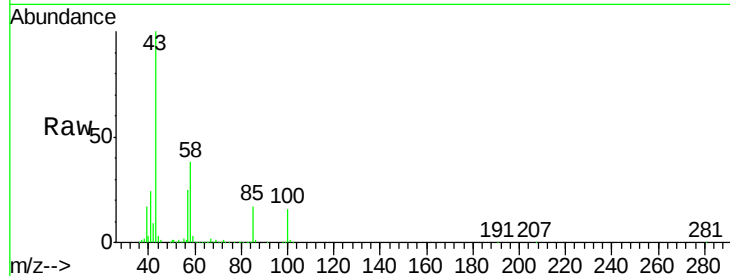
43 100

58 38.2 30.2 45.2

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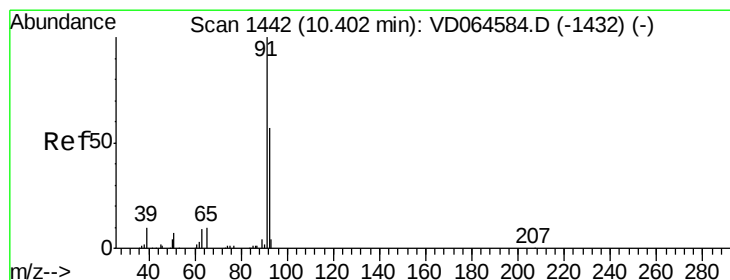
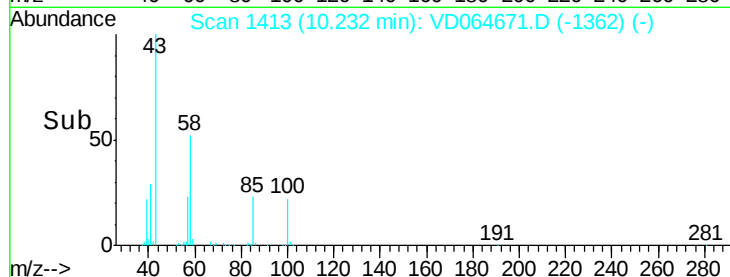
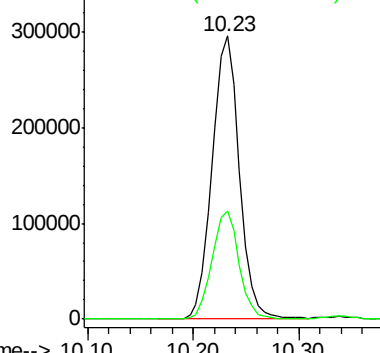
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 47.819 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD064671.D

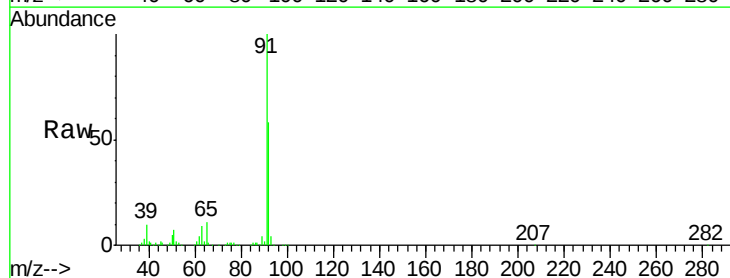
Acq: 30 Dec 2019 11:35

Tgt Ion: 92 Resp: 518455

Ion Ratio Lower Upper

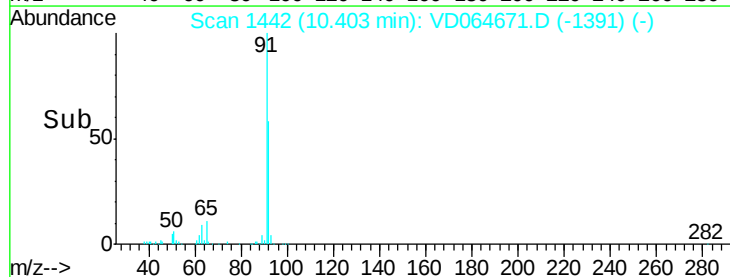
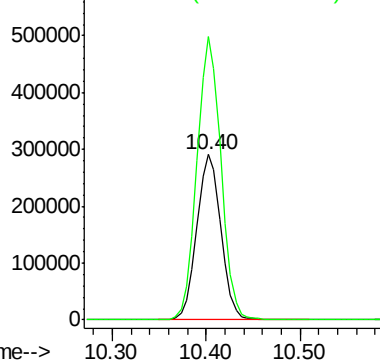
92 100

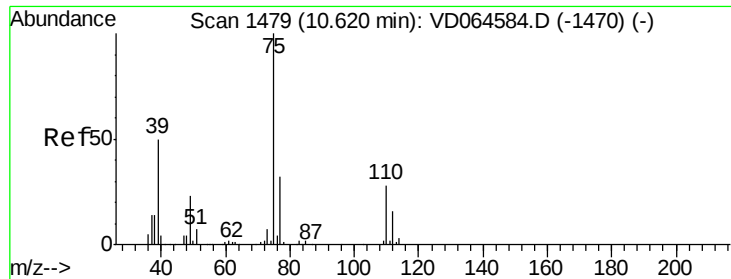
91 170.5 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





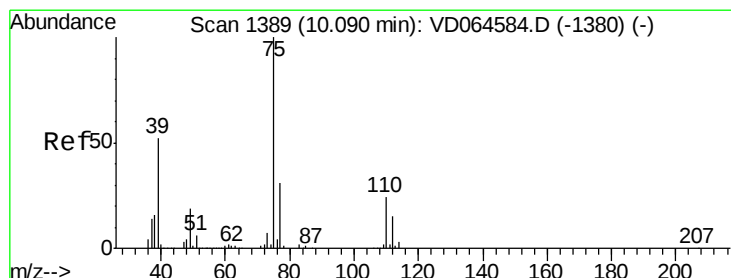
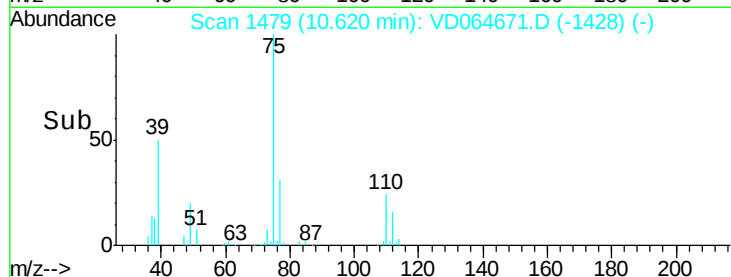
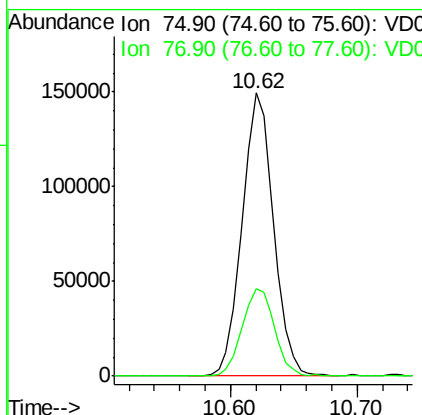
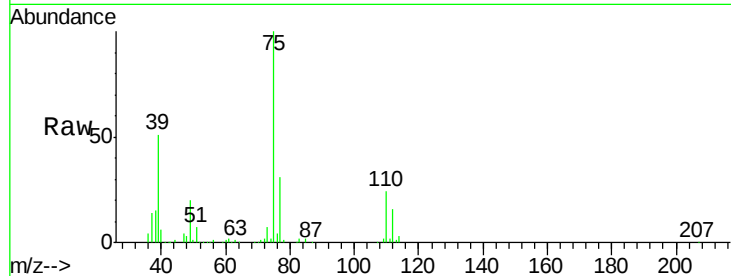
#53
t-1,3-Dichloropropene
Concen: 47.190 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. 0.00 min
Lab File: VD064671.D
Acq: 30 Dec 2019 11:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 257543
Ion Ratio Lower Upper
75 100
77 31.0 25.4 38.2

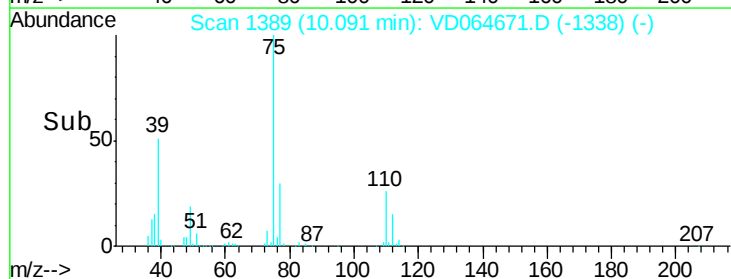
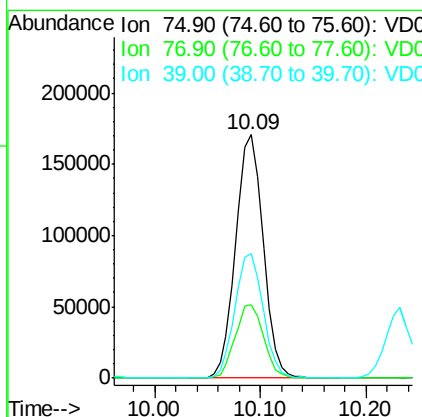
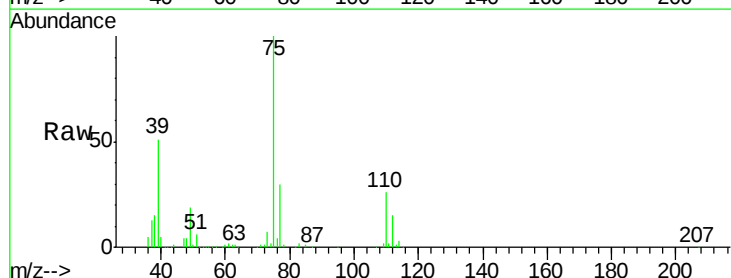
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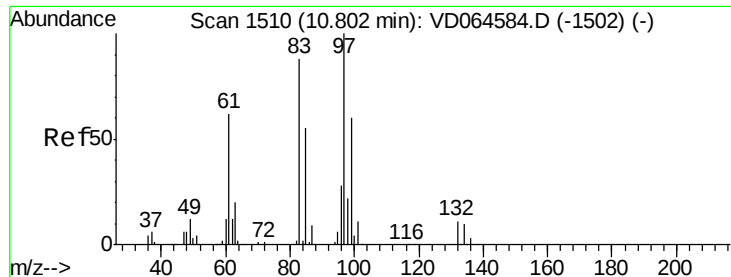
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#54
cis-1,3-Dichloropropene
Concen: 48.135 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD064671.D
Acq: 30 Dec 2019 11:35

Tgt Ion: 75 Resp: 309764
Ion Ratio Lower Upper
75 100
77 30.0 24.6 36.8
39 50.8 41.4 62.2





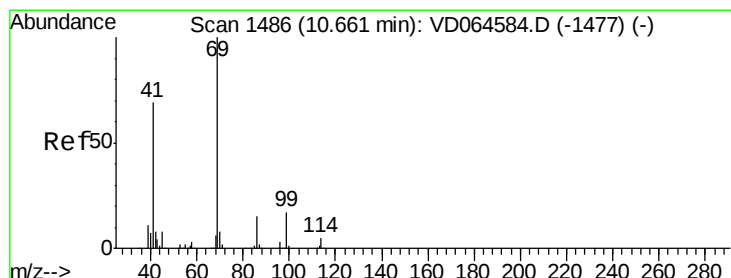
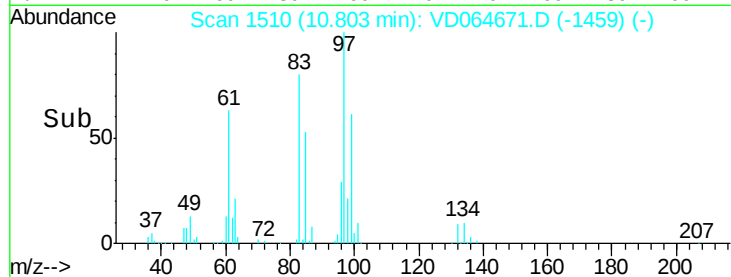
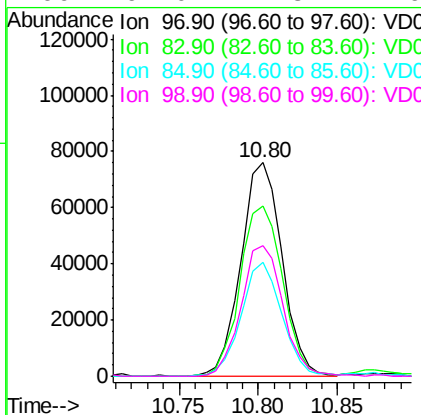
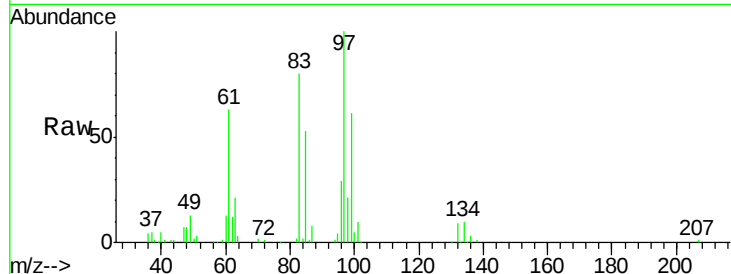
#55
 1,1,2-Trichloroethane
 Concen: 46.455 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064671.D
 Acq: 30 Dec 2019 11:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
97	100	137725		
83	79.4	70.2	105.4	
85	53.1	44.0	66.0	
99	61.0	47.8	71.6	

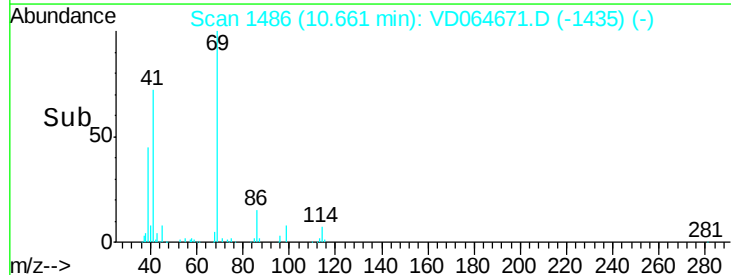
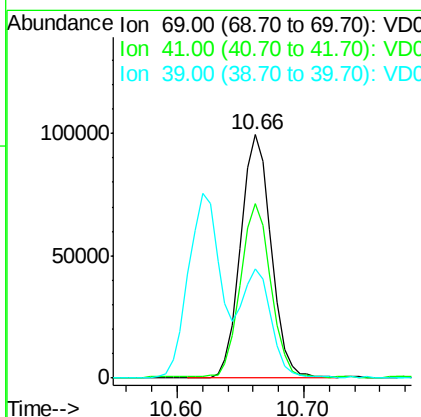
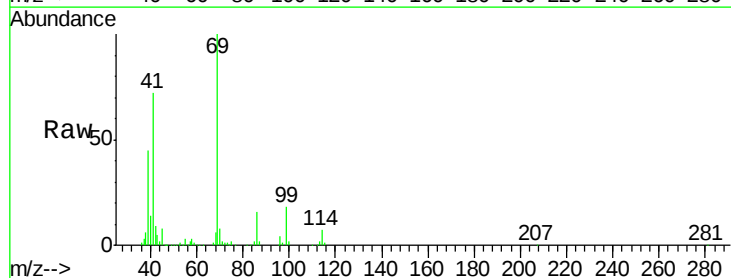
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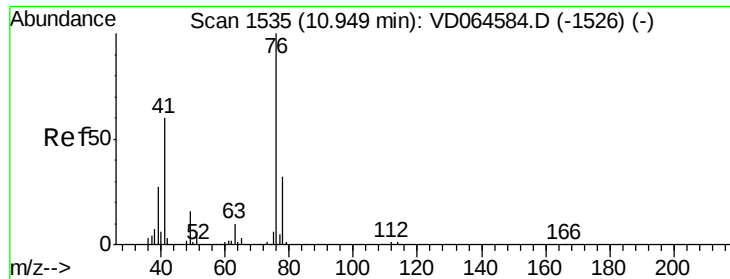
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#56
 Ethyl methacrylate
 Concen: 45.150 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD064671.D
 Acq: 30 Dec 2019 11:35

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	167168		
41	70.7	55.3	82.9	
39	42.5	33.8	50.8	





#57

1,3-Dichloropropane

Concen: 45.918 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064671.D

Acq: 30 Dec 2019 11:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 234392

Ion Ratio Lower Upper

76 100

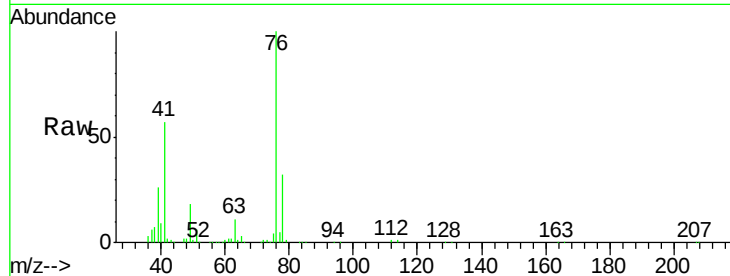
78 33.2 26.2 39.4

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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

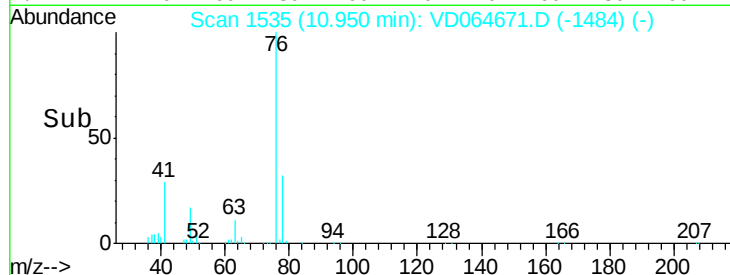
150000

100000

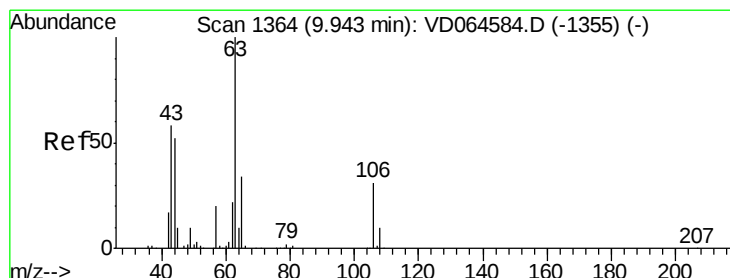
50000

0

Time-->



Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 232.770 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD064671.D

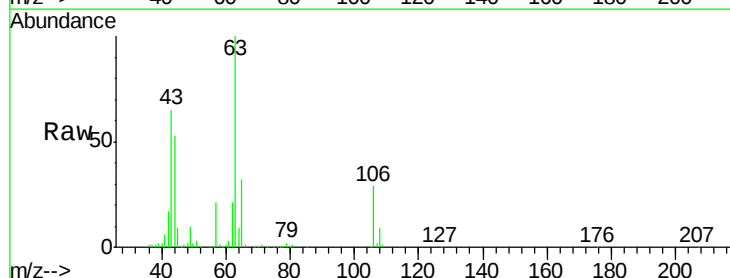
Acq: 30 Dec 2019 11:35

Tgt Ion: 63 Resp: 328353

Ion Ratio Lower Upper

63 100

106 29.2 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

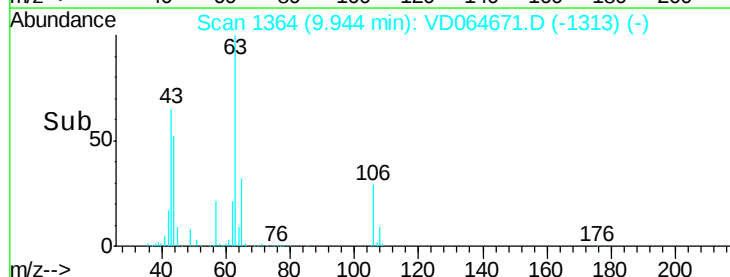
150000

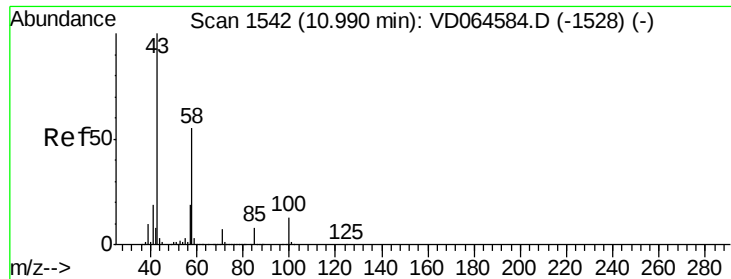
100000

50000

0

Time-->





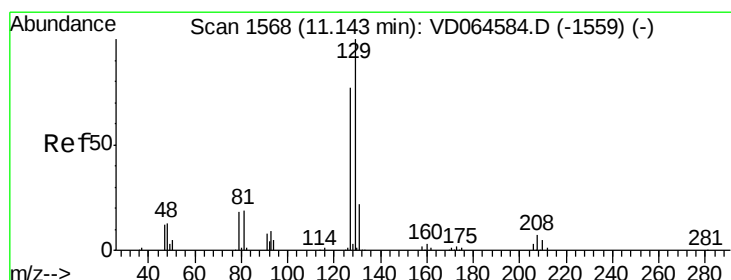
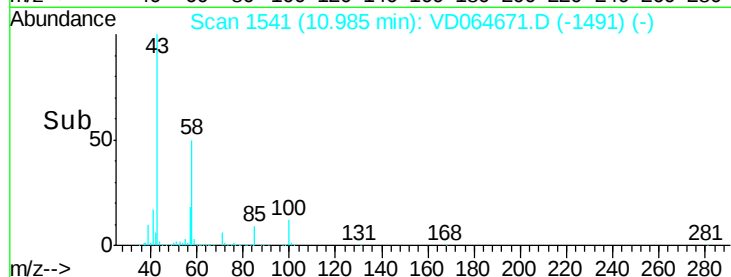
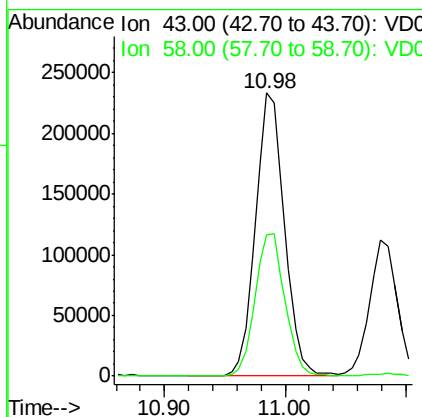
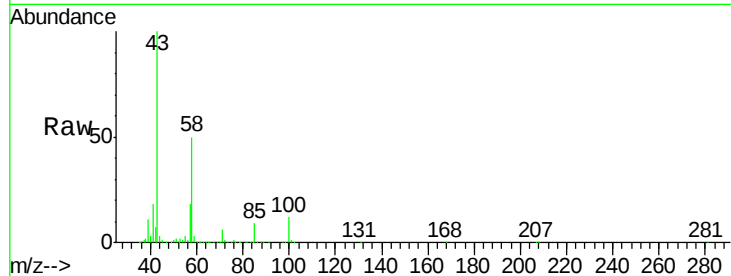
#59
2-Hexanone
Concen: 245.878 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD064671.D
Acq: 30 Dec 2019 11:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 390451
Ion Ratio Lower Upper
43 100
58 51.7 26.4 79.0

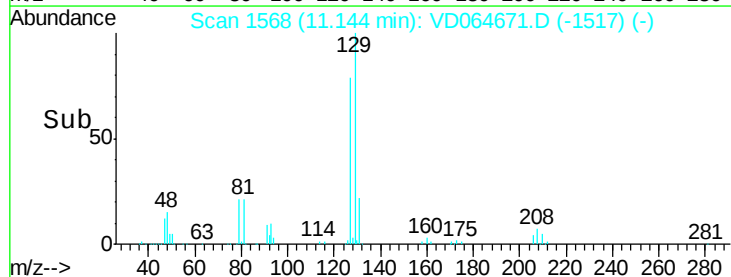
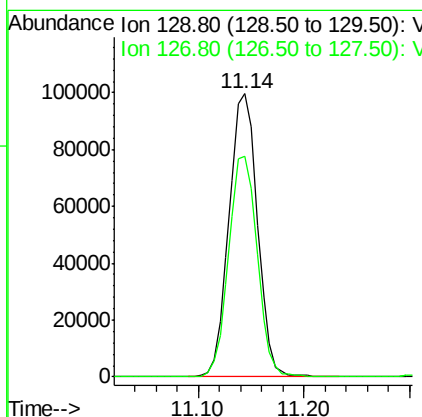
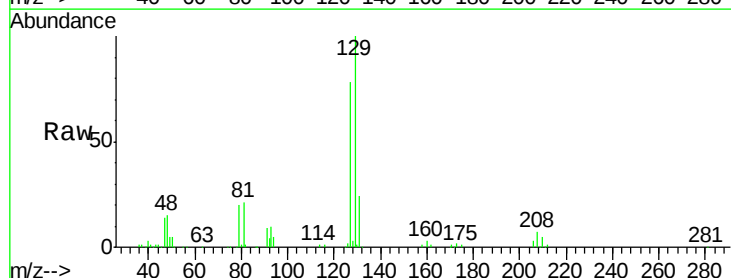
Manual Integrations
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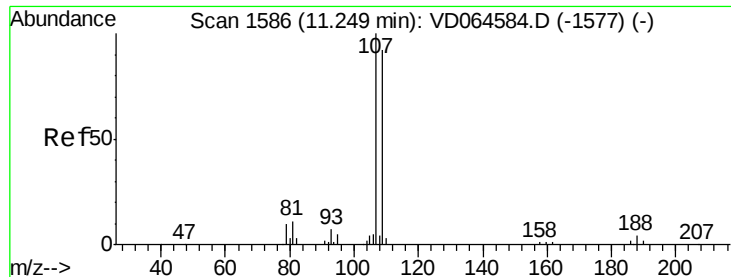
apatel
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#60
Dibromochloromethane
Concen: 45.107 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064671.D
Acq: 30 Dec 2019 11:35

Tgt Ion: 129 Resp: 184928
Ion Ratio Lower Upper
129 100
127 78.4 38.4 115.2





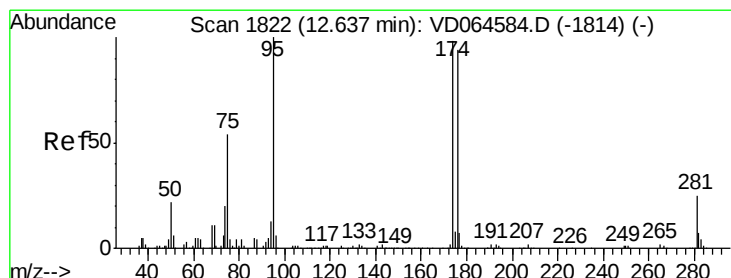
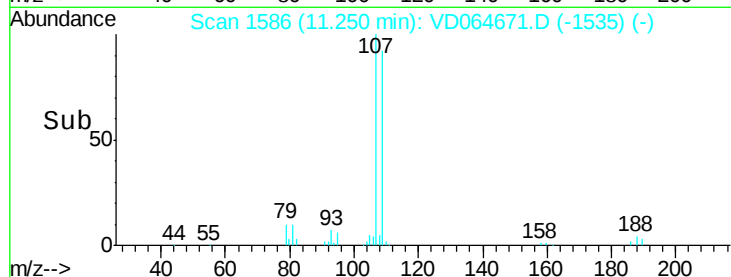
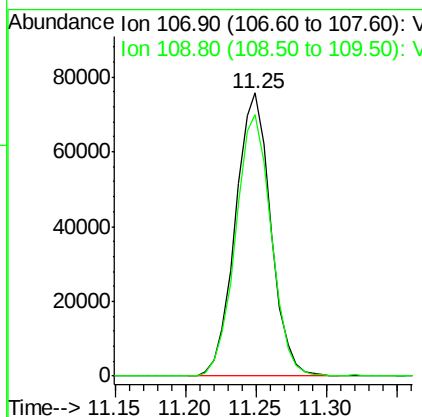
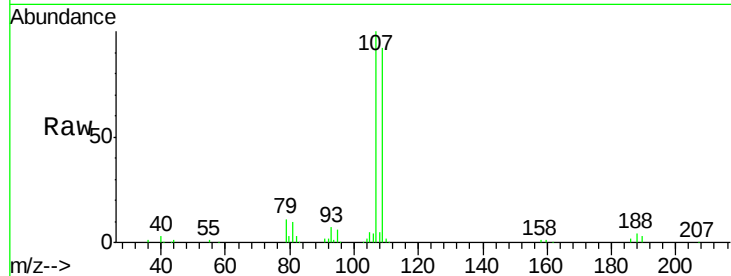
#61
 1,2-Dibromoethane
 Concen: 45.269 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064671.D
 Acq: 30 Dec 2019 11:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.5	75.6	113.4

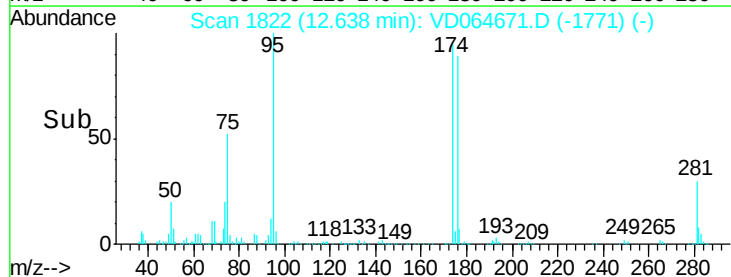
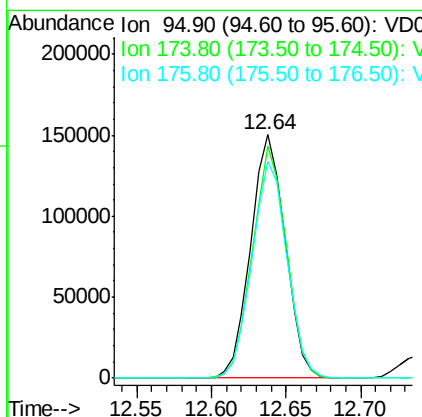
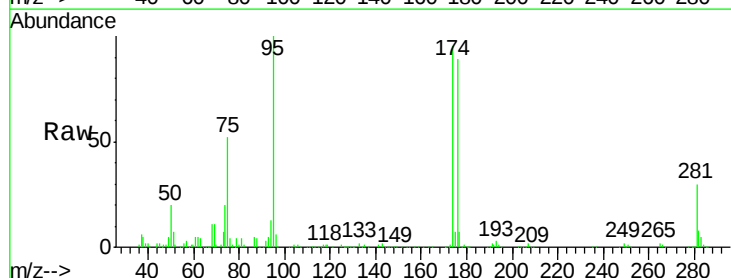
Manual Integrations
 APPROVED

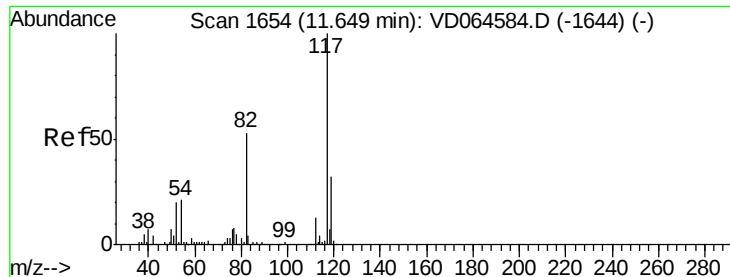
apatel
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#62
 4-Bromofluorobenzene
 Concen: 51.236 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064671.D
 Acq: 30 Dec 2019 11:35

Tgt Ion	Ratio	Lower	Upper
95	100		
174	94.3	0.0	193.2
176	90.5	0.0	184.2





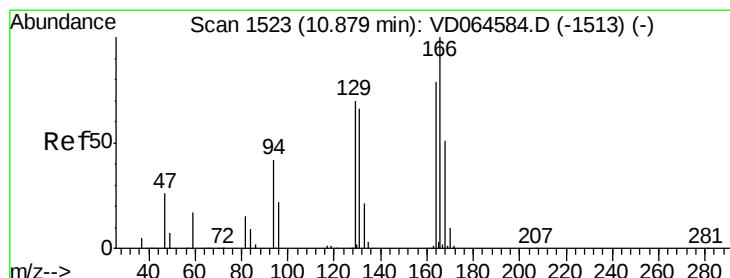
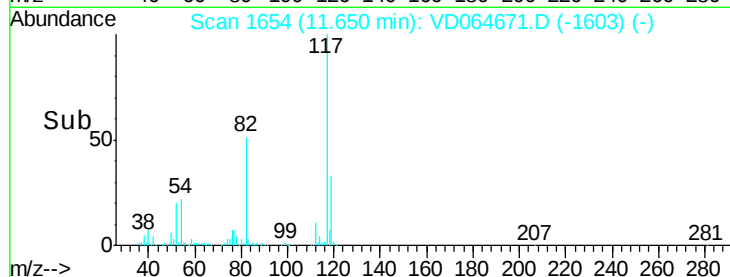
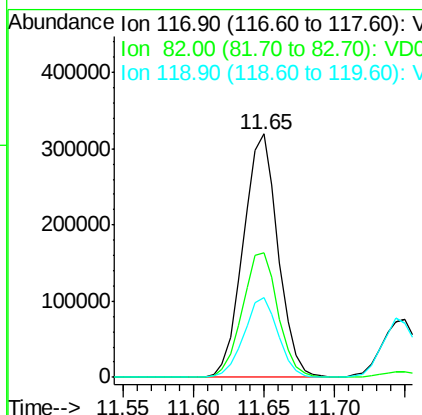
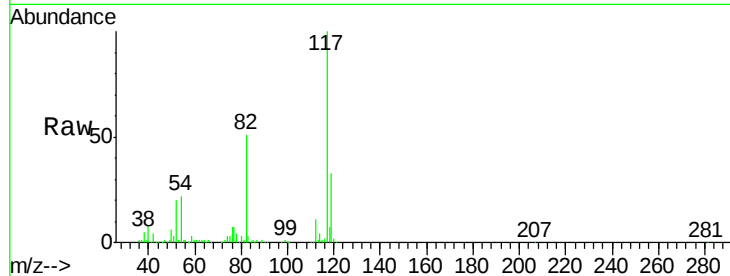
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064671.D
Acq: 30 Dec 2019 11:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.2	42.2	63.4
119	32.6	26.0	39.0

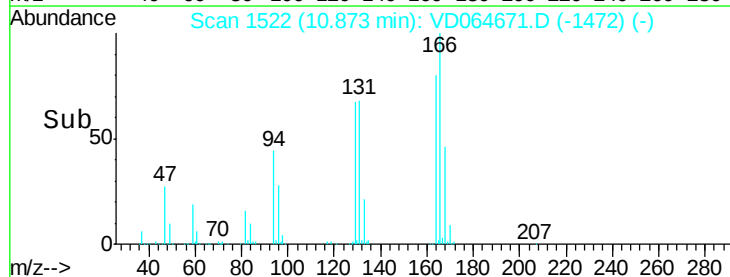
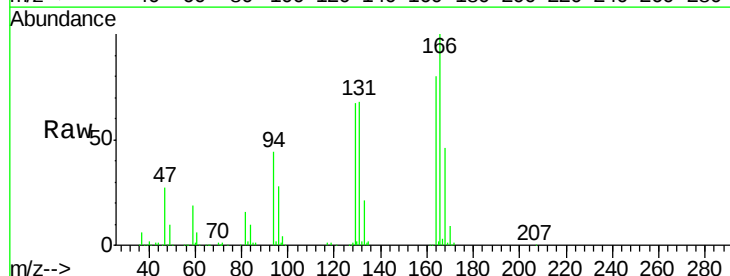
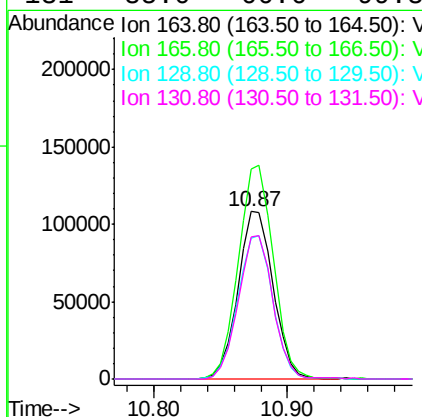
Manual Integrations
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#64
Tetrachloroethene
Concen: 46.707 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.01 min
Lab File: VD064671.D
Acq: 30 Dec 2019 11:35

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.6	101.3	151.9
129	84.6	70.5	105.7
131	85.0	66.6	99.8





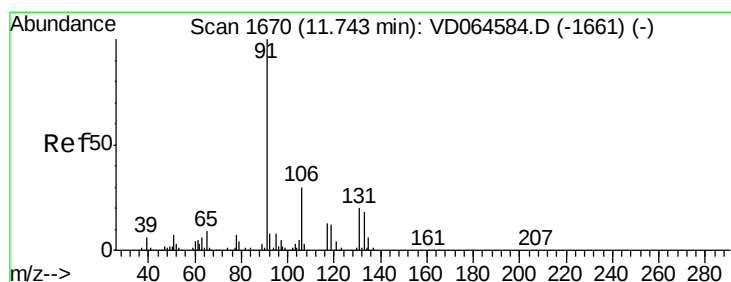
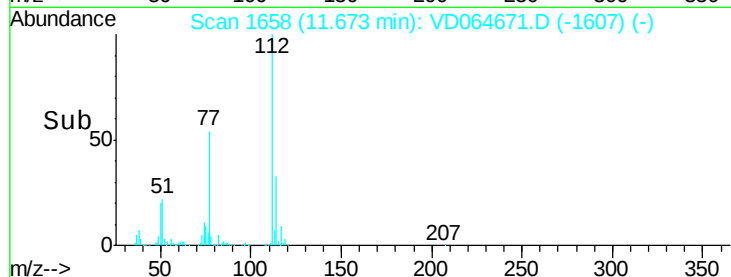
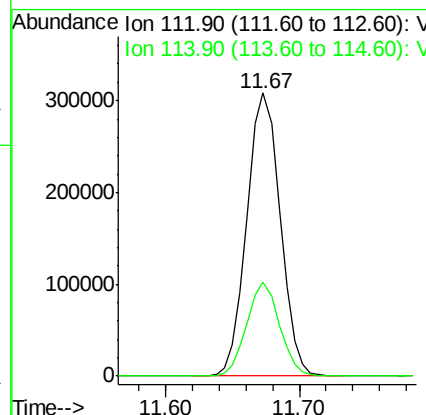
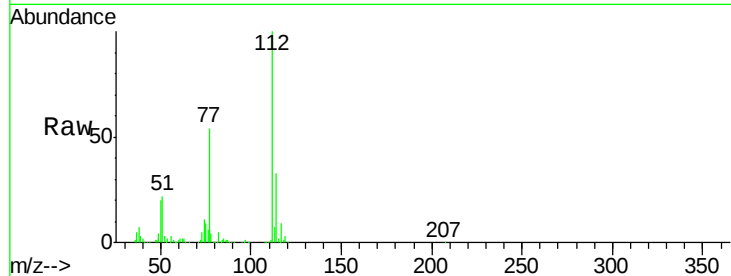
#65
Chlorobenzene
Concen: 46.789 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064671.D
Acq: 30 Dec 2019 11:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.0	24.8	37.2

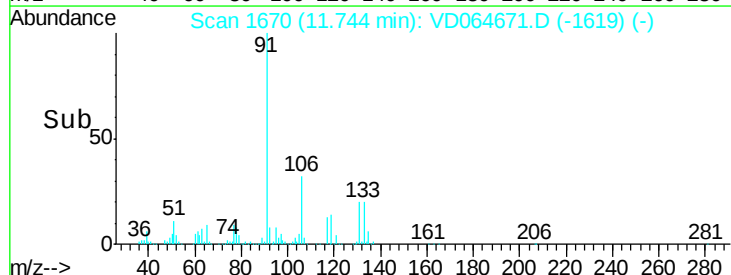
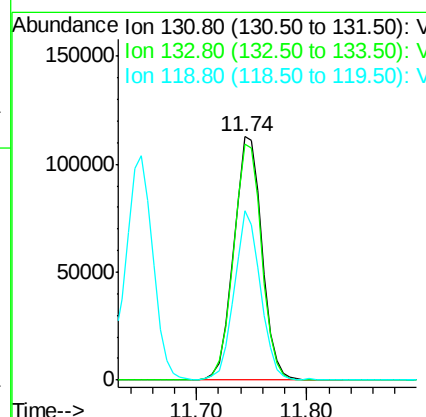
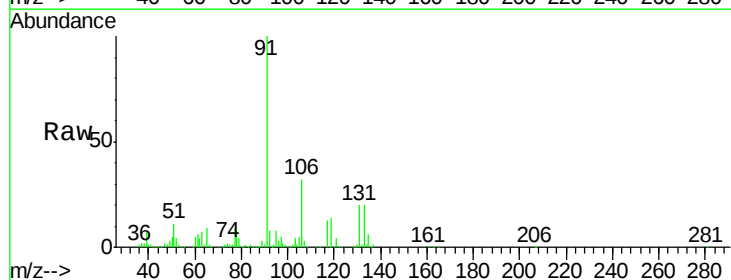
Manual Integrations
APPROVED

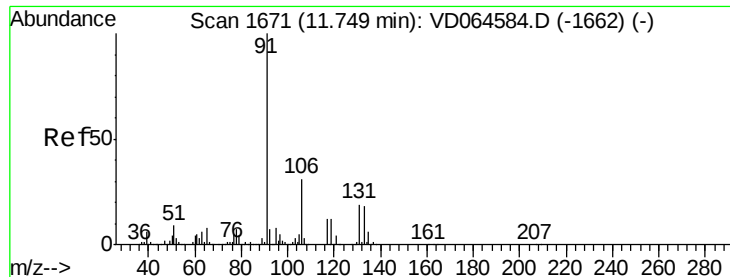
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#66
1,1,1,2-Tetrachloroethane
Concen: 47.018 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD064671.D
Acq: 30 Dec 2019 11:35

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.4	48.3	144.8
119	64.9	32.1	96.3





#67

Ethyl Benzene

Concen: 47.463 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064671.D

Acq: 30 Dec 2019 11:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 984236

Ion Ratio Lower Upper

91 100

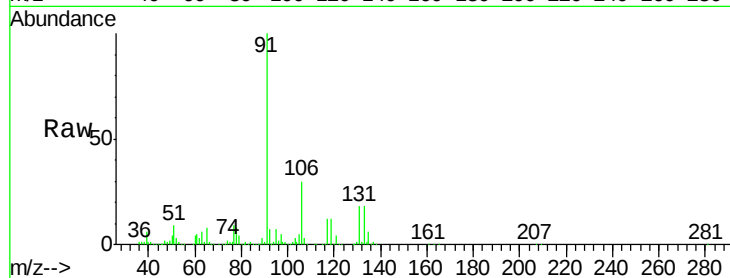
106 30.3 24.6 36.8

Manual Integrations

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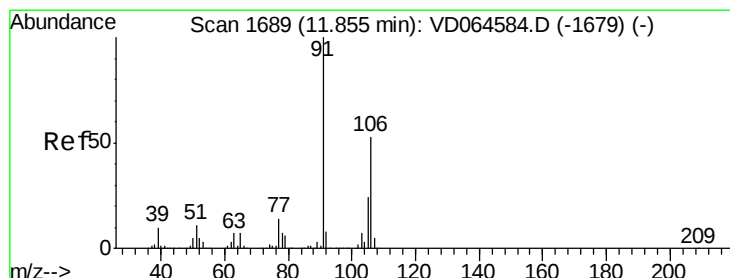
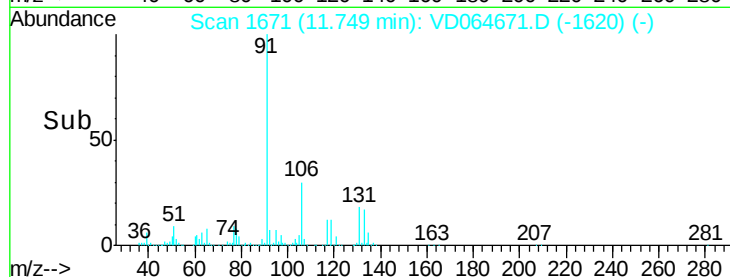
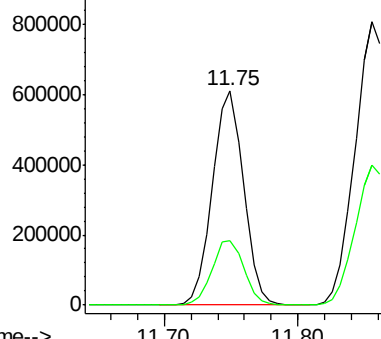
apatel

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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 94.227 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064671.D

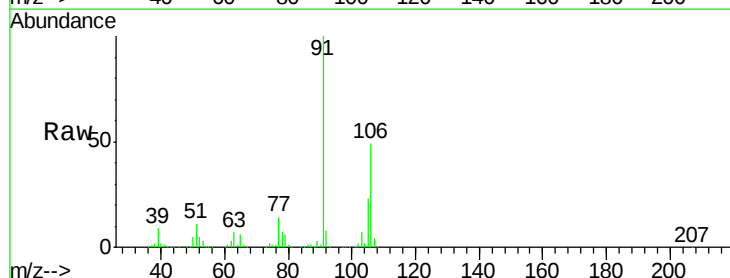
Acq: 30 Dec 2019 11:35

Tgt Ion: 106 Resp: 754188

Ion Ratio Lower Upper

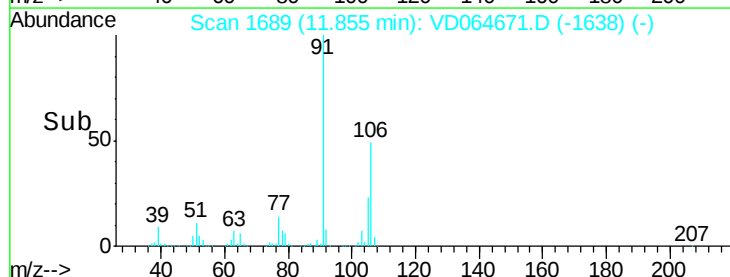
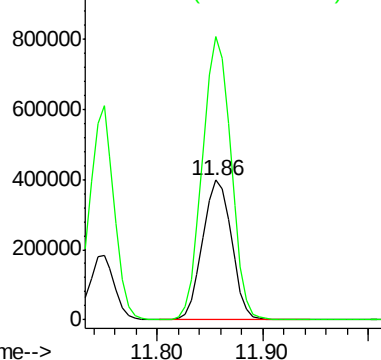
106 100

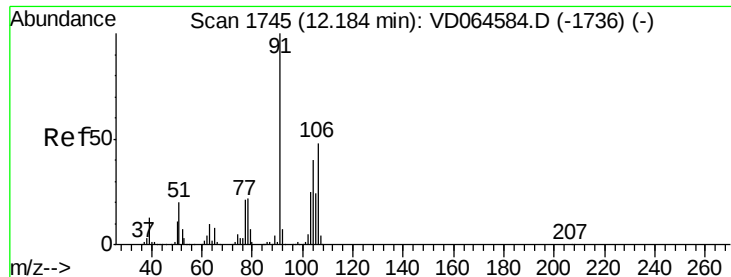
91 200.5 156.3 234.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V





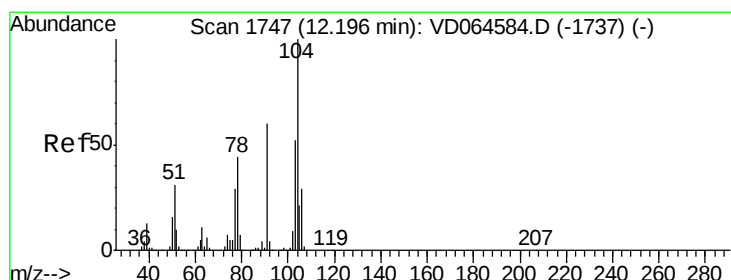
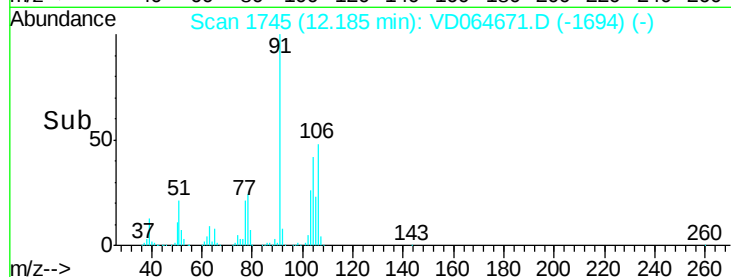
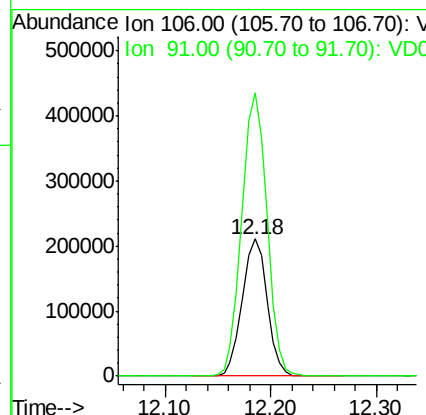
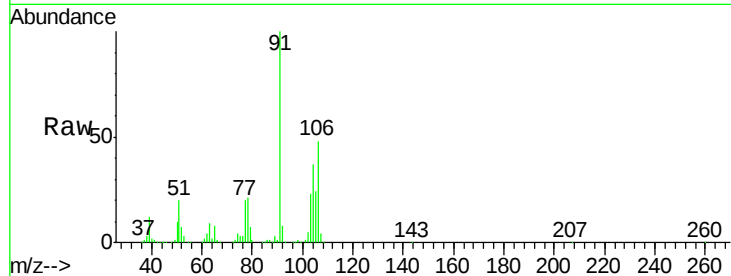
#69
o-Xylene
Concen: 47.538 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064671.D
Acq: 30 Dec 2019 11:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	209.3	104.8	343677	314.4	

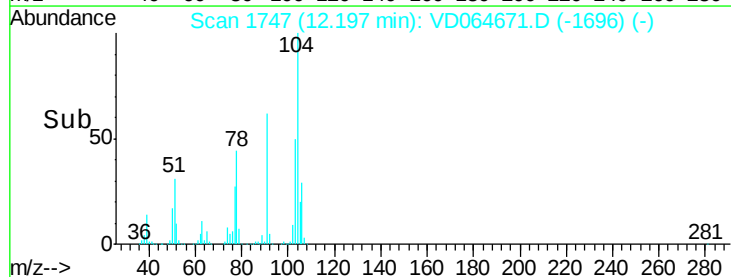
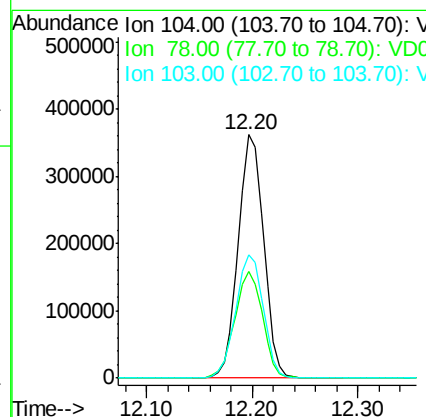
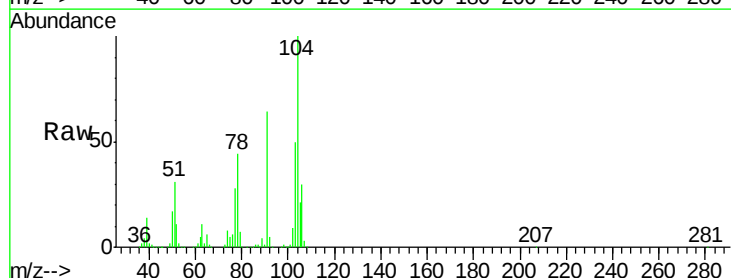
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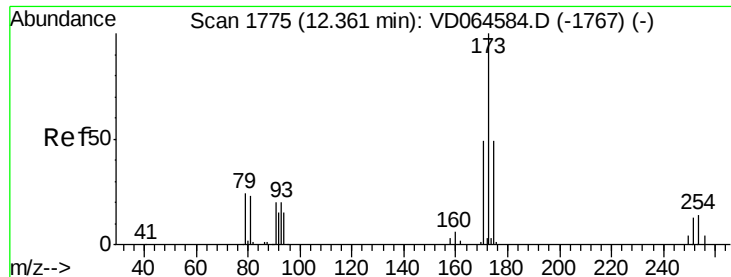
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#70
Styrene
Concen: 47.590 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064671.D
Acq: 30 Dec 2019 11:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	47.7	38.2	603921	57.2	
103	54.7	44.6		67.0	





#71

Bromoform

Concen: 46.386 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064671.D

Acq: 30 Dec 2019 11:35

Instrument :

MSVOA_D

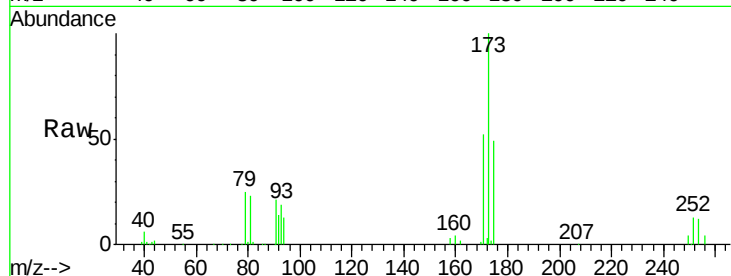
ClientSampleId :

VSTDCCC050

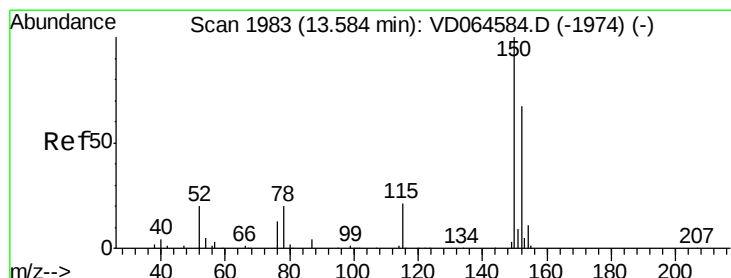
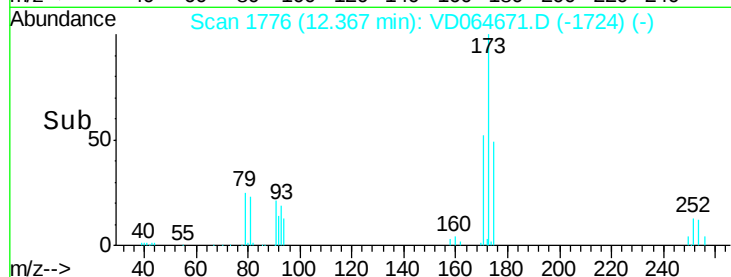
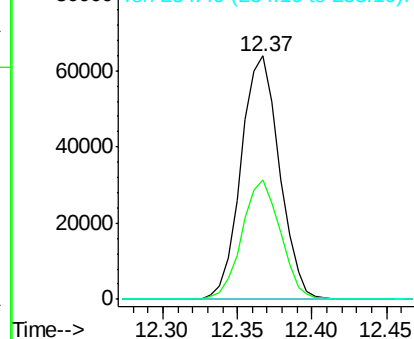
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.6	73.8
254	0.0	0.1	0.1#

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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

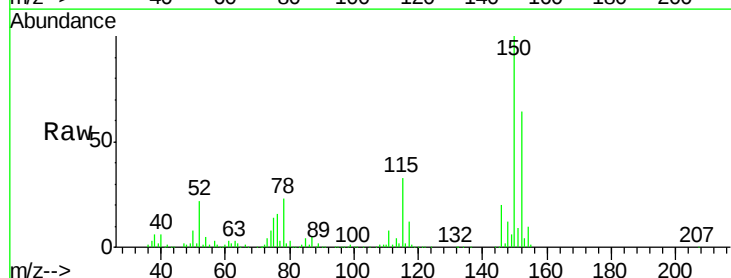
RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

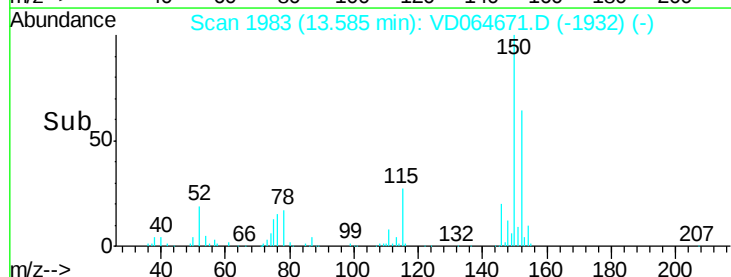
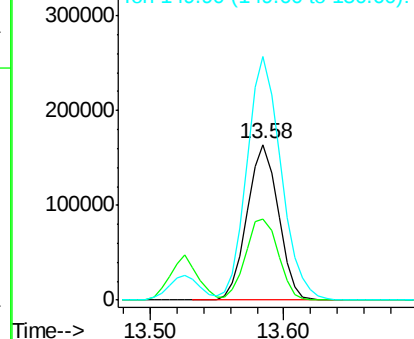
Lab File: VD064671.D

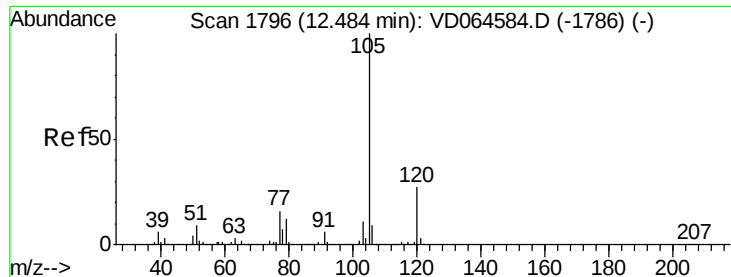
Acq: 30 Dec 2019 11:35

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.8	27.8	83.4
150	171.4	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: 49.532 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064671.D

Acq: 30 Dec 2019 11:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 936896

Ion Ratio Lower Upper

105 100

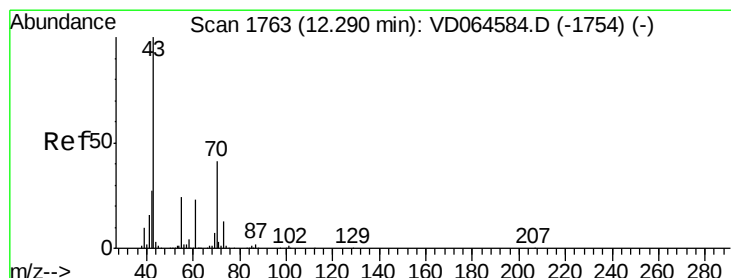
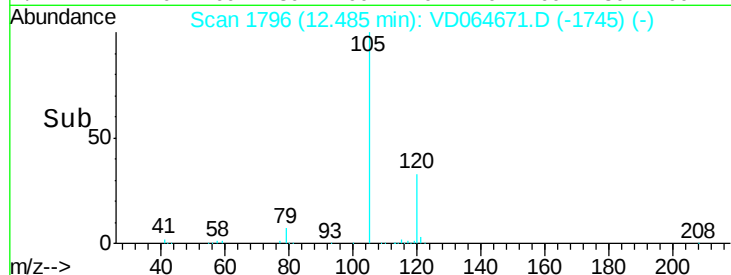
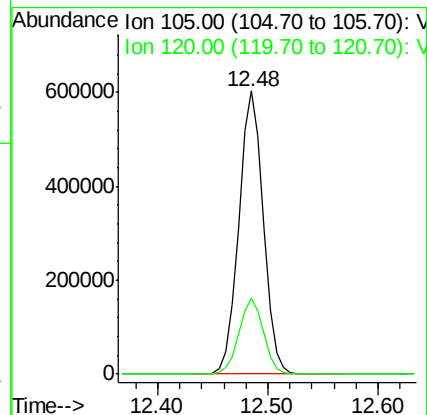
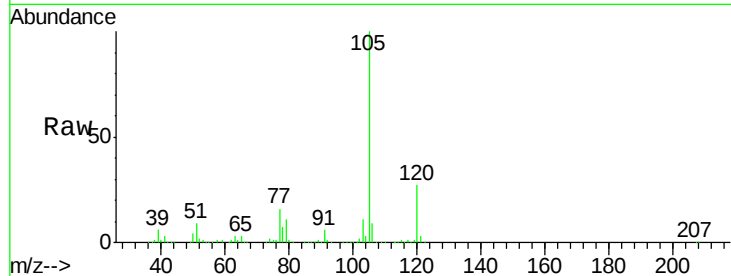
120 27.0 13.5 40.5

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#74

N-ethyl acetate

Concen: 49.029 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064671.D

Acq: 30 Dec 2019 11:35

Tgt Ion: 43 Resp: 198242

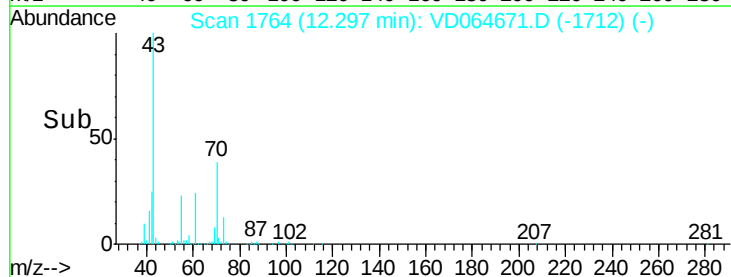
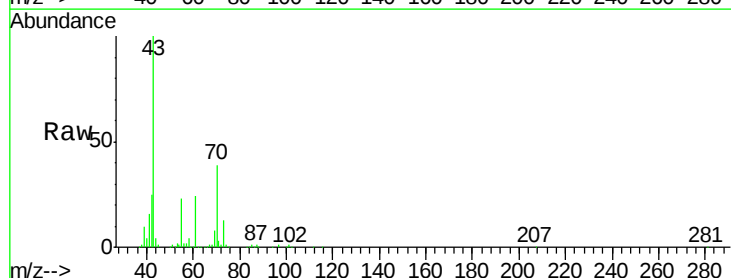
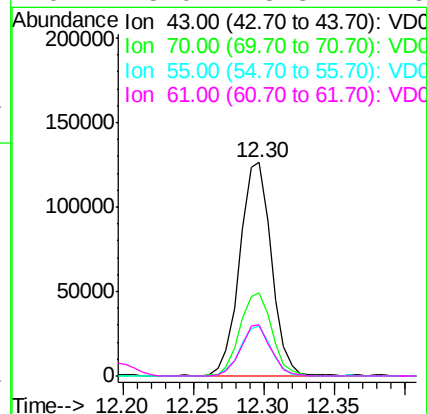
Ion Ratio Lower Upper

43 100

70 39.6 33.4 50.0

55 22.8 19.4 29.0

61 23.0 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 46.948 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064671.D

Acq: 30 Dec 2019 11:35

Instrument :

MSVOA_D

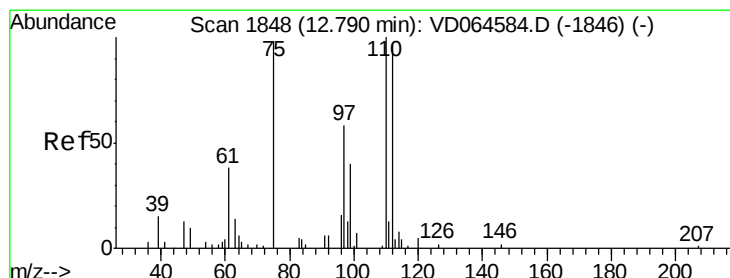
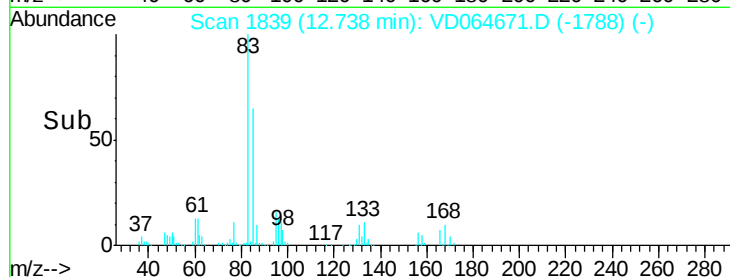
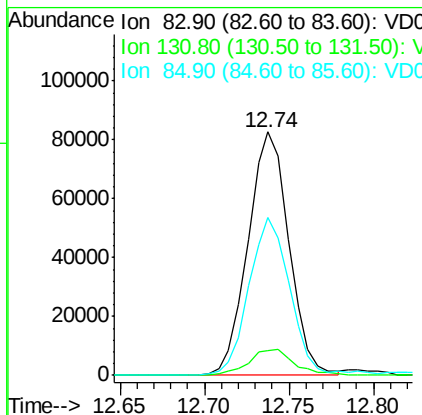
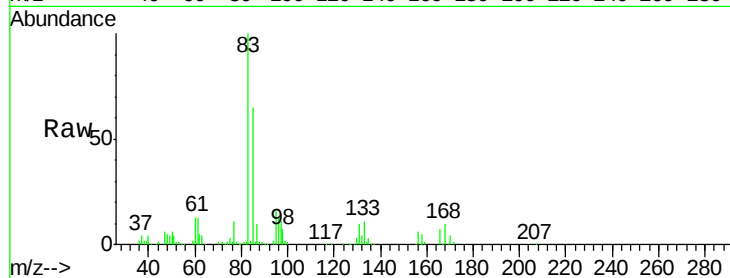
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	139500
Ion Ratio	Lower	Upper	
83	100		
131	12.1	5.8	17.4
85	64.8	32.3	96.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 42.051 ug/l m

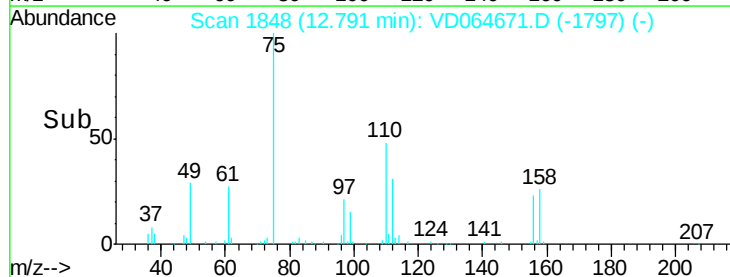
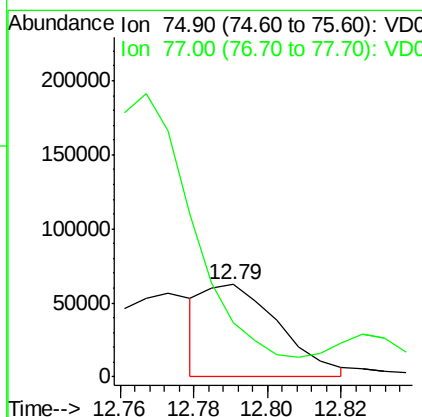
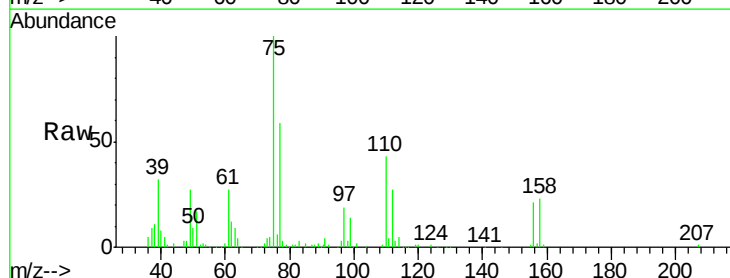
RT: 12.79 min Scan# 1848

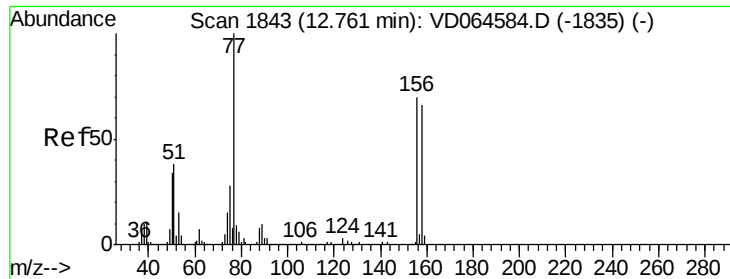
Delta R.T. 0.00 min

Lab File: VD064671.D

Acq: 30 Dec 2019 11:35

Tgt Ion:	75	Resp:	87891
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 47.537 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064671.D

Acq: 30 Dec 2019 11:35

Instrument :

MSVOA_D

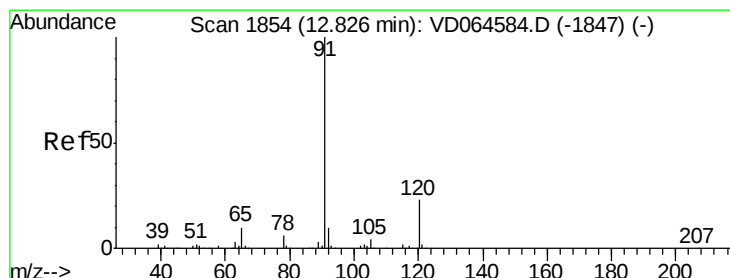
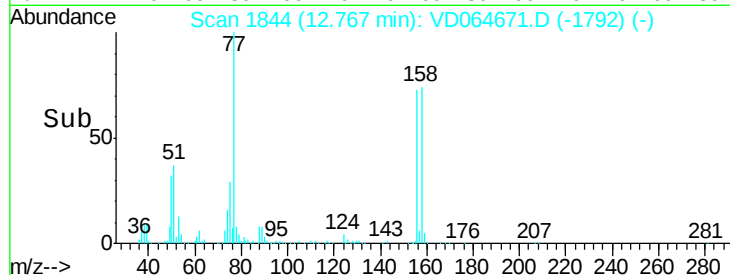
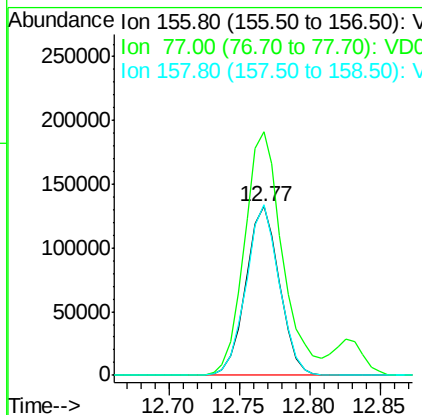
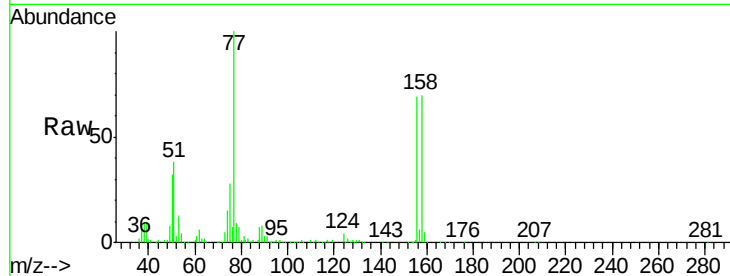
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	220936
Ion Ratio	Lower	Upper	
156	100		
77	163.5	80.9	242.7
158	99.6	48.0	144.2

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#78

n-propylbenzene

Concen: 49.987 ug/l

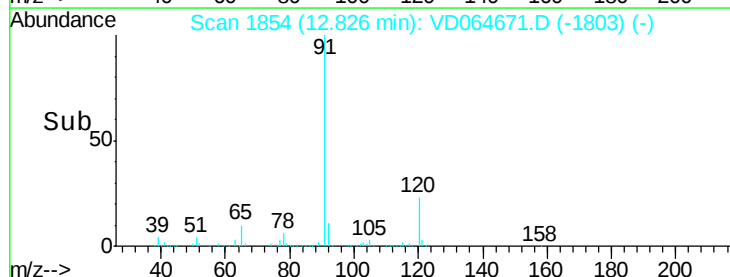
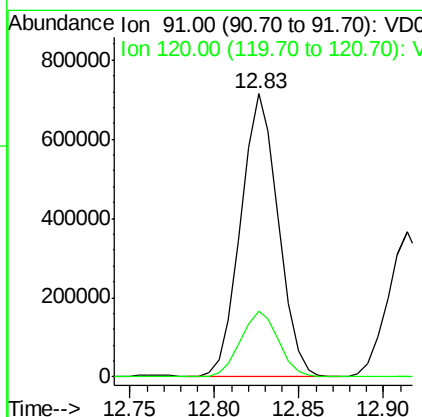
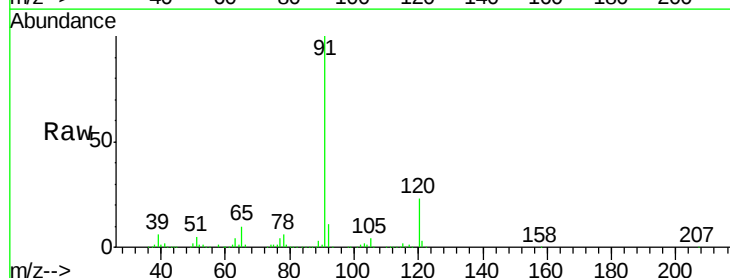
RT: 12.83 min Scan# 1854

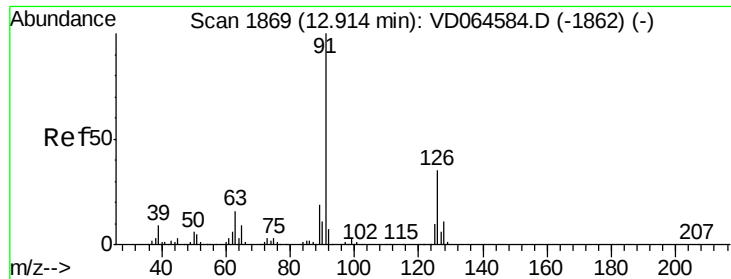
Delta R.T. 0.00 min

Lab File: VD064671.D

Acq: 30 Dec 2019 11:35

Tgt Ion:	91	Resp:	1103042
Ion Ratio	Lower	Upper	
91	100		
120	23.4	11.9	35.9





#79

2-Chlorotoluene

Concen: 48.615 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064671.D

Acq: 30 Dec 2019 11:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 589316

Ion Ratio Lower Upper

91 100

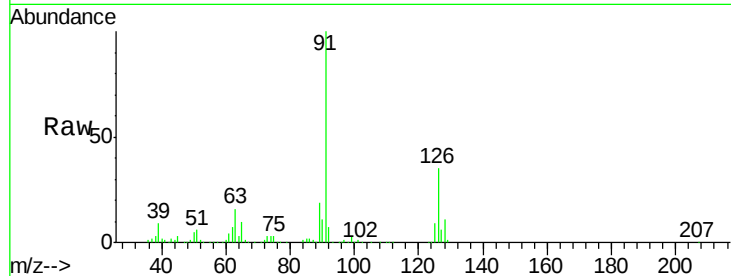
126 36.3 17.8 53.5

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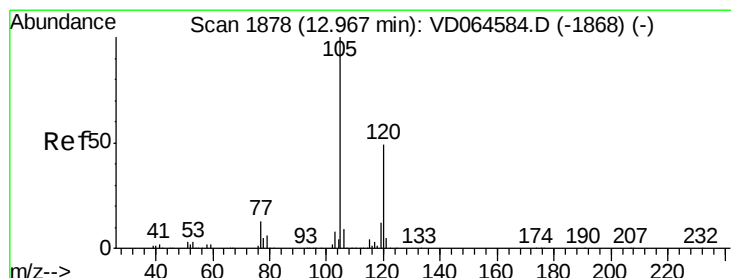
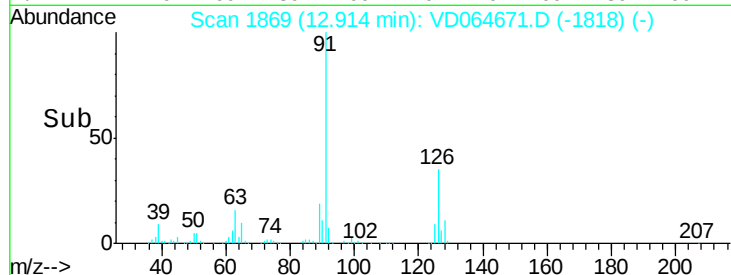
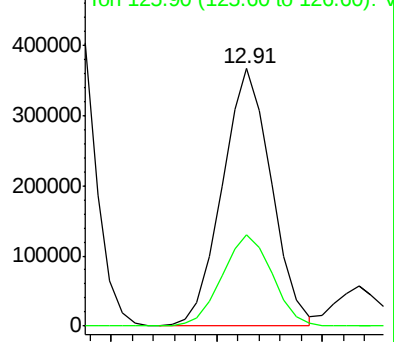
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Abundance Ion 91.00 (90.70 to 91.70): VD064584.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 49.287 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064671.D

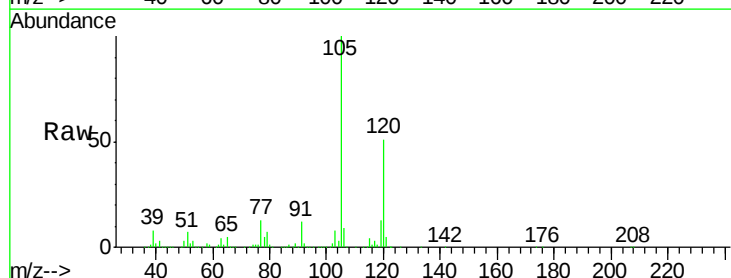
Acq: 30 Dec 2019 11:35

Tgt Ion: 105 Resp: 765808

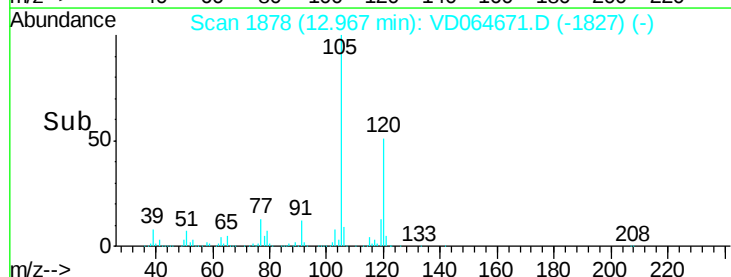
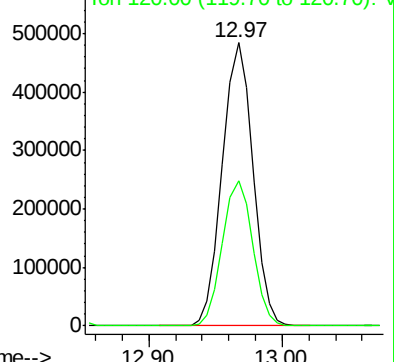
Ion Ratio Lower Upper

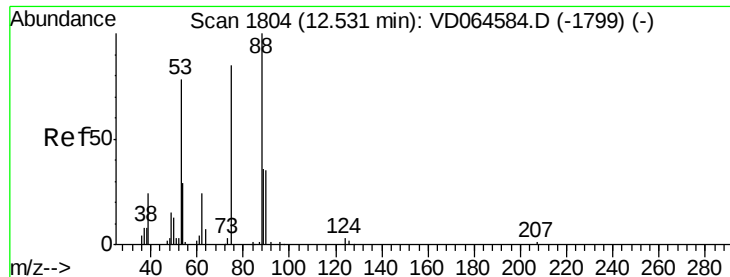
105 100

120 51.0 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VD064584.D (-1868) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 50.619 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD064671.D

Acq: 30 Dec 2019 11:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 50586

Ion Ratio Lower Upper

75 100

53 95.7 78.8 118.2

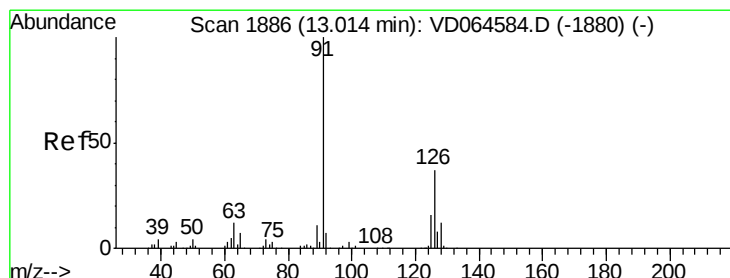
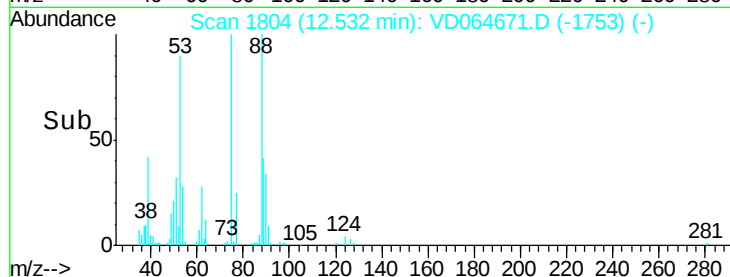
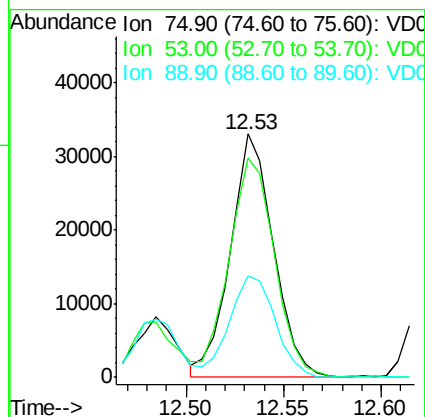
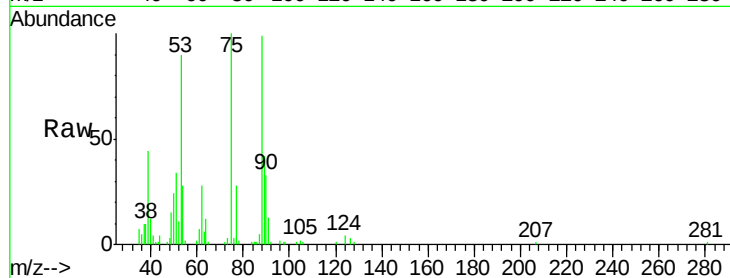
89 43.7 38.3 57.5

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#82

4-Chlorotoluene

Concen: 48.054 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD064671.D

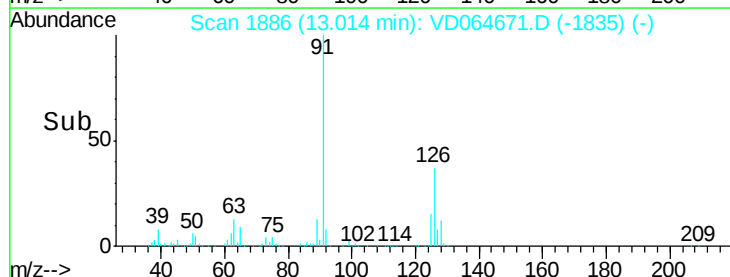
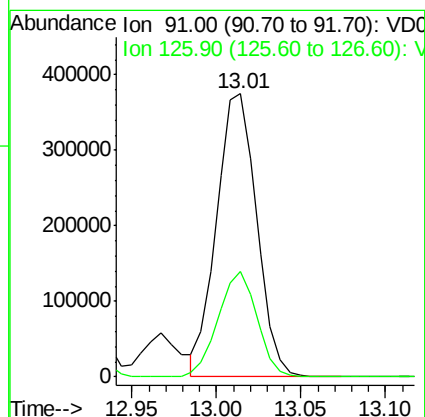
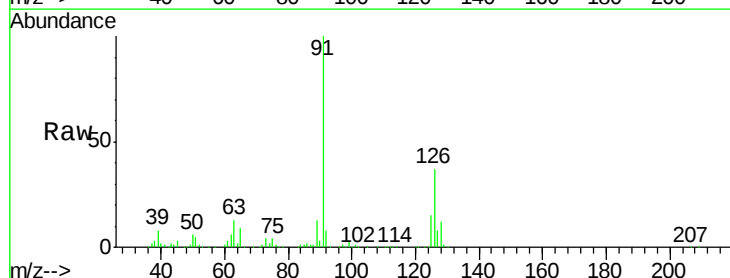
Acq: 30 Dec 2019 11:35

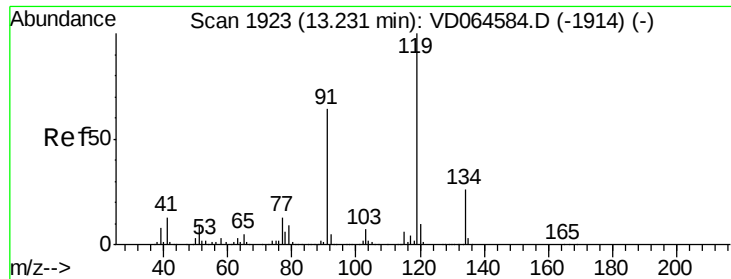
Tgt Ion: 91 Resp: 619908

Ion Ratio Lower Upper

91 100

126 36.2 17.8 53.5





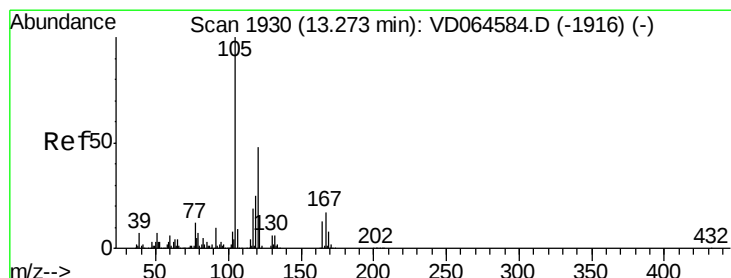
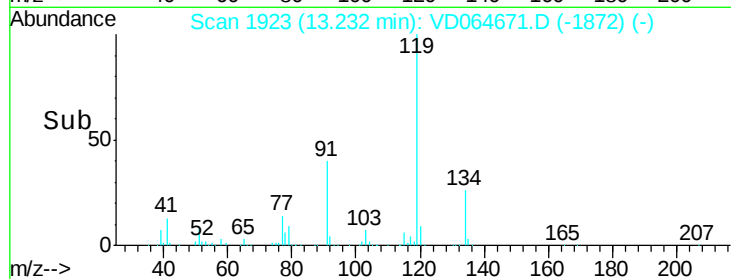
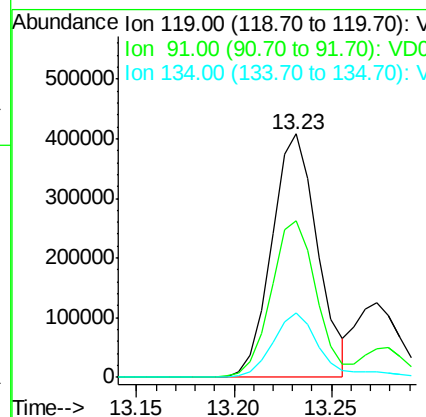
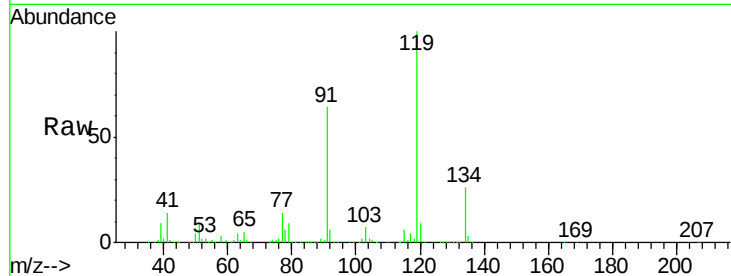
#83
tert-Butylbenzene
Concen: 49.195 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD064671.D
Acq: 30 Dec 2019 11:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.1	30.8	92.4
134	27.5	12.8	38.3

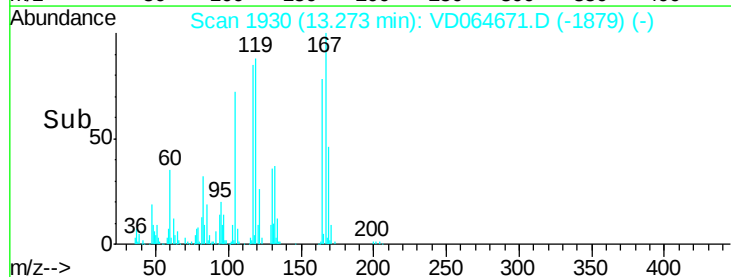
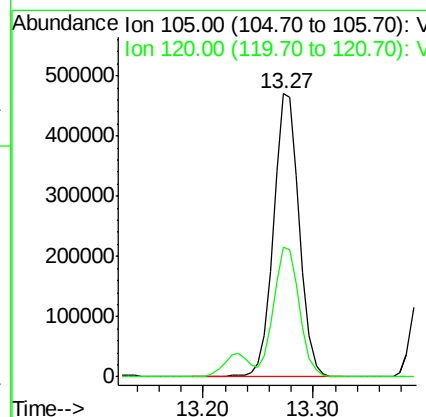
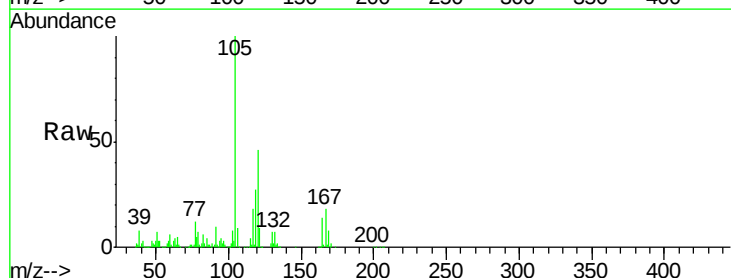
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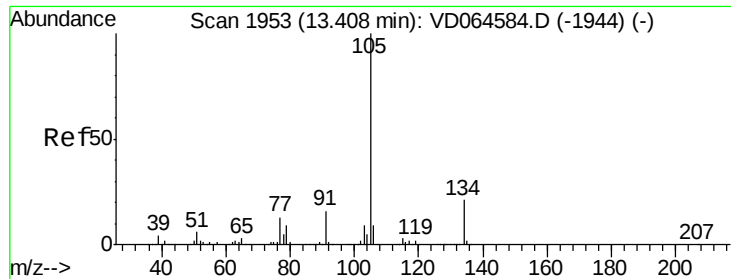
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#84
1,2,4-Trimethylbenzene
Concen: 49.287 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD064671.D
Acq: 30 Dec 2019 11:35

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.7	23.8	71.2





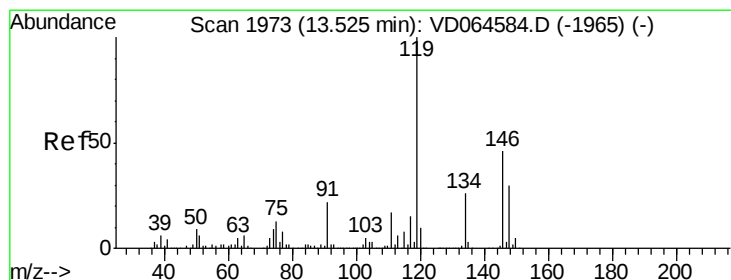
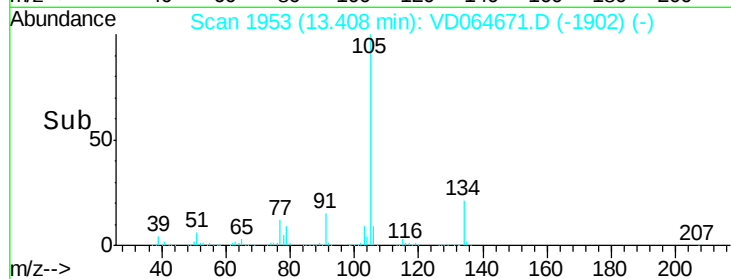
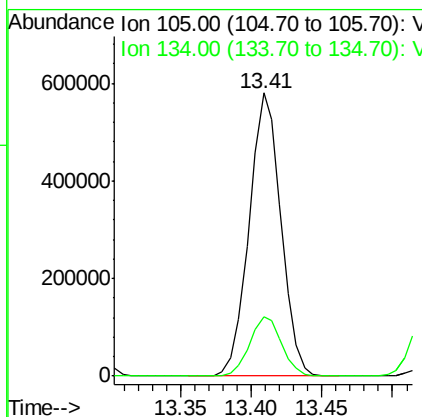
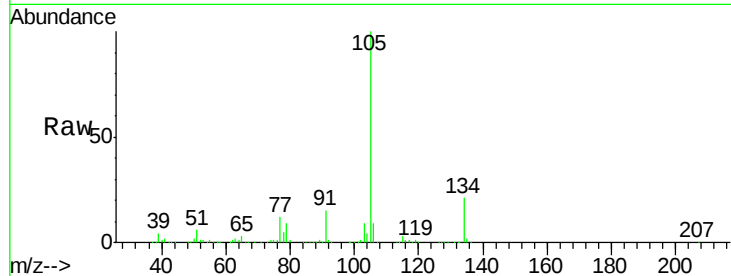
#85
 sec-Butylbenzene
 Concen: 49.635 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD064671.D
 Acq: 30 Dec 2019 11:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.2	10.6	31.8

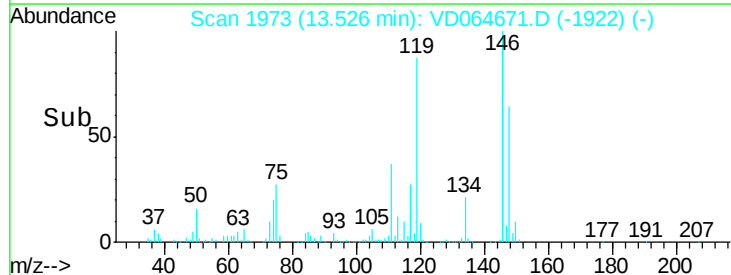
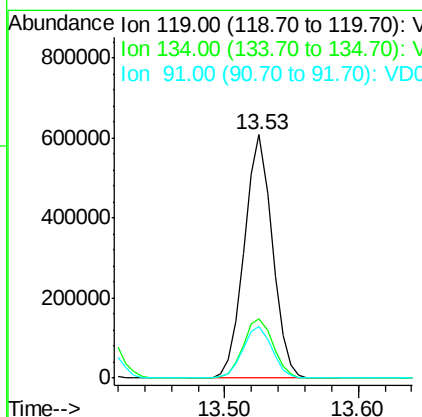
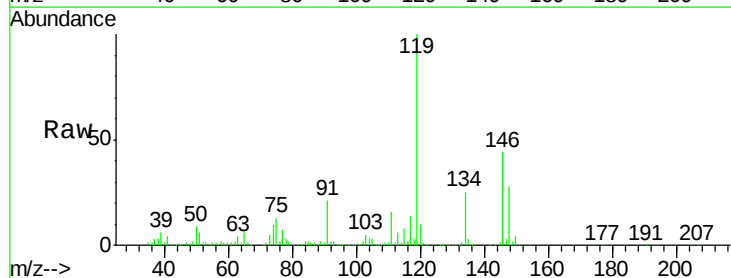
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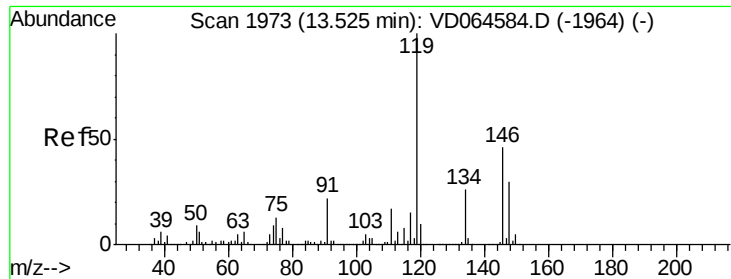
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#86
 p-Isopropyltoluene
 Concen: 49.769 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064671.D
 Acq: 30 Dec 2019 11:35

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.1	13.4	40.1
91	21.9	11.2	33.6





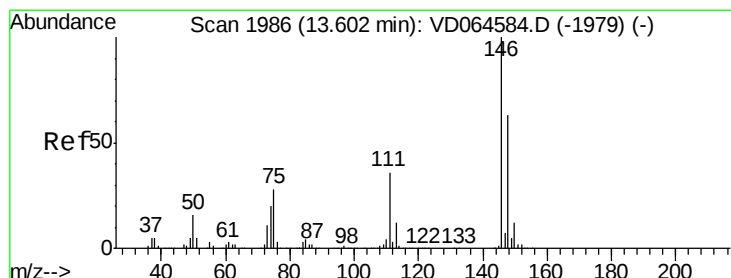
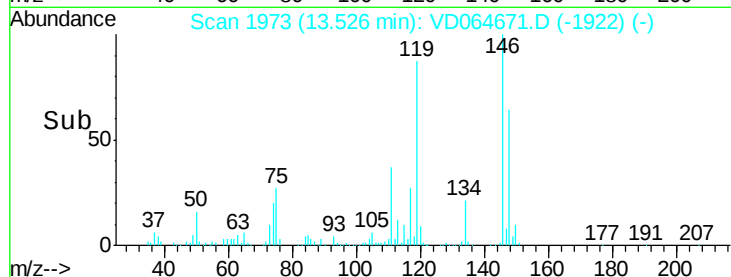
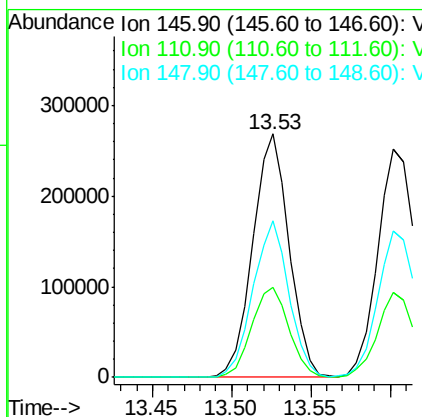
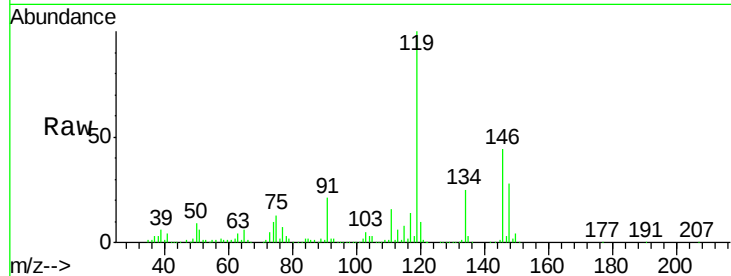
#87
 1,3-Dichlorobenzene
 Concen: 48.312 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064671.D
 Acq: 30 Dec 2019 11:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.8	56.4
148	63.7	32.5	97.5

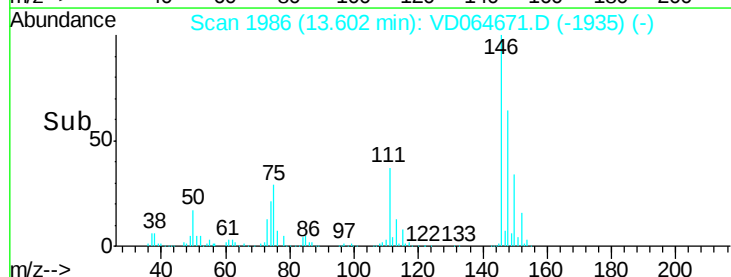
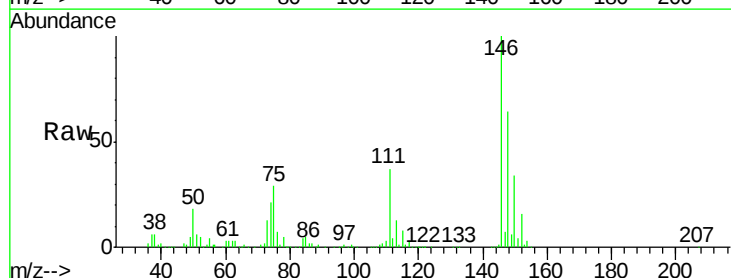
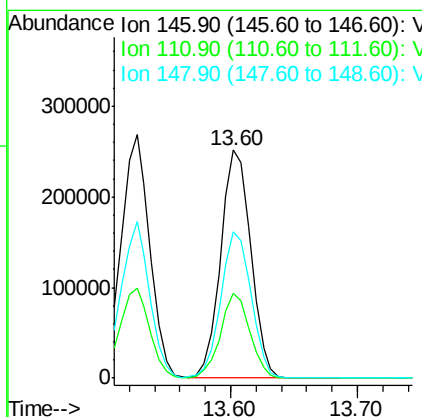
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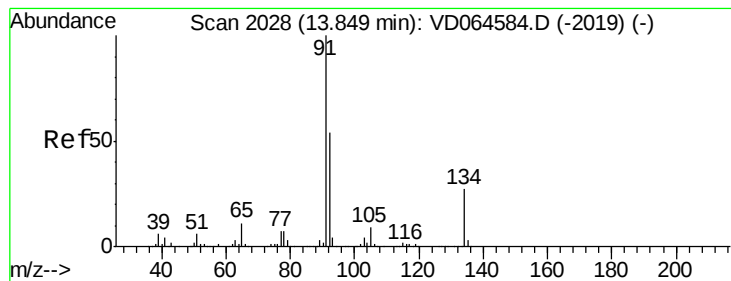
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#88
 1,4-Dichlorobenzene
 Concen: 47.634 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064671.D
 Acq: 30 Dec 2019 11:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.2	18.1	54.1
148	64.6	32.3	96.9





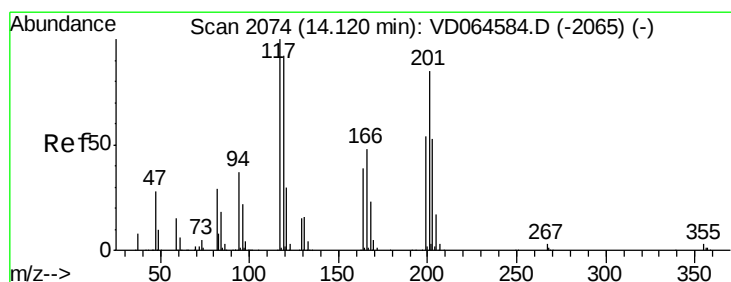
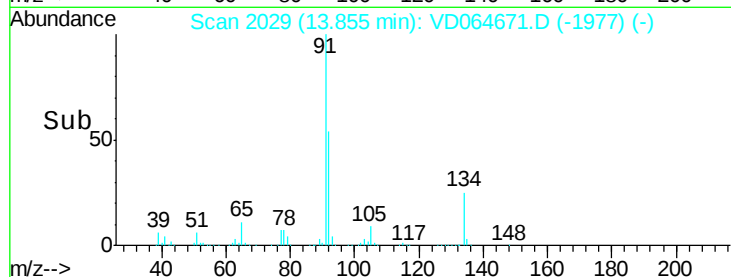
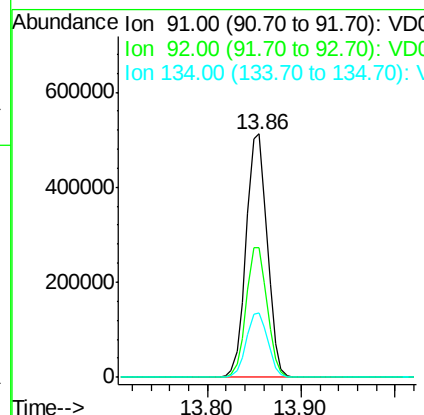
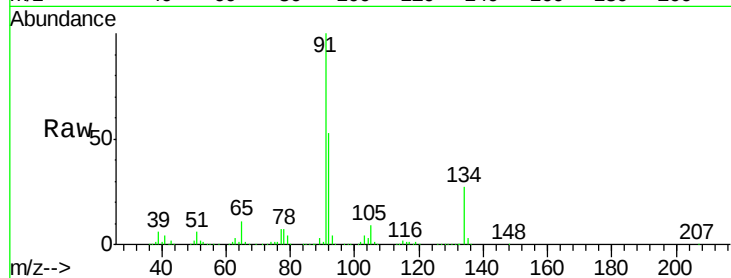
#89
n-Butylbenzene
Concen: 50.000 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD064671.D
Acq: 30 Dec 2019 11:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.5	26.8	80.4	
134	27.0	14.0	41.9	

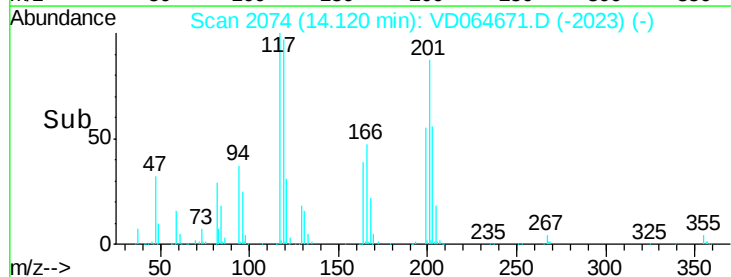
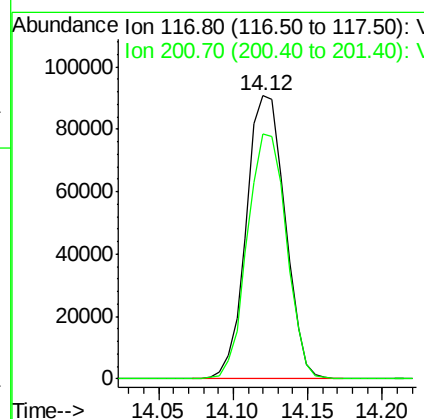
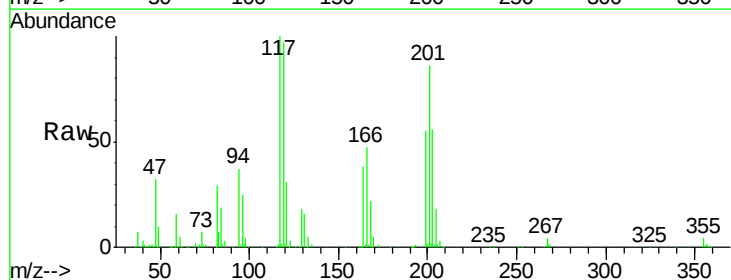
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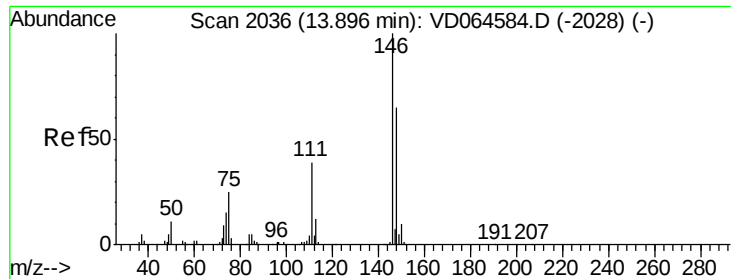
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#90
Hexachloroethane
Concen: 48.285 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064671.D
Acq: 30 Dec 2019 11:35

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	87.0	44.0	131.8	





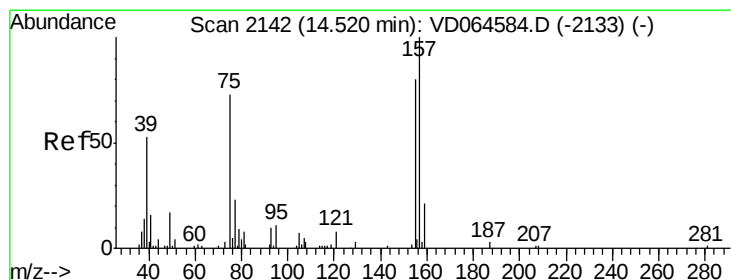
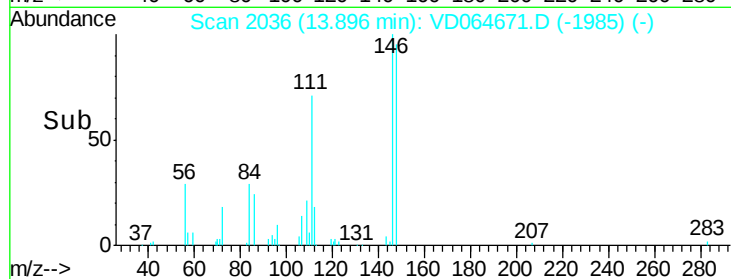
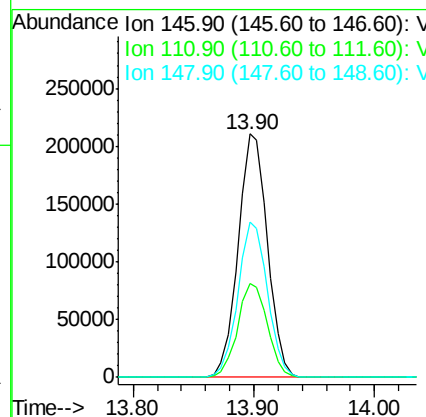
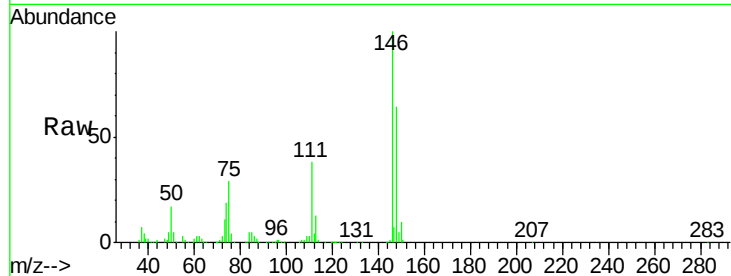
#91
 1,2-Dichlorobenzene
 Concen: 47.162 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064671.D
 Acq: 30 Dec 2019 11:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.3	57.9
148	64.2	31.9	95.5

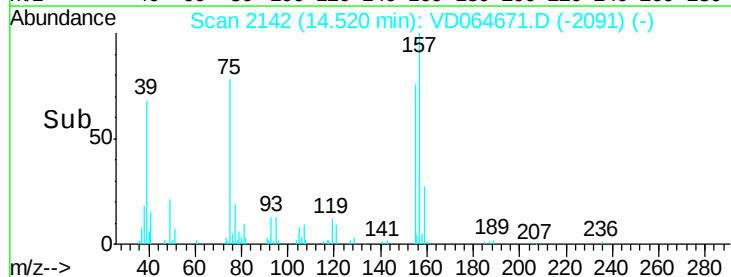
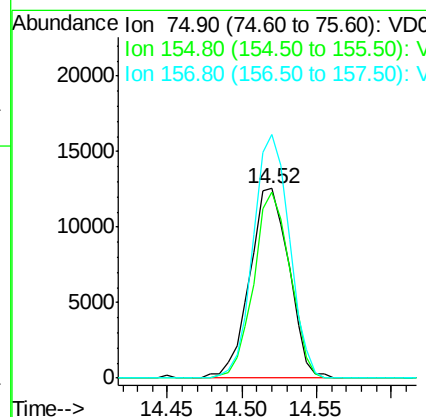
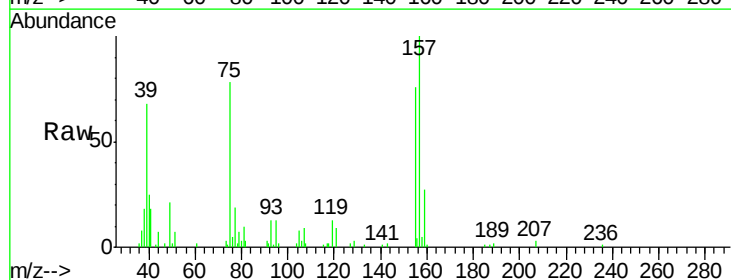
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.387 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD064671.D
 Acq: 30 Dec 2019 11:35

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.7	48.0	144.0
157	118.2	64.1	192.3





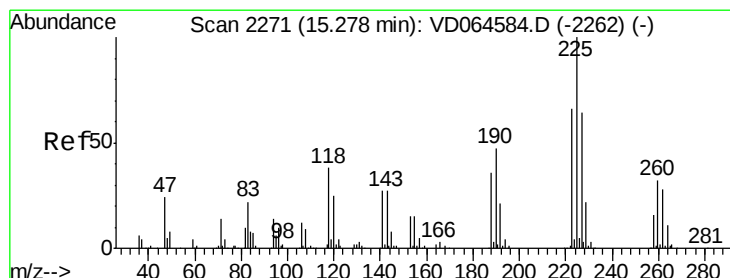
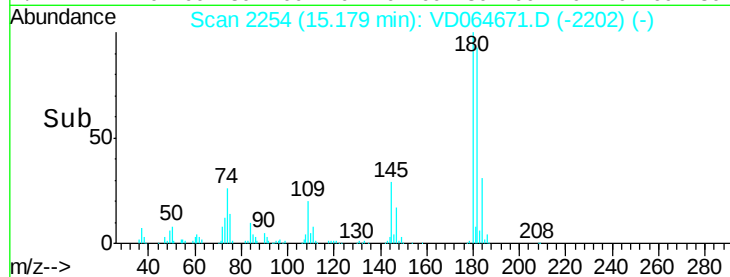
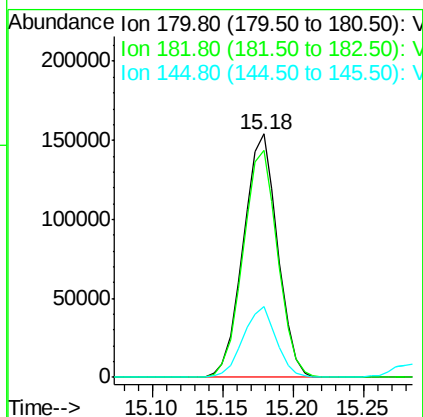
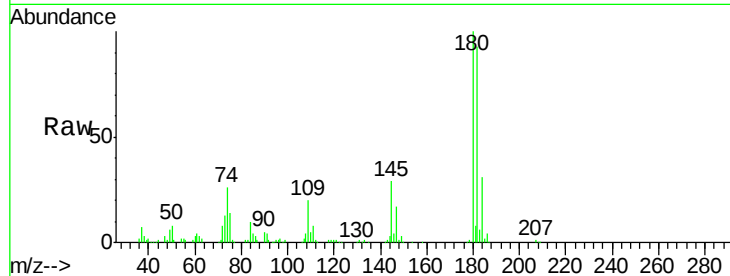
#93
 1,2,4-Trichlorobenzene
 Concen: 47.102 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.01 min
 Lab File: VD064671.D
 Acq: 30 Dec 2019 11:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	262022		
182	94.2	48.0	144.2	
145	28.0	13.8	41.4	

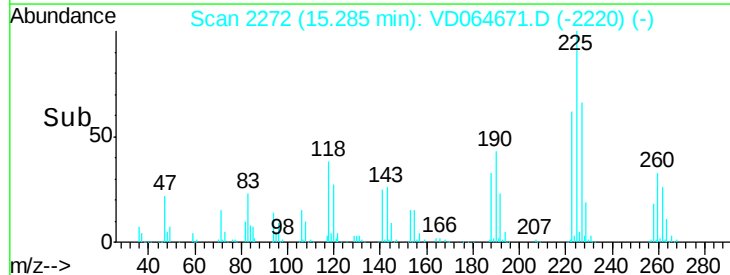
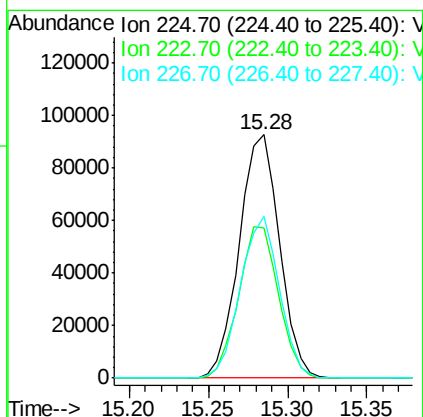
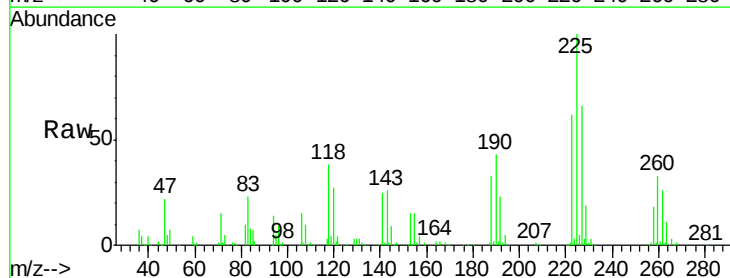
Manual Integrations
 APPROVED

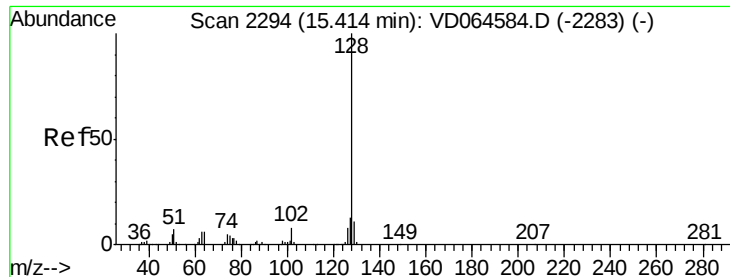
apatel
 12/31/2019 11:47:23 AM



#94
 Hexachlorobutadiene
 Concen: 46.883 ug/l
 RT: 15.28 min Scan# 2272
 Delta R.T. 0.01 min
 Lab File: VD064671.D
 Acq: 30 Dec 2019 11:35

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	164116		
223	61.7	31.1	93.2	
227	64.4	30.9	92.7	





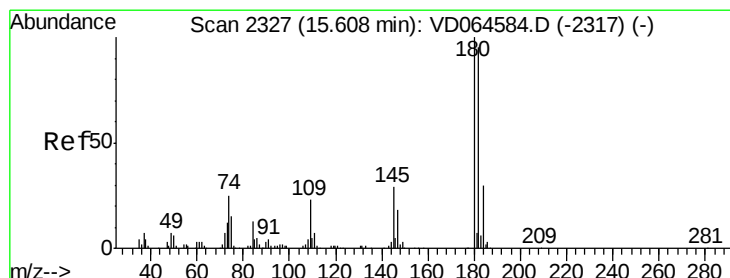
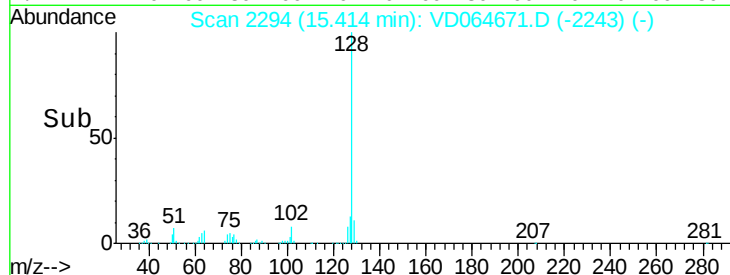
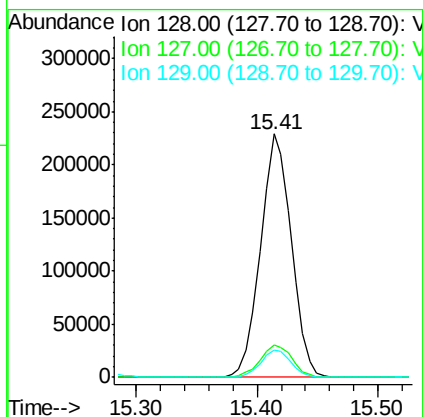
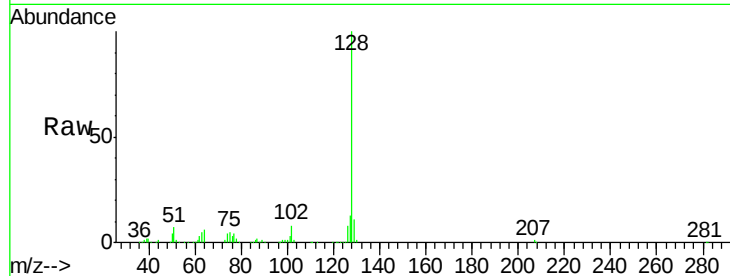
#95
Naphthalene
Concen: 45.795 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064671.D
Acq: 30 Dec 2019 11:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	403012		
127	13.9	10.3	15.5	
129	11.2	8.5	12.7	

Manual Integrations
APPROVED

apatel
12/31/2019 11:47:23 AM



#96
1,2,3-Trichlorobenzene
Concen: 46.235 ug/l
RT: 15.61 min Scan# 2328
Delta R.T. 0.01 min
Lab File: VD064671.D
Acq: 30 Dec 2019 11:35

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	219570		
182	94.6	47.9	143.7	
145	29.8	14.9	44.7	

