

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111919\
 Data File : VD064283.D
 Acq On : 19 Nov 2019 12:03
 Operator : VA/SY
 Sample : VD1119SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1119SBS01

Manual Integrations
 APPROVED

MMDadoda
 11/20/2019 9:56:52 AM

Quant Time: Nov 20 04:35:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 12 02:43:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	570354	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	821264	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	706012	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	348315	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	238326	50.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.62%	
35) Dibromofluoromethane	7.92	113	242849	51.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.02%	
50) Toluene-d8	10.34	98	912923	51.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.66%	
62) 4-Bromofluorobenzene	12.64	95	297407	48.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	92128	19.476	ug/l	97
3) Chloromethane	2.21	50	107185	21.125	ug/l	99
4) Vinyl Chloride	2.35	62	129009	23.777	ug/l	99
5) Bromomethane	2.76	94	90895	26.529	ug/l	94
6) Chloroethane	2.92	64	86965	25.083	ug/l	96
7) Trichlorofluoromethane	3.27	101	218384	24.825	ug/l	99
8) Diethyl Ether	3.70	74	48732	20.147	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	102173	20.321	ug/l	99
10) Methyl Iodide	4.29	142	101779	19.044	ug/l	98
11) Tert butyl alcohol	5.26	59	34734	106.015	ug/l #	84
12) 1,1-Dichloroethene	4.06	96	98682	20.591	ug/l	98
13) Acrolein	3.92	56	21355	77.047	ug/l	91
14) Allyl chloride	4.71	41	156587	18.479	ug/l	94
15) Acrylonitrile	5.43	53	111091	107.733	ug/l	100
16) Acetone	4.17	43	87899	79.099	ug/l	99
17) Carbon Disulfide	4.40	76	277379	18.585	ug/l	97
18) Methyl Acetate	4.73	43	67893	21.874	ug/l	96
19) Methyl tert-butyl Ether	5.49	73	230623	20.157	ug/l	96
20) Methylene Chloride	4.96	84	107491	19.149	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	110170	20.290	ug/l	92
22) Diisopropyl ether	6.37	45	303745	19.319	ug/l	99
23) Vinyl Acetate	6.31	43	873352	99.653	ug/l	98
24) 1,1-Dichloroethane	6.26	63	185087	20.275	ug/l	97
25) 2-Butanone	7.22	43	137751	95.948	ug/l	98
26) 2,2-Dichloropropane	7.21	77	170457	19.040	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	116672	20.037	ug/l	98
28) Bromochloromethane	7.55	49	52655	16.568	ug/l	98
29) Tetrahydrofuran	7.57	42	91030	105.531	ug/l	94
30) Chloroform	7.71	83	201922	21.624	ug/l	98
31) Cyclohexane	7.99	56	172568	18.744	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	181921	20.346	ug/l	98
36) 1,1-Dichloropropene	8.11	75	150272	19.826	ug/l	99
37) Ethyl Acetate	7.30	43	62958	19.703	ug/l	96
38) Carbon Tetrachloride	8.10	117	159964	19.724	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	183934	19.178	ug/l	96
40) Benzene	8.36	78	410985	19.840	ug/l	97
41) Methacrylonitrile	7.52	41	32029	15.948	ug/l #	75
42) 1,2-Dichloroethane	8.43	62	124368	19.990	ug/l	99
43) Isopropyl Acetate	8.46	43	130951	19.890	ug/l	100
44) Trichloroethene	9.11	130	124204	19.977	ug/l	96
45) 1,2-Dichloropropane	9.39	63	100256	19.884	ug/l	94
46) Dibromomethane	9.48	93	56731	21.017	ug/l	98
47) Bromodichloromethane	9.67	83	145979	20.077	ug/l	99
48) Methyl methacrylate	9.46	41	59454	18.468	ug/l	89
49) 1,4-Dioxane	9.47	88	13879	428.125	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	322058	102.008	ug/l	100
52) Toluene	10.41	92	272256	19.987	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	138079	18.956	ug/l	95
54) cis-1,3-Dichloropropene	10.09	75	168340	19.805	ug/l	94
55) 1,1,2-Trichloroethane	10.80	97	77005	21.030	ug/l	97
56) Ethyl methacrylate	10.67	69	102415	19.994	ug/l	97
57) 1,3-Dichloropropane	10.95	76	133415	20.891	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	207707	100.104	ug/l	99
59) 2-Hexanone	10.99	43	218772	97.398	ug/l	99
60) Dibromochloromethane	11.14	129	105777	20.702	ug/l	99
61) 1,2-Dibromoethane	11.25	107	77360	21.093	ug/l	100
64) Tetrachloroethene	10.88	164	108810	20.039	ug/l	97
65) Chlorobenzene	11.67	112	289261	20.148	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	110191	20.185	ug/l	100
67) Ethyl Benzene	11.75	91	518226	19.956	ug/l	100
68) m/p-Xylenes	11.86	106	394907	39.673	ug/l	98
69) o-Xylene	12.18	106	182952	19.818	ug/l	98
70) Styrene	12.20	104	325676	20.210	ug/l	98
71) Bromoform	12.37	173	63459	20.426	ug/l #	96
73) Isopropylbenzene	12.48	105	506905	19.827	ug/l	99
74) N-amyl acetate	12.30	43	116430	19.285	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	79848	20.727	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	68082m	24.267	ug/l	
77) Bromobenzene	12.77	156	124120	19.983	ug/l	99
78) n-propylbenzene	12.83	91	579527	19.840	ug/l	100
79) 2-Chlorotoluene	12.91	91	314928	19.097	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	403764	19.220	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	27019	19.130	ug/l	99
82) 4-Chlorotoluene	13.01	91	334368	19.439	ug/l	98
83) tert-Butylbenzene	13.23	119	358950	19.377	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	401045	19.337	ug/l	100
85) sec-Butylbenzene	13.41	105	491624	19.760	ug/l	100
86) p-Isopropyltoluene	13.53	119	450839	19.060	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	229514	19.906	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	222533	19.776	ug/l	97
89) n-Butylbenzene	13.86	91	413025	19.328	ug/l	99
90) Hexachloroethane	14.12	117	83289	19.054	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	199942	20.489	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.52	75	13780	20.006	ug/l	96

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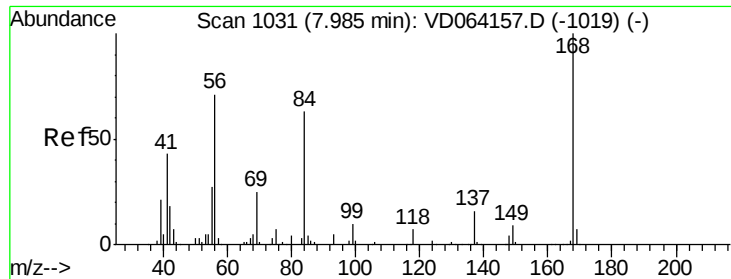
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93) 1,2,4-Trichlorobenzene	15.17	180	150058	19.933	ug/l	98
94) Hexachlorobutadiene	15.28	225	97002	19.950	ug/l	98
95) Naphthalene	15.41	128	265499	21.515	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	129874	20.296	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064283.D

Acq: 19 Nov 2019 12:03

Instrument :

MSVOA_D

ClientSampleId :

VD1119SBS01

Tot Ion:168 Resp: 570354

Ion Ratio Lower Upper

168 100

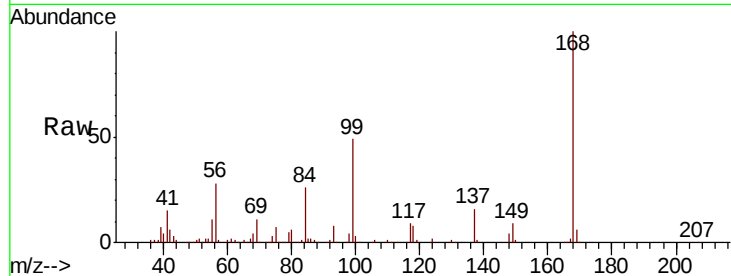
99 48.9 41.6 62.4

Manual Integrations

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11/20/2019 9:56:52 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

250000

200000

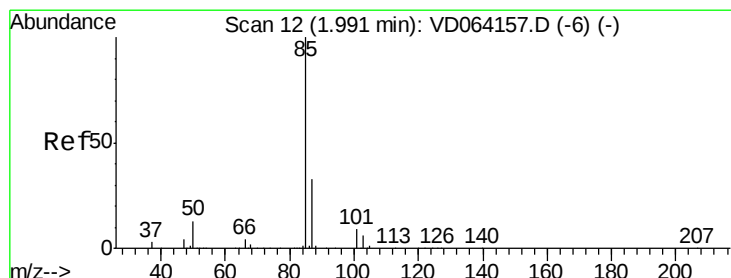
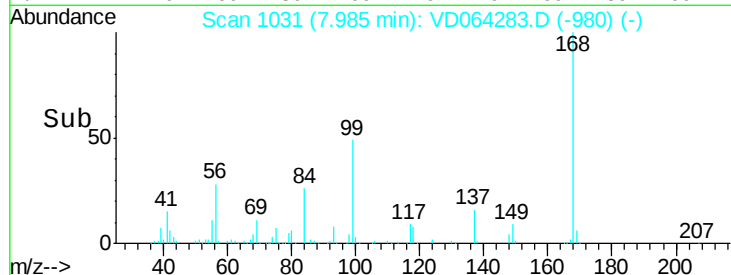
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.476 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064283.D

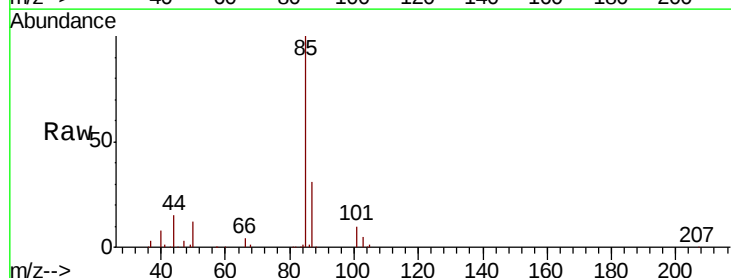
Acq: 19 Nov 2019 12:03

Tgt Ion: 85 Resp: 92128

Ion Ratio Lower Upper

85 100

87 31.1 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

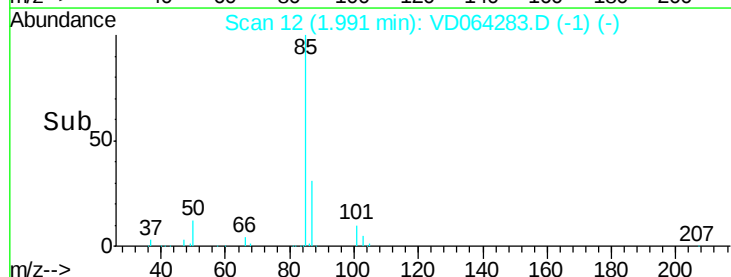
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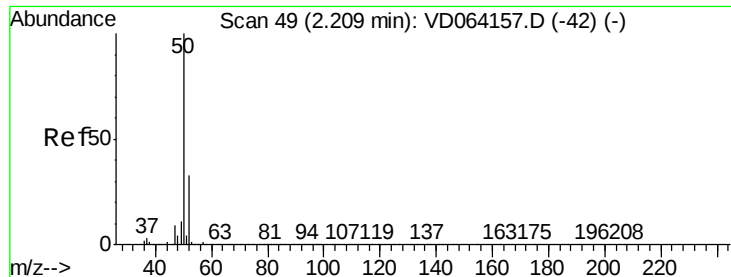
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20000

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Time-->





#3

Chloromethane

Concen: 21.125 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064283.D

Acq: 19 Nov 2019 12:03

Instrument :

MSVOA_D

ClientSampleId :

VD1119SBS01

Tot Ion: 50 Resp: 107185

Ion Ratio Lower Upper

50 100

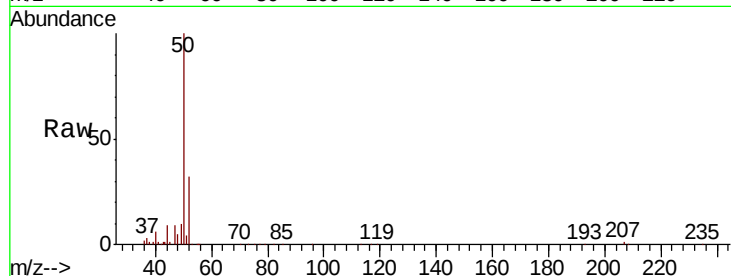
52 32.2 26.2 39.4

Manual Integrations

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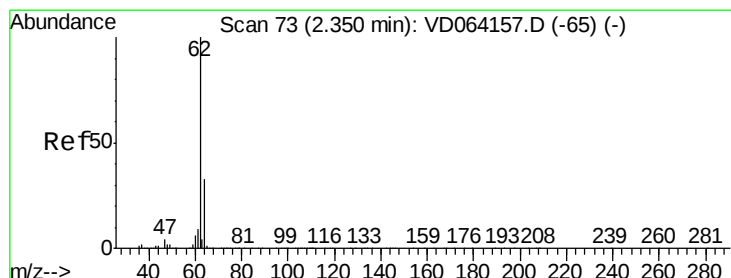
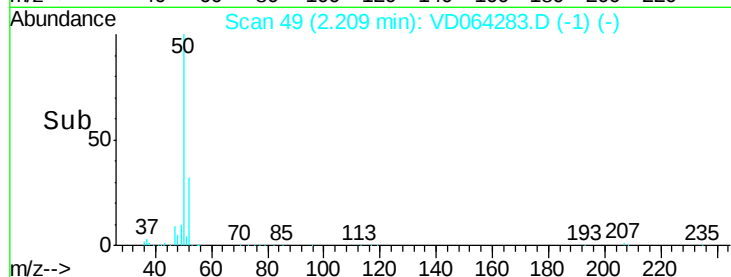
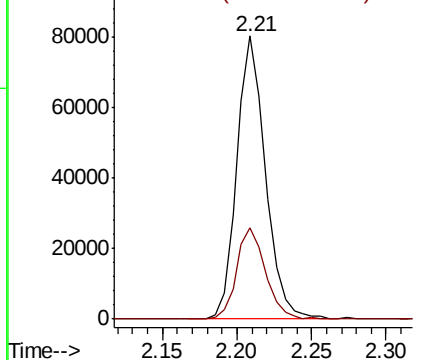
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 23.777 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064283.D

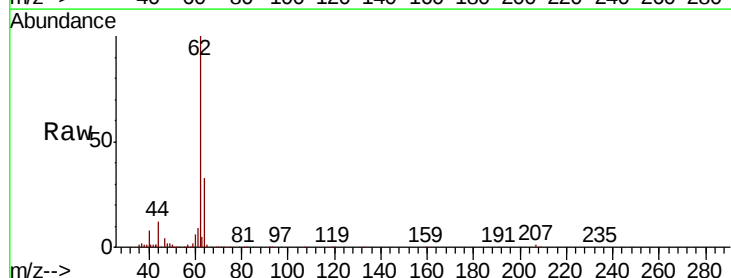
Acq: 19 Nov 2019 12:03

Tgt Ion: 62 Resp: 129009

Ion Ratio Lower Upper

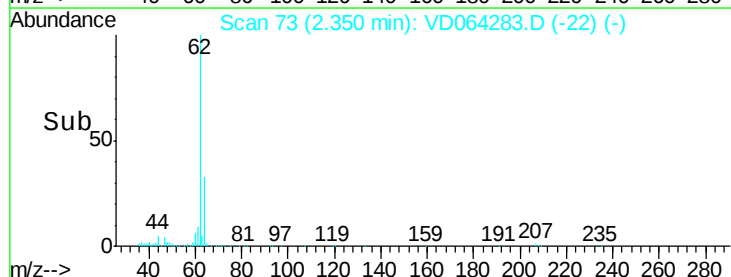
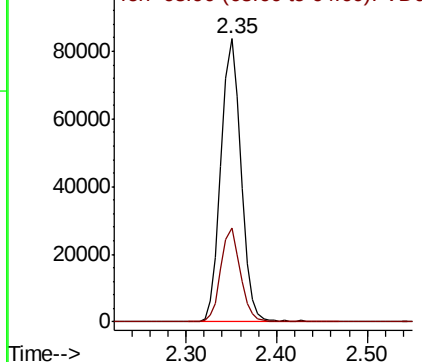
62 100

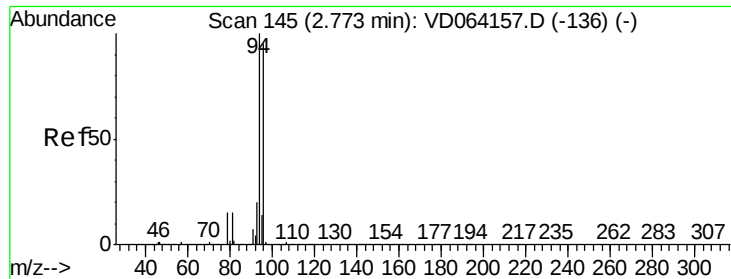
64 33.0 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 26.529 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD064283.D

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VD1119SBSD01

Tot Ion: 94 Resp: 90895

Ion Ratio Lower Upper

94 100

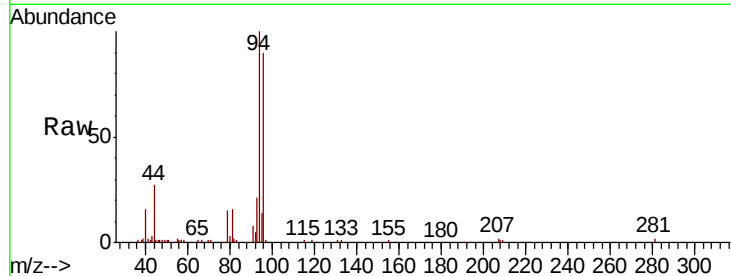
96 89.3 76.2 114.4

Manual Integrations

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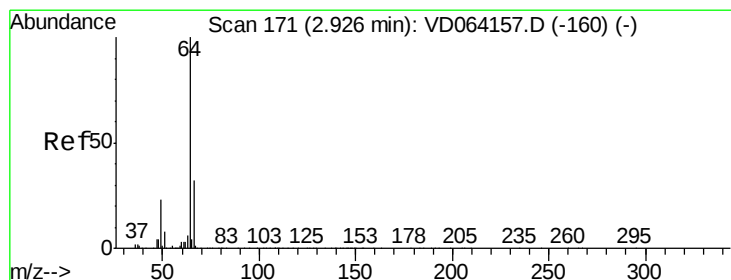
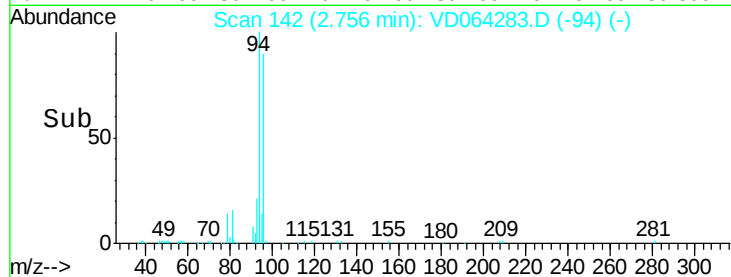
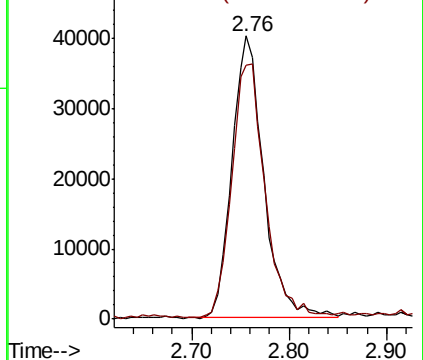
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 25.083 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD064283.D

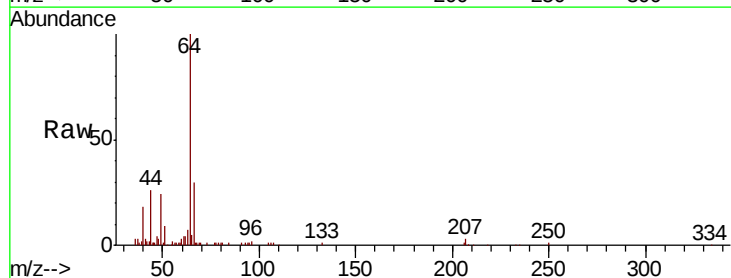
Acq: 19 Nov 2019 12:03

Tgt Ion: 64 Resp: 86965

Ion Ratio Lower Upper

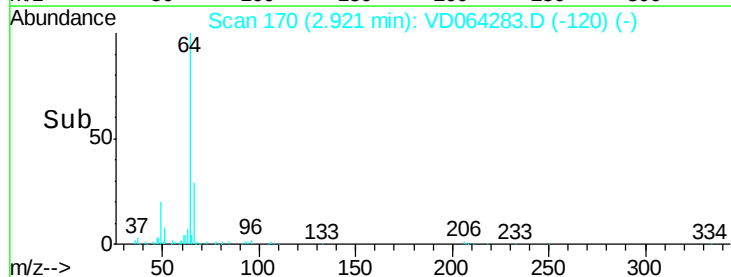
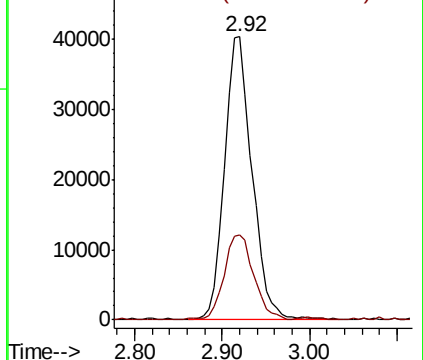
64 100

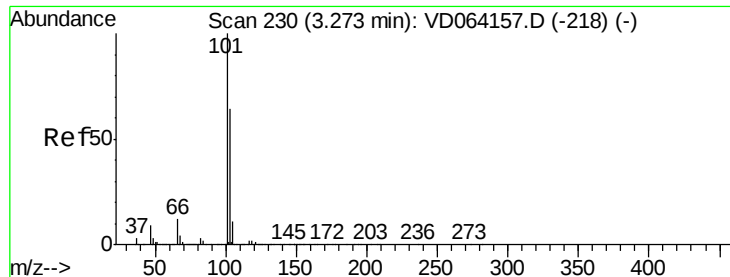
66 29.8 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 24.825 ug/l

RT: 3.27 min Scan# 229

Delta R.T. -0.01 min

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ClientSampleId :

VD1119SBSD01

Tot Ion:101 Resp: 218384

Ion Ratio Lower Upper

101 100

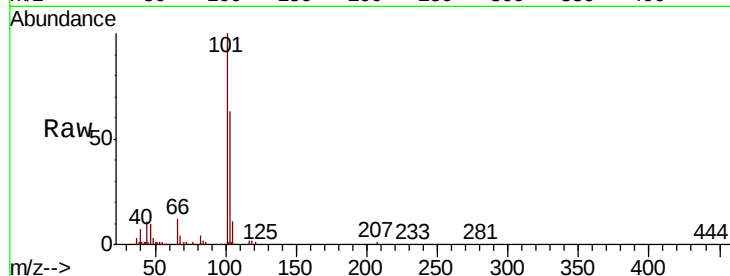
103 63.0 50.8 76.2

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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

3.27

100000

80000

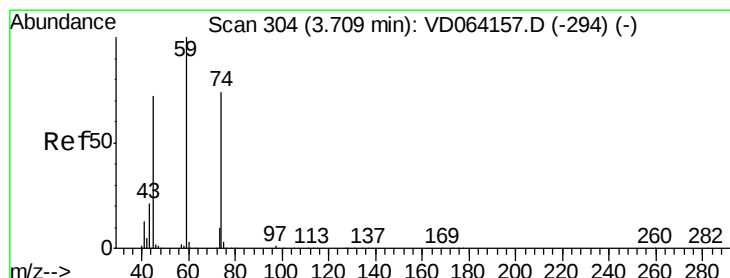
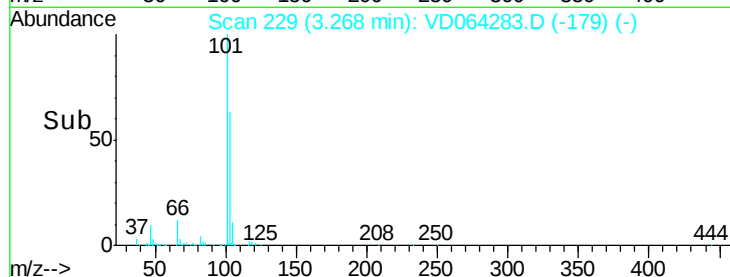
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 20.147 ug/l

RT: 3.70 min Scan# 303

Delta R.T. -0.01 min

Lab File: VD064283.D

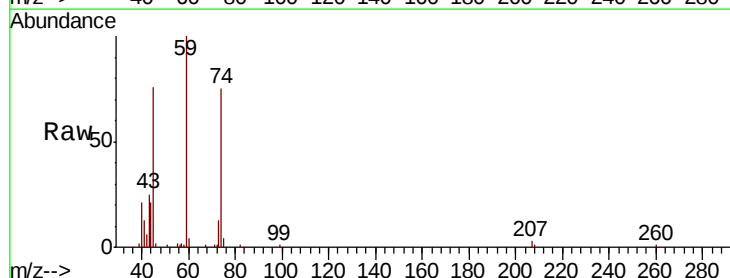
Acq: 19 Nov 2019 12:03

Tgt Ion: 74 Resp: 48732

Ion Ratio Lower Upper

74 100

45 95.8 47.9 143.7



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC

25000

20000

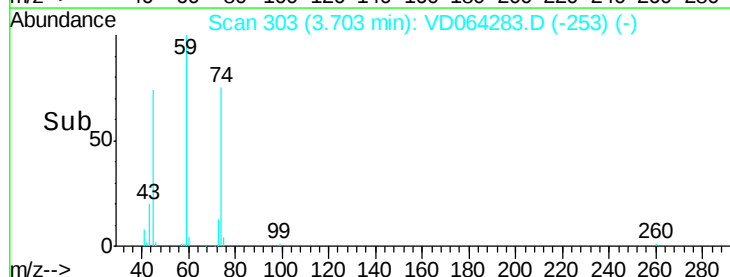
15000

10000

5000

0

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.321 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD064283.D

Acq: 19 Nov 2019 12:03

Instrument :

MSVOA_D

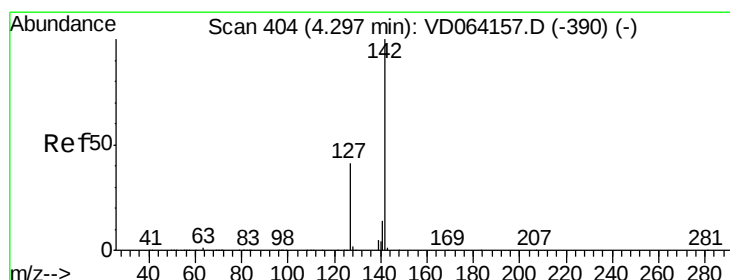
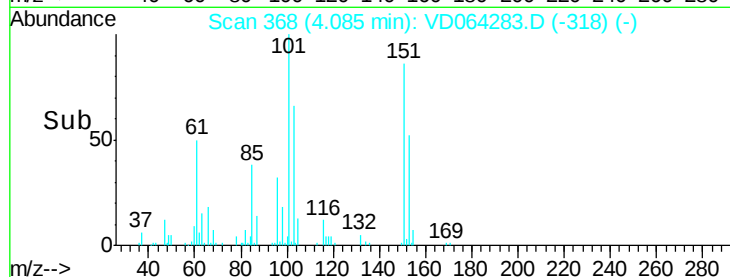
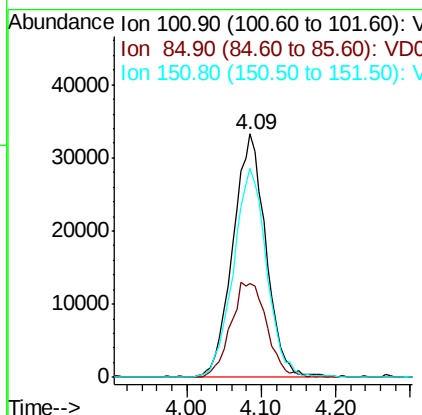
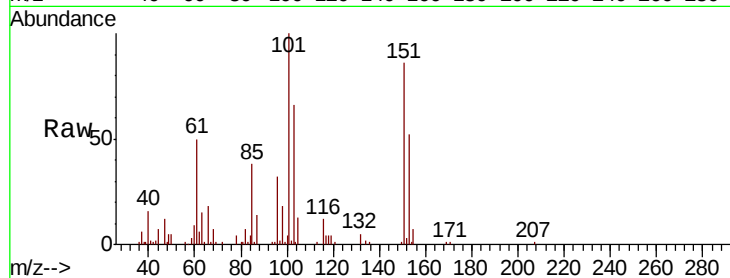
ClientSampleId :

VD1119SBS01

Tot Ion:	101	Resp:	102173
Ion Ratio	Lower	Upper	
101	100		
85	42.5	34.4	51.6
151	86.1	68.1	102.1

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#10

Methyl Iodide

Concen: 19.044 ug/l

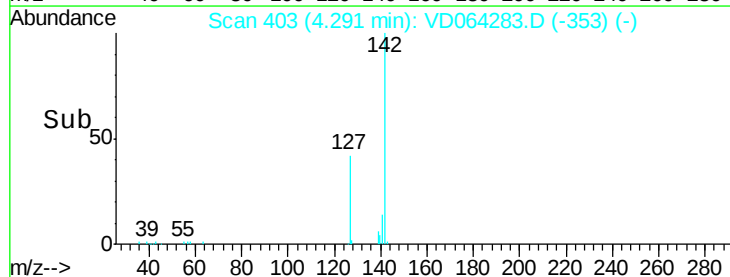
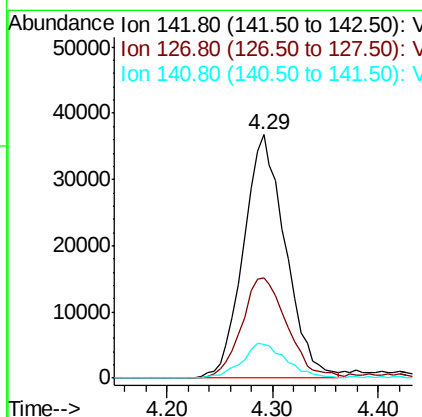
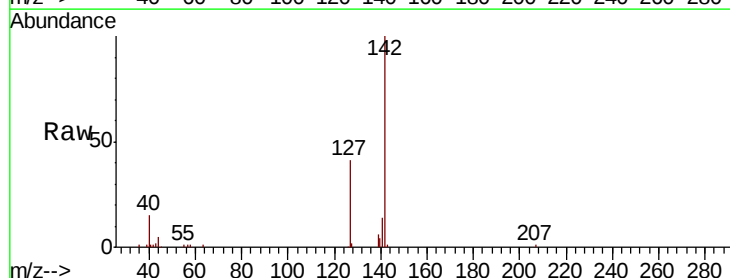
RT: 4.29 min Scan# 403

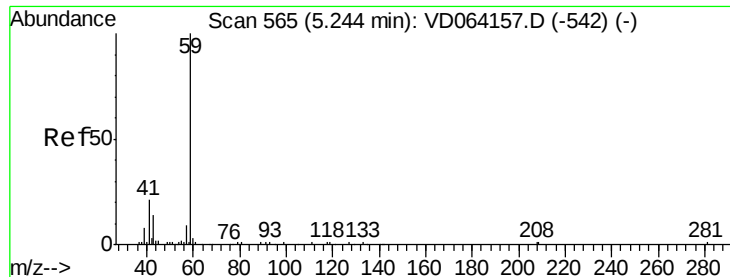
Delta R.T. -0.00 min

Lab File: VD064283.D

Acq: 19 Nov 2019 12:03

Tgt Ion:	142	Resp:	101779
Ion Ratio	Lower	Upper	
142	100		
127	44.3	34.4	51.6
141	15.1	11.2	16.8





#11

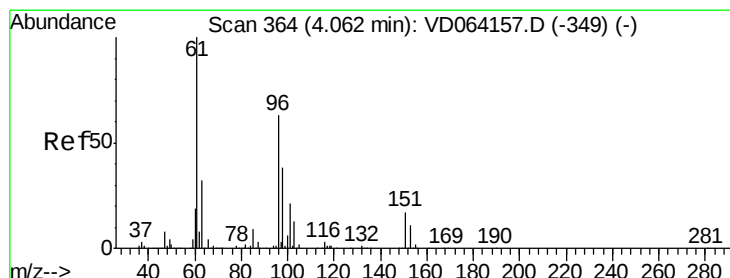
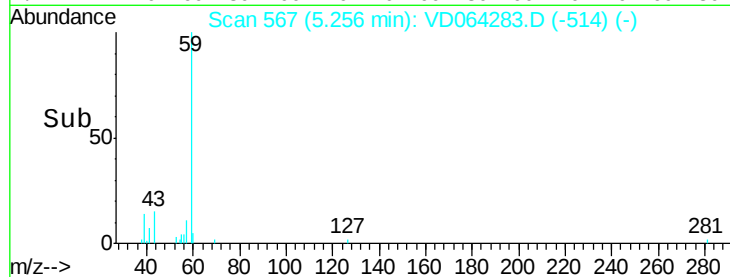
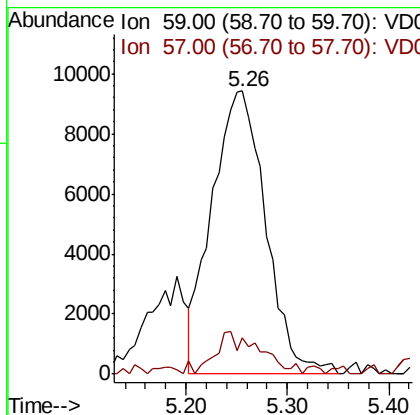
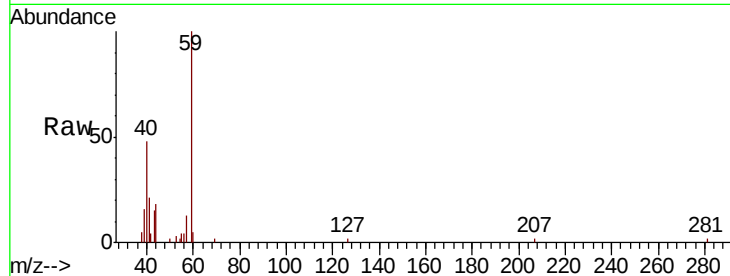
Tert butyl alcohol
 Concen: 106.015 ug/l
 RT: 5.26 min Scan# 567
 Delta R.T. 0.01 min
 Lab File: VD064283.D
 Acq: 19 Nov 2019 12:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1119SBS01

Tot Ion	59	Resp	34734
Ion Ratio	100	Lower	Upper
57	5.7	9.4	14.2#

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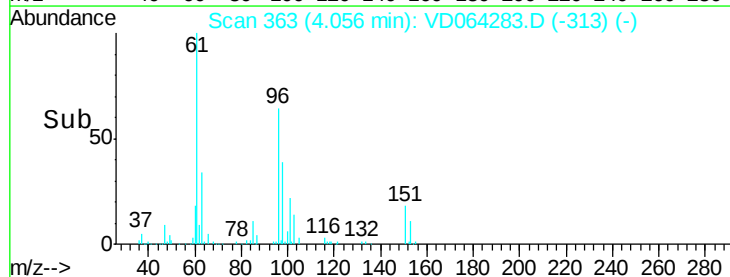
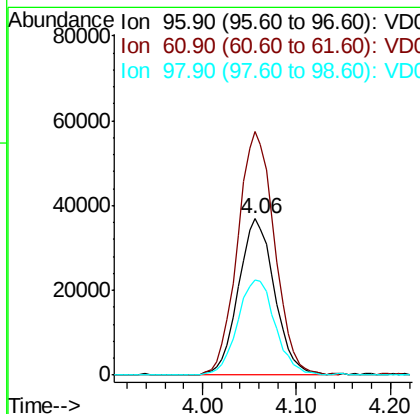
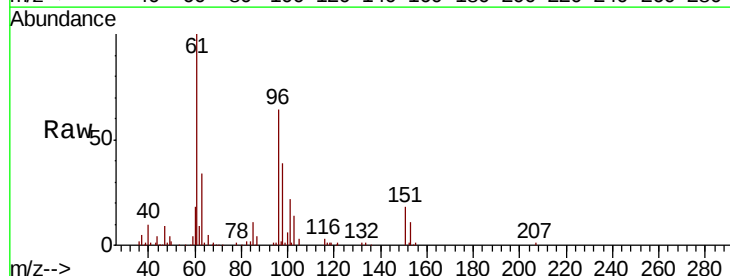
MMDadoda
 11/20/2019 9:56:52 AM

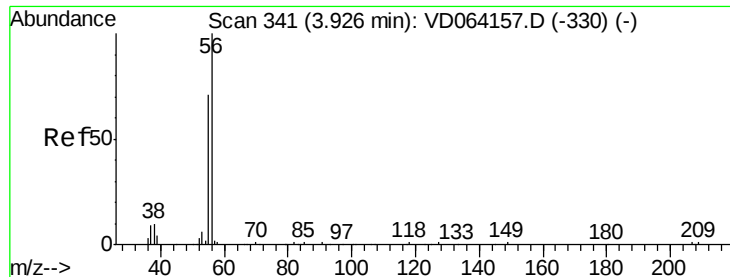


#12

1,1-Dichloroethene
 Concen: 20.591 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. -0.01 min
 Lab File: VD064283.D
 Acq: 19 Nov 2019 12:03

Tgt Ion	96	Resp	98682
Ion Ratio	100	Lower	Upper
61	155.7	127.4	191.2
98	61.2	48.1	72.1





#13

Acrolein

Concen: 77.047 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064283.D

Acq: 19 Nov 2019 12:03

Instrument :

MSVOA_D

ClientSampleId :

VD1119SBS01

Tot Ion: 56 Resp: 21355

Ion Ratio Lower Upper

56 100

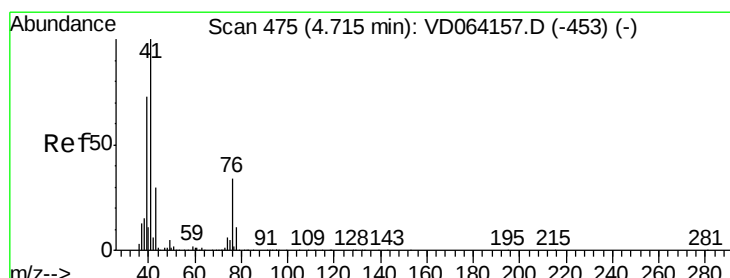
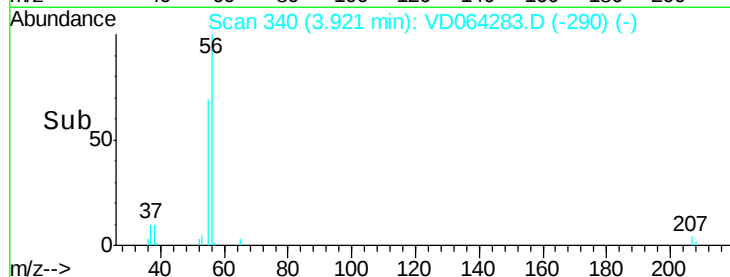
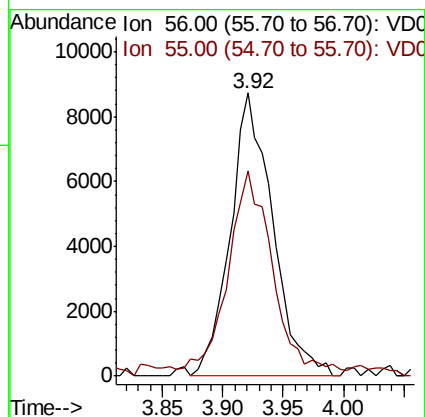
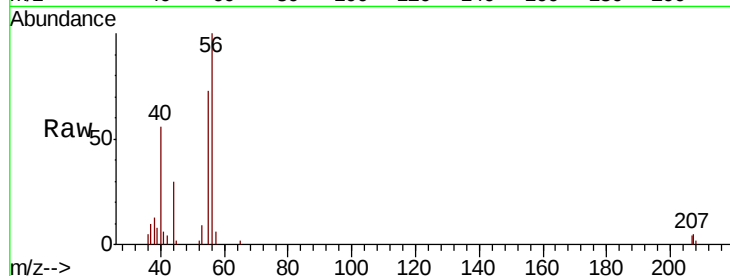
55 77.8 56.1 84.1

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#14

Allyl chloride

Concen: 18.479 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD064283.D

Acq: 19 Nov 2019 12:03

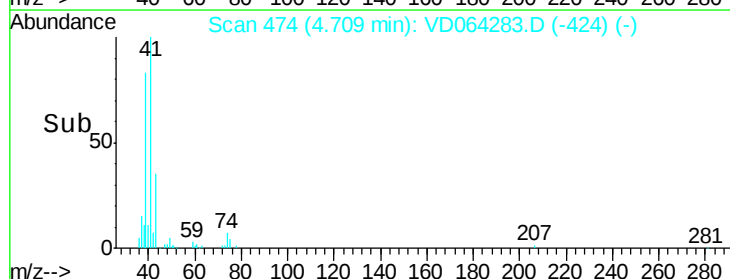
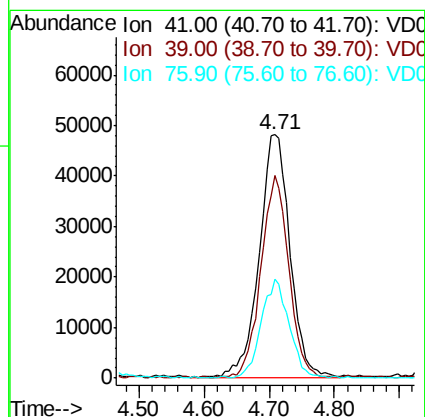
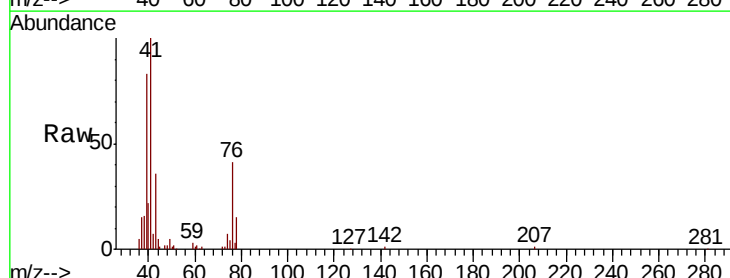
Tgt Ion: 41 Resp: 156587

Ion Ratio Lower Upper

41 100

39 76.4 57.5 86.3

76 37.0 26.8 40.2





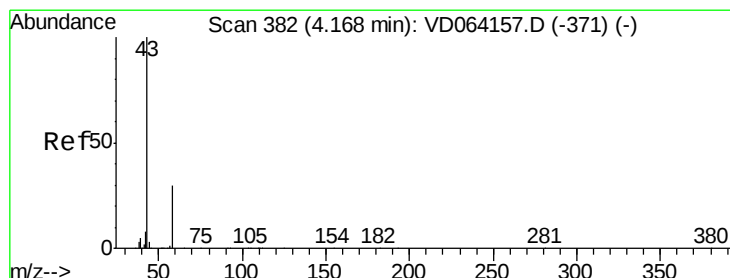
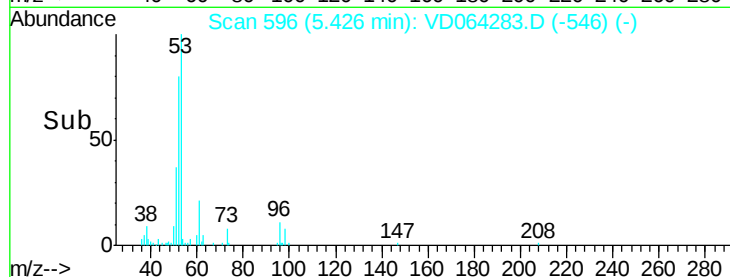
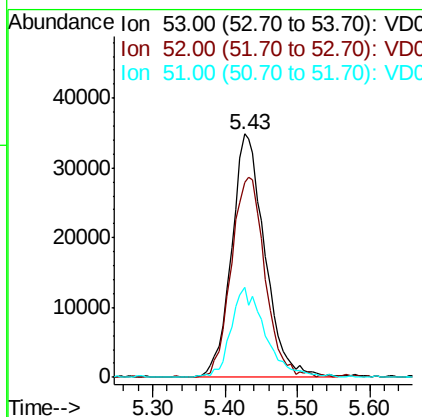
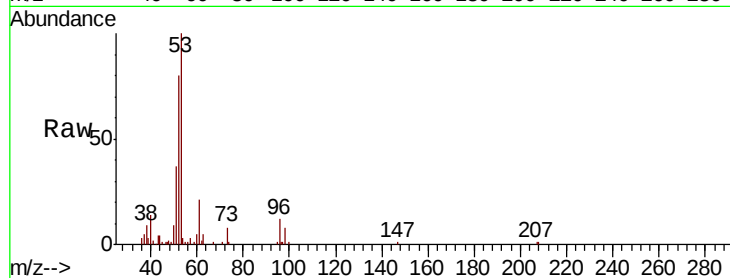
#15
Acrylonitrile
Concen: 107.733 ug/l
RT: 5.43 min Scan# 596
Delta R.T. -0.01 min
Lab File: VD064283.D
Acq: 19 Nov 2019 12:03

Instrument :
MSVOA_D
ClientSampleId :
VD1119SBS01

Tot Ion	Ratio	Lower	Upper
53	100		
52	83.1	66.7	100.1
51	37.9	30.6	46.0

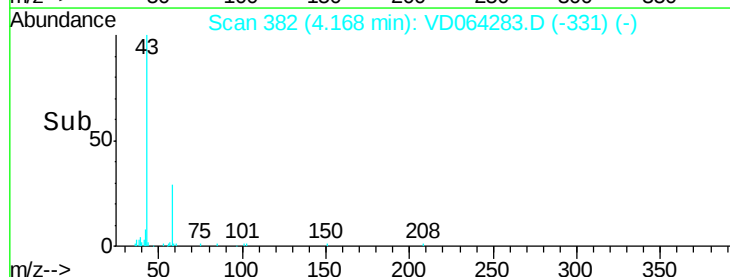
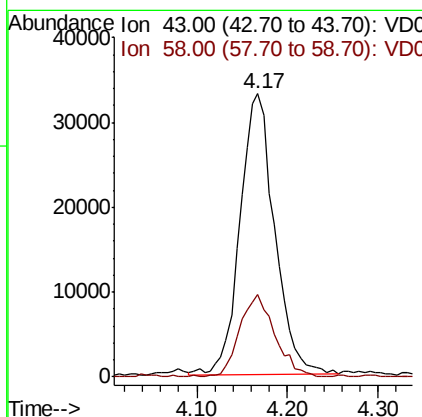
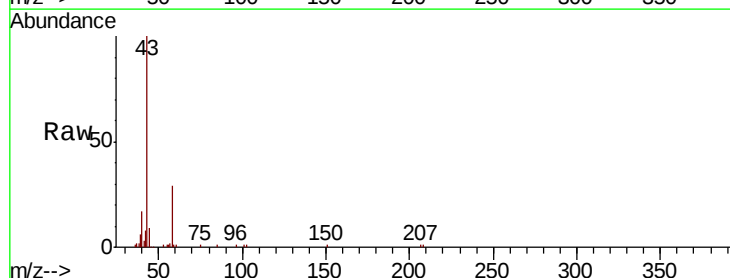
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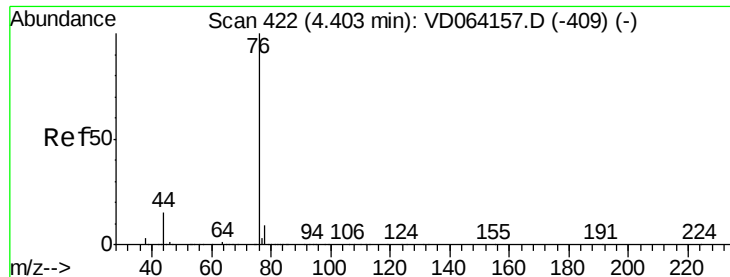
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#16
Acetone
Concen: 79.099 ug/l
RT: 4.17 min Scan# 382
Delta R.T. 0.00 min
Lab File: VD064283.D
Acq: 19 Nov 2019 12:03

Tgt Ion	Ratio	Lower	Upper
43	100		
58	29.6	24.1	36.1





#17

Carbon Disulfide

Concen: 18.585 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD064283.D

Acq: 19 Nov 2019 12:03

Instrument :

MSVOA_D

ClientSampleId :

VD1119SBS01

Tot Ion: 76 Resp: 277379

Ion Ratio Lower Upper

76 100

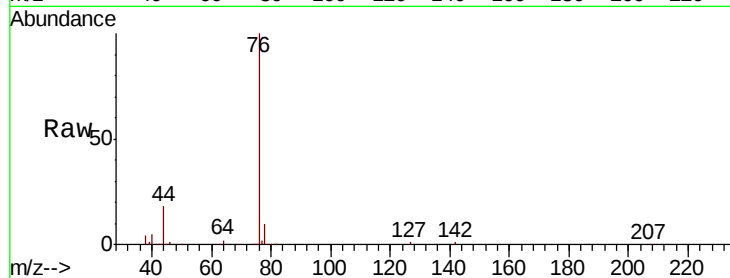
78 10.1 7.2 10.8

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

100000

80000

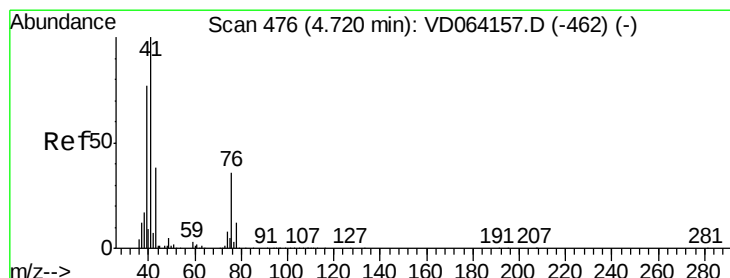
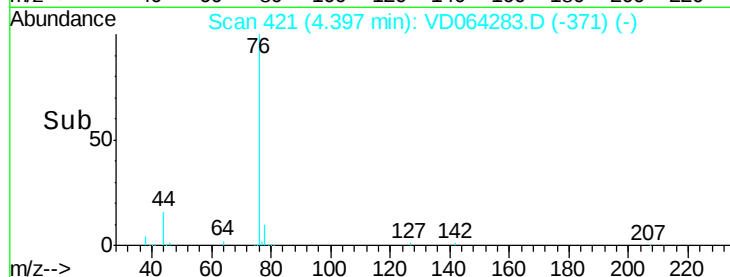
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 21.874 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.01 min

Lab File: VD064283.D

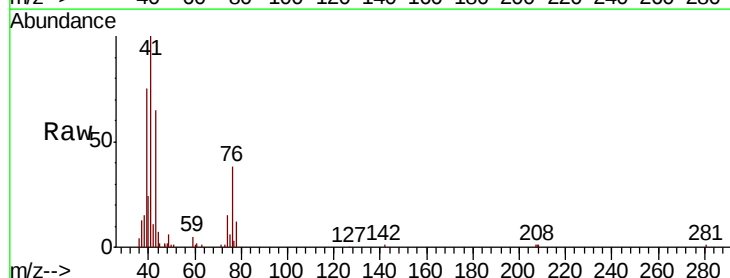
Acq: 19 Nov 2019 12:03

Tgt Ion: 43 Resp: 67893

Ion Ratio Lower Upper

43 100

74 25.2 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.73

25000

20000

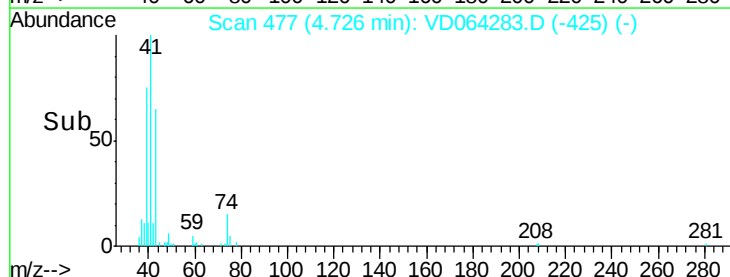
15000

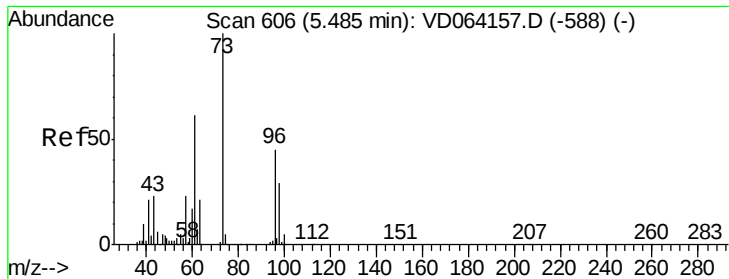
10000

5000

0

Time-->





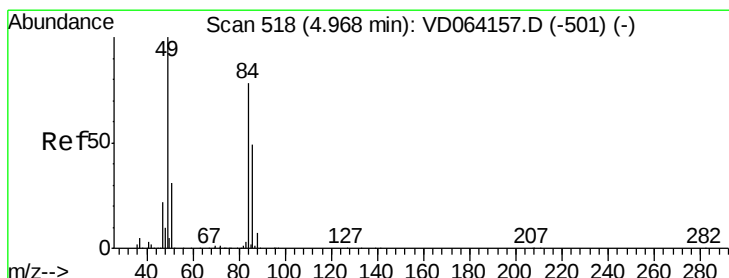
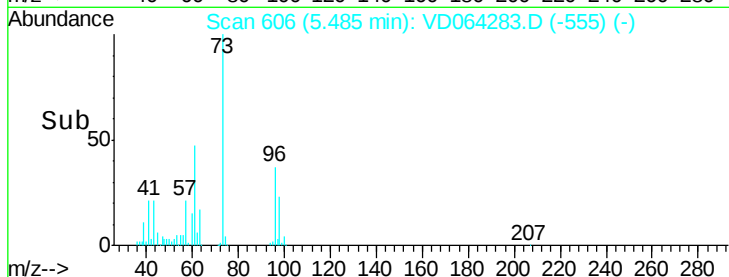
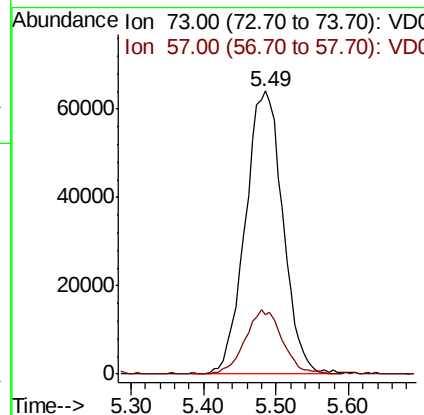
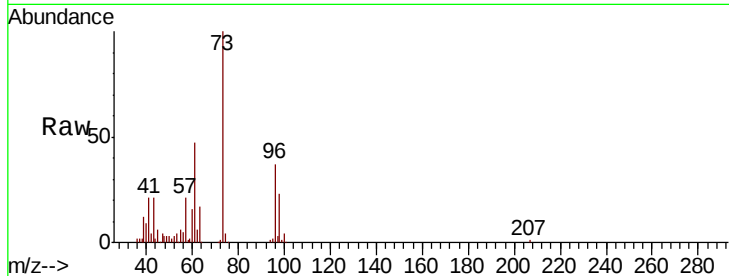
#19
Methvl tert-butvl Ether
Concen: 20.157 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD064283.D
Acq: 19 Nov 2019 12:03

Instrument :
MSVOA_D
ClientSampleId :
VD1119SBS01

Tot Ion: 73 Resp: 230623
Ion Ratio Lower Upper
73 100
57 20.9 18.4 27.6

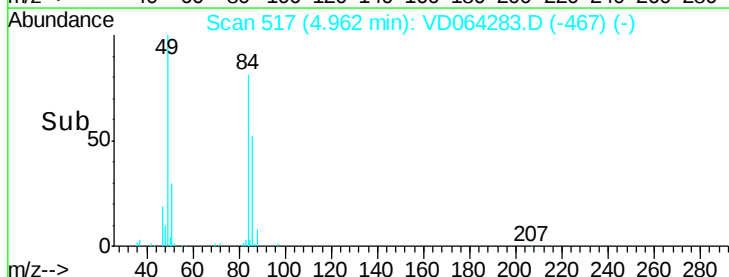
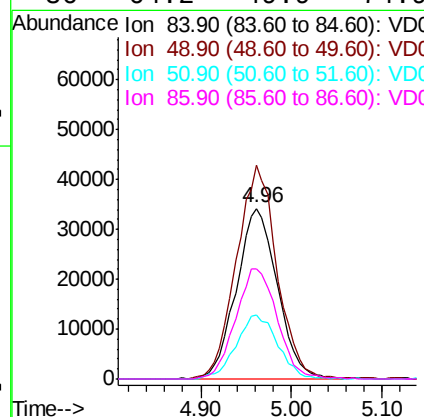
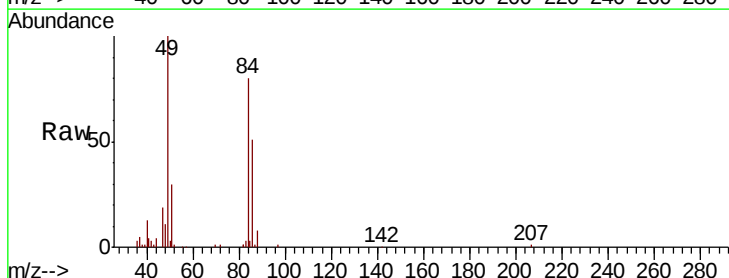
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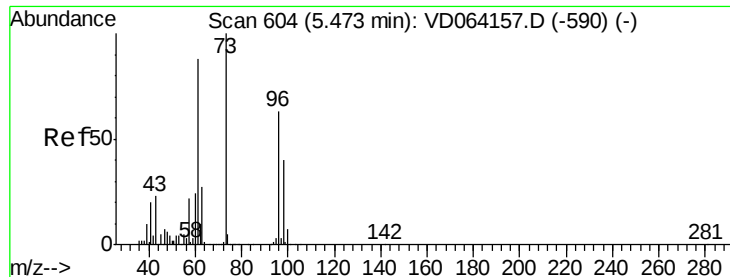
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#20
Methylene Chloride
Concen: 19.149 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD064283.D
Acq: 19 Nov 2019 12:03

Tgt Ion: 84 Resp: 107491
Ion Ratio Lower Upper
84 100
49 124.0 102.1 153.1
51 37.7 32.2 48.2
86 64.2 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 20.290 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064283.D

Acq: 19 Nov 2019 12:03

Instrument :

MSVOA_D

ClientSampleId :

VD1119SBS01

Tot Ion: 96 Resp: 110170

Ion Ratio Lower Upper

96 100

61 126.3 111.8 167.6

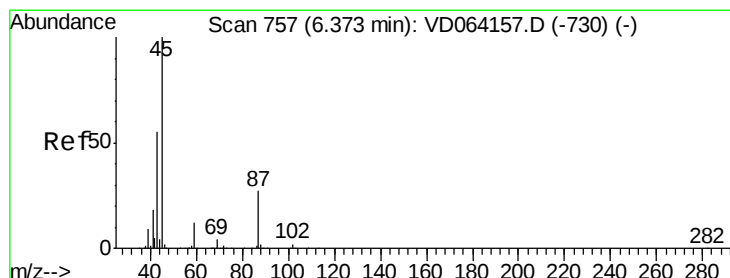
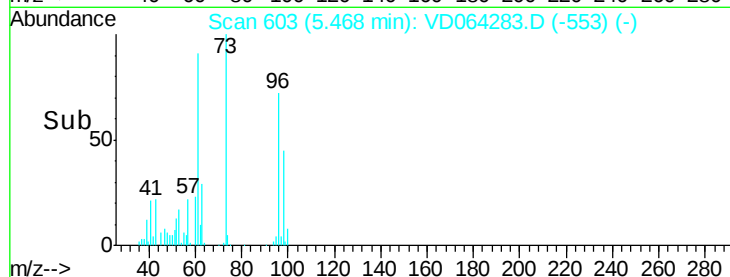
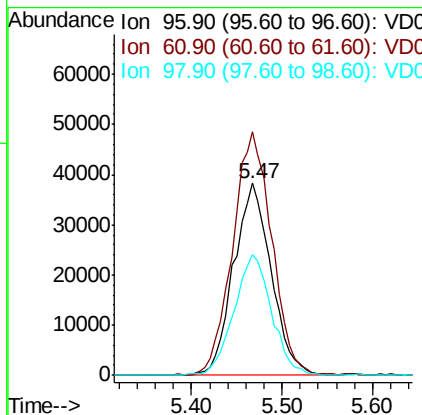
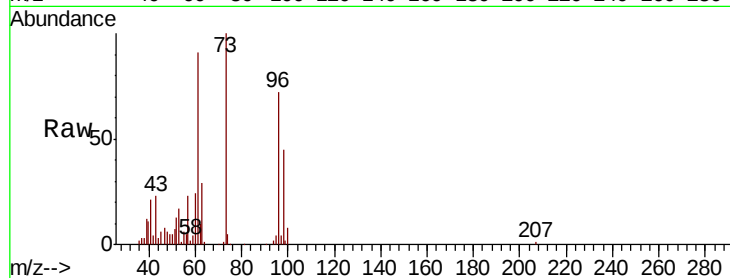
98 62.6 50.3 75.5

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#22

Diisopropyl ether

Concen: 19.319 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064283.D

Acq: 19 Nov 2019 12:03

Tgt Ion: 45 Resp: 303745

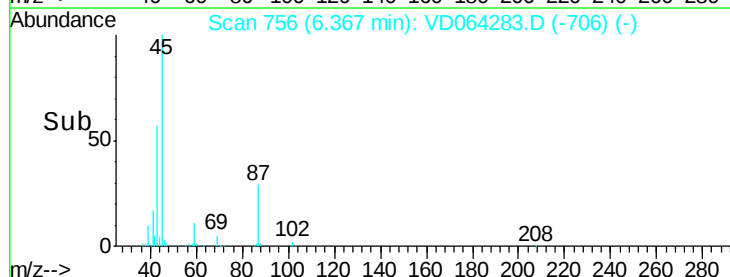
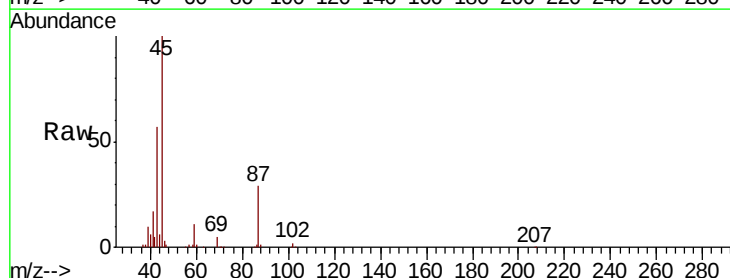
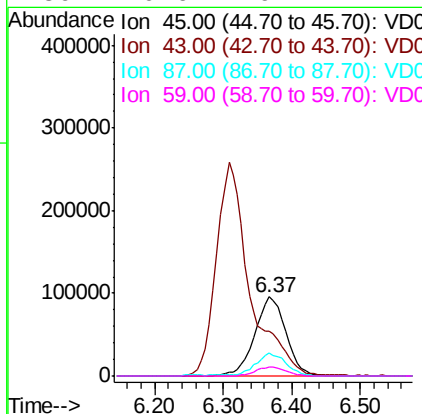
Ion Ratio Lower Upper

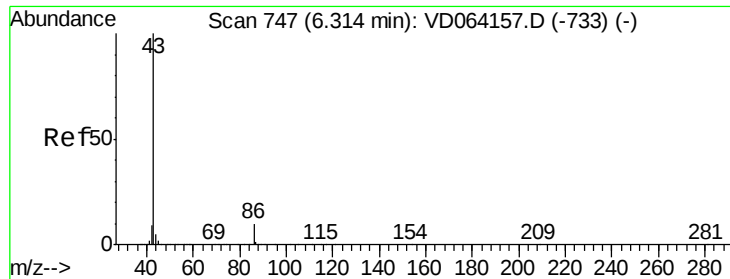
45 100

43 55.9 44.4 66.6

87 28.4 21.9 32.9

59 10.6 9.4 14.2





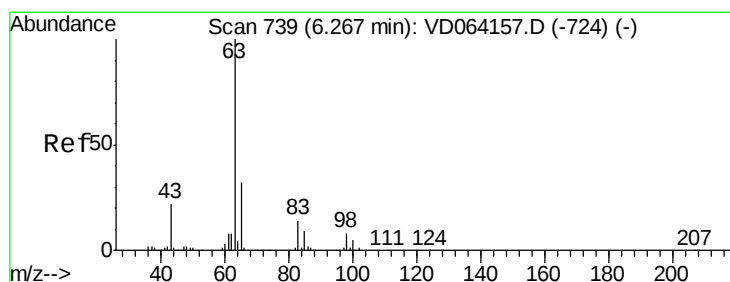
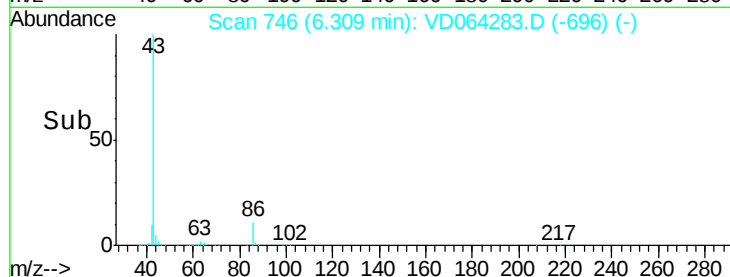
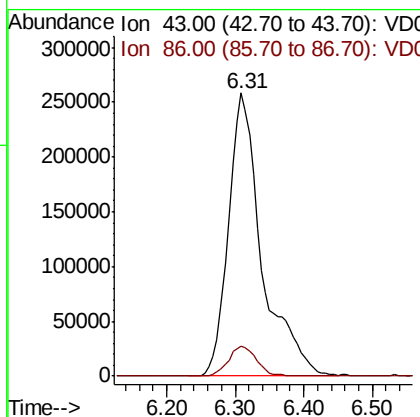
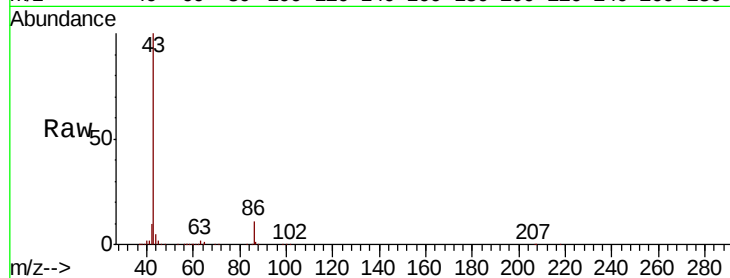
#23
 Vinyl Acetate
 Concen: 99.653 ug/l
 RT: 6.31 min Scan# 746
 Delta R.T. -0.01 min
 Lab File: VD064283.D
 Acq: 19 Nov 2019 12:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1119SBS01

Tot Ion	Ratio	Resp	Lower	Upper
43	100	873352		
86	10.8		8.2	12.2

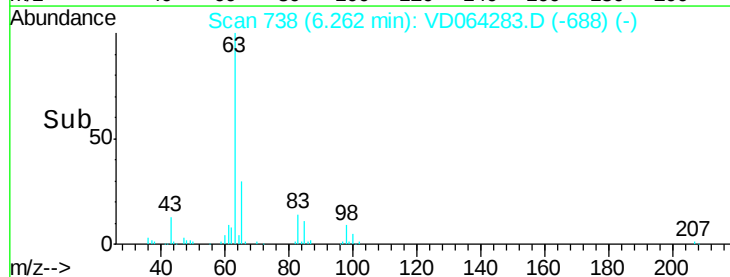
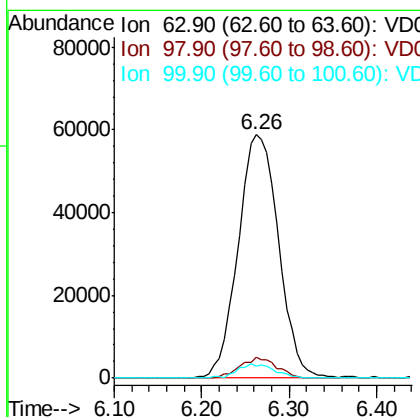
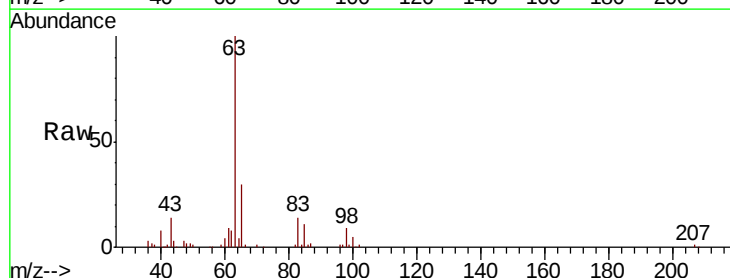
Manual Integrations
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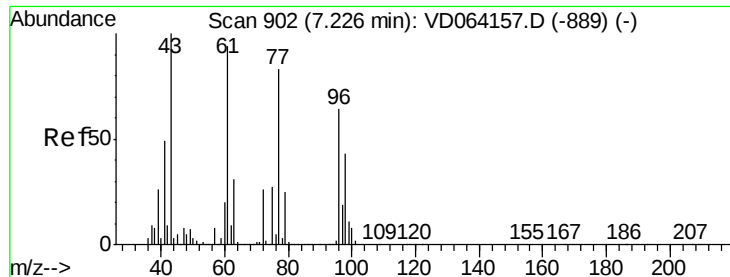
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#24
 1,1-Dichloroethane
 Concen: 20.275 ug/l
 RT: 6.26 min Scan# 738
 Delta R.T. -0.01 min
 Lab File: VD064283.D
 Acq: 19 Nov 2019 12:03

Tgt Ion	Ratio	Resp	Lower	Upper
63	100	185087		
98	8.8		3.8	11.4
100	5.2		2.4	7.2





#25

2-Butanone

Concen: 95.948 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD064283.D

Acq: 19 Nov 2019 12:03

Instrument :

MSVOA_D

ClientSampleId :

VD1119SBS01

Tot Ion: 43 Resp: 137751

Ion Ratio Lower Upper

43 100

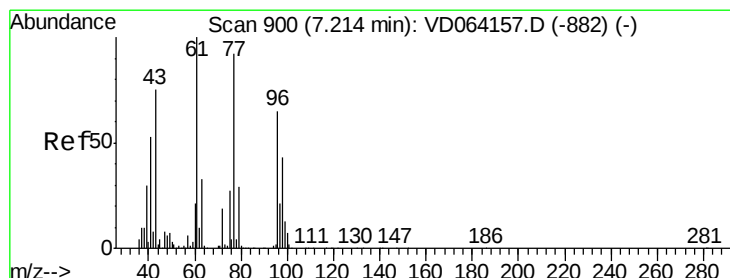
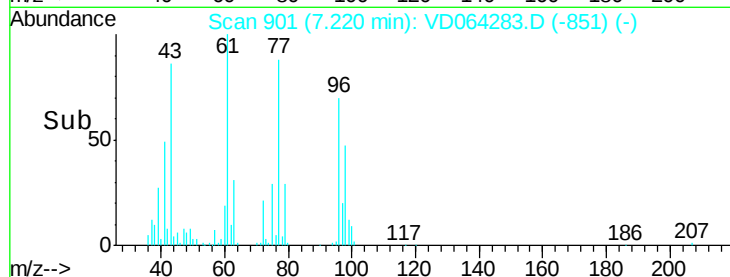
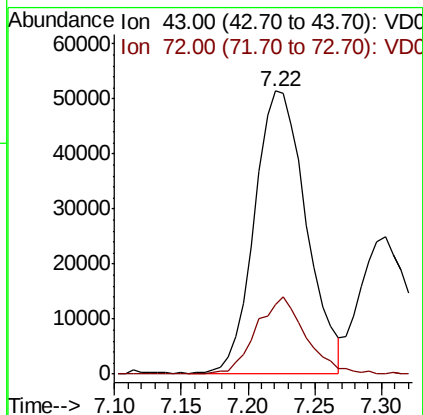
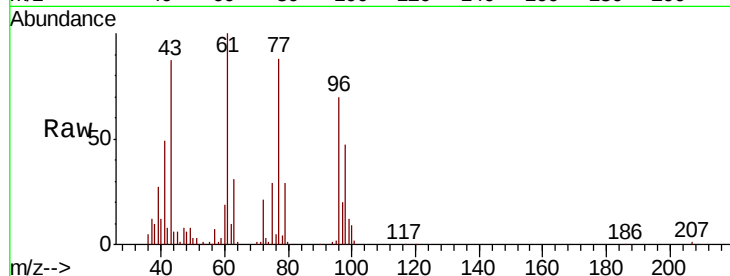
72 24.6 20.6 30.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.040 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064283.D

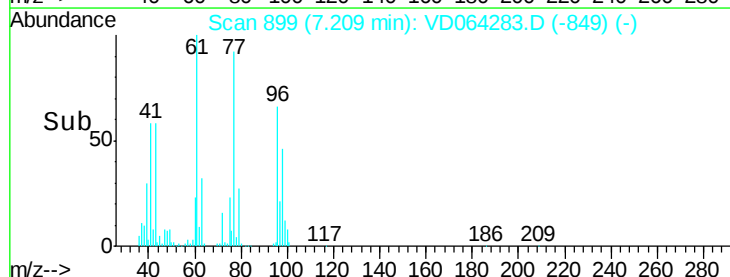
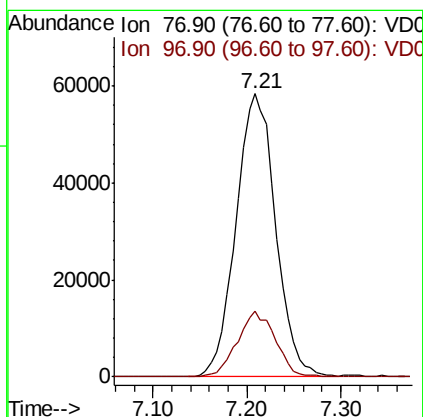
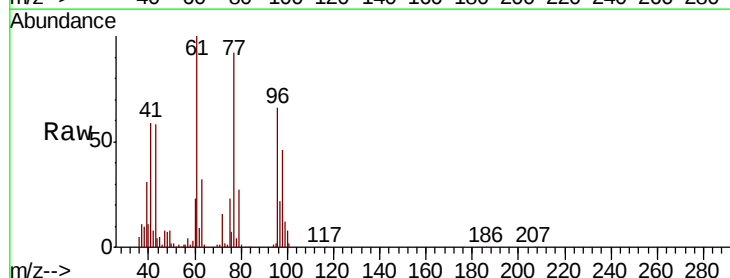
Acq: 19 Nov 2019 12:03

Tgt Ion: 77 Resp: 170457

Ion Ratio Lower Upper

77 100

97 22.2 11.1 33.3





#27

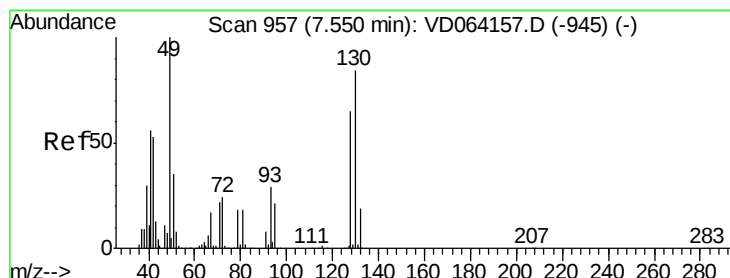
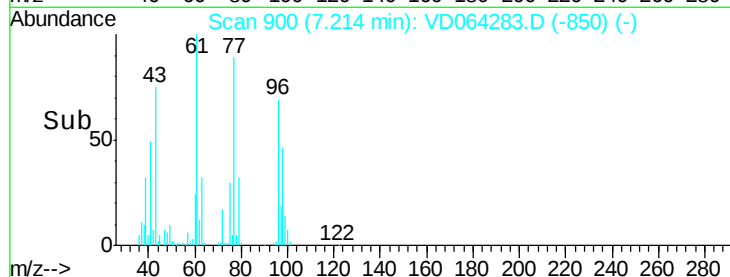
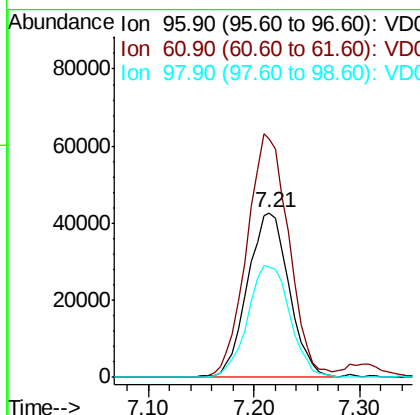
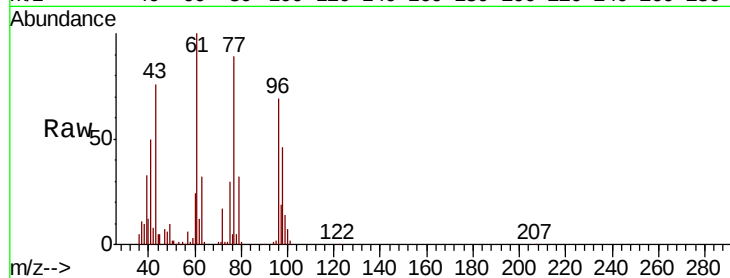
cis-1,2-Dichloroethene
Concen: 20.037 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.01 min
Lab File: VD064283.D
Acq: 19 Nov 2019 12:03

Instrument :
MSVOA_D
ClientSampleId :
VD1119SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	149.4	0.0	301.4
98	69.2	0.0	133.2

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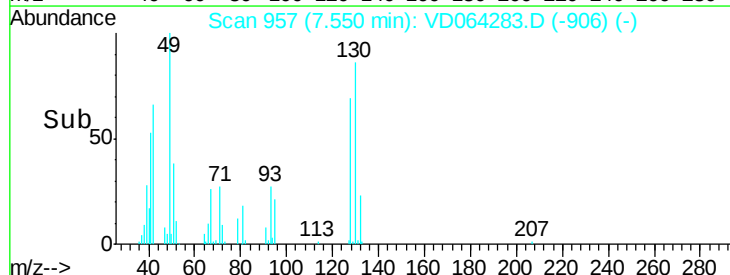
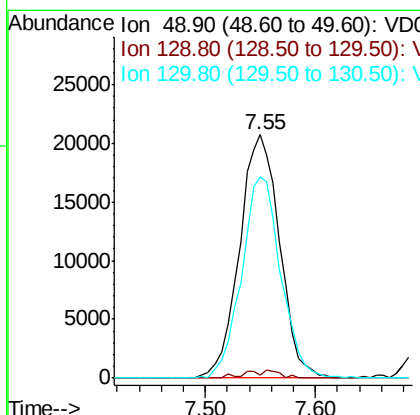
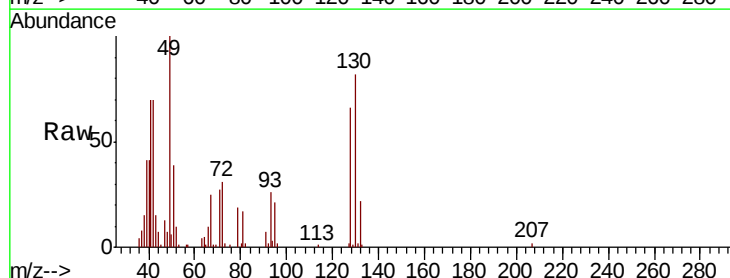
MMDadoda
11/20/2019 9:56:52 AM

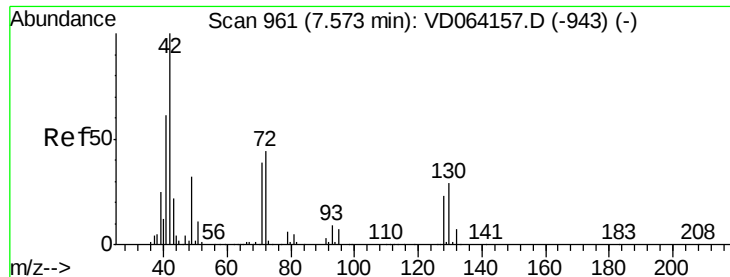


#28

Bromochloromethane
Concen: 16.568 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD064283.D
Acq: 19 Nov 2019 12:03

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	4.4
130	81.4	66.8	100.2





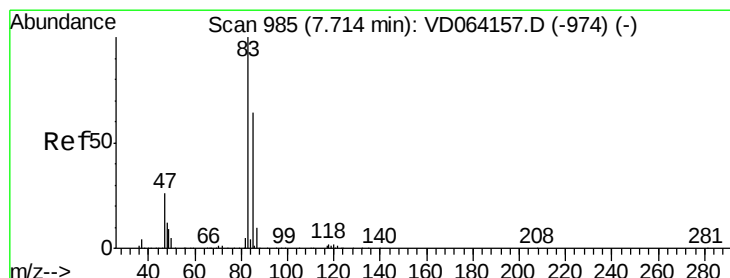
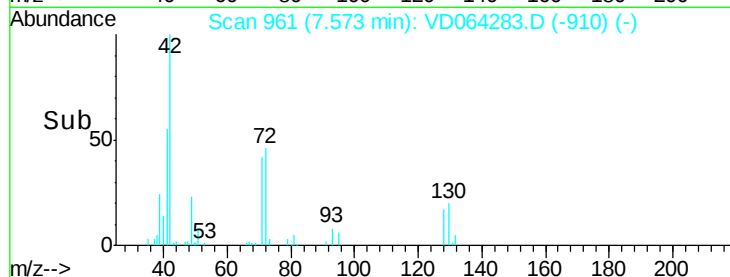
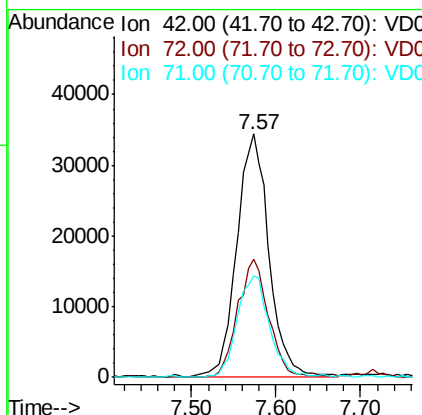
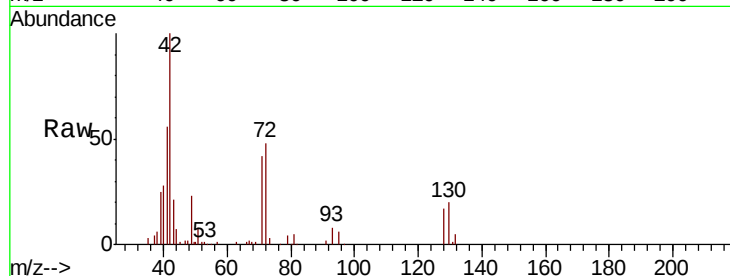
#29
Tetrahydrofuran
Concen: 105.531 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD064283.D
Acq: 19 Nov 2019 12:03

Instrument :
MSVOA_D
ClientSampleId :
VD1119SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.2	33.4	50.2
71	41.4	31.0	46.4

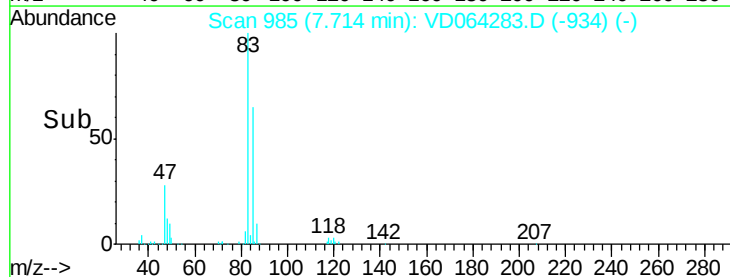
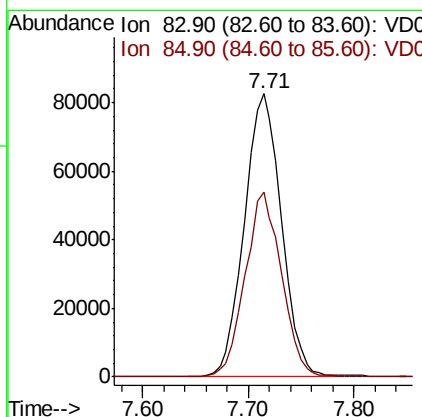
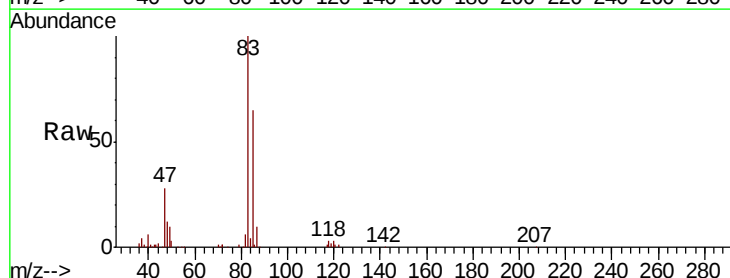
Manual Integrations
APPROVED

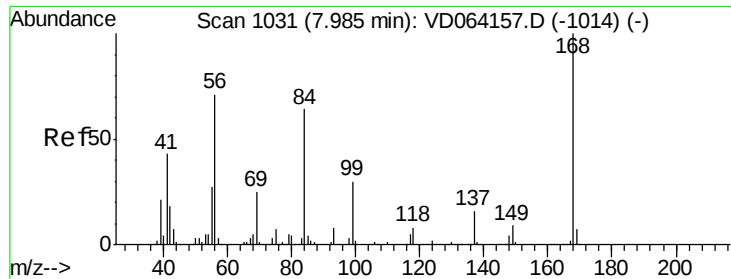
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#30
Chloroform
Concen: 21.624 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064283.D
Acq: 19 Nov 2019 12:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	51.4	77.0





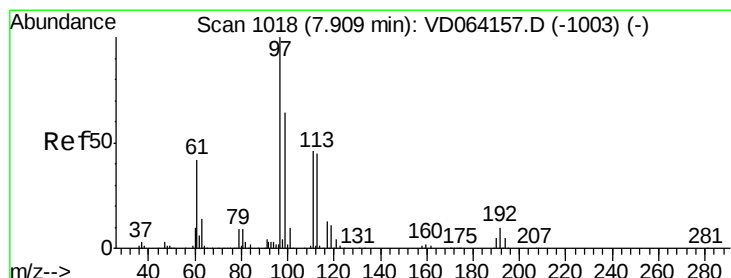
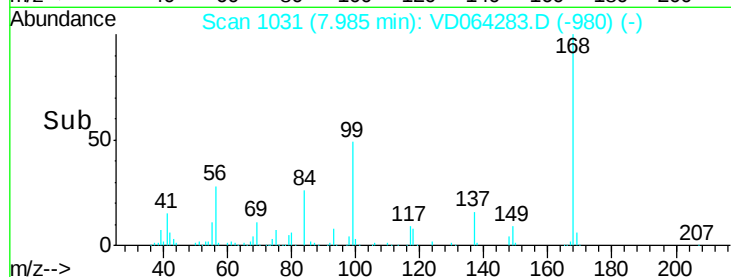
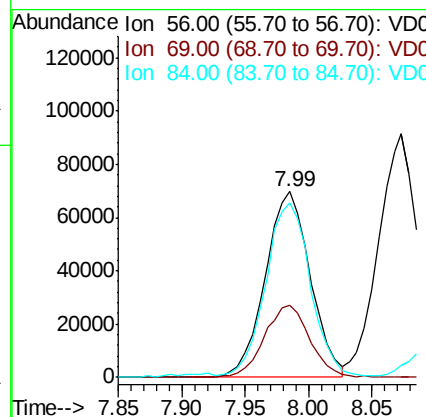
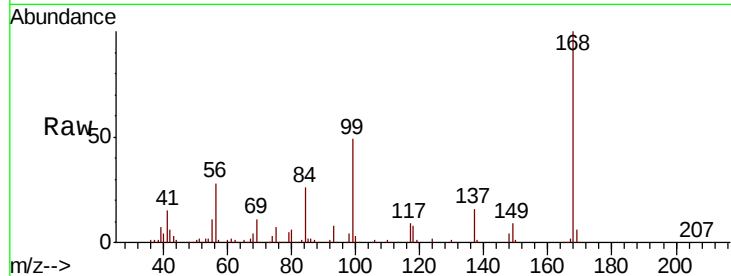
#31
Cyclohexane
Concen: 18.744 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064283.D
Acq: 19 Nov 2019 12:03

Instrument :
MSVOA_D
ClientSampleId :
VD1119SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.7	28.2	42.4
84	92.5	71.8	107.6

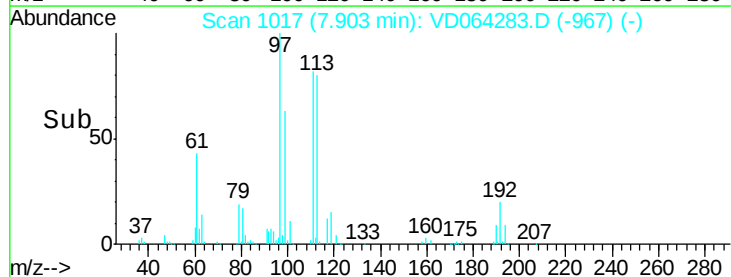
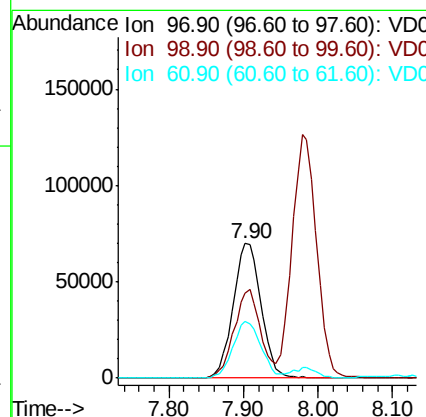
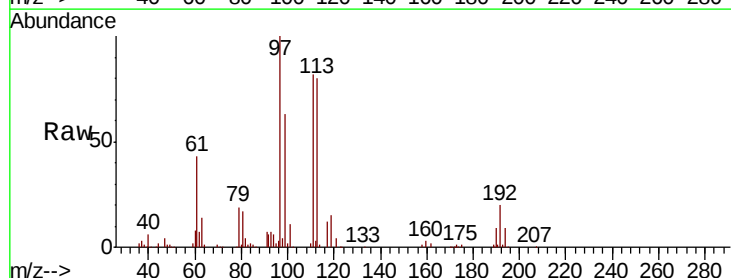
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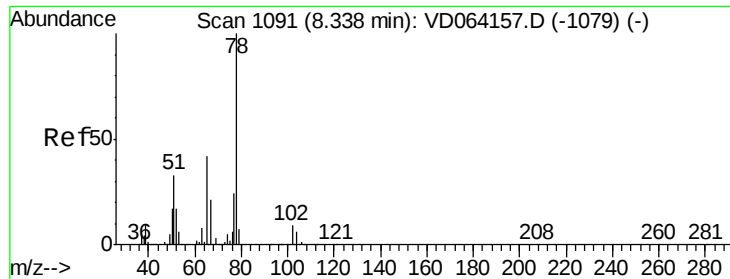
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11/20/2019 9:56:52 AM



#32
1,1,1-Trichloroethane
Concen: 20.346 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064283.D
Acq: 19 Nov 2019 12:03

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.6	51.6	77.4
61	42.3	34.2	51.2





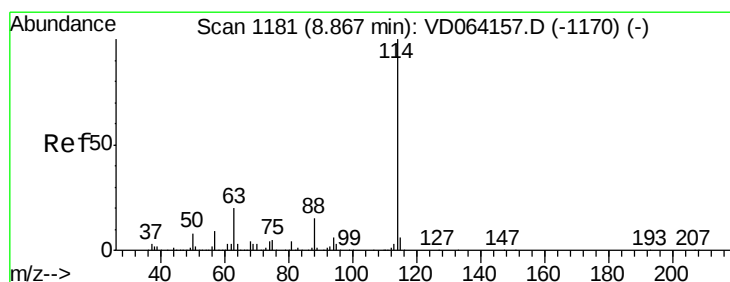
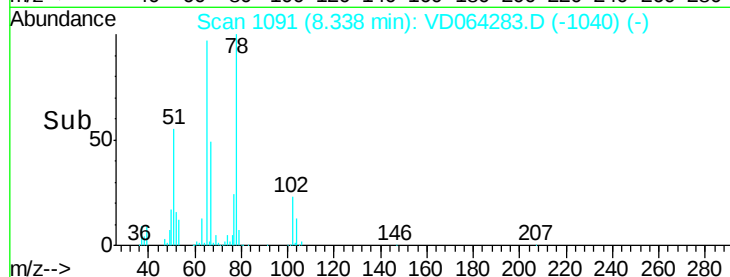
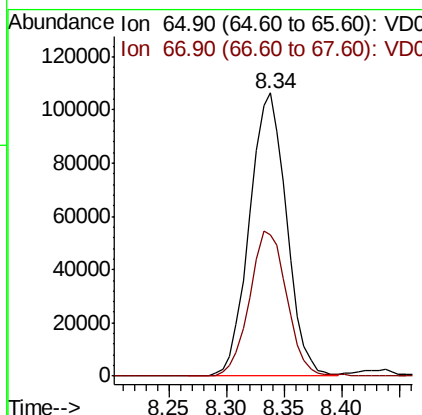
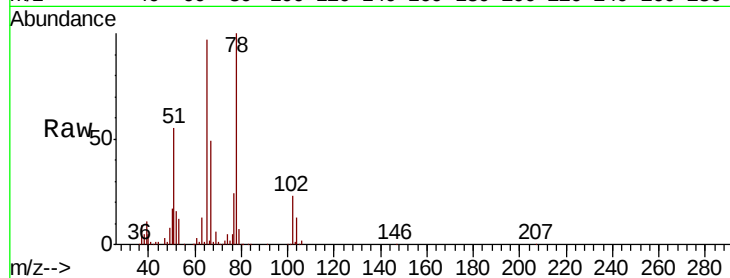
#33
 1,2-Dichloroethane-d4
 Concen: 50.807 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD064283.D
 Acq: 19 Nov 2019 12:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1119SBSD01

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	104.4

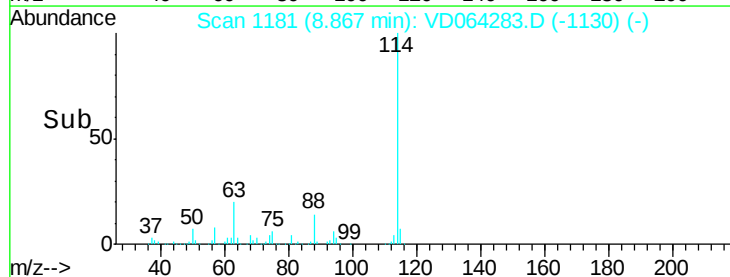
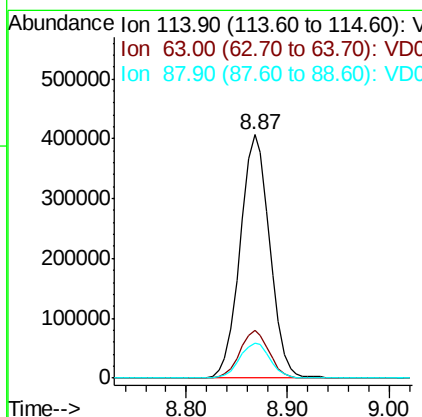
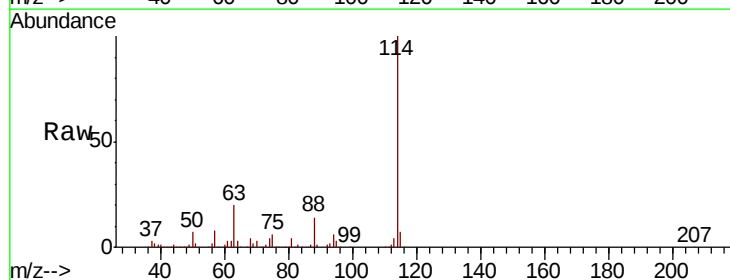
Manual Integrations
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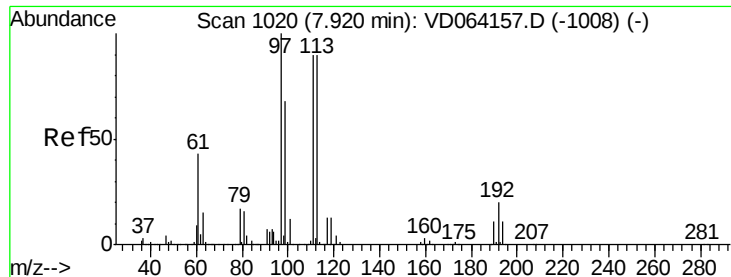
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064283.D
 Acq: 19 Nov 2019 12:03

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	40.0
88	14.2	0.0	30.2





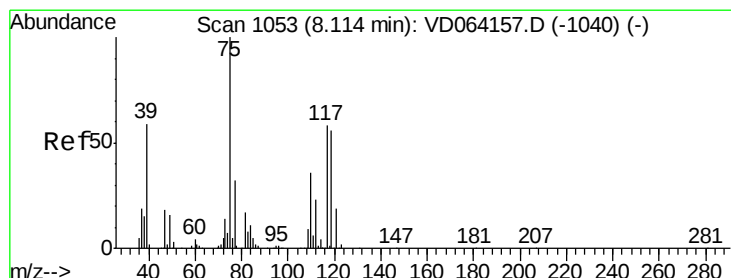
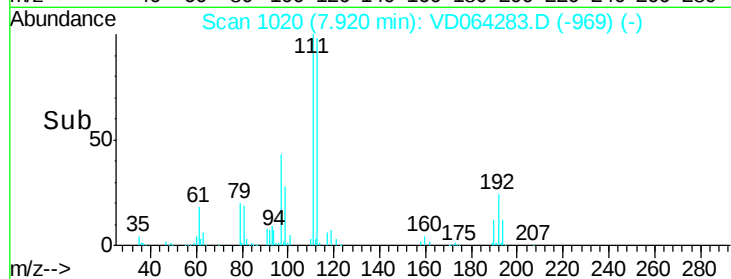
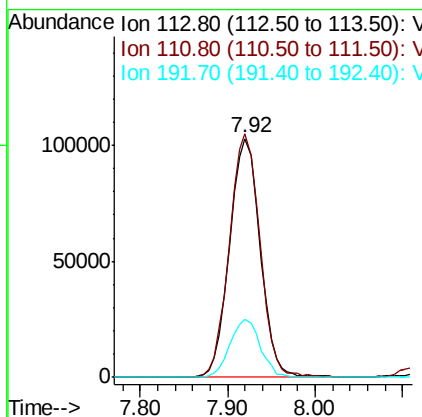
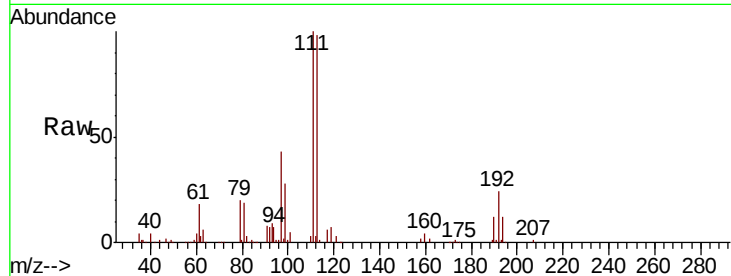
#35
 Dibromofluoromethane
 Concen: 51.514 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064283.D
 Acq: 19 Nov 2019 12:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1119SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	242849		
111	102.3		81.5	122.3
192	24.1		18.8	28.2

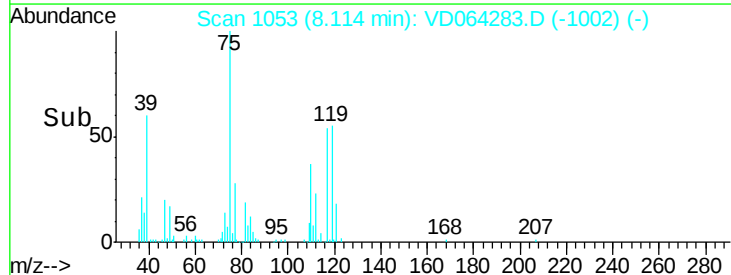
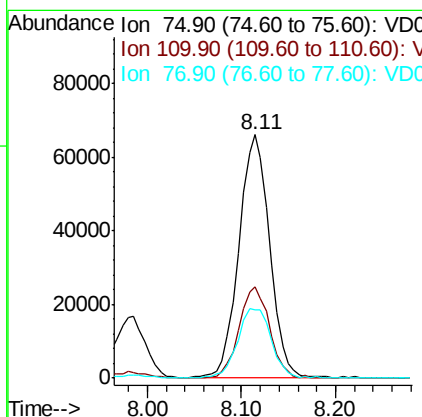
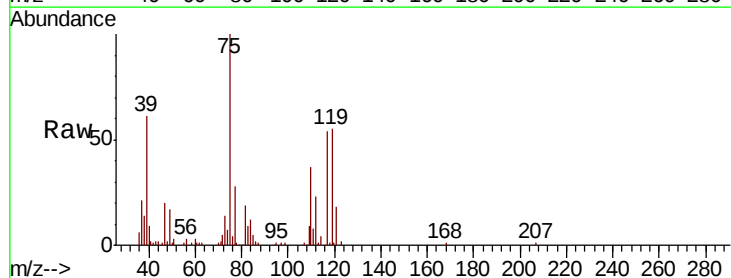
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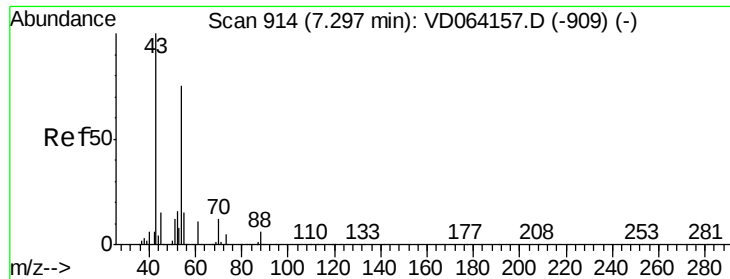
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#36
 1,1-Dichloropropene
 Concen: 19.826 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064283.D
 Acq: 19 Nov 2019 12:03

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	150272		
110	37.1		18.3	54.9
77	31.2		25.0	37.6





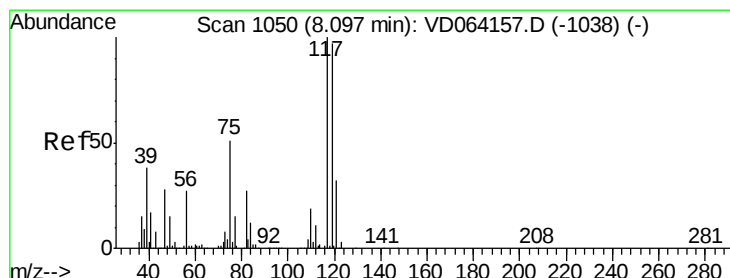
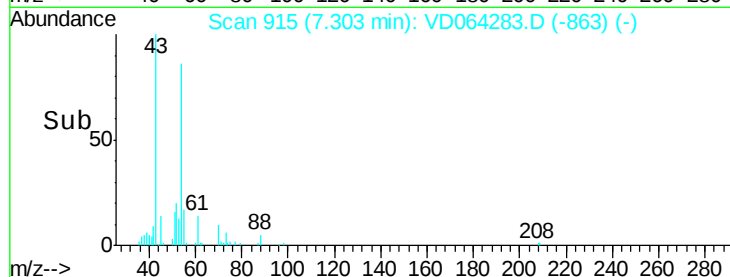
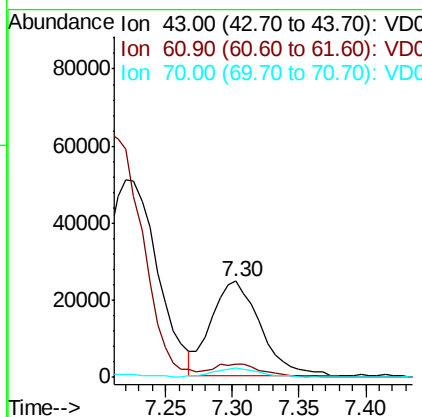
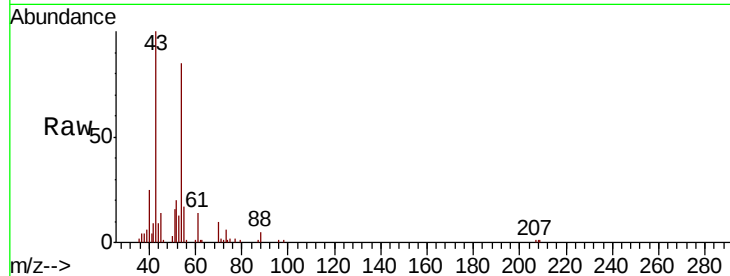
#37
Ethyl Acetate
Concen: 19.703 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064283.D
Acq: 19 Nov 2019 12:03

Instrument :
MSVOA_D
ClientSampleId :
VD1119SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.2	10.2	15.2
70	10.0	8.5	12.7

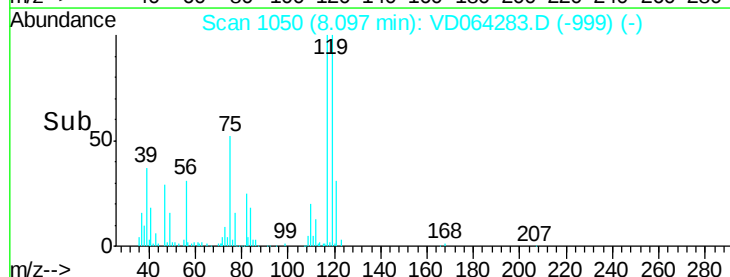
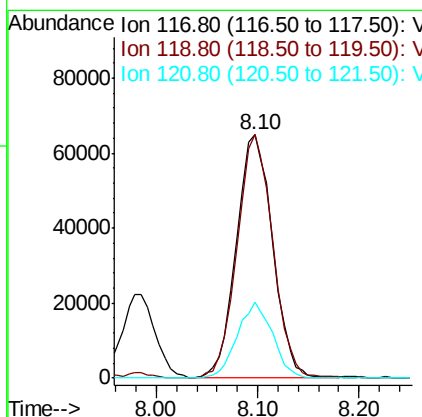
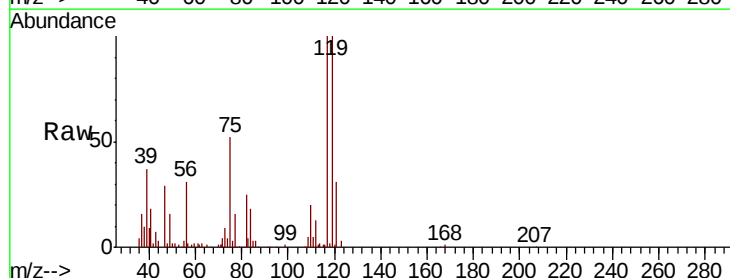
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#38
Carbon Tetrachloride
Concen: 19.724 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064283.D
Acq: 19 Nov 2019 12:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.5	77.2	115.8
121	31.3	25.5	38.3





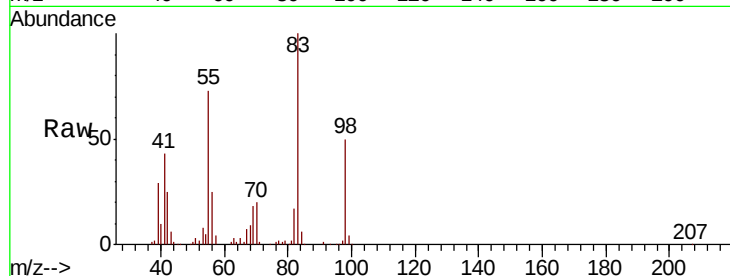
#39
Methylvlcyclohexane
Concen: 19.178 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064283.D
Acq: 19 Nov 2019 12:03

Instrument :
MSVOA_D
ClientSampleId :
VD1119SBS01

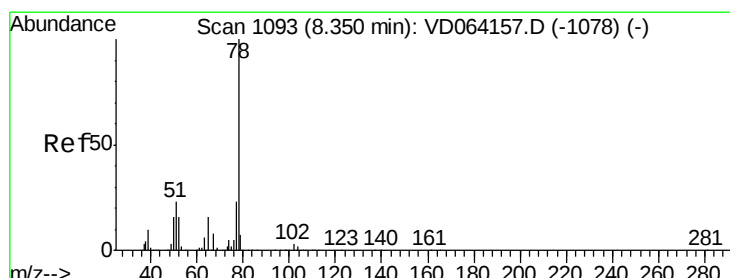
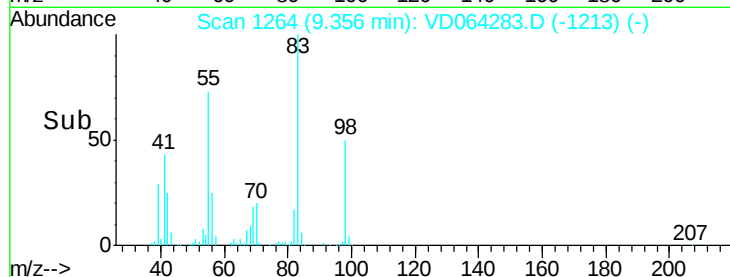
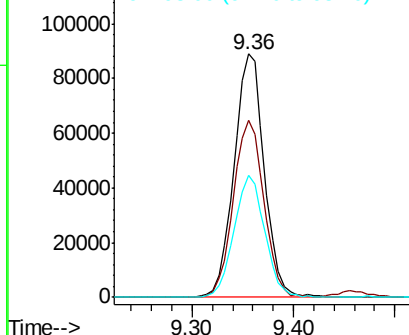
Tot Ion	Ratio	Lower	Upper
83	100		
55	72.7	61.7	92.5
98	50.3	38.6	58.0

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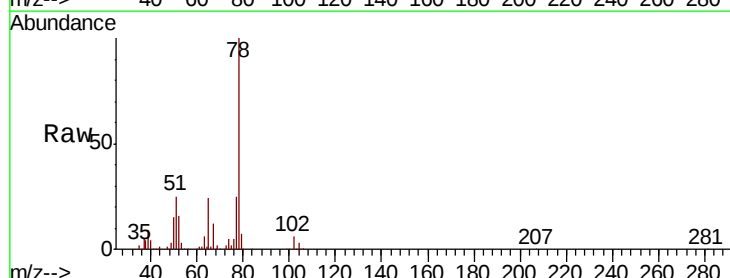


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

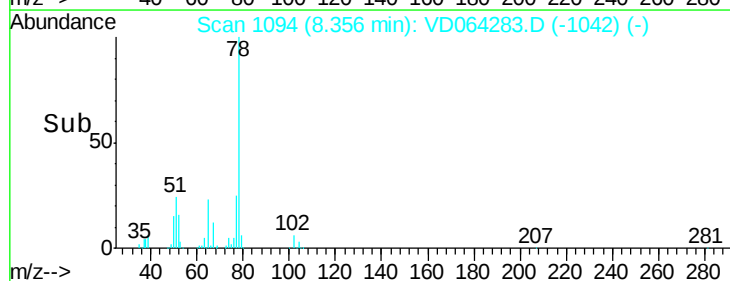
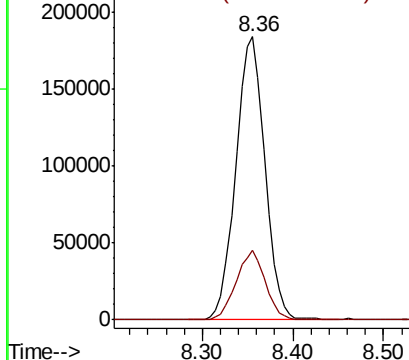


#40
Benzene
Concen: 19.840 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD064283.D
Acq: 19 Nov 2019 12:03

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.8	18.6	28.0



Abundance Ion 78.00 (77.70 to 78.70): VDC
Ion 77.00 (76.70 to 77.70): VDC





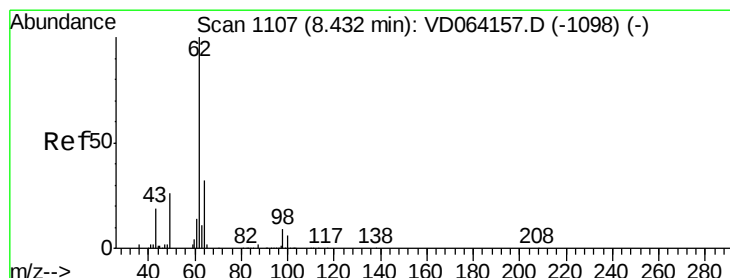
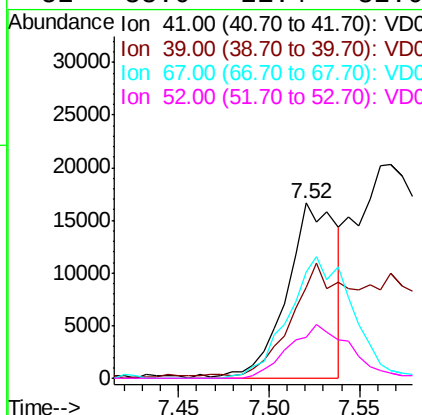
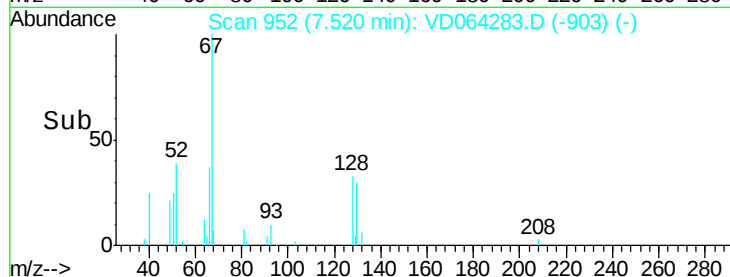
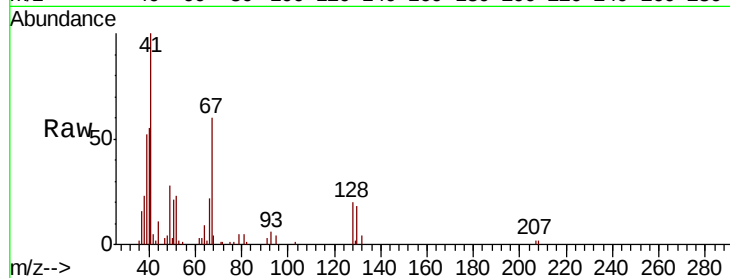
#41
Methacrylonitrile
Concen: 15.948 ug/l
RT: 7.52 min Scan# 952
Delta R.T. -0.01 min
Lab File: VD064283.D
Acq: 19 Nov 2019 12:03

Instrument :
MSVOA_D
ClientSampleId :
VD1119SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	75.2	49.4	74.2#
67	88.7	49.6	74.4#
52	38.0	21.4	32.0#

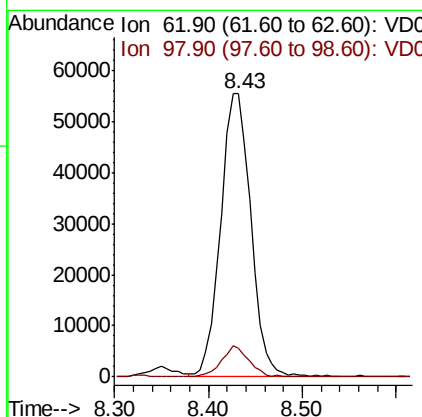
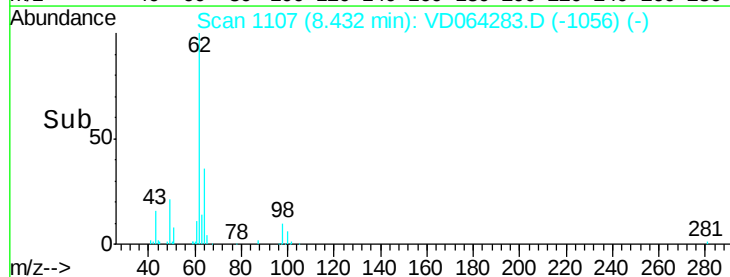
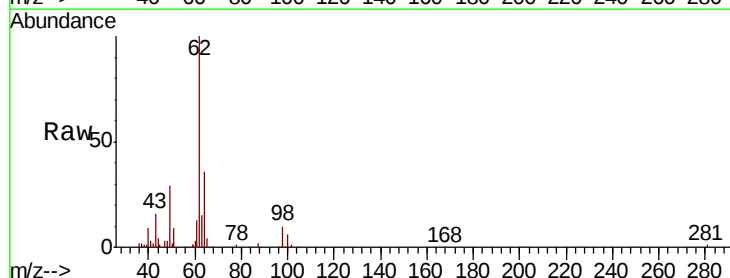
Manual Integrations
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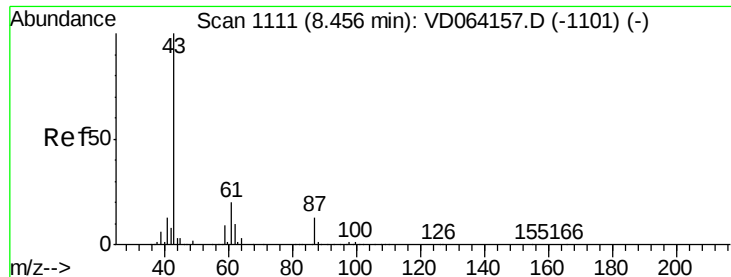
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#42
1,2-Dichloroethane
Concen: 19.990 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VD064283.D
Acq: 19 Nov 2019 12:03

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	19.0





#43

Isopropyl Acetate

Concen: 19.890 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD064283.D

Acq: 19 Nov 2019 12:03

Instrument :

MSVOA_D

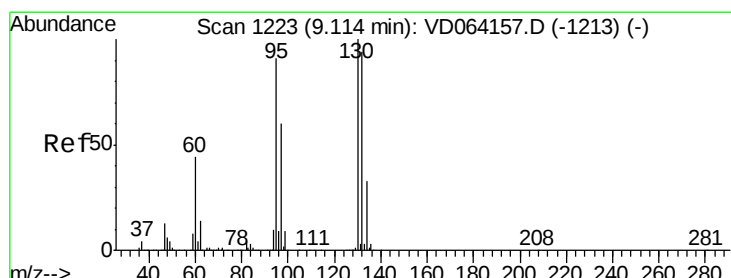
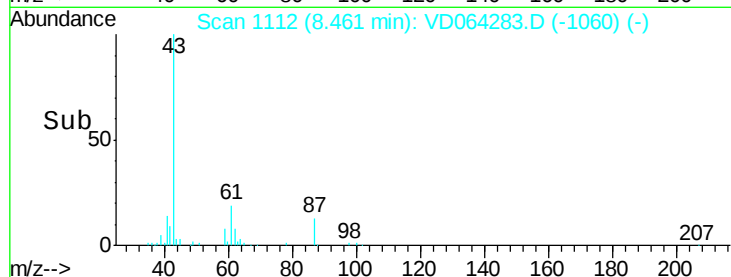
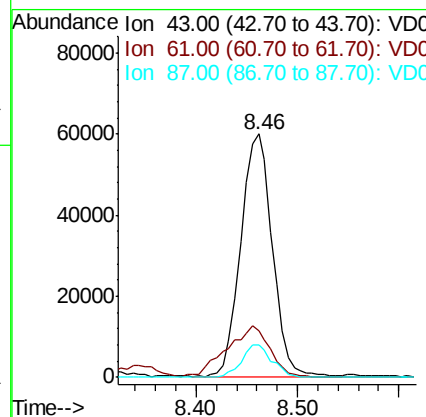
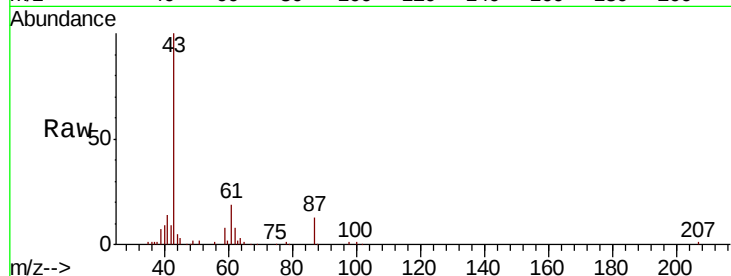
ClientSampleId :

VD1119SBS01

Tot Ion:	43	Resp:	130951
Ion	Ratio	Lower	Upper
43	100		
61	28.8	22.9	34.3
87	12.8	10.2	15.2

Manual Integrations
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#44

Trichloroethene

Concen: 19.977 ug/l

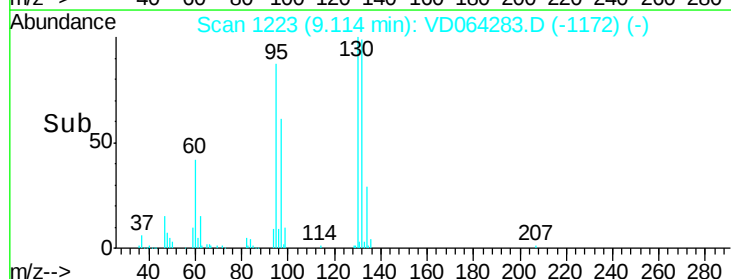
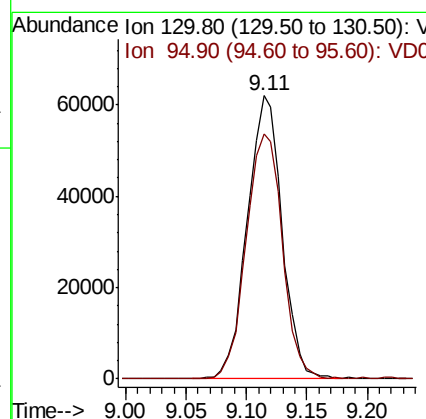
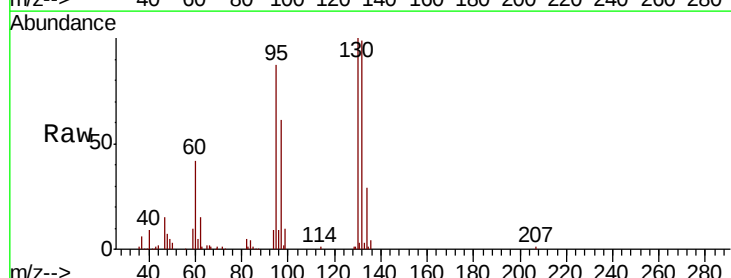
RT: 9.11 min Scan# 1223

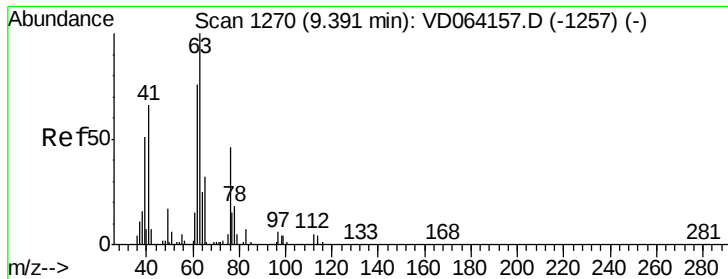
Delta R.T. 0.00 min

Lab File: VD064283.D

Acq: 19 Nov 2019 12:03

Tgt Ion:	130	Resp:	124204
Ion	Ratio	Lower	Upper
130	100		
95	86.7	0.0	181.6





#45

1,2-Dichloropropane

Concen: 19.884 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064283.D

Acq: 19 Nov 2019 12:03

Instrument :

MSVOA_D

ClientSampleId :

VD1119SBS01

Tot Ion: 63 Resp: 100256

Ion Ratio Lower Upper

63 100

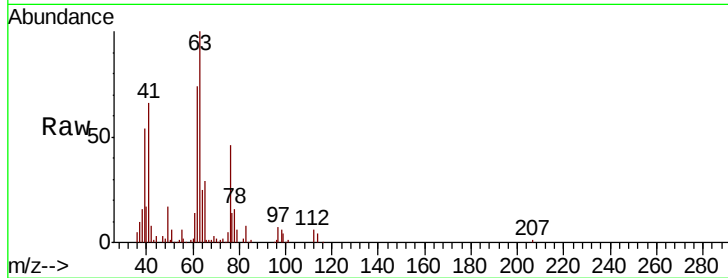
65 28.6 25.7 38.5

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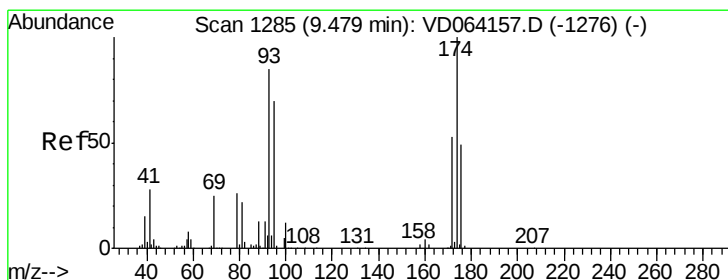
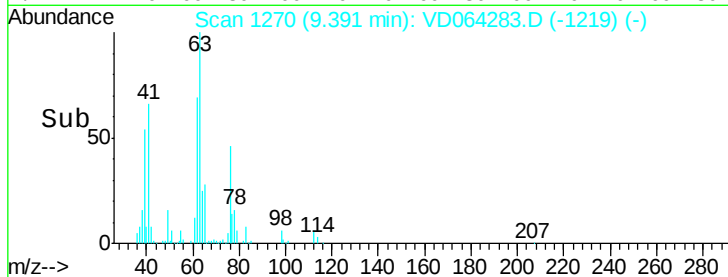
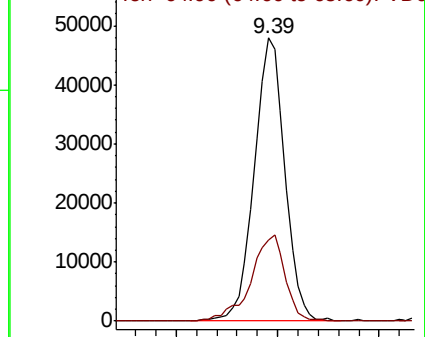
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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 21.017 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064283.D

Acq: 19 Nov 2019 12:03

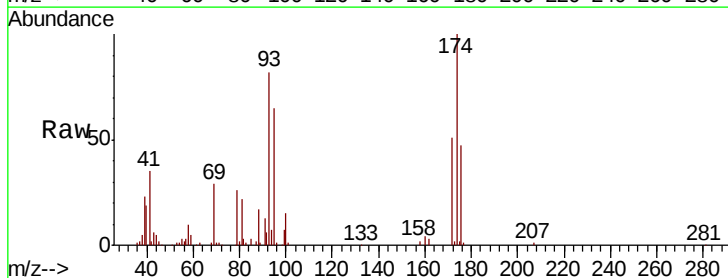
Tgt Ion: 93 Resp: 56731

Ion Ratio Lower Upper

93 100

95 82.2 65.5 98.3

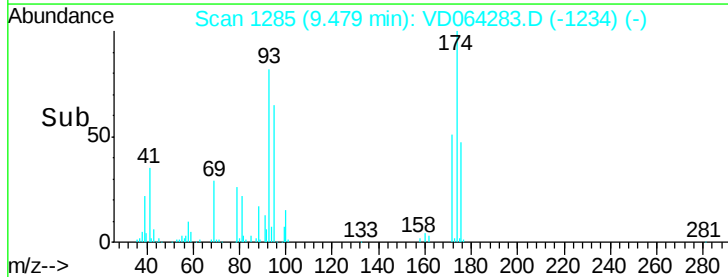
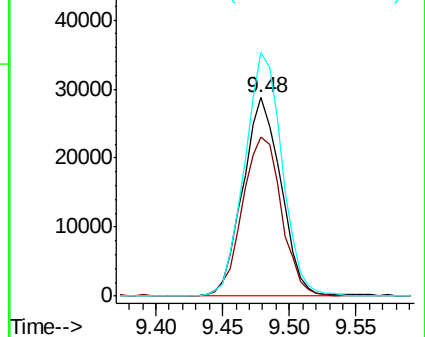
174 120.8 93.9 140.9

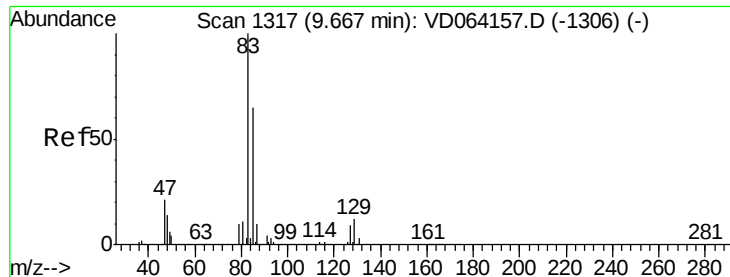


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.077 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064283.D

Acq: 19 Nov 2019 12:03

Instrument :

MSVOA_D

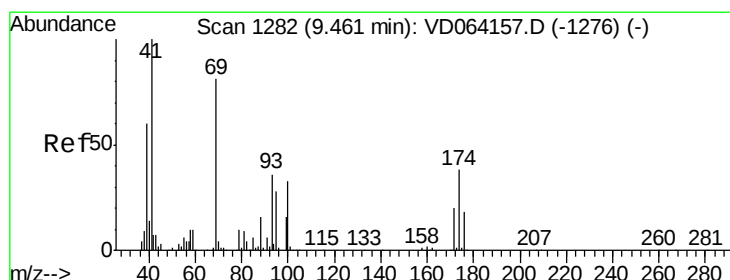
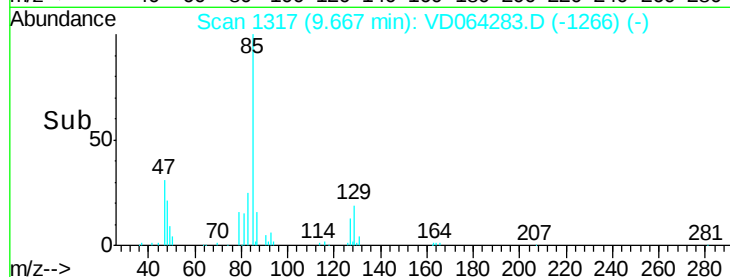
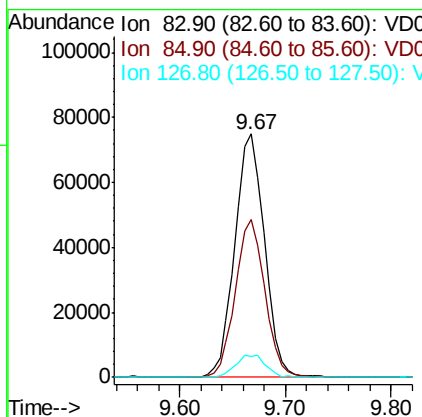
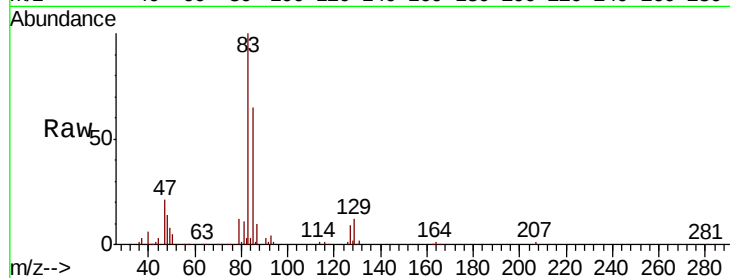
ClientSampleId :

VD1119SBS01

Tot Ion:	83	Resp:	145979
Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.2	78.4
127	8.6	7.5	11.3

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#48

Methyl methacrylate

Concen: 18.468 ug/l

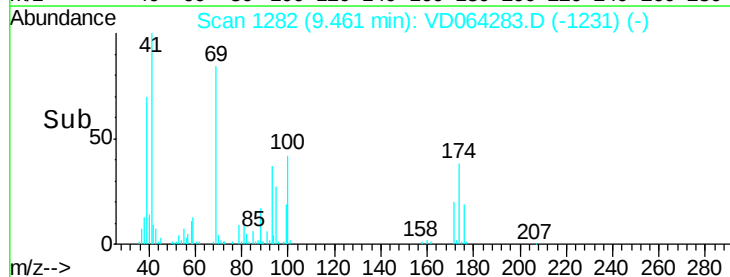
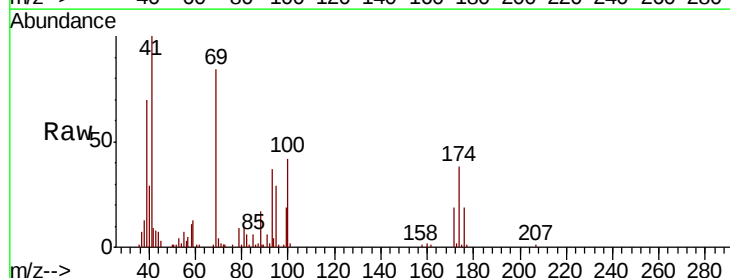
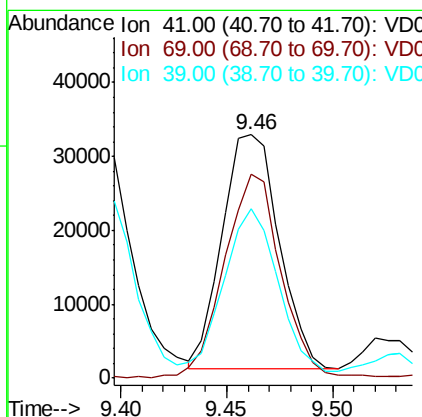
RT: 9.46 min Scan# 1282

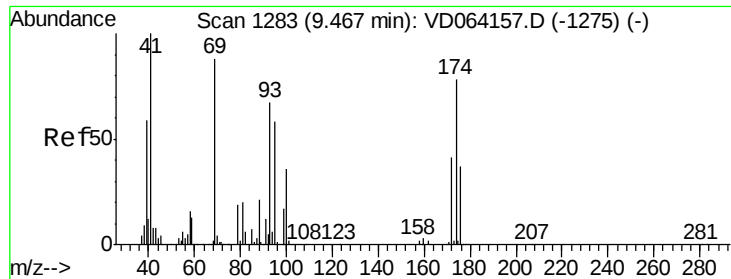
Delta R.T. 0.00 min

Lab File: VD064283.D

Acq: 19 Nov 2019 12:03

Tgt Ion:	41	Resp:	59454
Ion	Ratio	Lower	Upper
41	100		
69	87.3	64.6	97.0
39	72.2	48.2	72.2





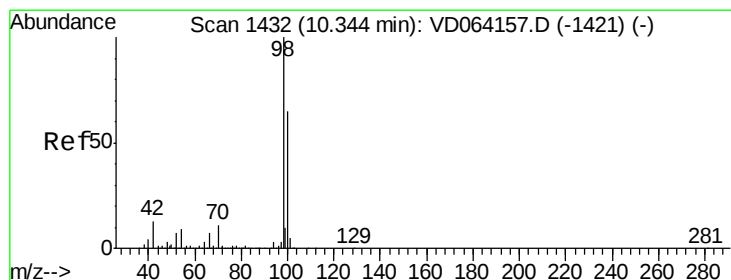
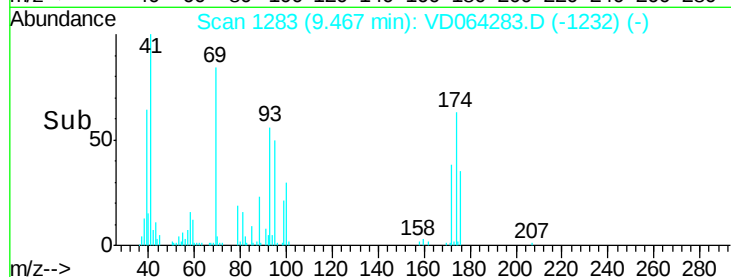
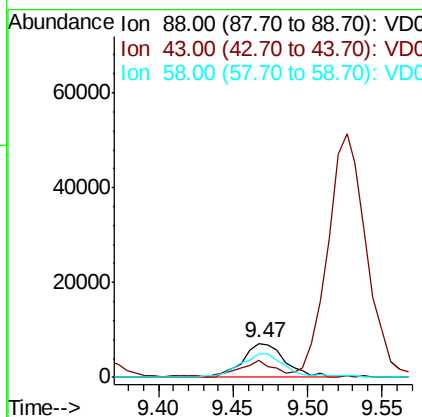
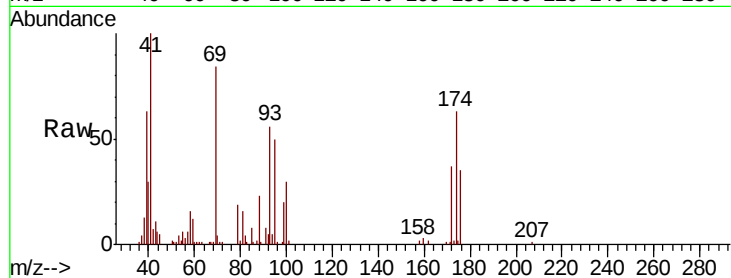
#49
1,4-Dioxane
Concen: 428.125 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD064283.D
Acq: 19 Nov 2019 12:03

Instrument :
MSVOA_D
ClientSampleId :
VD1119SBS01

Tot Ion	88	Resp	13879
Ion Ratio	Lower	Upper	
88	100		
43	36.6	29.8	44.8
58	77.8	58.1	87.1

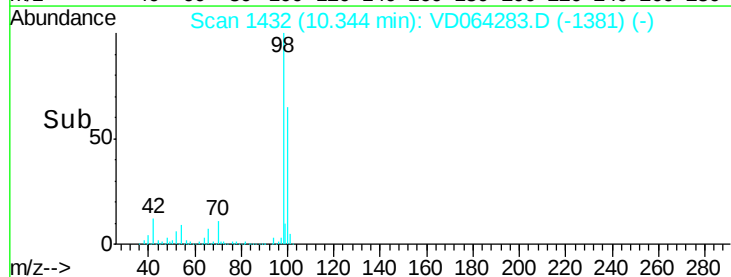
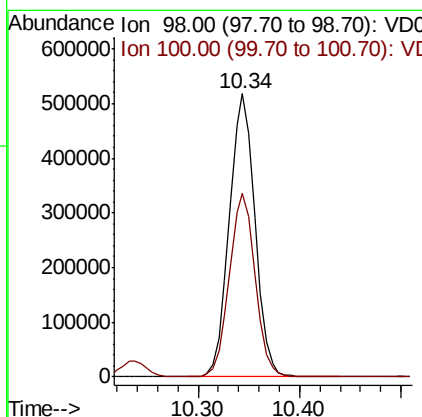
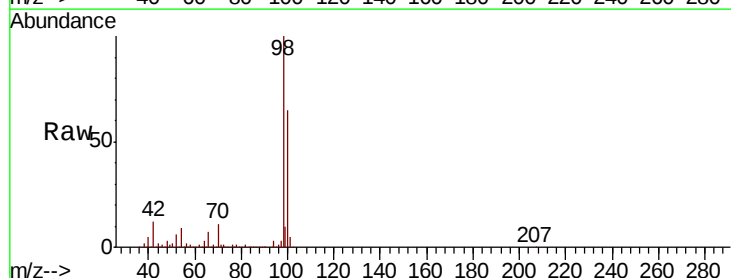
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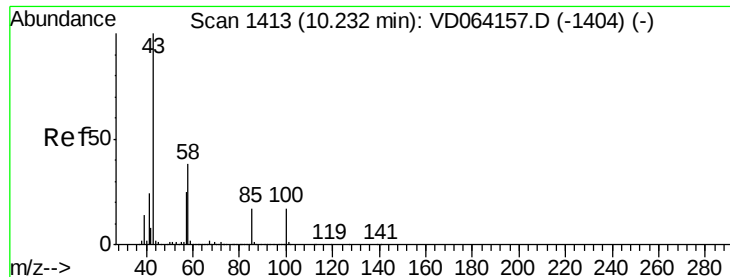
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#50
Toluene-d8
Concen: 51.334 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064283.D
Acq: 19 Nov 2019 12:03

Tgt Ion	98	Resp	912923
Ion Ratio	Lower	Upper	
98	100		
100	64.8	52.6	78.8





#51

4-Methyl-2-Pentanone

Concen: 102.008 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064283.D

Acq: 19 Nov 2019 12:03

Instrument :

MSVOA_D

ClientSampleId :

VD1119SBS01

Tot Ion: 43 Resp: 322058

Ion Ratio Lower Upper

43 100

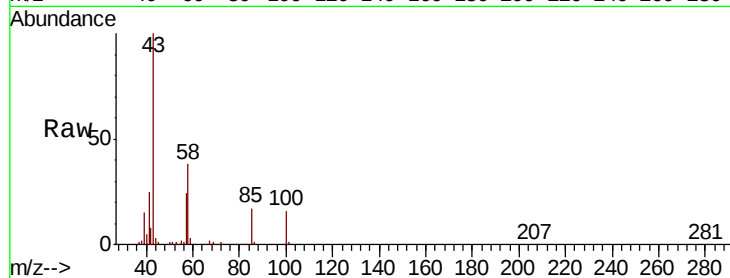
58 37.9 30.2 45.4

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.23

200000

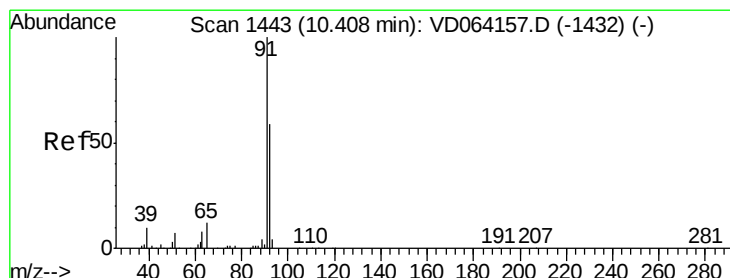
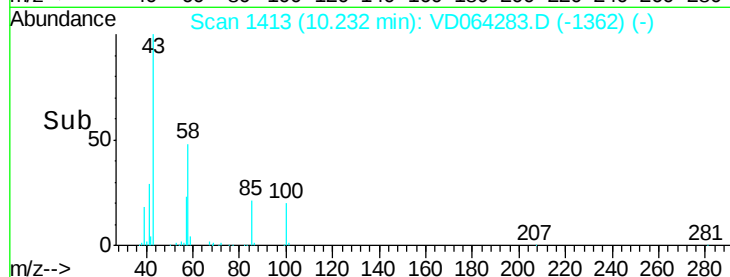
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 19.987 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD064283.D

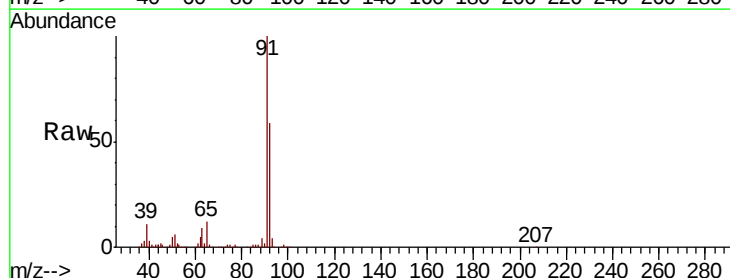
Acq: 19 Nov 2019 12:03

Tgt Ion: 92 Resp: 272256

Ion Ratio Lower Upper

92 100

91 169.9 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.41

250000

200000

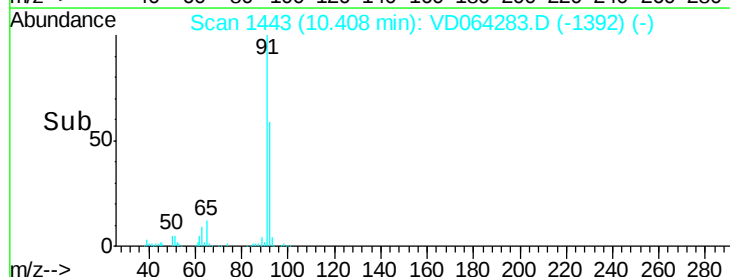
150000

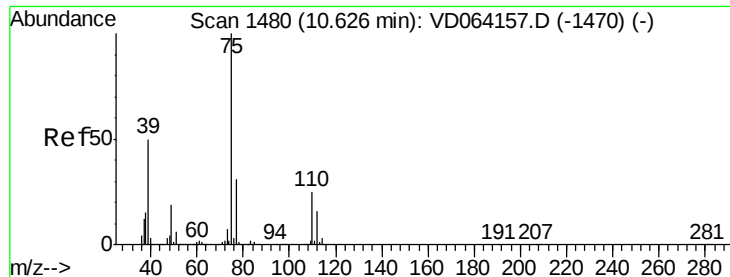
100000

50000

0

Time-->





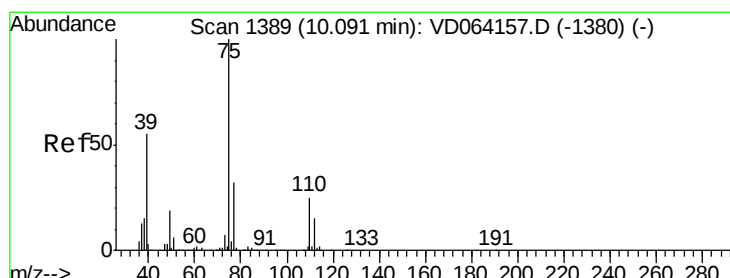
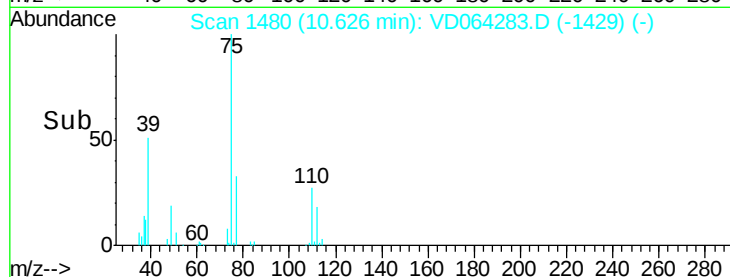
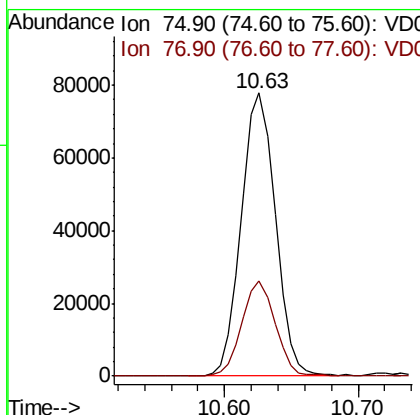
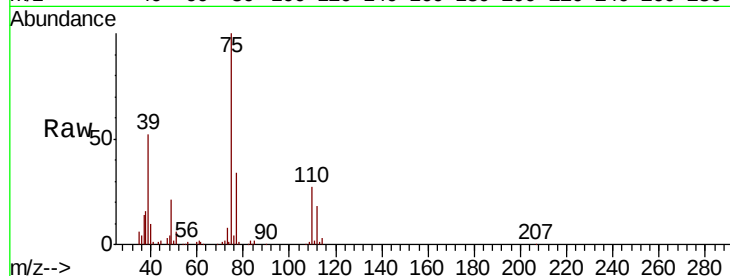
#53
 t-1,3-Dichloropropene
 Concen: 18.956 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. 0.00 min
 Lab File: VD064283.D
 Acq: 19 Nov 2019 12:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1119SBS01

Tot Ion: 75 Resp: 138079
 Ion Ratio Lower Upper
 75 100
 77 33.7 24.7 37.1

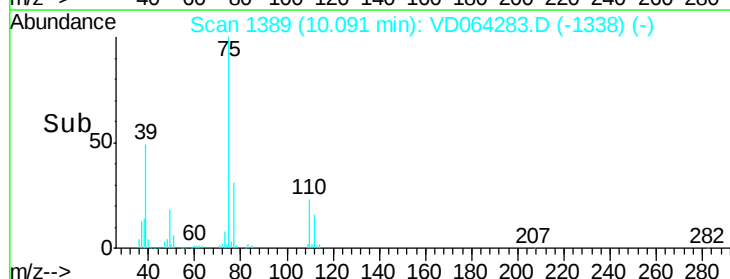
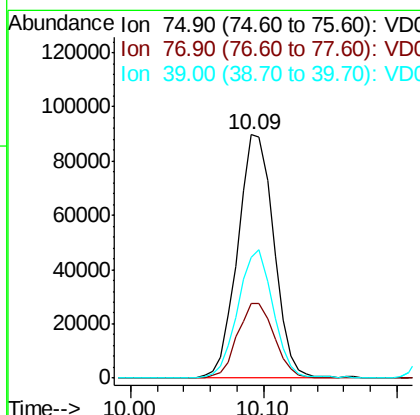
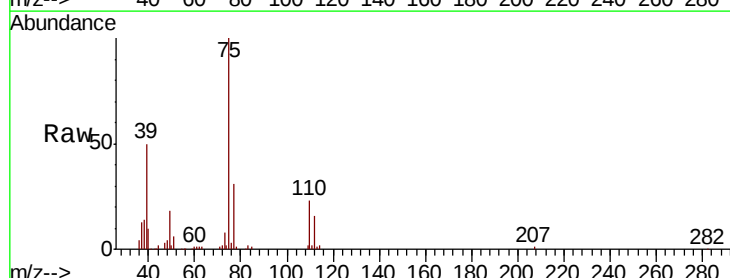
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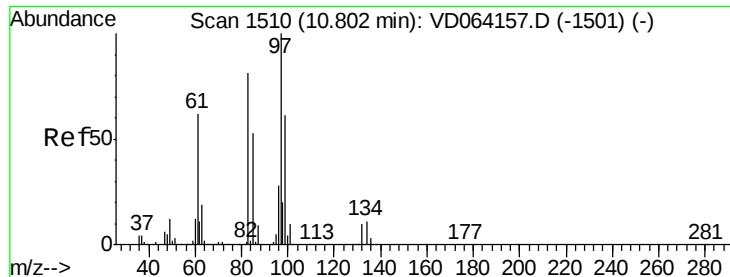
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#54
 cis-1,3-Dichloropropene
 Concen: 19.805 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. 0.00 min
 Lab File: VD064283.D
 Acq: 19 Nov 2019 12:03

Tgt Ion: 75 Resp: 168340
 Ion Ratio Lower Upper
 75 100
 77 30.7 25.2 37.8
 39 49.5 44.2 66.2





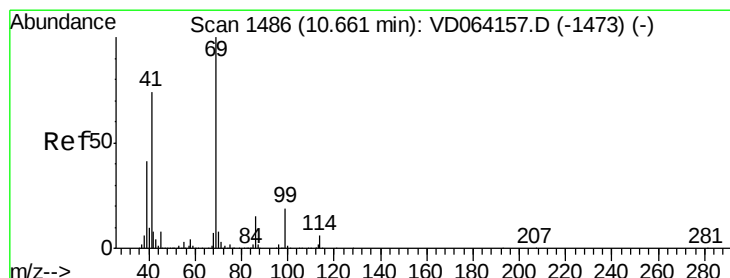
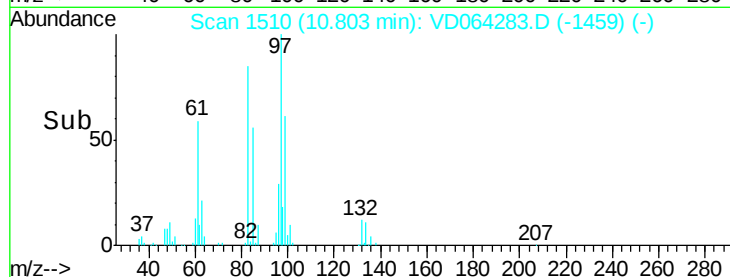
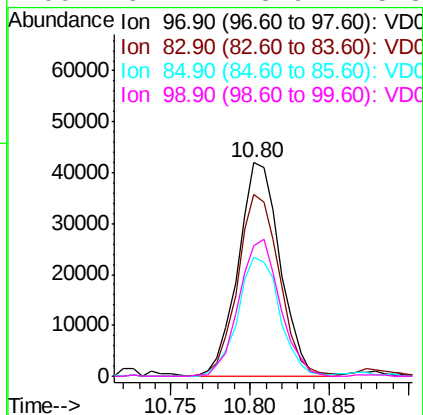
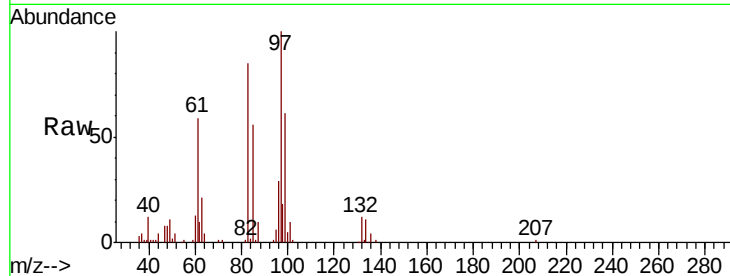
#55
 1,1,2-Trichloroethane
 Concen: 21.030 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064283.D
 Acq: 19 Nov 2019 12:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1119SBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	85.4	65.1	97.7
85	55.8	42.0	63.0
99	61.2	48.9	73.3

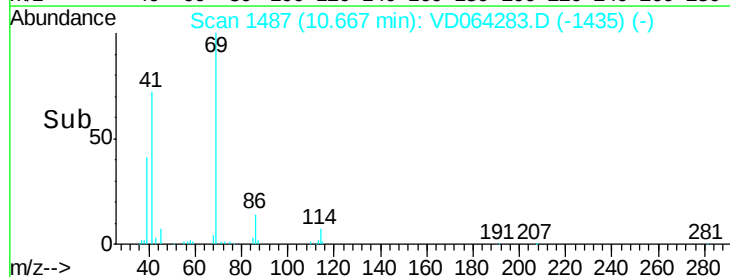
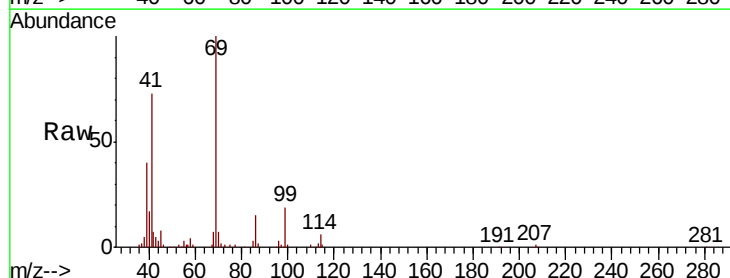
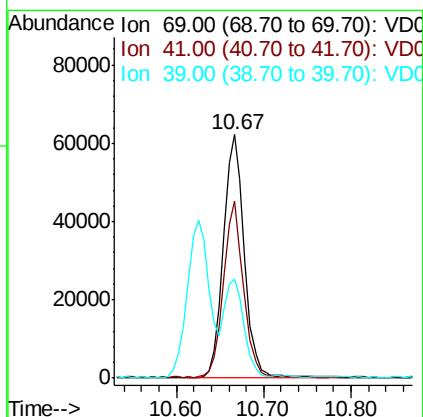
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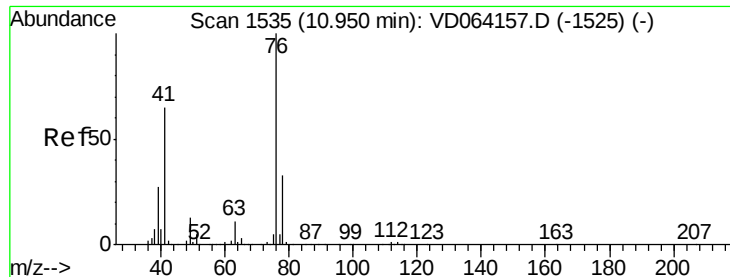
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#56
 Ethyl methacrylate
 Concen: 19.994 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD064283.D
 Acq: 19 Nov 2019 12:03

Tgt Ion	Ratio	Lower	Upper
69	100		
41	69.0	57.9	86.9
39	36.6	29.0	43.4





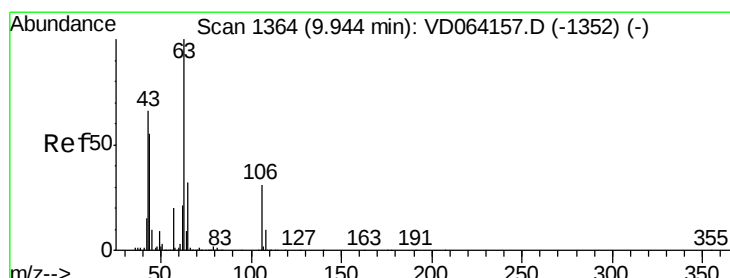
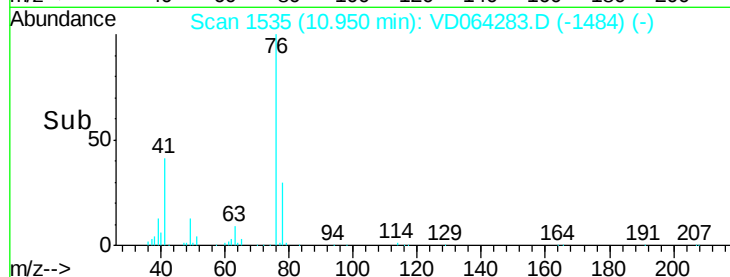
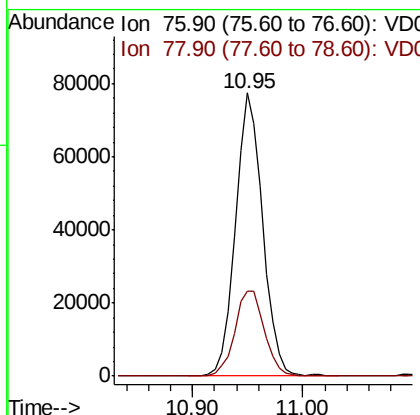
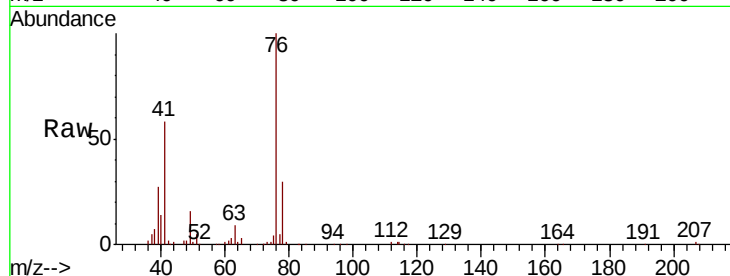
#57
 1,3-Dichloropropane
 Concen: 20.891 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064283.D
 Acq: 19 Nov 2019 12:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1119SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.0	26.2	39.4

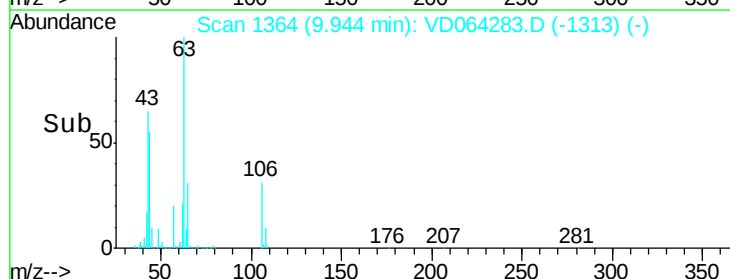
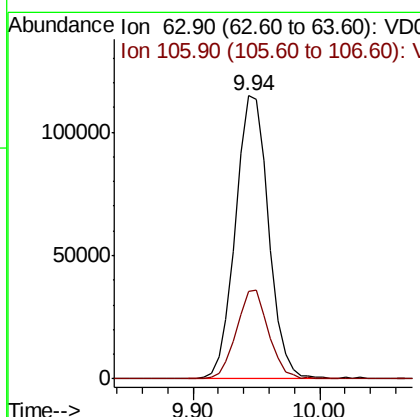
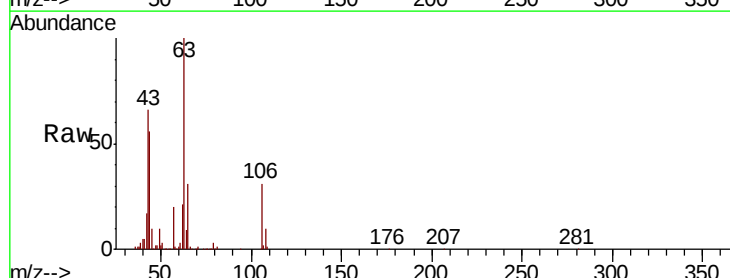
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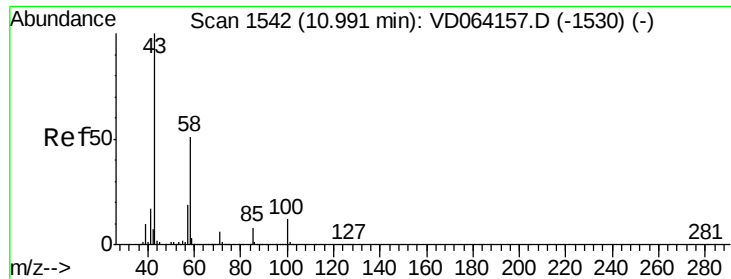
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#58
 2-Chloroethyl Vinyl ether
 Concen: 100.104 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064283.D
 Acq: 19 Nov 2019 12:03

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.5	24.1	36.1





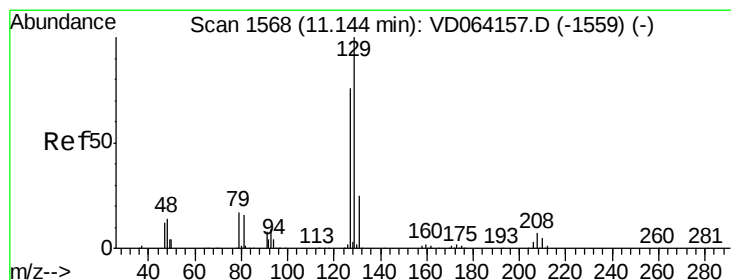
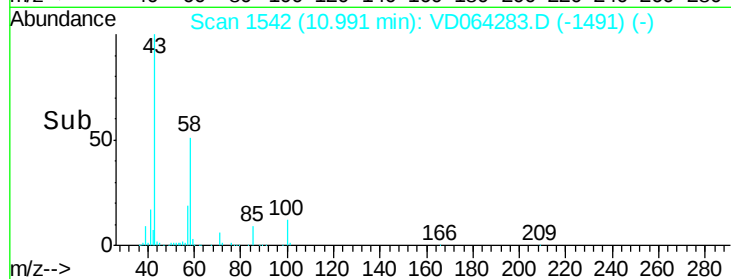
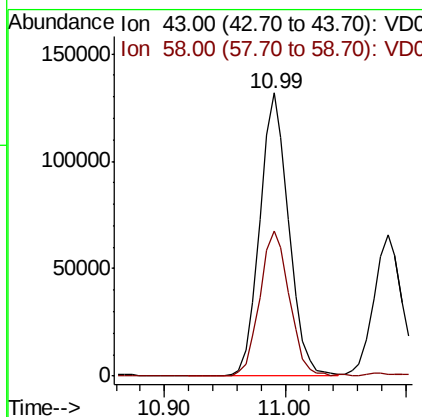
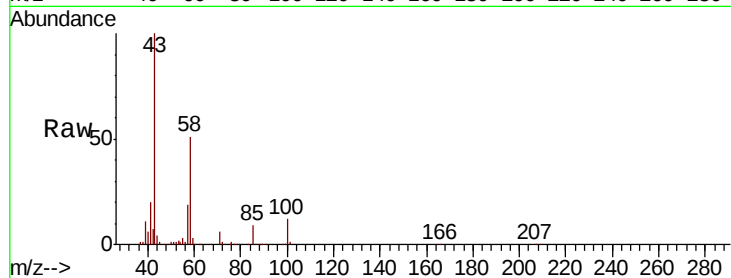
#59
2-Hexanone
Concen: 97.398 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064283.D
Acq: 19 Nov 2019 12:03

Instrument :
MSVOA_D
ClientSampleId :
VD1119SBSD01

Tot Ion: 43 Resp: 218772
Ion Ratio Lower Upper
43 100
58 52.5 25.9 77.7

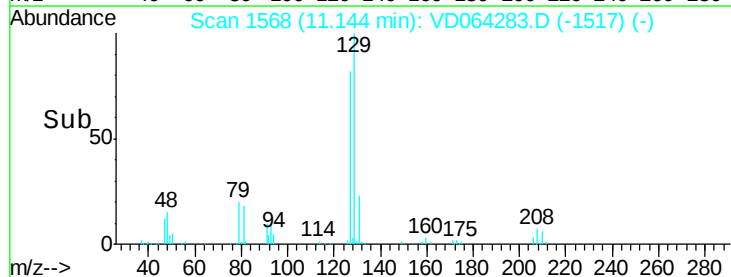
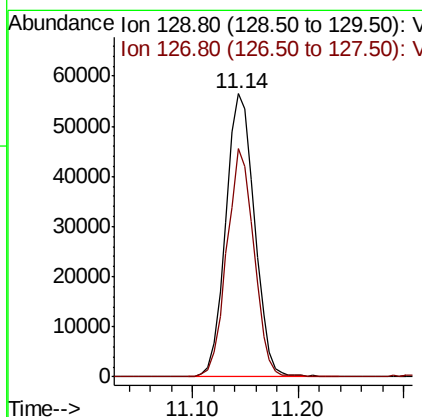
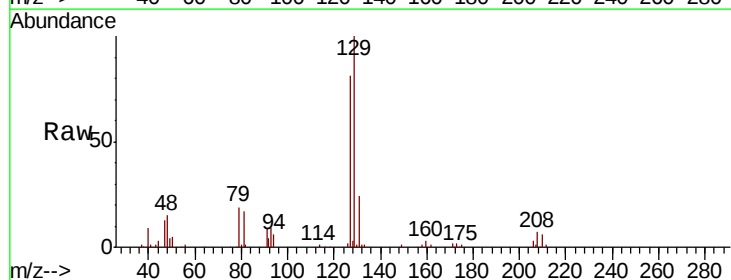
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#60
Dibromochloromethane
Concen: 20.702 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064283.D
Acq: 19 Nov 2019 12:03

Tgt Ion: 129 Resp: 105777
Ion Ratio Lower Upper
129 100
127 76.4 38.6 115.8





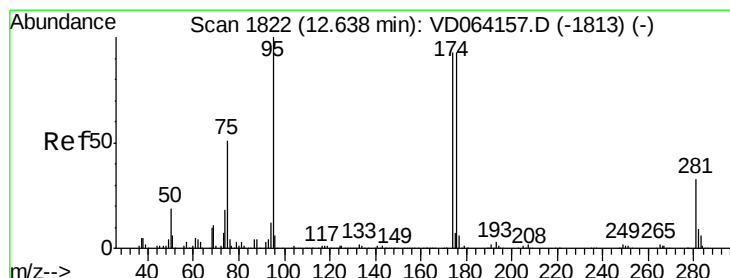
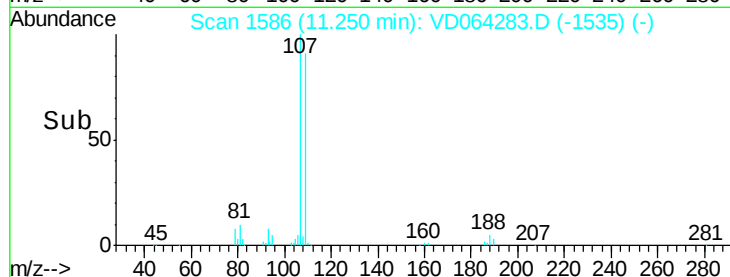
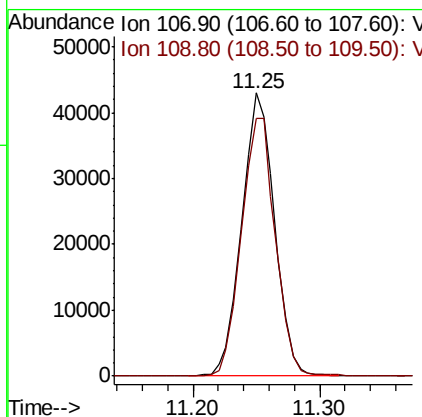
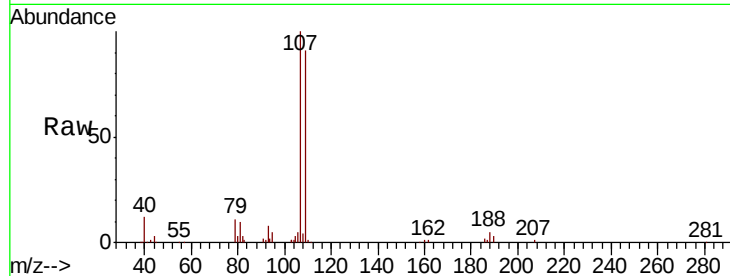
#61
 1,2-Dibromoethane
 Concen: 21.093 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064283.D
 Acq: 19 Nov 2019 12:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1119SBS01

Tot Ion: 107 Resp: 77360
 Ion Ratio Lower Upper
 107 100
 109 94.1 75.1 112.7

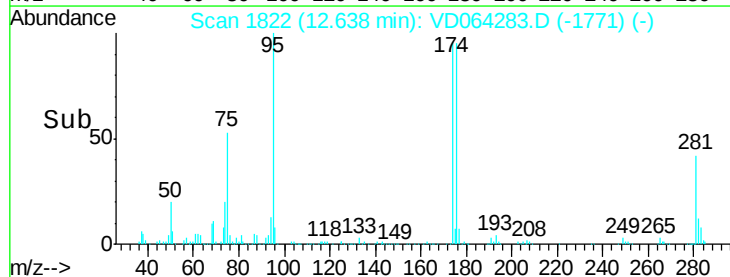
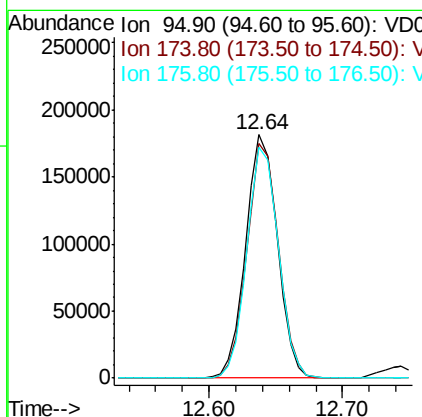
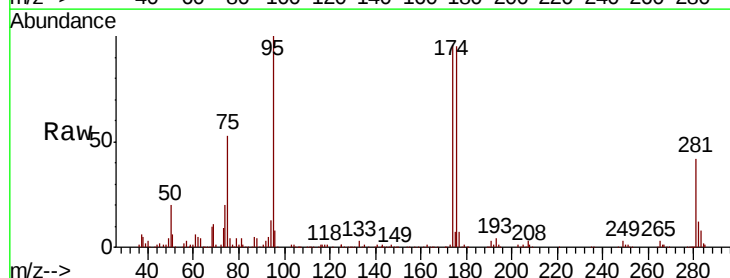
Manual Integrations
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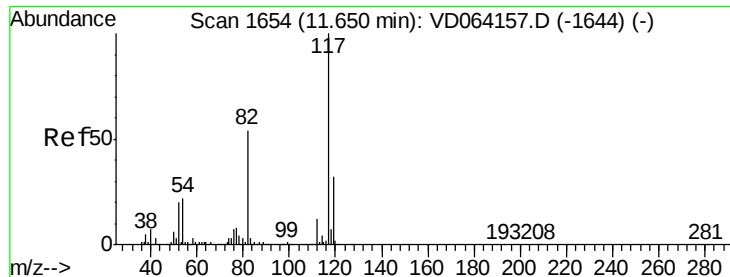
MMDadoda
 11/20/2019 9:56:52 AM



#62
 4-Bromofluorobenzene
 Concen: 48.291 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064283.D
 Acq: 19 Nov 2019 12:03

Tgt Ion: 95 Resp: 297407
 Ion Ratio Lower Upper
 95 100
 174 96.2 0.0 183.6
 176 94.6 0.0 180.2





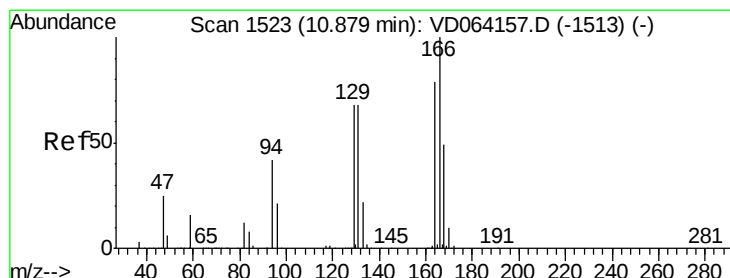
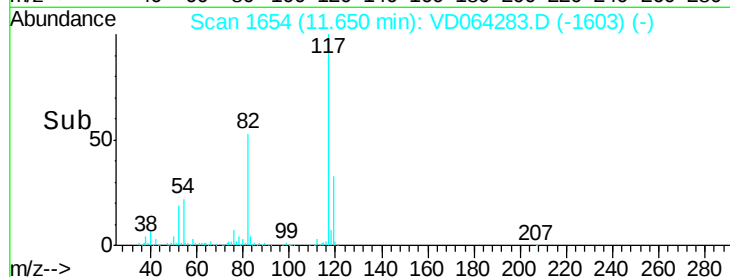
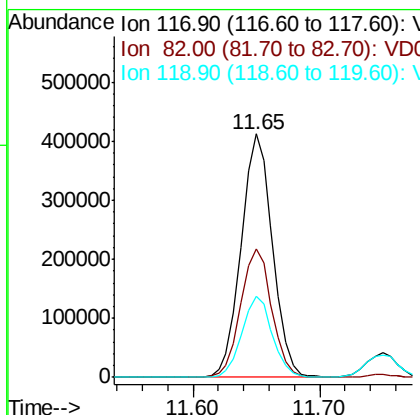
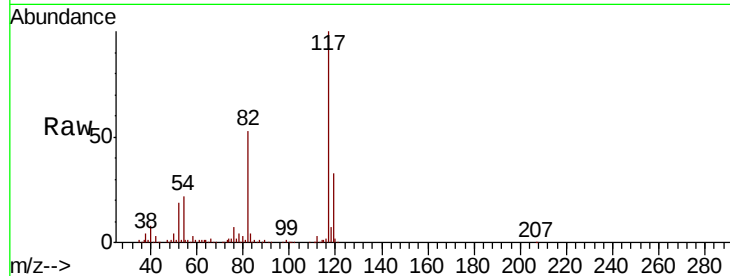
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064283.D
Acq: 19 Nov 2019 12:03

Instrument :
MSVOA_D
ClientSampleId :
VD1119SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	706012		
82	53.0		42.8	64.2
119	33.3		25.6	38.4

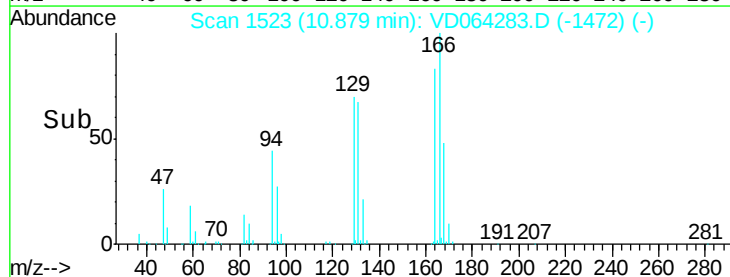
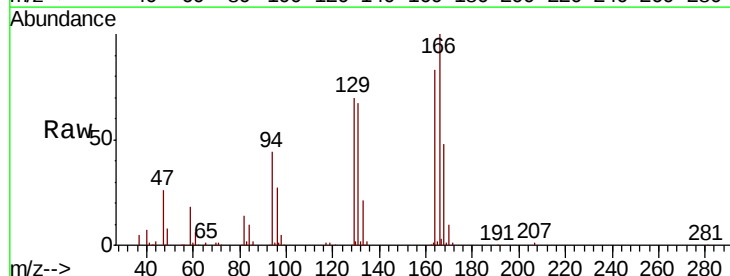
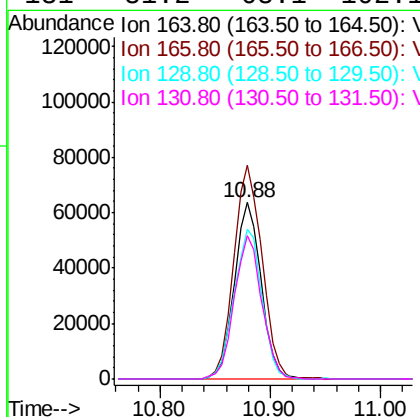
Manual Integrations
APPROVED

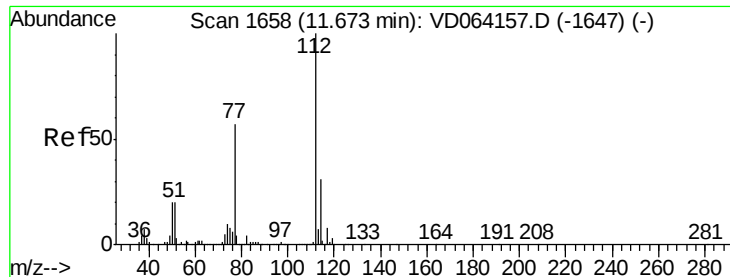
MMDadoda
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#64
Tetrachloroethene
Concen: 20.039 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064283.D
Acq: 19 Nov 2019 12:03

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	108810		
166	121.1		100.8	151.2
129	84.9		68.7	103.1
131	81.2		68.1	102.1





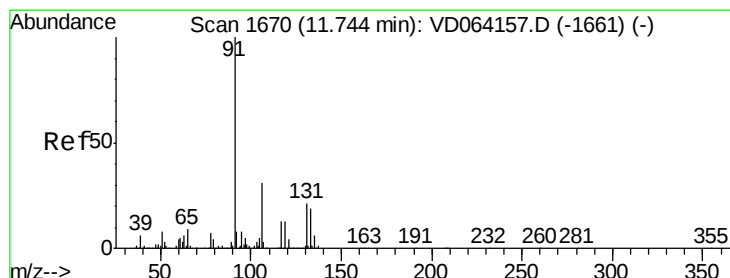
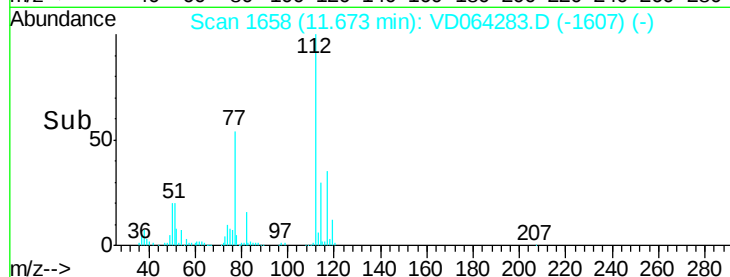
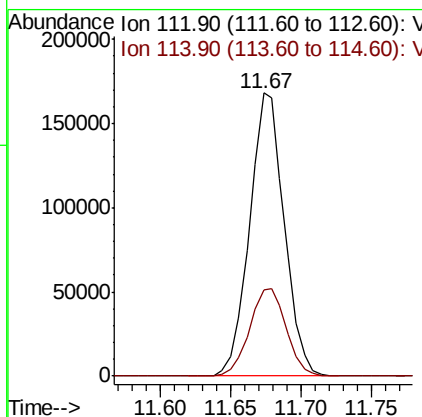
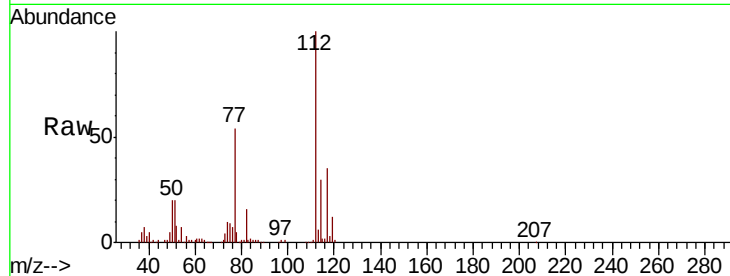
#65
Chlorobenzene
Concen: 20.148 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064283.D
Acq: 19 Nov 2019 12:03

Instrument :
MSVOA_D
ClientSampleId :
VD1119SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.5	25.2	37.8

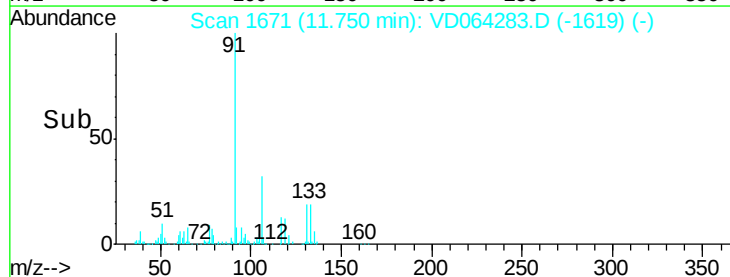
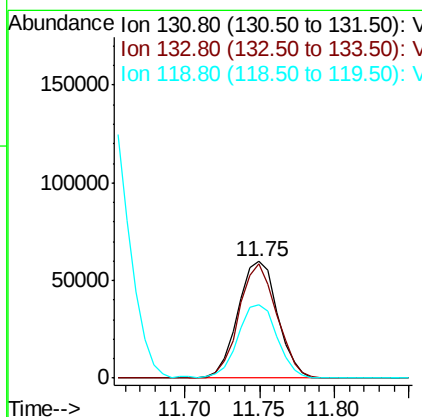
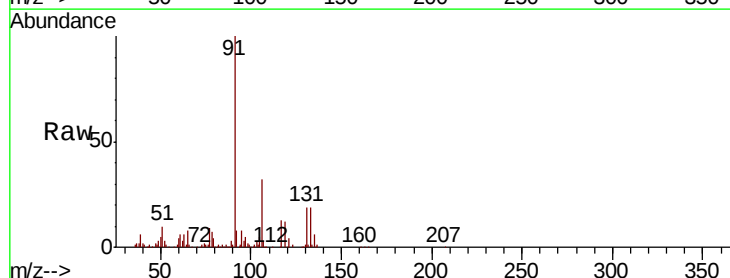
Manual Integrations
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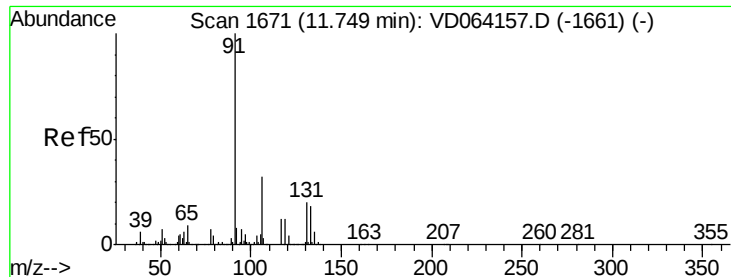
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.185 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064283.D
Acq: 19 Nov 2019 12:03

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.1	47.3	141.9
119	62.1	31.1	93.3





#67

Ethyl Benzene

Concen: 19.956 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064283.D

Acq: 19 Nov 2019 12:03

Instrument :

MSVOA_D

ClientSampleId :

VD1119SBS01

Tot Ion: 91 Resp: 518226

Ion Ratio Lower Upper

91 100

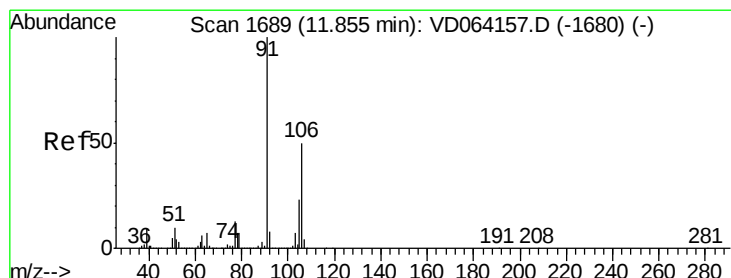
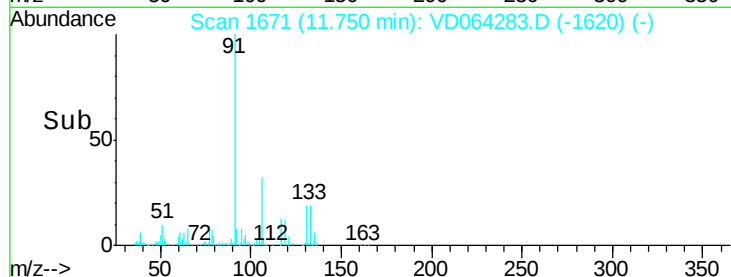
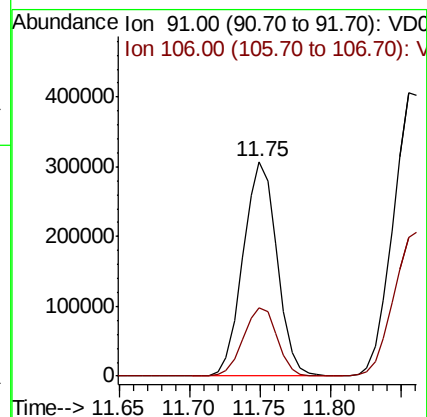
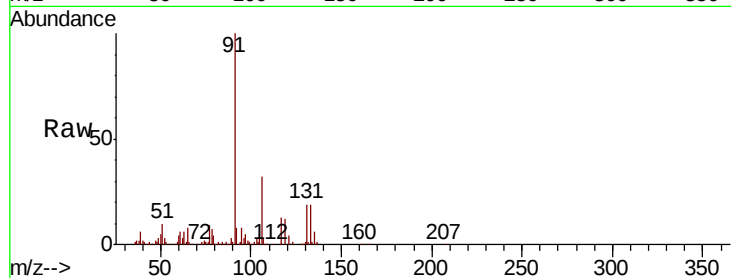
106 32.0 25.5 38.3

Manual Integrations

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#68

m/p-Xylenes

Concen: 39.673 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.01 min

Lab File: VD064283.D

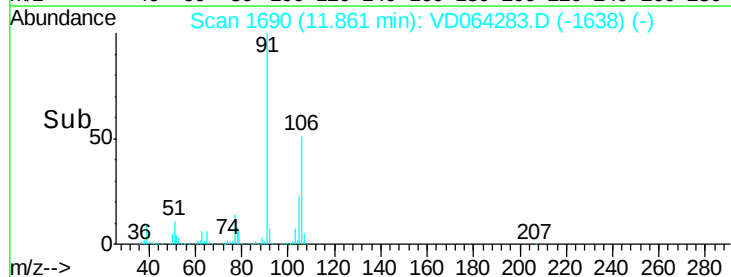
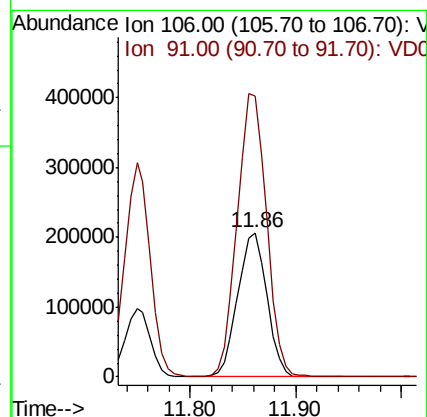
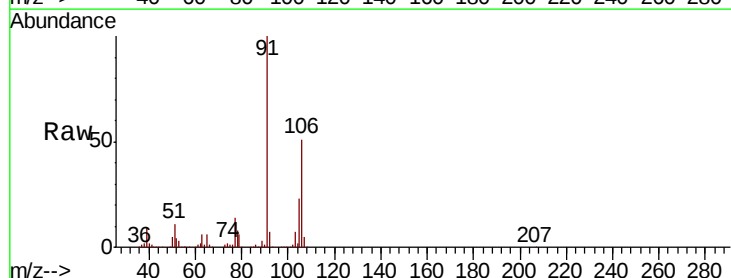
Acq: 19 Nov 2019 12:03

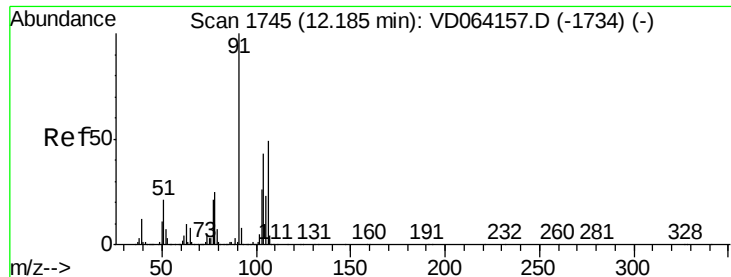
Tgt Ion: 106 Resp: 394907

Ion Ratio Lower Upper

106 100

91 197.5 160.3 240.5





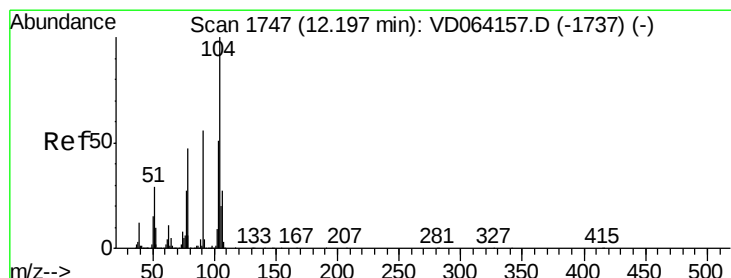
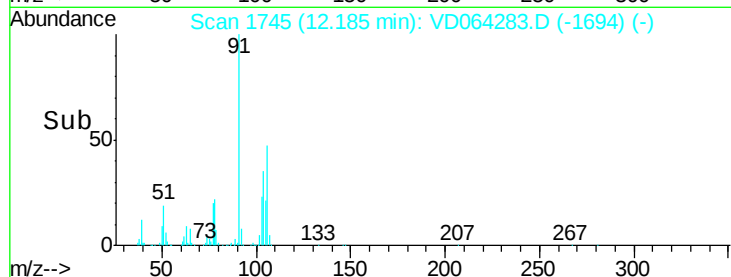
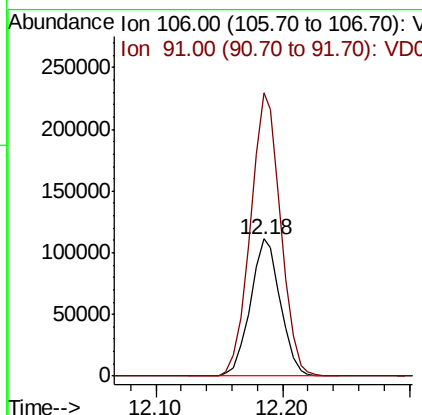
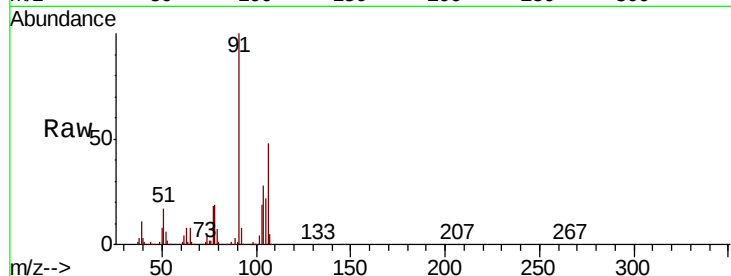
#69
o-Xylene
Concen: 19.818 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064283.D
Acq: 19 Nov 2019 12:03

Instrument :
MSVOA_D
ClientSampleId :
VD1119SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	207.7	105.1	315.3

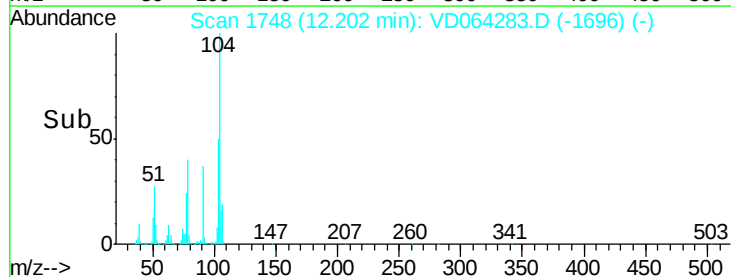
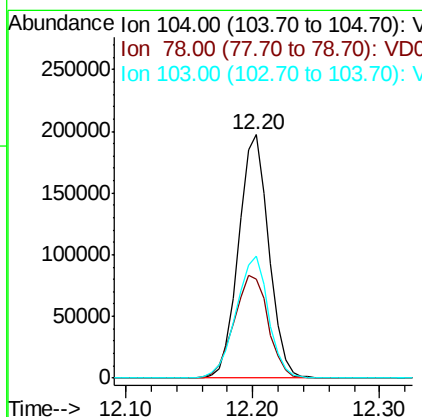
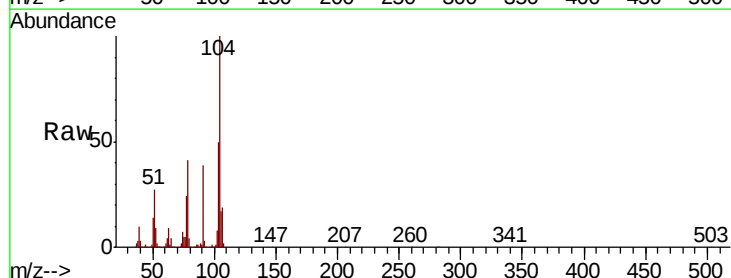
Manual Integrations
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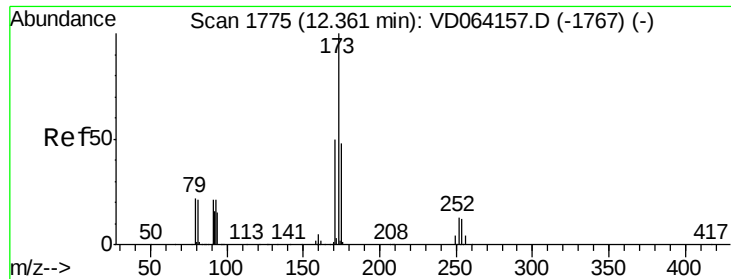
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#70
Styrene
Concen: 20.210 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD064283.D
Acq: 19 Nov 2019 12:03

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.8	39.9	59.9
103	53.8	43.4	65.0





#71

Bromoform

Concen: 20.426 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064283.D

Acq: 19 Nov 2019 12:03

Instrument :

MSVOA_D

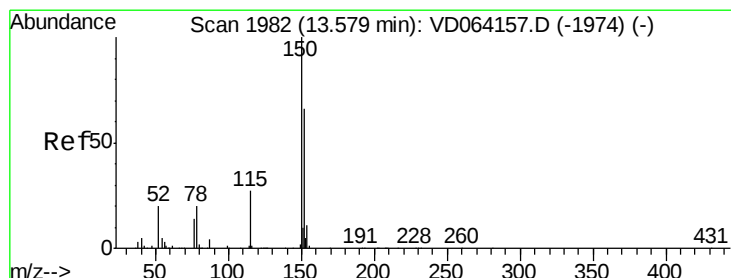
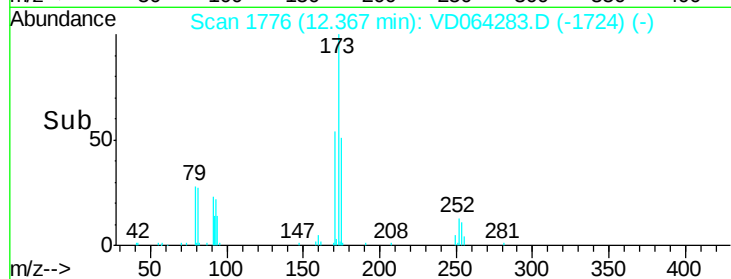
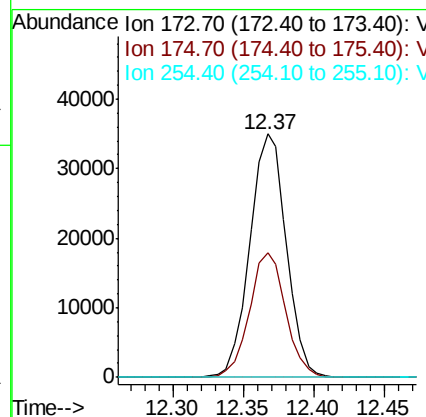
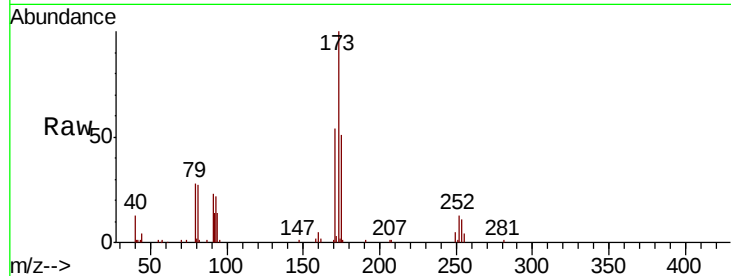
ClientSampleId :

VD1119SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.6	24.1	72.3
254	0.0	0.2	0.2

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

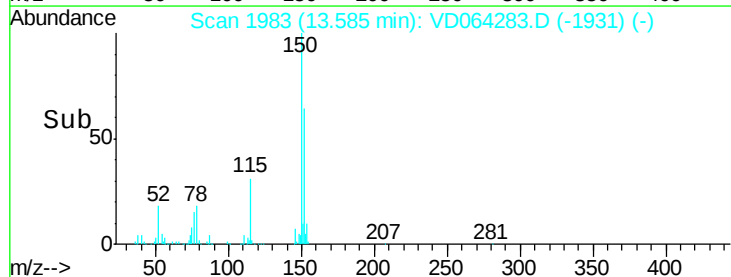
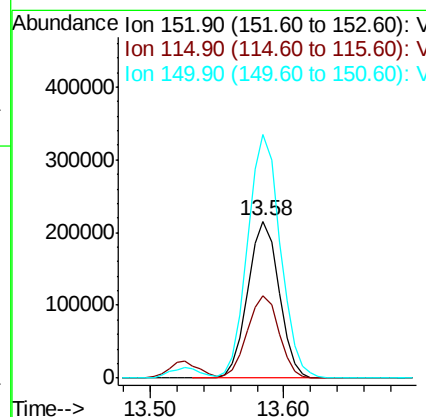
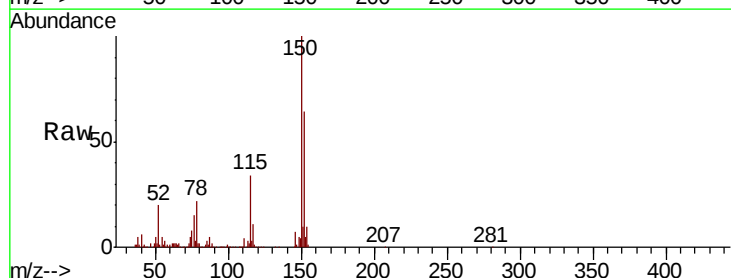
RT: 13.58 min Scan# 1983

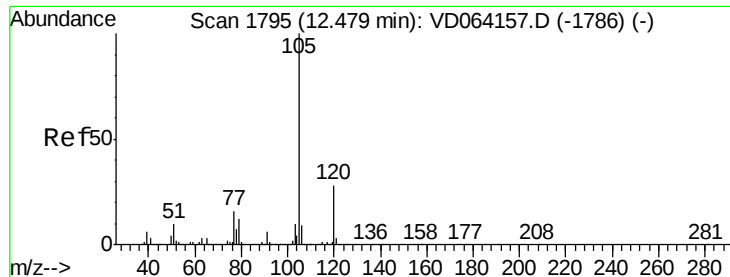
Delta R.T. 0.01 min

Lab File: VD064283.D

Acq: 19 Nov 2019 12:03

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.1	27.4	82.2
150	162.3	0.0	351.6





#73

Isopropylbenzene

Concen: 19.827 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD064283.D

Acq: 19 Nov 2019 12:03

Instrument :

MSVOA_D

ClientSampleId :

VD1119SBS01

Tot Ion: 105 Resp: 506905

Ion Ratio Lower Upper

105 100

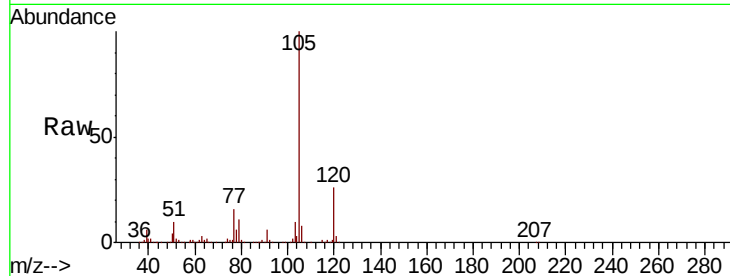
120 26.8 13.6 40.8

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

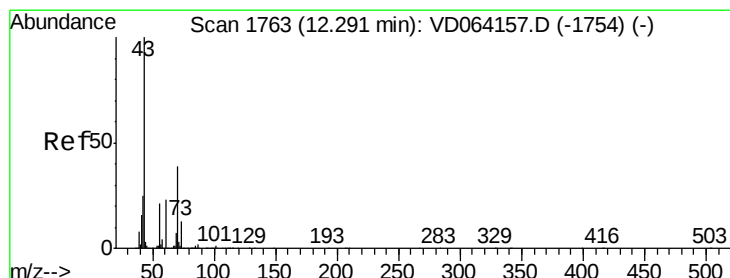
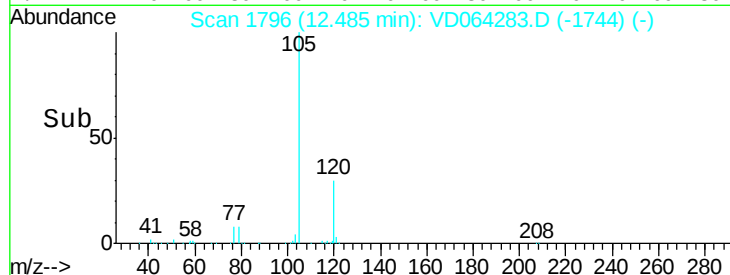
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 19.285 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064283.D

Acq: 19 Nov 2019 12:03

Tgt Ion: 43 Resp: 116430

Ion Ratio Lower Upper

43 100

70 41.0 32.4 48.6

55 21.9 17.9 26.9

61 23.4 19.0 28.4

Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

120000

100000

80000

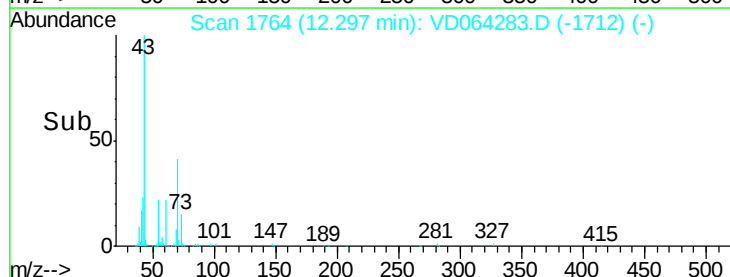
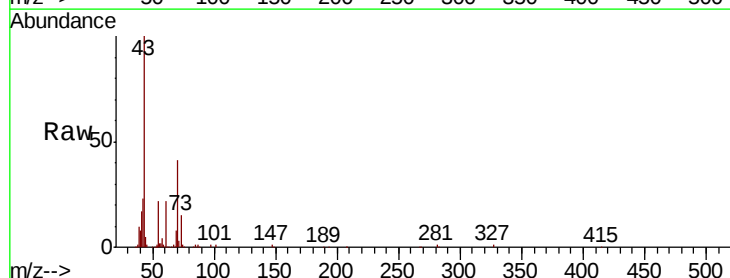
60000

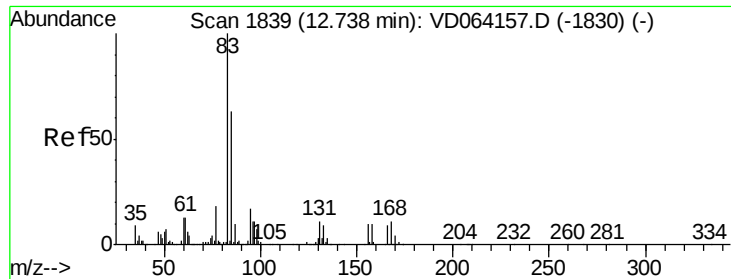
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.727 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064283.D

Acq: 19 Nov 2019 12:03

Instrument :

MSVOA_D

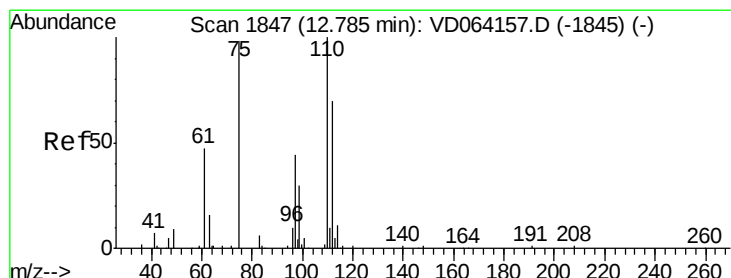
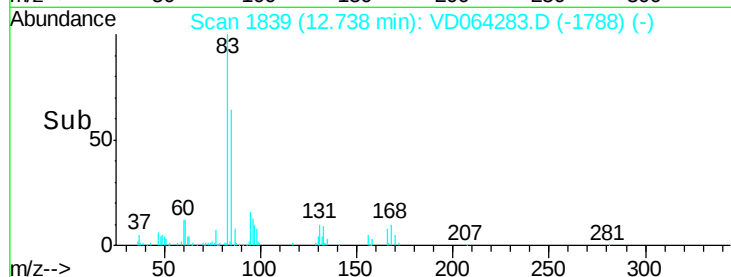
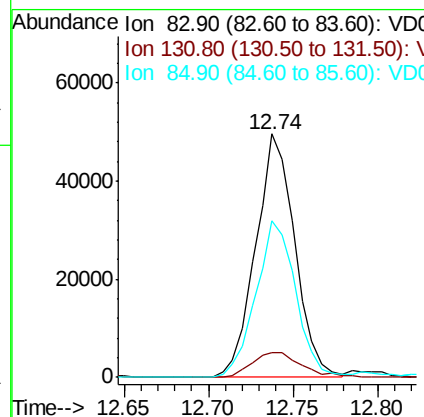
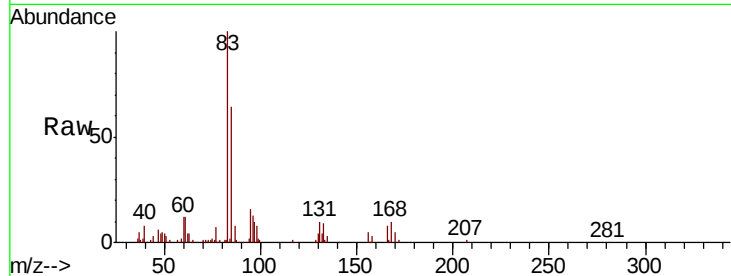
ClientSampleId :

VD1119SBS01

Tot Ion:	83	Resp:	79848
Ion	Ratio	Lower	Upper
83	100		
131	13.0	5.9	17.7
85	65.5	32.5	97.5

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#76

1,2,3-Trichloropropane

Concen: 24.267 ug/l m

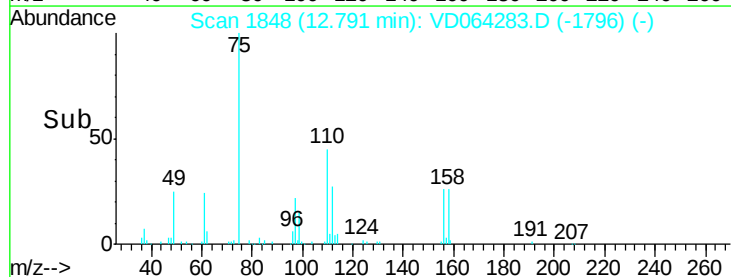
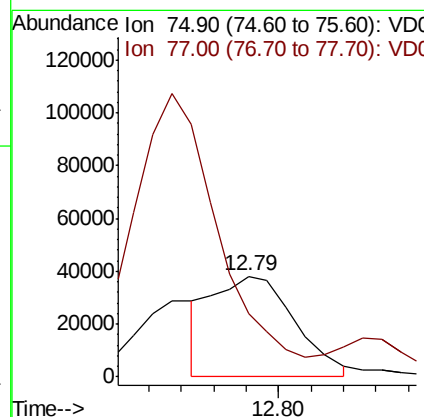
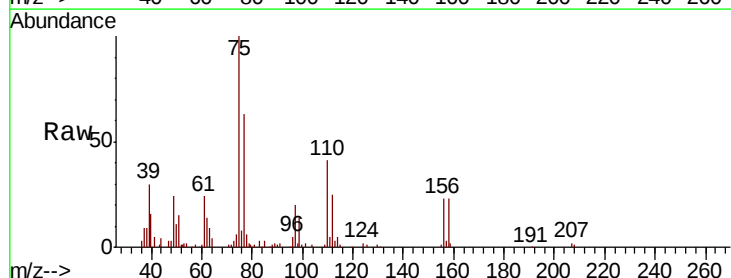
RT: 12.79 min Scan# 1848

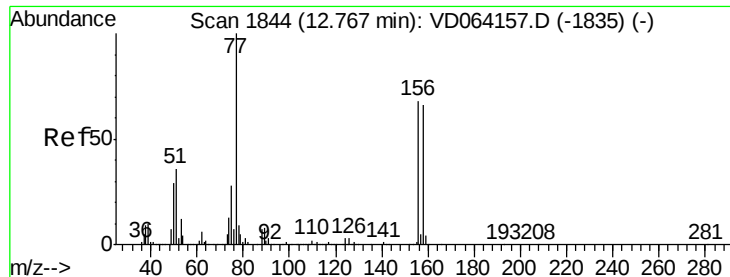
Delta R.T. 0.01 min

Lab File: VD064283.D

Acq: 19 Nov 2019 12:03

Tgt Ion:	75	Resp:	68082
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.983 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064283.D

Acq: 19 Nov 2019 12:03

Instrument :

MSVOA_D

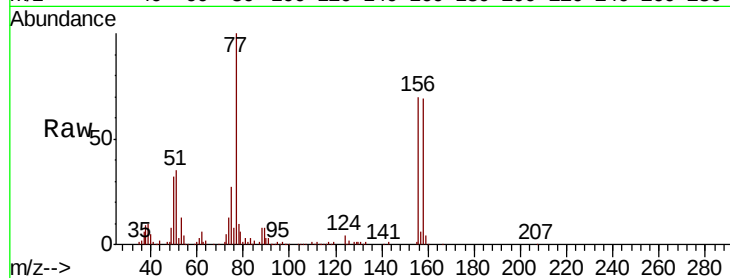
ClientSampleId :

VD1119SBS01

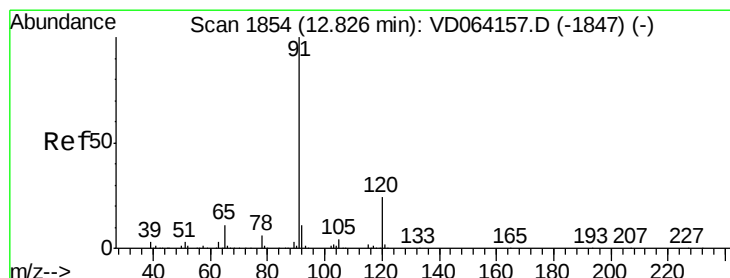
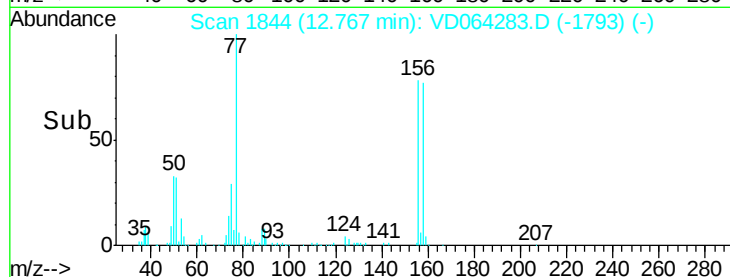
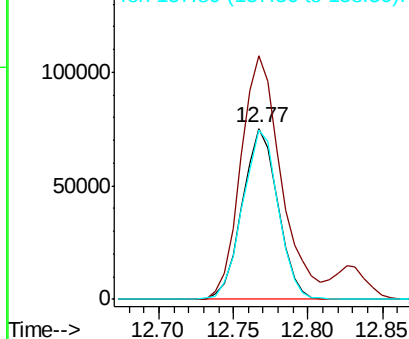
Tot Ion:	156	Resp:	124120
Ion Ratio	Lower	Upper	
156	100		
77	161.4	81.2	243.4
158	98.9	48.4	145.2

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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VDC
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.840 ug/l

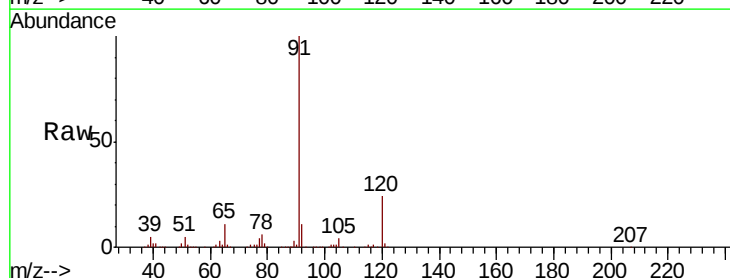
RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

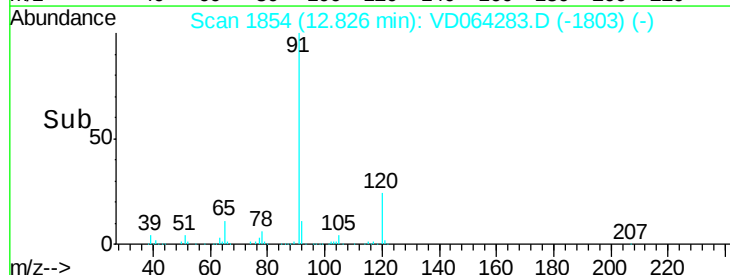
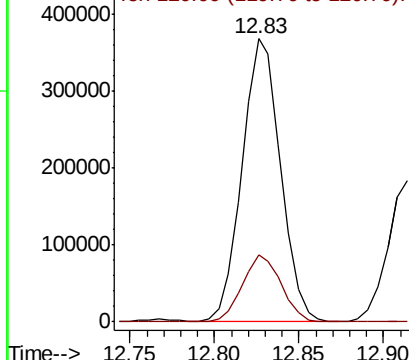
Lab File: VD064283.D

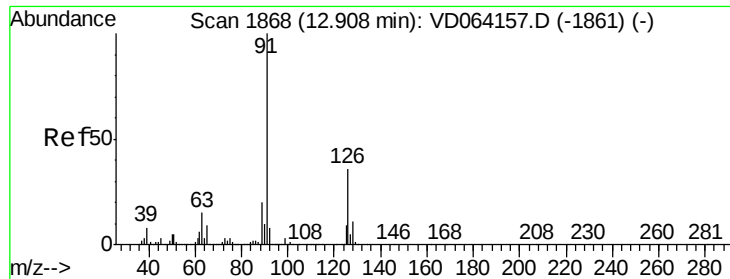
Acq: 19 Nov 2019 12:03

Tgt Ion:	91	Resp:	579527
Ion Ratio	Lower	Upper	
91	100		
120	23.7	11.8	35.4



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.097 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.01 min

Lab File: VD064283.D

Acq: 19 Nov 2019 12:03

Instrument :

MSVOA_D

ClientSampleId :

VD1119SBS01

Tot Ion: 91 Resp: 314928

Ion Ratio Lower Upper

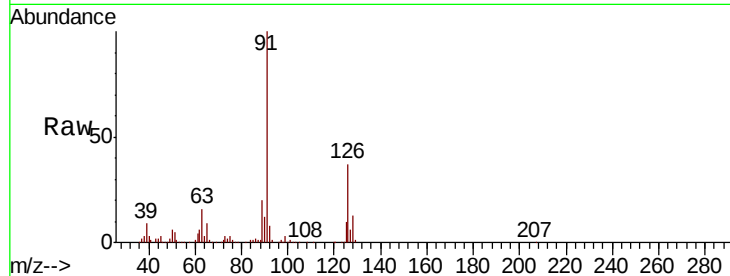
91 100

126 35.7 17.7 53.1

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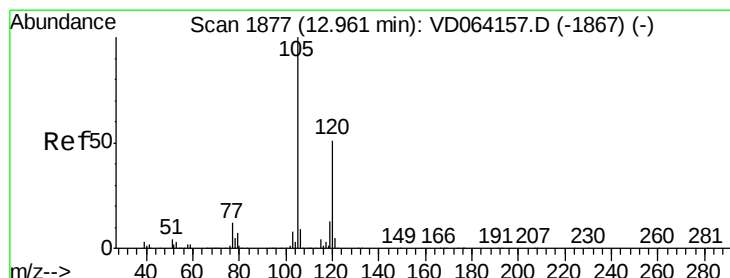
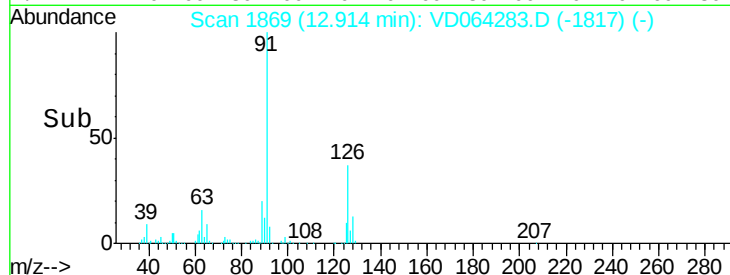
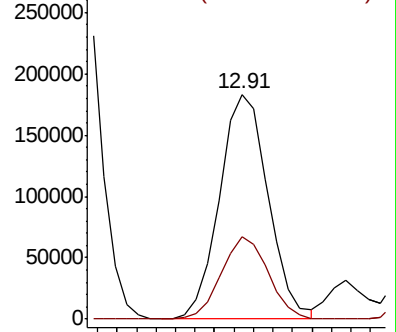
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Abundance Ion 91.00 (90.70 to 91.70): VD064157.D (-1861) (-)

Ion 125.90 (125.60 to 126.60): VD064157.D (-1861) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.220 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.01 min

Lab File: VD064283.D

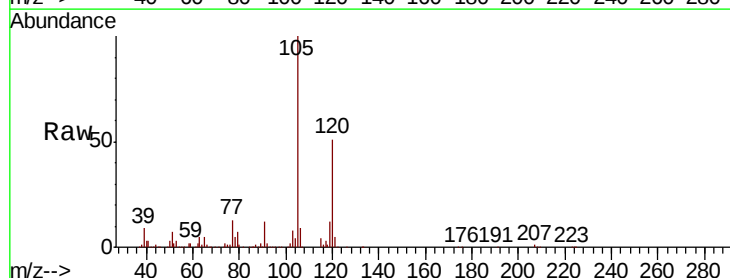
Acq: 19 Nov 2019 12:03

Tgt Ion: 105 Resp: 403764

Ion Ratio Lower Upper

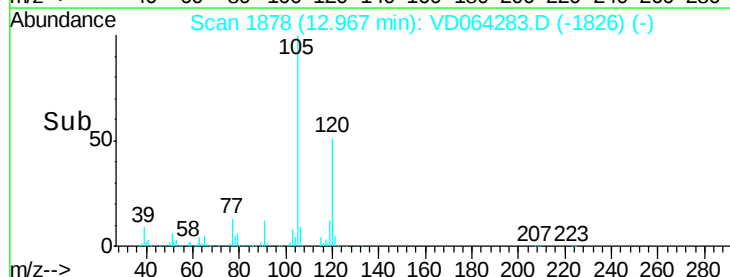
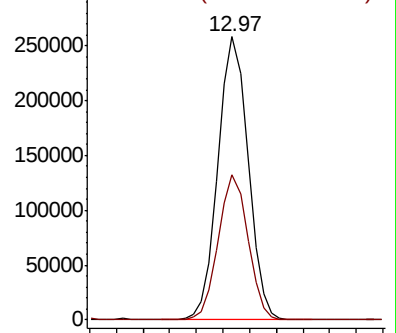
105 100

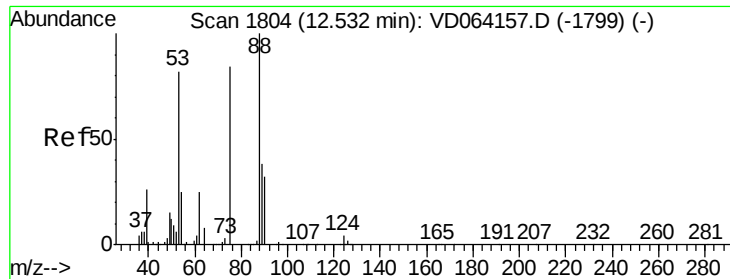
120 50.6 25.4 76.4



Abundance Ion 105.00 (104.70 to 105.70): VD064157.D (-1867) (-)

Ion 120.00 (119.70 to 120.70): VD064157.D (-1867) (-)





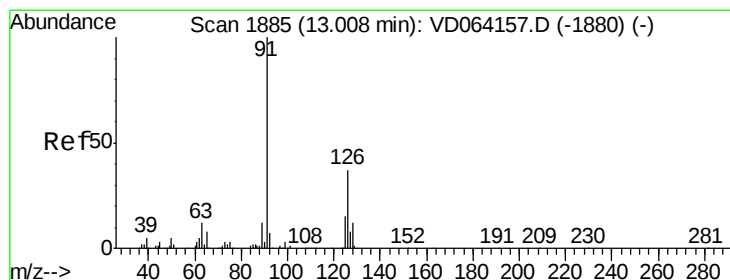
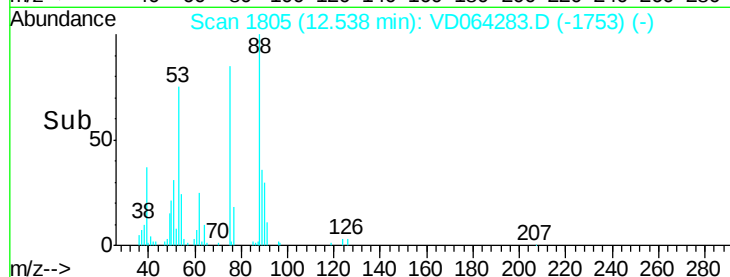
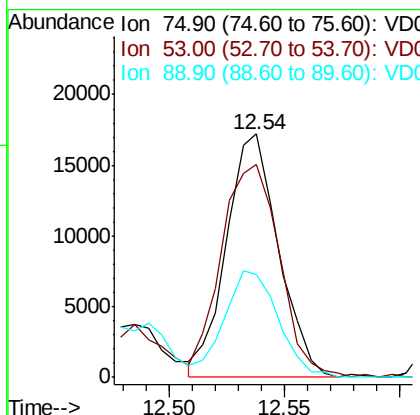
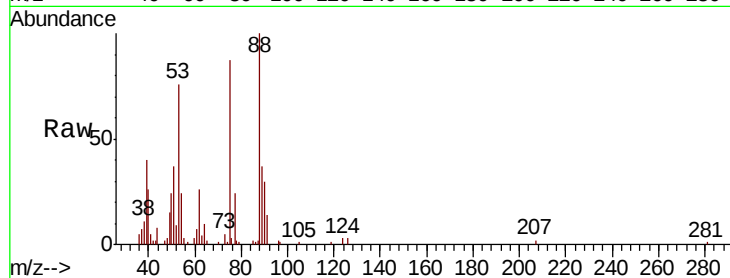
#81
trans-1,4-Dichloro-2-butene
Concen: 19.130 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. 0.01 min
Lab File: VD064283.D
Acq: 19 Nov 2019 12:03

Instrument :
MSVOA_D
ClientSampleId :
VD1119SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	98.6	79.4	119.0
89	45.6	36.6	55.0

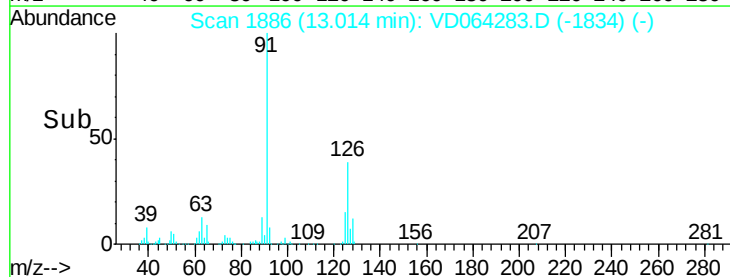
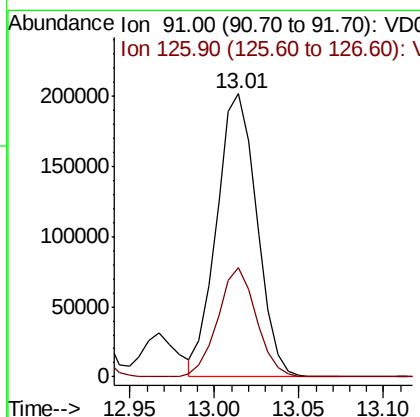
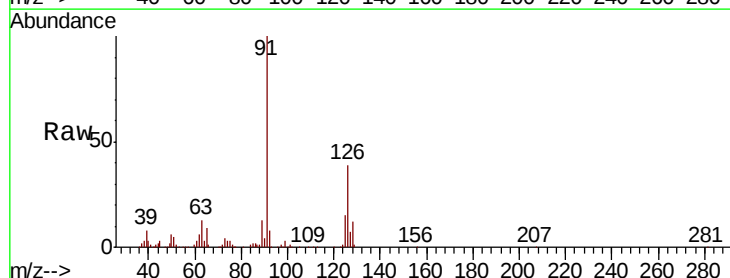
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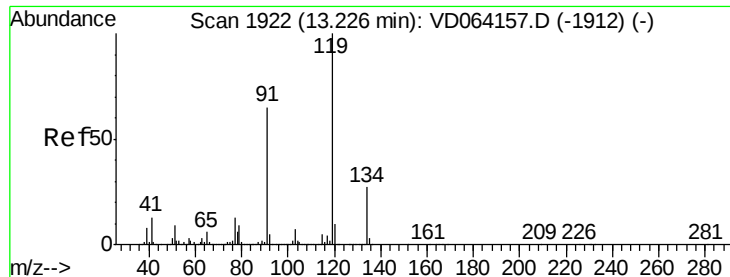
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#82
4-Chlorotoluene
Concen: 19.439 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.01 min
Lab File: VD064283.D
Acq: 19 Nov 2019 12:03

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.8	17.8	53.4





#83

tert-Butylbenzene

Concen: 19.377 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. 0.01 min

Lab File: VD064283.D

Acq: 19 Nov 2019 12:03

Instrument :

MSVOA_D

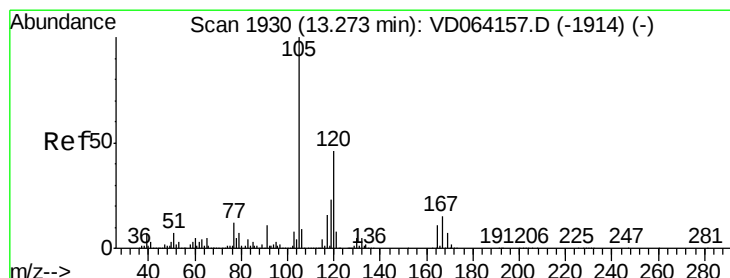
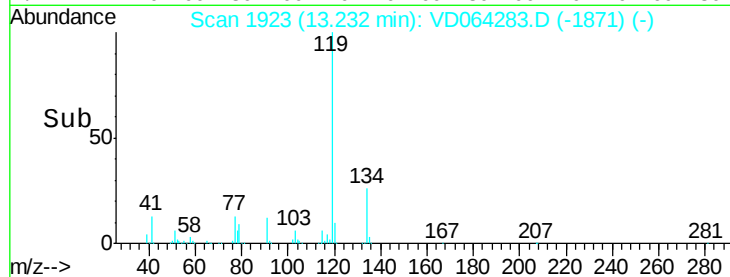
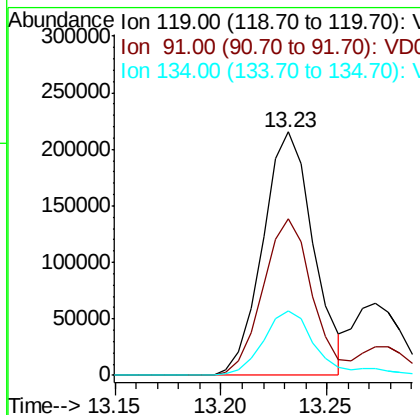
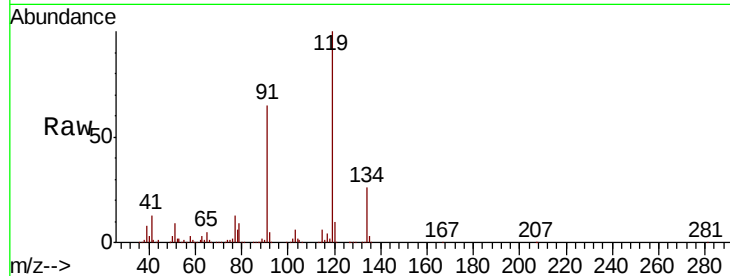
ClientSampleId :

VD1119SBS01

Tot Ion:	119	Resp:	358950
Ion Ratio	Lower	Upper	
119	100		
91	63.2	31.8	95.4
134	28.1	13.7	41.0

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#84

1,2,4-Trimethylbenzene

Concen: 19.337 ug/l

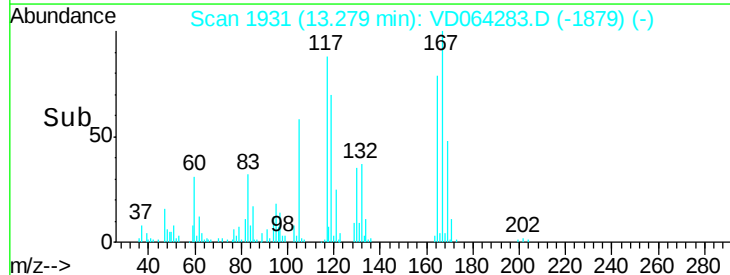
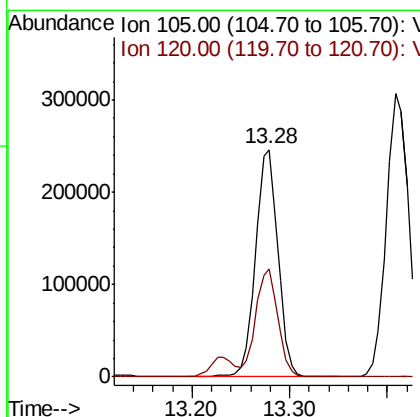
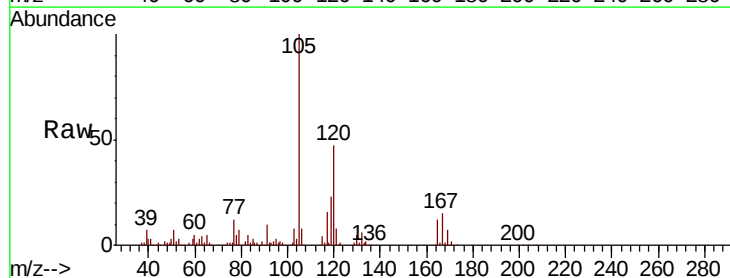
RT: 13.28 min Scan# 1931

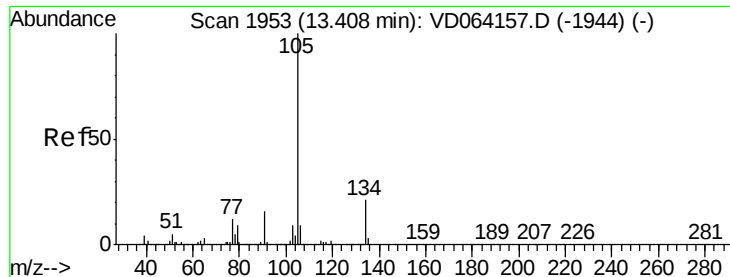
Delta R.T. 0.01 min

Lab File: VD064283.D

Acq: 19 Nov 2019 12:03

Tgt Ion:	105	Resp:	401045
Ion Ratio	Lower	Upper	
105	100		
120	46.6	23.3	69.8





#85

sec-Butylbenzene

Concen: 19.760 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064283.D

Acq: 19 Nov 2019 12:03

Instrument :

MSVOA_D

ClientSampleId :

VD1119SBS01

Tot Ion:105 Resp: 491624

Ion Ratio Lower Upper

105 100

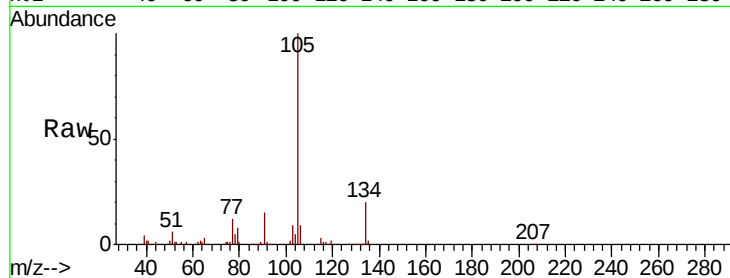
134 21.2 10.7 31.9

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.41

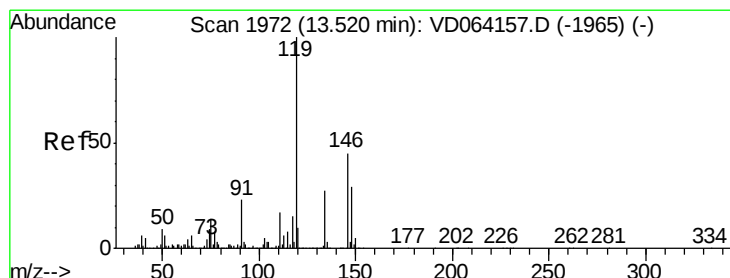
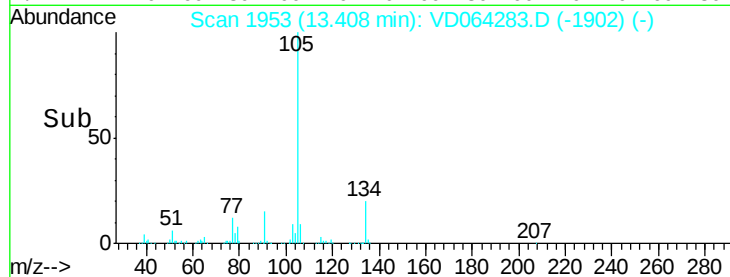
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 19.060 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.01 min

Lab File: VD064283.D

Acq: 19 Nov 2019 12:03

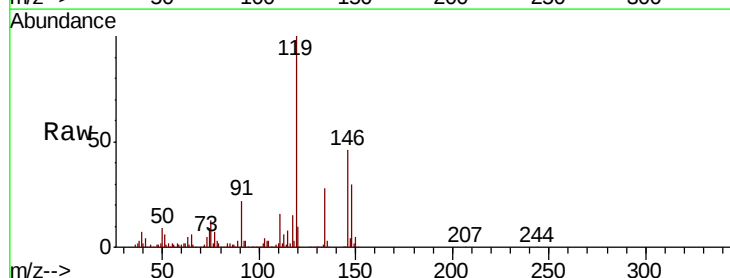
Tgt Ion:119 Resp: 450839

Ion Ratio Lower Upper

119 100

134 27.2 13.5 40.5

91 23.0 11.5 34.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.53

400000

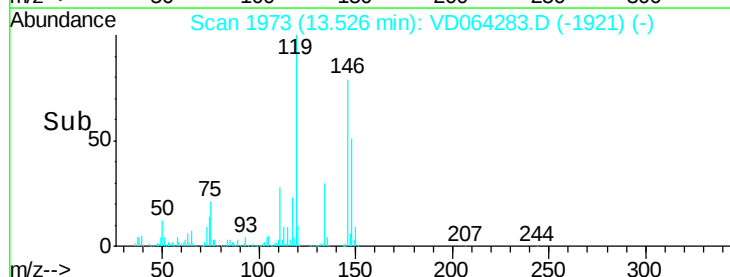
300000

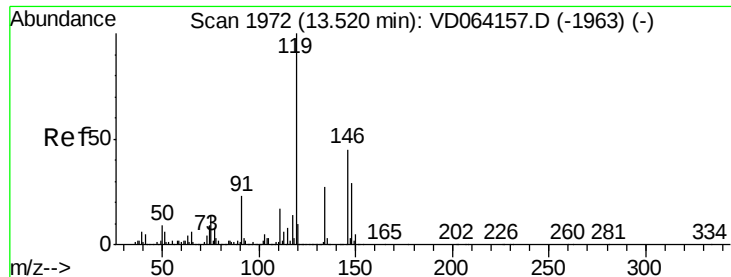
200000

100000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 19.906 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.01 min

Lab File: VD064283.D

Acq: 19 Nov 2019 12:03

Instrument :

MSVOA_D

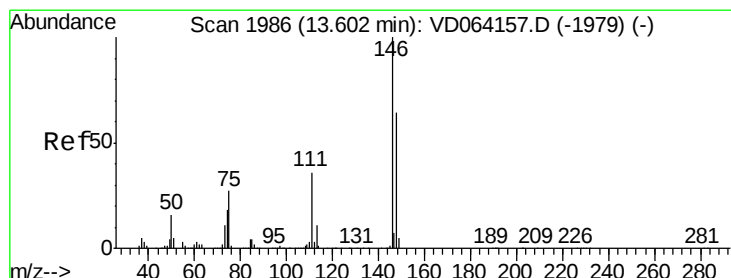
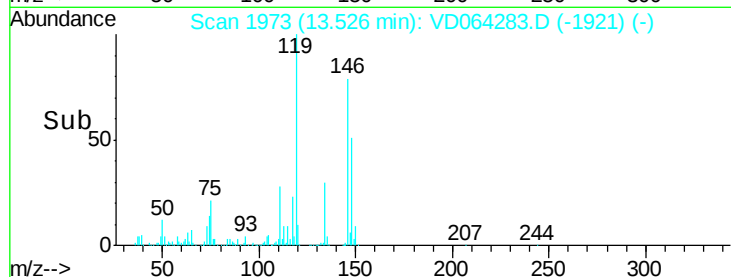
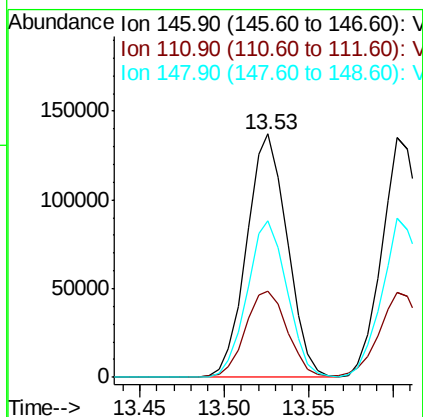
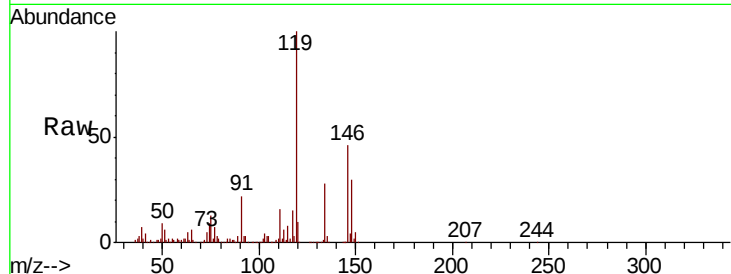
ClientSampleId :

VD1119SBS01

Tot Ion:	146	Resp:	229514
Ion Ratio	Lower	Upper	
146	100		
111	36.6	18.9	56.9
148	63.3	32.1	96.5

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#88

1,4-Dichlorobenzene

Concen: 19.776 ug/l

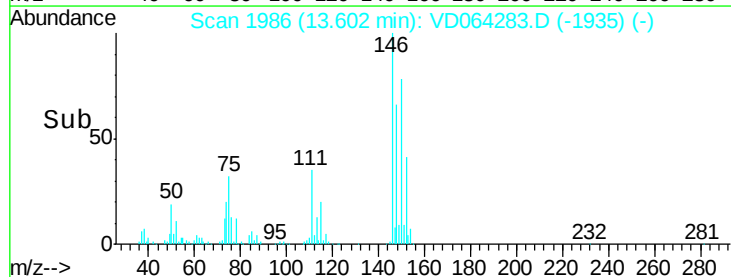
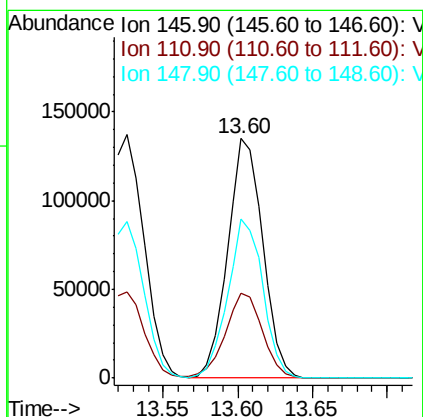
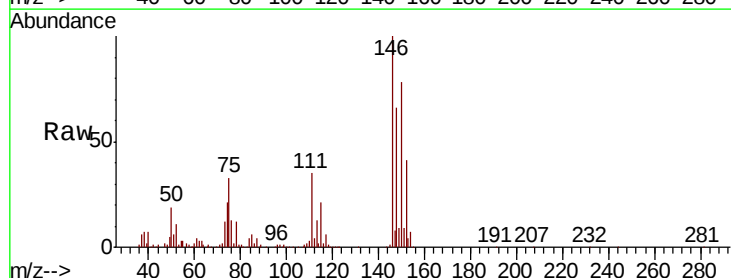
RT: 13.60 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VD064283.D

Acq: 19 Nov 2019 12:03

Tgt Ion:	146	Resp:	222533
Ion Ratio	Lower	Upper	
146	100		
111	37.9	18.1	54.4
148	66.3	31.9	95.7





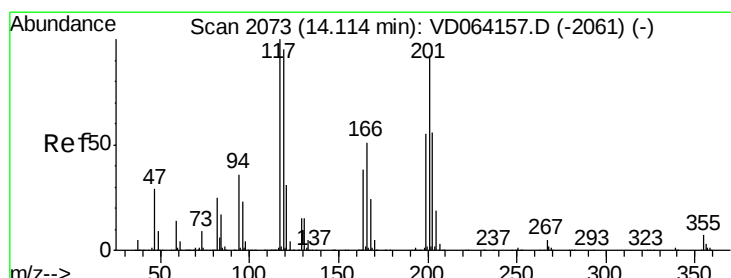
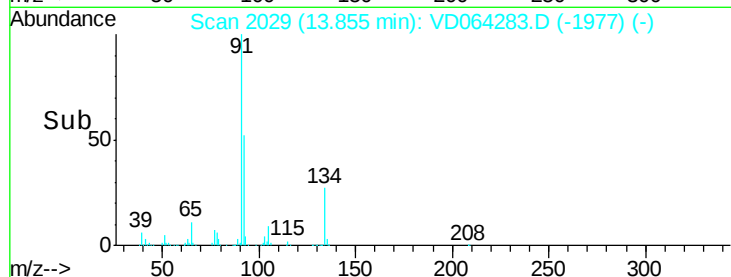
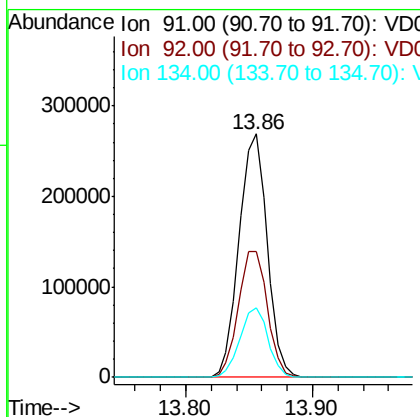
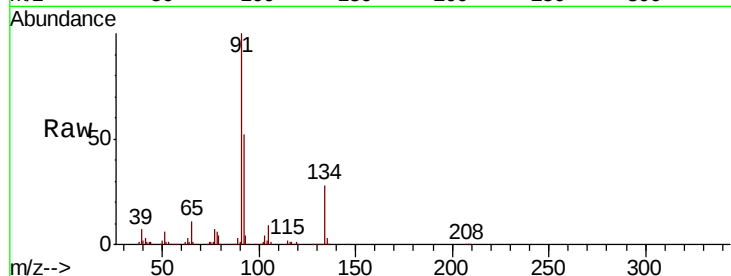
#89
n-Butylbenzene
Concen: 19.328 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD064283.D
Acq: 19 Nov 2019 12:03

Instrument :
MSVOA_D
ClientSampleId :
VD1119SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.5	27.3	81.8
134	28.7	14.1	42.4

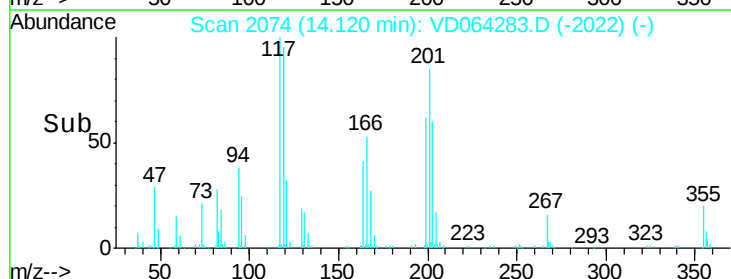
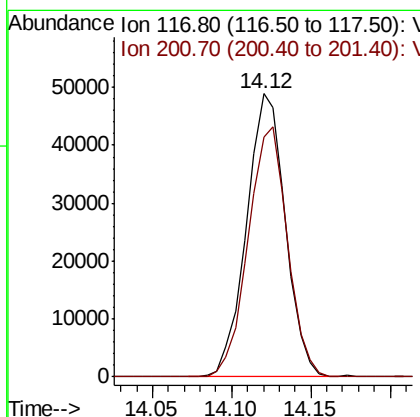
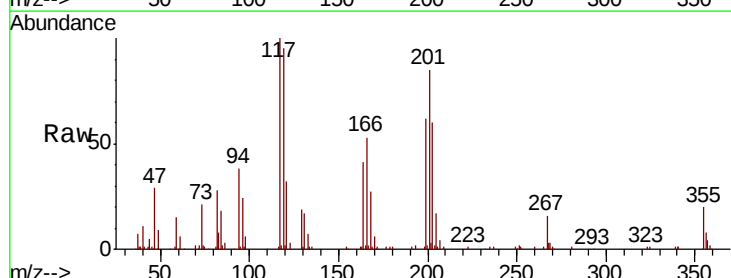
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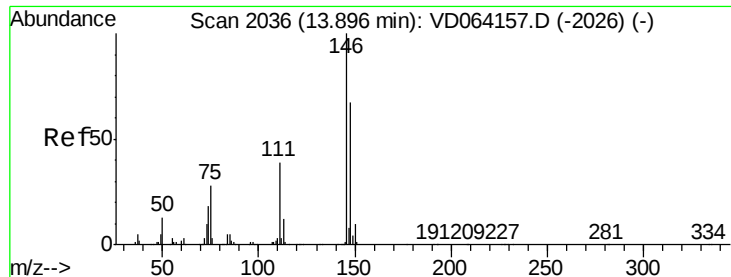
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#90
Hexachloroethane
Concen: 19.054 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD064283.D
Acq: 19 Nov 2019 12:03

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.2	45.8	137.4





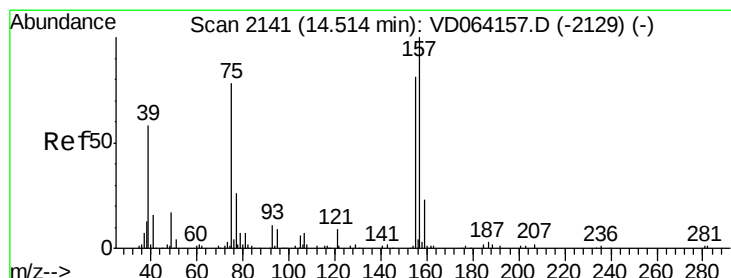
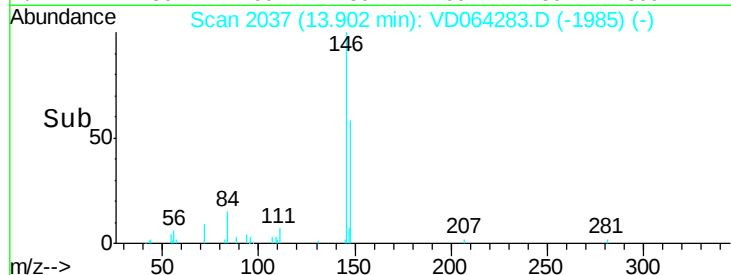
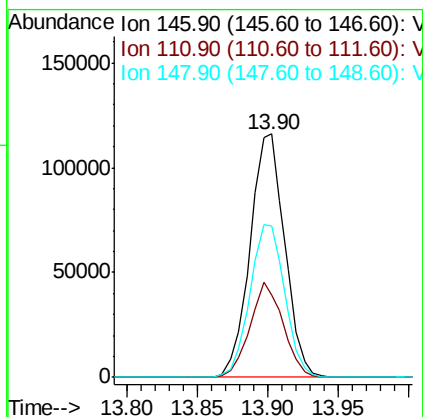
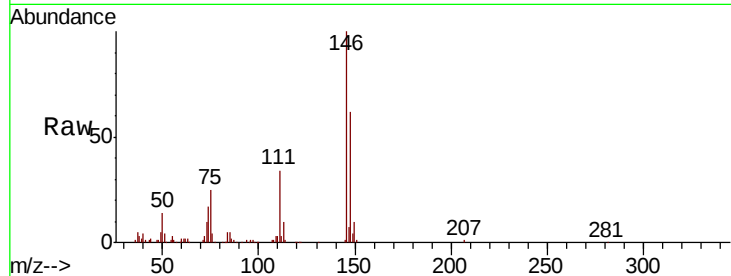
#91
 1,2-Dichlorobenzene
 Concen: 20.489 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.01 min
 Lab File: VD064283.D
 Acq: 19 Nov 2019 12:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1119SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	19.7	59.0
148	63.3	32.3	96.8

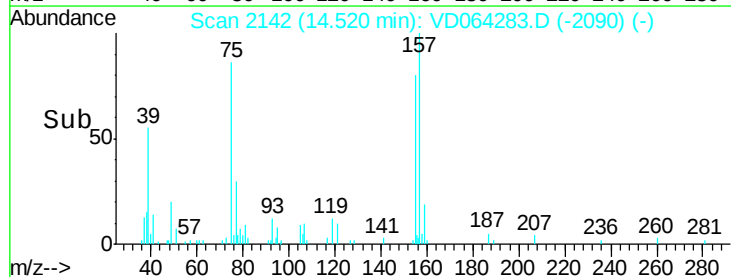
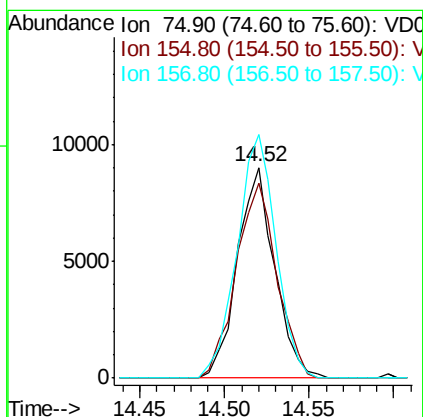
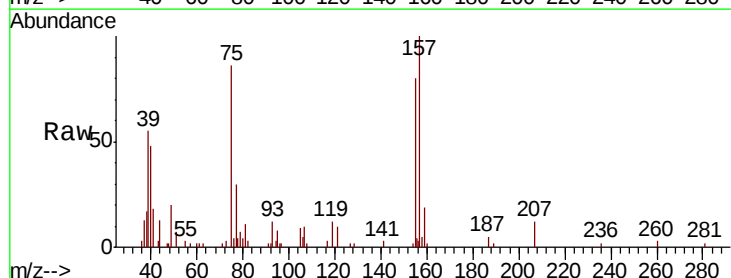
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.006 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.01 min
 Lab File: VD064283.D
 Acq: 19 Nov 2019 12:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.9	48.0	144.0
157	121.1	61.5	184.4





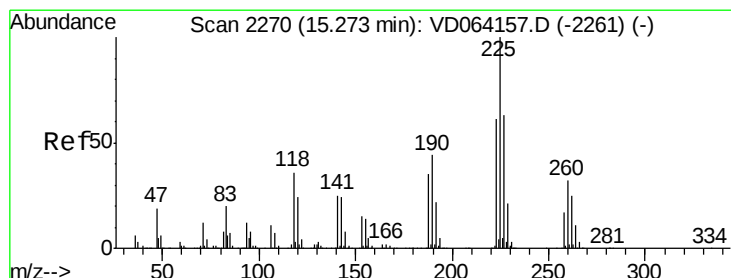
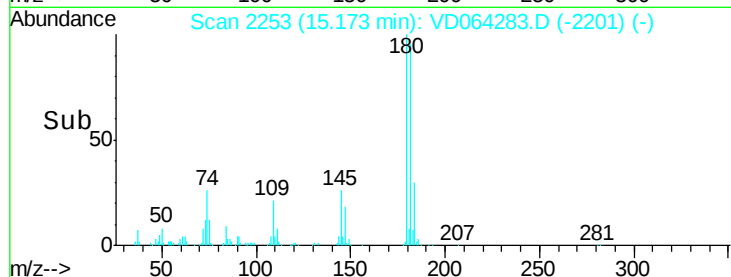
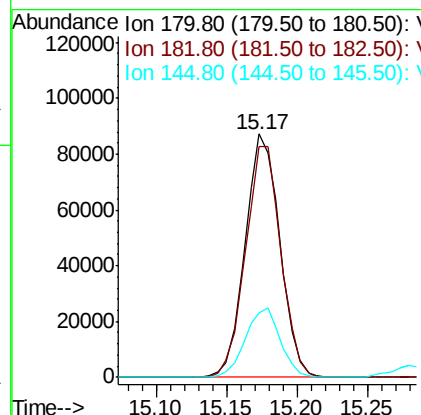
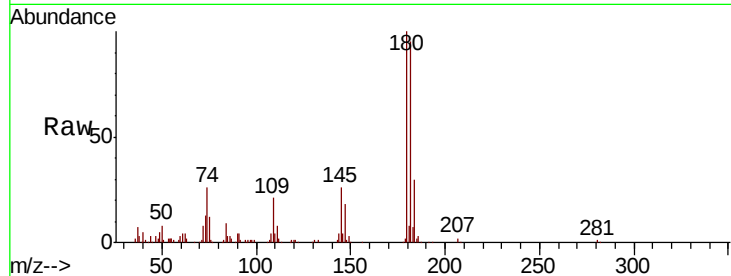
#93
 1,2,4-Trichlorobenzene
 Concen: 19.933 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD064283.D
 Acq: 19 Nov 2019 12:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1119SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	150058		
182	96.7	47.5	142.5	
145	28.8	14.2	42.6	

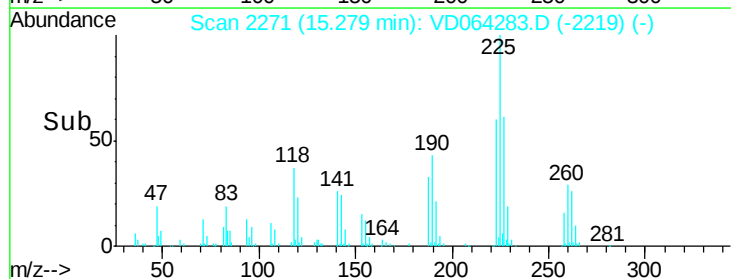
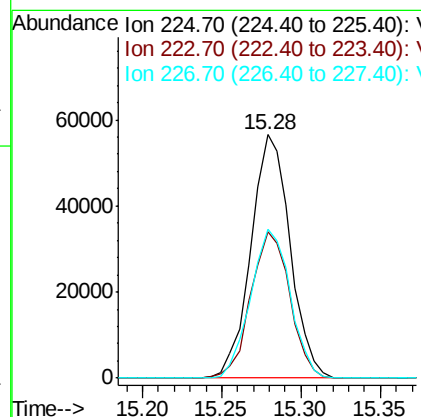
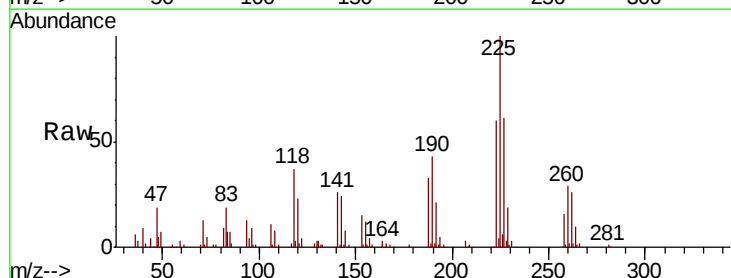
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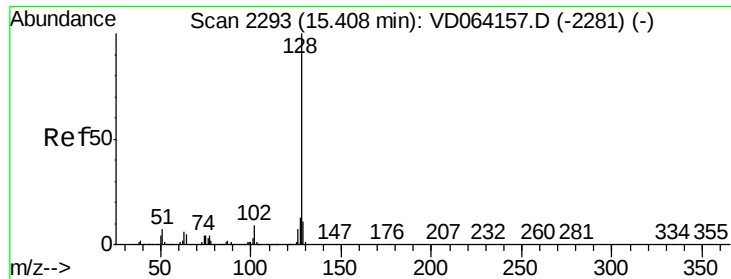
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#94
 Hexachlorobutadiene
 Concen: 19.950 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD064283.D
 Acq: 19 Nov 2019 12:03

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	97002		
223	60.5	31.1	93.3	
227	61.8	31.5	94.5	





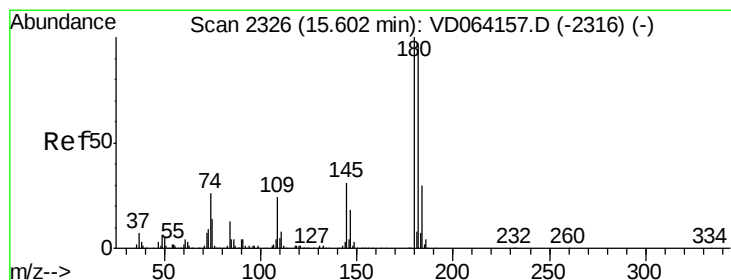
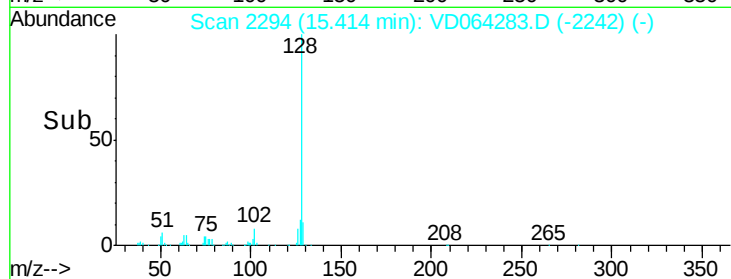
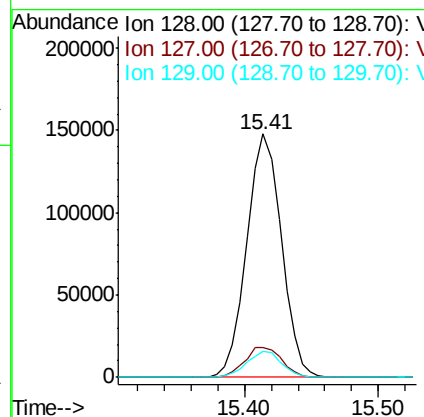
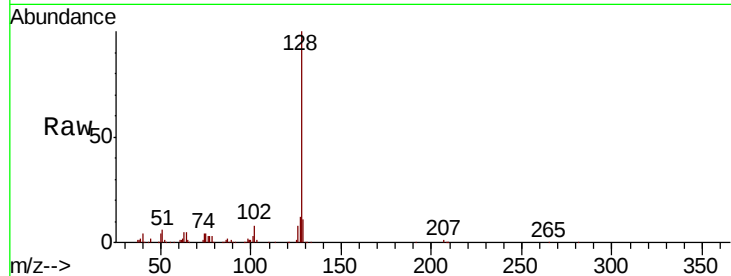
#95
Naphthalene
Concen: 21.515 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.01 min
Lab File: VD064283.D
Acq: 19 Nov 2019 12:03

Instrument :
MSVOA_D
ClientSampleId :
VD1119SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	265499		
127	13.2		10.5	15.7
129	10.8		8.6	13.0

Manual Integrations
APPROVED

MMDadoda
11/20/2019 9:56:52 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.296 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.01 min
Lab File: VD064283.D
Acq: 19 Nov 2019 12:03

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	129874		
182	94.4		48.3	144.9
145	29.3		15.3	45.8

