

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112019\
 Data File : VD064307.D
 Acq On : 20 Nov 2019 12:13
 Operator : VA/SY
 Sample : VD1120SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1120SBS01

Manual Integrations
 APPROVED

MMDadoda
 11/22/2019 12:52:14 AM

Quant Time: Nov 20 13:11:32 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	7.98	168	584549	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	845669	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	732877	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	355583	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	233116	48.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.98%	
35) Dibromofluoromethane	7.92	113	245782	50.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.26%	
50) Toluene-d8	10.34	98	898108	49.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.08%	
62) 4-Bromofluorobenzene	12.64	95	298190	47.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	86852	17.915	ug/l	95
3) Chloromethane	2.21	50	107748	20.720	ug/l	98
4) Vinyl Chloride	2.35	62	129902	23.360	ug/l	93
5) Bromomethane	2.76	94	89954	25.617	ug/l	90
6) Chloroethane	2.92	64	88104	24.795	ug/l	96
7) Trichlorofluoromethane	3.27	101	226453	25.117	ug/l	100
8) Diethyl Ether	3.71	74	49452	19.948	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.08	101	102036	19.801	ug/l	98
10) Methyl Iodide	4.30	142	99575	18.271	ug/l	99
11) Tert butyl alcohol	5.24	59	31118	92.672	ug/l #	69
12) 1,1-Dichloroethene	4.06	96	97257	19.801	ug/l	98
13) Acrolein	3.92	56	19381	68.227	ug/l	97
14) Allyl chloride	4.70	41	152198	17.525	ug/l	93
15) Acrylonitrile	5.43	53	111148	105.171	ug/l	99
16) Acetone	4.17	43	96684	84.891	ug/l	93
17) Carbon Disulfide	4.40	76	279284	18.258	ug/l	100
18) Methyl Acetate	4.72	43	65870	20.707	ug/l	100
19) Methyl tert-butyl Ether	5.49	73	232471	19.825	ug/l	96
20) Methylene Chloride	4.97	84	112365	19.531	ug/l	92
21) trans-1,2-Dichloroethene	5.46	96	109837	19.737	ug/l	95
22) Diisopropyl ether	6.37	45	304817	18.917	ug/l	97
23) Vinyl Acetate	6.31	43	878026	97.753	ug/l	97
24) 1,1-Dichloroethane	6.27	63	186467	19.930	ug/l	98
25) 2-Butanone	7.22	43	137805	93.655	ug/l	95
26) 2,2-Dichloropropane	7.21	77	164854	17.967	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	122985	20.608	ug/l	93
28) Bromochloromethane	7.54	49	51232	15.728	ug/l	96
29) Tetrahydrofuran	7.57	42	90760	102.663	ug/l	97
30) Chloroform	7.71	83	199416	20.837	ug/l	96
31) Cyclohexane	7.98	56	175318	18.580	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	179507	19.589	ug/l	98
36) 1,1-Dichloropropene	8.11	75	152042	19.481	ug/l	100
37) Ethyl Acetate	7.30	43	61580	18.716	ug/l #	93
38) Carbon Tetrachloride	8.10	117	162467	19.454	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	182366	18.466	ug/l	97
40) Benzene	8.36	78	414823	19.447	ug/l	96
41) Methacrylonitrile	7.53	41	36857	17.822	ug/l #	86
42) 1,2-Dichloroethane	8.43	62	123021	19.203	ug/l	97
43) Isopropyl Acetate	8.46	43	127854	18.859	ug/l	98
44) Trichloroethene	9.11	130	126256	19.721	ug/l	98
45) 1,2-Dichloropropane	9.39	63	102901	19.820	ug/l	93
46) Dibromomethane	9.48	93	57906	20.833	ug/l	98
47) Bromodichloromethane	9.67	83	147593	19.714	ug/l	98
48) Methyl methacrylate	9.46	41	58800	17.738	ug/l	91
49) 1,4-Dioxane	9.47	88	13338	399.563	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	315683	97.103	ug/l	99
52) Toluene	10.41	92	273146	19.474	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	138057	18.406	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	168582	19.261	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	79006	20.953	ug/l	97
56) Ethyl methacrylate	10.67	69	101669	19.275	ug/l	96
57) 1,3-Dichloropropane	10.95	76	134677	20.480	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	204748	95.830	ug/l	98
59) 2-Hexanone	10.99	43	214429	92.709	ug/l	98
60) Dibromochloromethane	11.14	129	105622	20.075	ug/l	100
61) 1,2-Dibromoethane	11.25	107	76130	20.158	ug/l	96
64) Tetrachloroethene	10.88	164	111304	19.747	ug/l	98
65) Chlorobenzene	11.67	112	295021	19.796	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	110800	19.553	ug/l	99
67) Ethyl Benzene	11.75	91	525743	19.503	ug/l	99
68) m/p-Xylenes	11.86	106	405120	39.207	ug/l	96
69) o-Xylene	12.18	106	183269	19.124	ug/l	100
70) Styrene	12.20	104	318915	19.065	ug/l	98
71) Bromoform	12.37	173	67166	20.827	ug/l #	100
73) Isopropylbenzene	12.48	105	518083	19.850	ug/l	99
74) N-amyl acetate	12.30	43	113087	18.348	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	82890	21.077	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	64966m	22.683	ug/l	
77) Bromobenzene	12.77	156	126402	19.935	ug/l	99
78) n-propylbenzene	12.83	91	586354	19.664	ug/l	99
79) 2-Chlorotoluene	12.91	91	319293	18.966	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	416429	19.417	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	25594	17.751	ug/l	98
82) 4-Chlorotoluene	13.01	91	339610	19.340	ug/l	99
83) tert-Butylbenzene	13.23	119	359808	19.027	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	409722	19.351	ug/l	99
85) sec-Butylbenzene	13.41	105	484870	19.090	ug/l	98
86) p-Isopropyltoluene	13.53	119	457061	18.929	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	233828	19.866	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	235841	20.530	ug/l	99
89) n-Butylbenzene	13.85	91	418631	19.190	ug/l	98
90) Hexachloroethane	14.12	117	85740	19.213	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	202424	20.319	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	13276	18.881	ug/l	94

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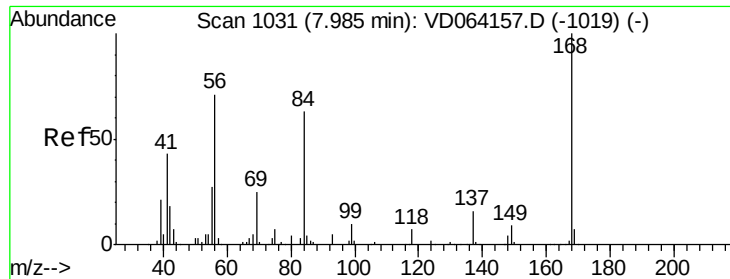
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	149741	19.484	ug/l	98
94) Hexachlorobutadiene	15.28	225	96016	19.343	ug/l	99
95) Naphthalene	15.41	128	255462	20.278	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	129102	19.763	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064307.D

Acq: 20 Nov 2019 12:13

Instrument :

MSVOA_D

ClientSampleId :

VD1120SBS01

Tot Ion:168 Resp: 584549

Ion Ratio Lower Upper

168 100

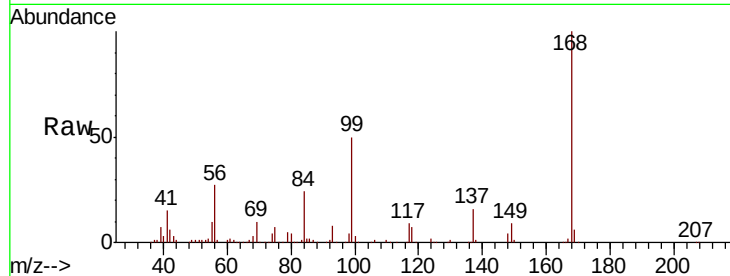
99 50.0 41.6 62.4

Manual Integrations

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11/22/2019 12:52:14 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

300000

250000

200000

150000

100000

50000

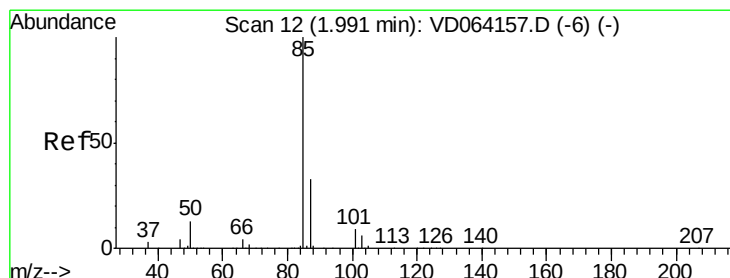
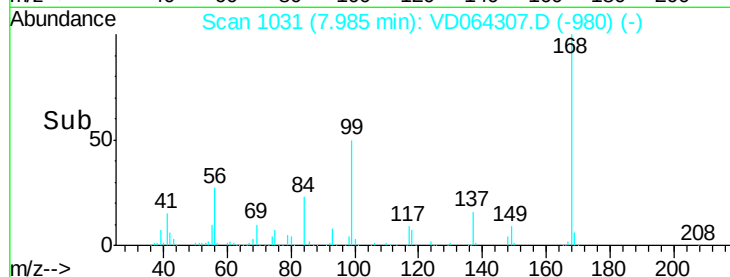
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 17.915 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD064307.D

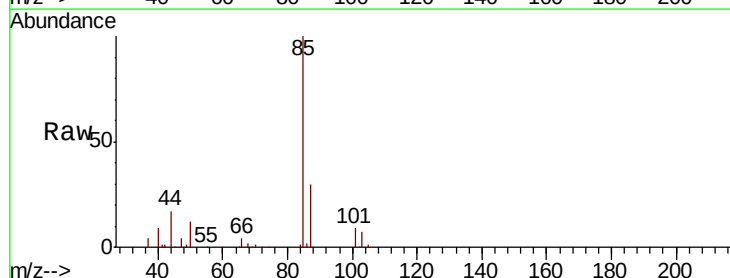
Acq: 20 Nov 2019 12:13

Tgt Ion: 85 Resp: 86852

Ion Ratio Lower Upper

85 100

87 29.7 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

60000

40000

20000

0

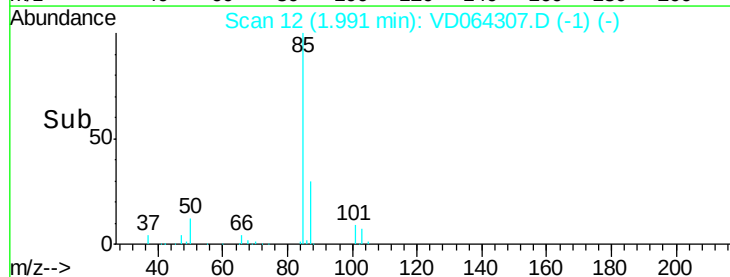
1.90

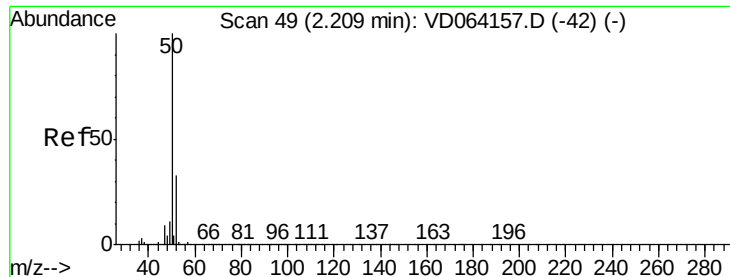
1.95

2.00

2.05

Time-->





#3

Chloromethane

Concen: 20.720 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD064307.D

Acq: 20 Nov 2019 12:13

Instrument :

MSVOA_D

ClientSampleId :

VD1120SBS01

Tot Ion: 50 Resp: 107748

Ion Ratio Lower Upper

50 100

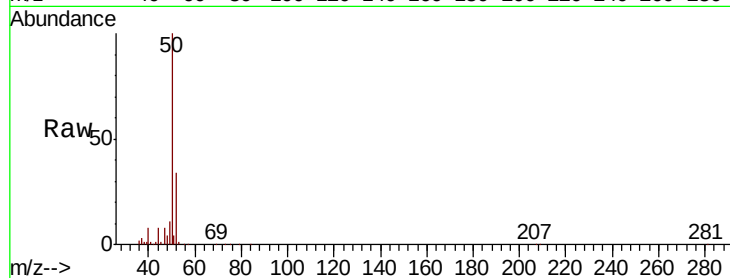
52 33.8 26.2 39.4

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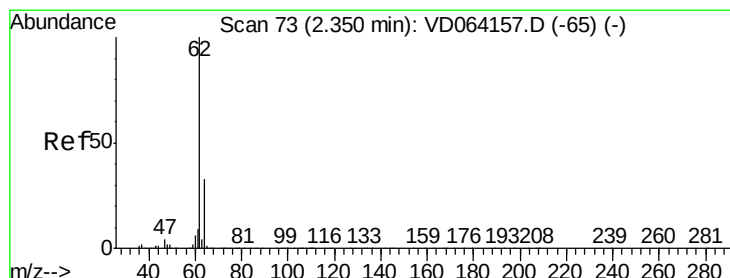
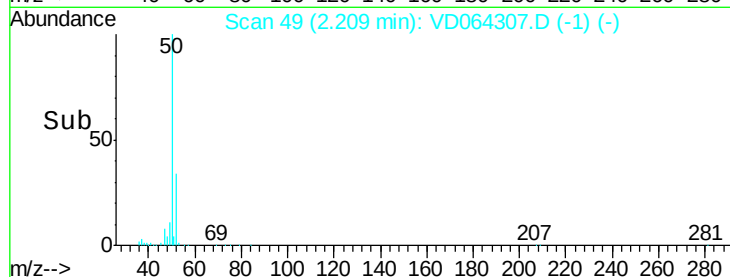
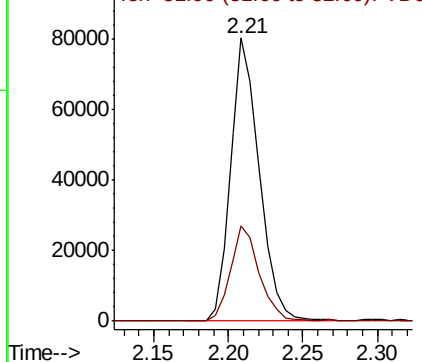
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 23.360 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD064307.D

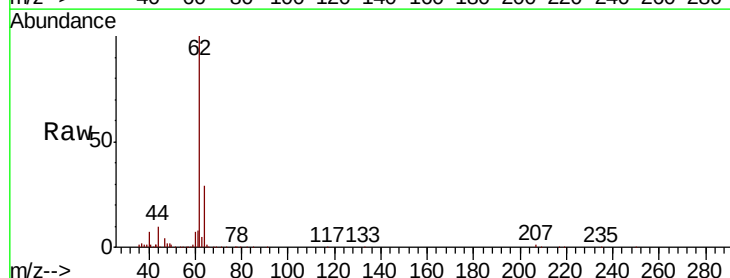
Acq: 20 Nov 2019 12:13

Tgt Ion: 62 Resp: 129902

Ion Ratio Lower Upper

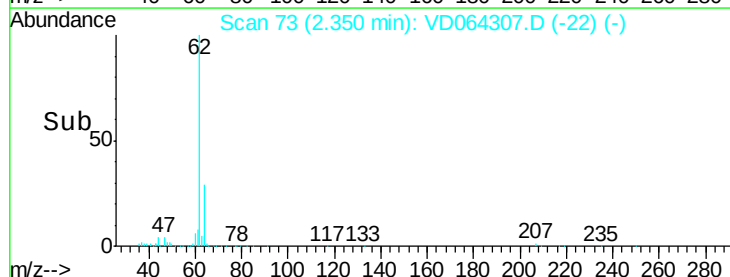
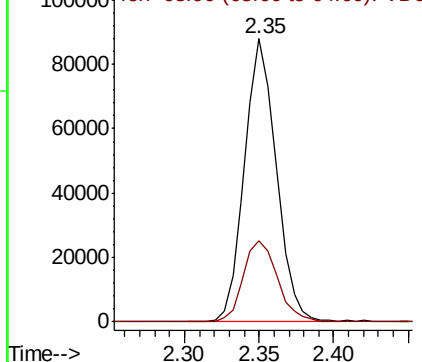
62 100

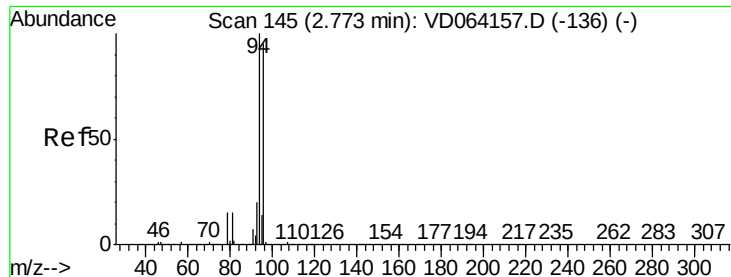
64 28.6 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 25.617 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD064307.D

Acq: 20 Nov 2019 12:13

Instrument :

MSVOA_D

ClientSampleId :

VD1120SBS01

Tot Ion: 94 Resp: 89954

Ion Ratio Lower Upper

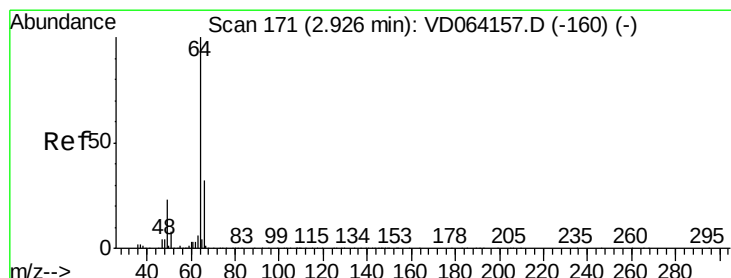
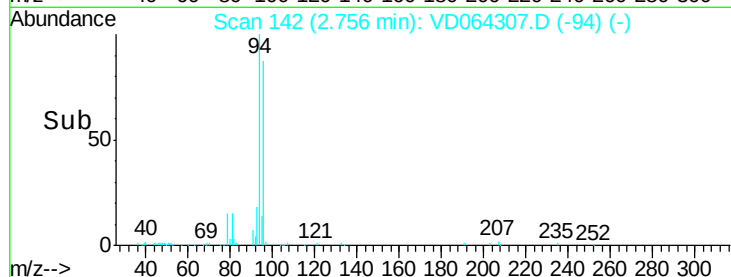
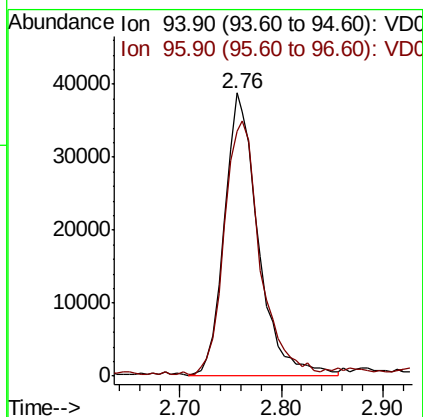
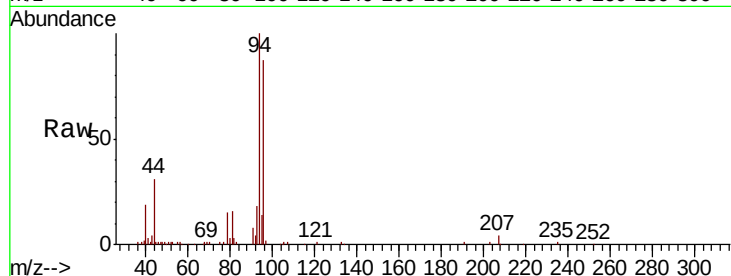
94 100

96 85.7 76.2 114.4

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#6

Chloroethane

Concen: 24.795 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD064307.D

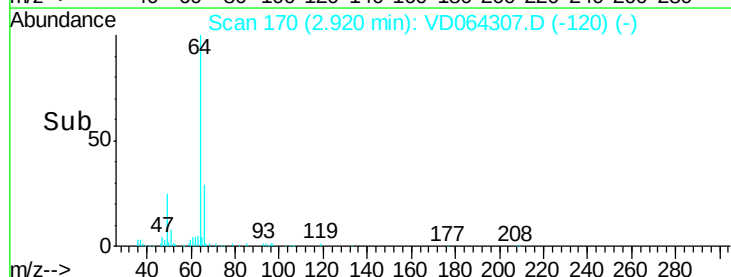
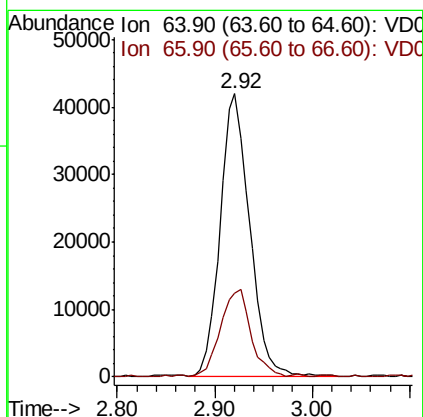
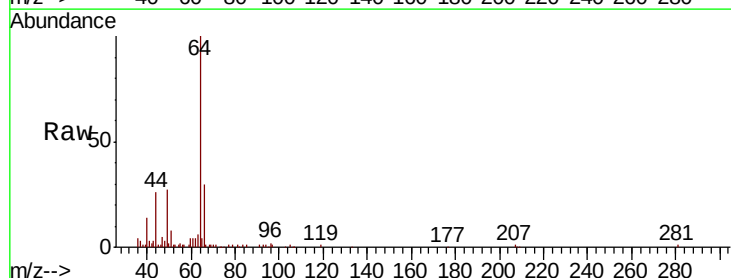
Acq: 20 Nov 2019 12:13

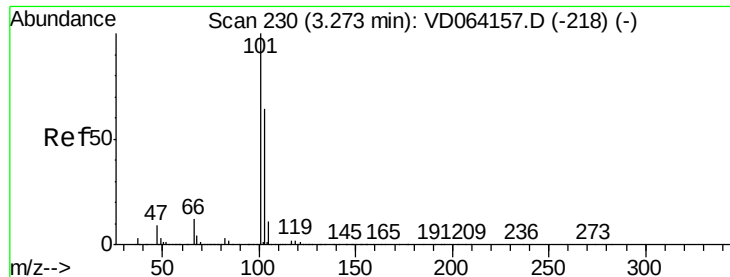
Tgt Ion: 64 Resp: 88104

Ion Ratio Lower Upper

64 100

66 29.7 25.5 38.3





#7

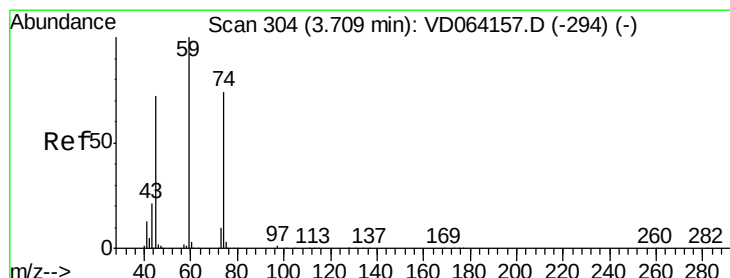
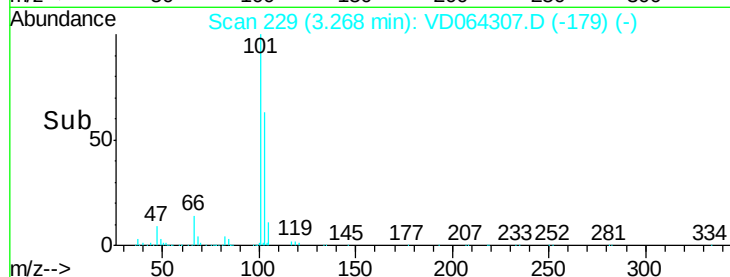
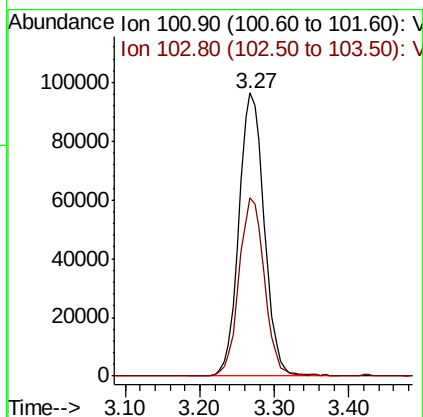
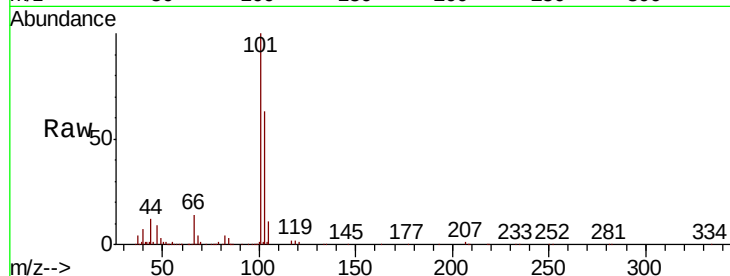
Trichlorofluoromethane
Concen: 25.117 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD064307.D
Acq: 20 Nov 2019 12:13

Instrument :
MSVOA_D
ClientSampleId :
VD1120SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.3	50.8	76.2

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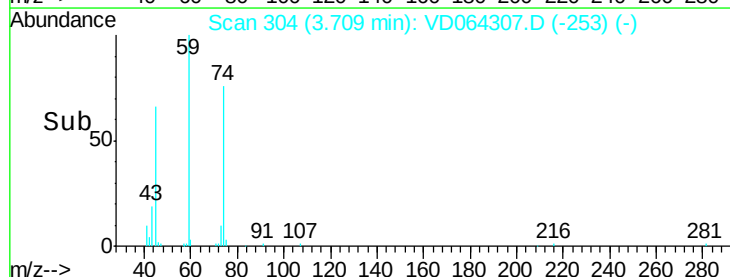
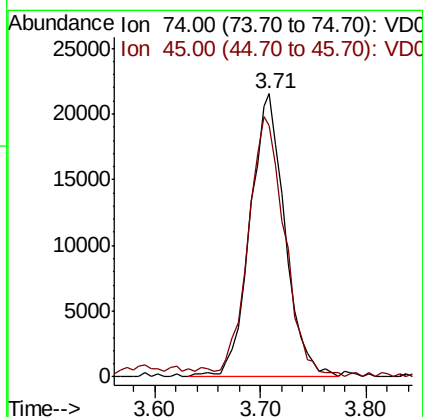
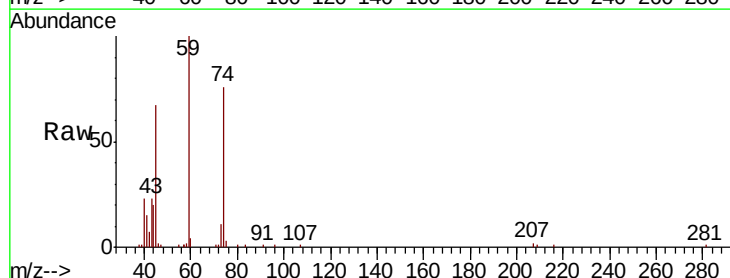
MMDadoda
11/22/2019 12:52:14 AM

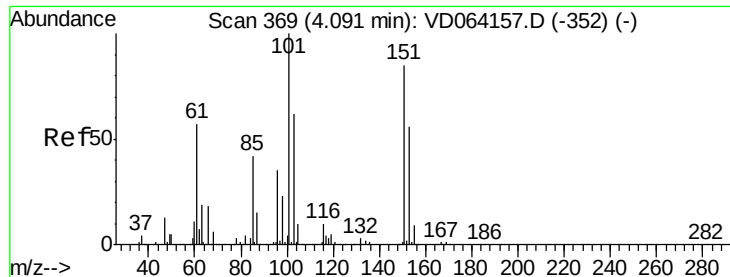


#8

Diethyl Ether
Concen: 19.948 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD064307.D
Acq: 20 Nov 2019 12:13

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.6	47.9	143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.801 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD064307.D

Acq: 20 Nov 2019 12:13

Instrument :

MSVOA_D

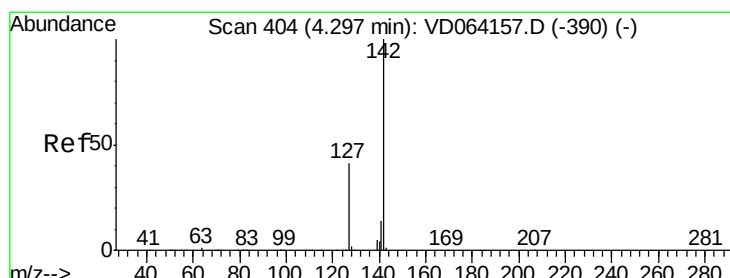
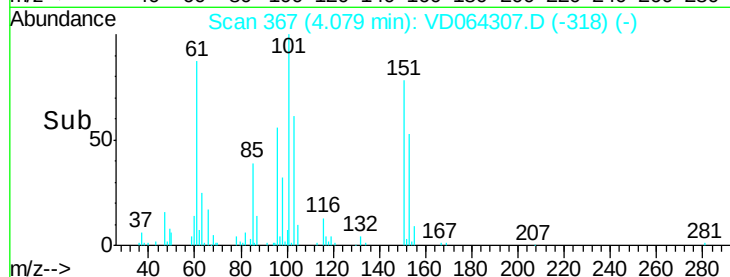
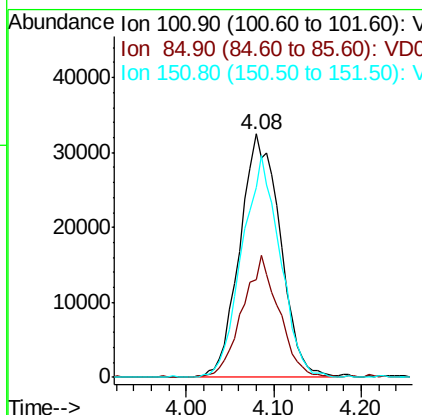
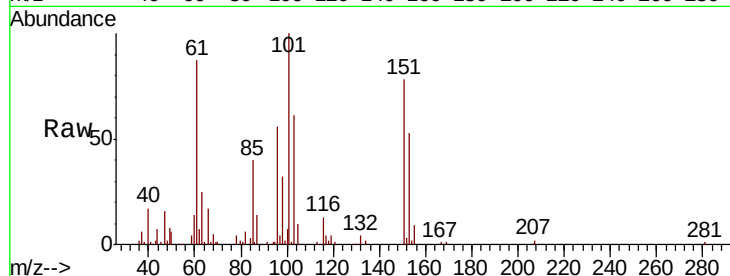
ClientSampleId :

VD1120SBS01

Tot Ion:	101	Resp:	102036
Ion Ratio	Lower	Upper	
101	100		
85	45.4	34.4	51.6
151	86.4	68.1	102.1

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#10

Methyl Iodide

Concen: 18.271 ug/l

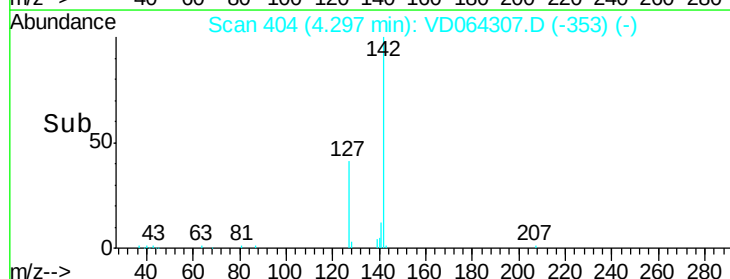
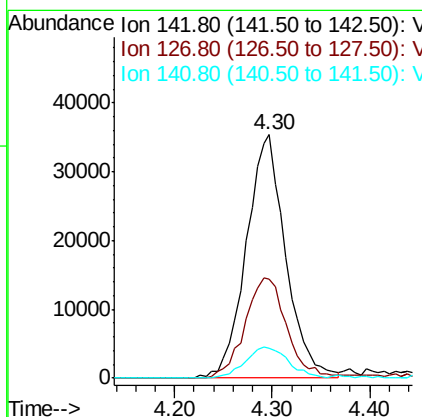
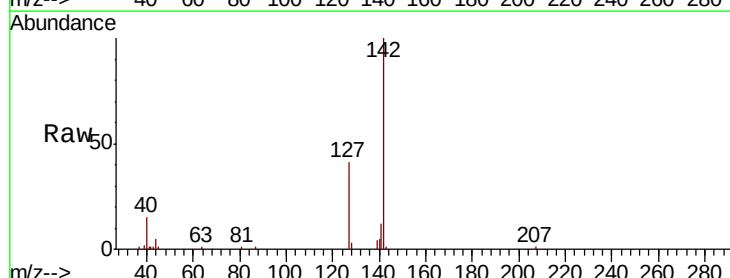
RT: 4.30 min Scan# 404

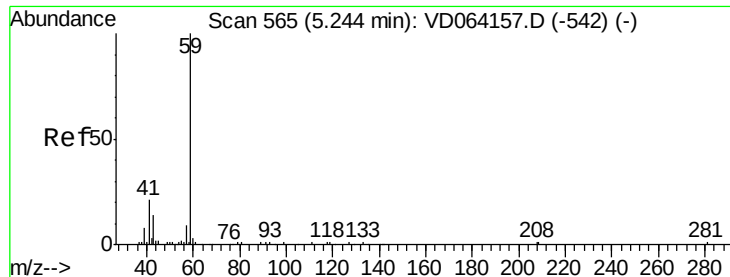
Delta R.T. 0.00 min

Lab File: VD064307.D

Acq: 20 Nov 2019 12:13

Tgt Ion:	142	Resp:	99575
Ion Ratio	Lower	Upper	
142	100		
127	44.0	34.4	51.6
141	14.0	11.2	16.8





#11

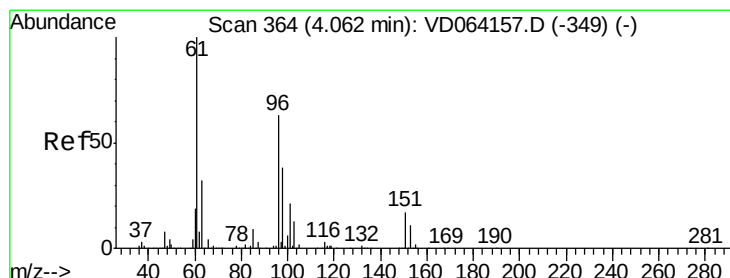
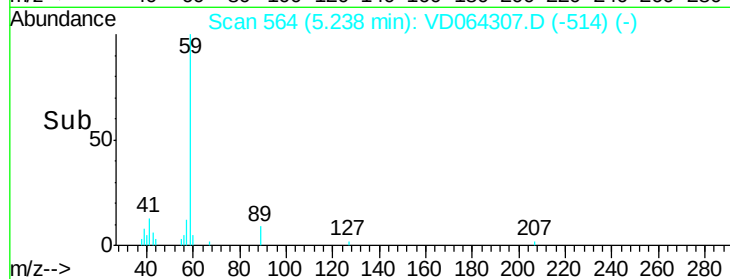
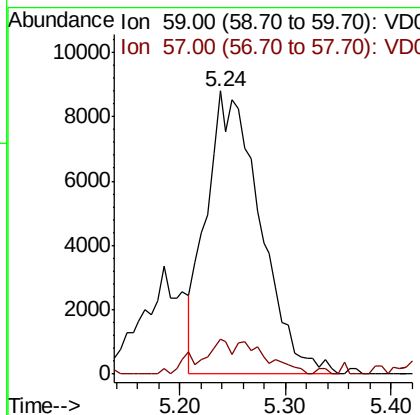
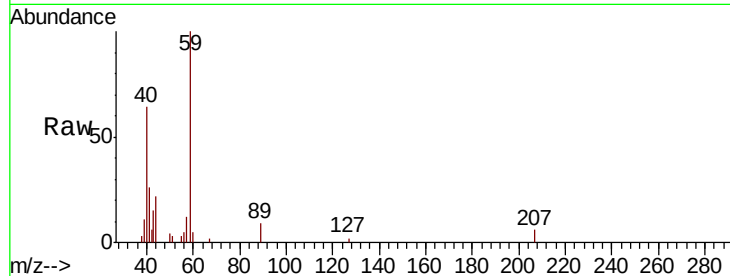
Tert butyl alcohol
Concen: 92.672 ug/l
RT: 5.24 min Scan# 564
Delta R.T. -0.00 min
Lab File: VD064307.D
Acq: 20 Nov 2019 12:13

Instrument :
MSVOA_D
ClientSampleId :
VD1120SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	9.4	14.2#

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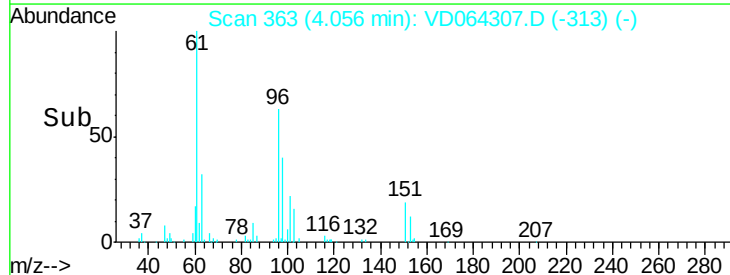
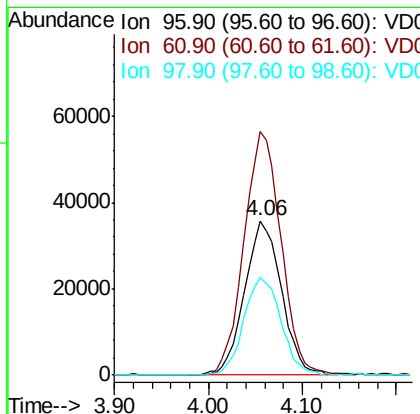
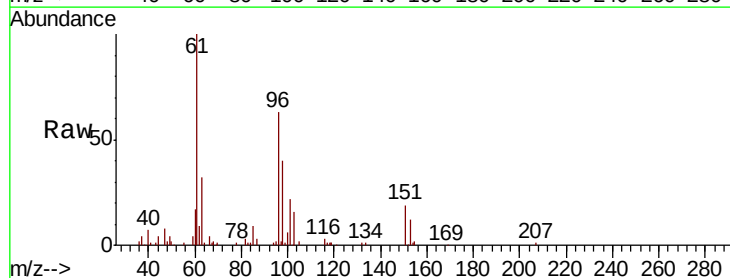
MMDadoda
11/22/2019 12:52:14 AM

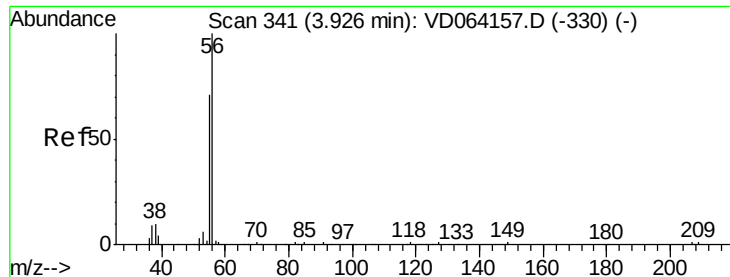


#12

1,1-Dichloroethene
Concen: 19.801 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064307.D
Acq: 20 Nov 2019 12:13

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.5	127.4	191.2
98	63.0	48.1	72.1





#13

Acrolein

Concen: 68.227 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064307.D

Acq: 20 Nov 2019 12:13

Instrument :

MSVOA_D

ClientSampleId :

VD1120SBS01

Tot Ion: 56 Resp: 19381

Ion Ratio Lower Upper

56 100

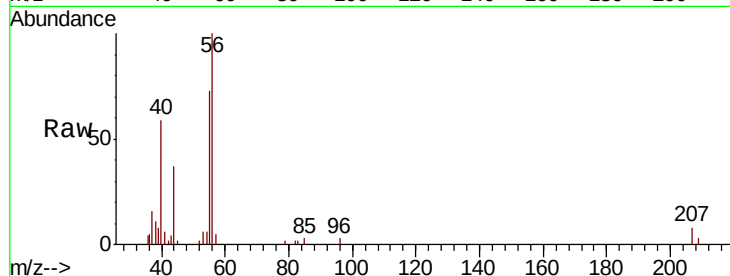
55 72.8 56.1 84.1

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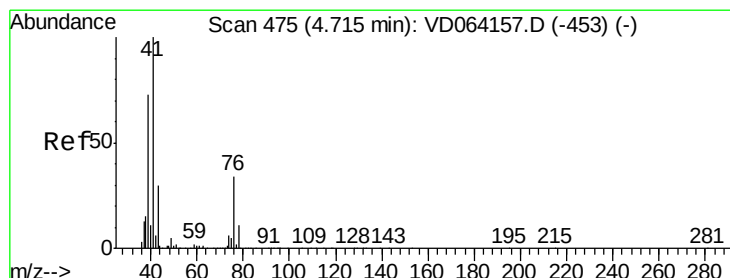
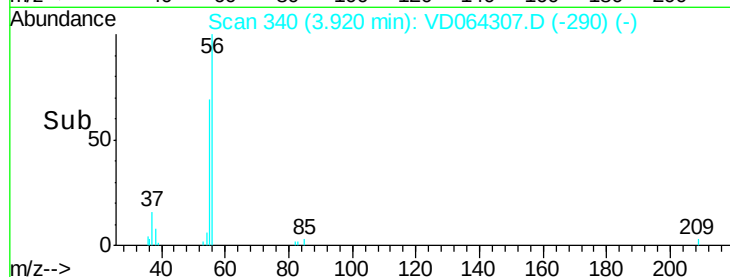
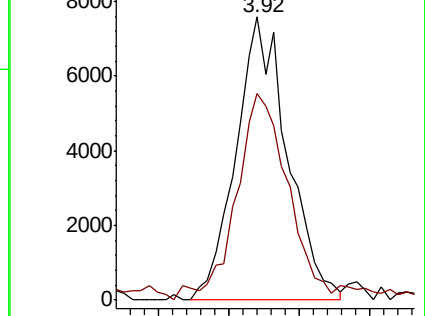
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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 17.525 ug/l

RT: 4.70 min Scan# 473

Delta R.T. -0.01 min

Lab File: VD064307.D

Acq: 20 Nov 2019 12:13

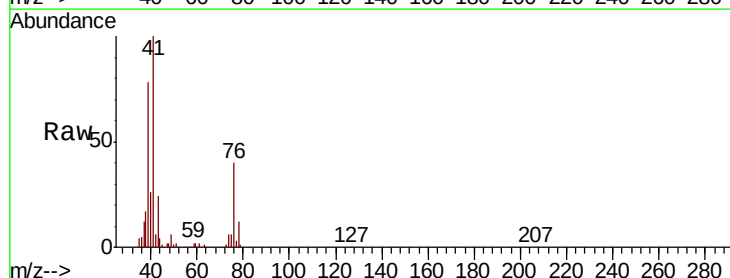
Tgt Ion: 41 Resp: 152198

Ion Ratio Lower Upper

41 100

39 77.9 57.5 86.3

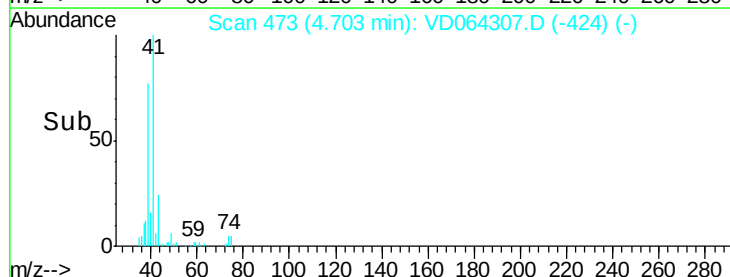
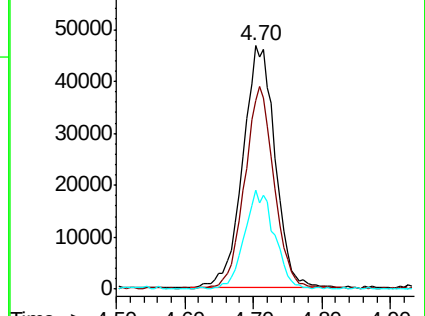
76 38.1 26.8 40.2

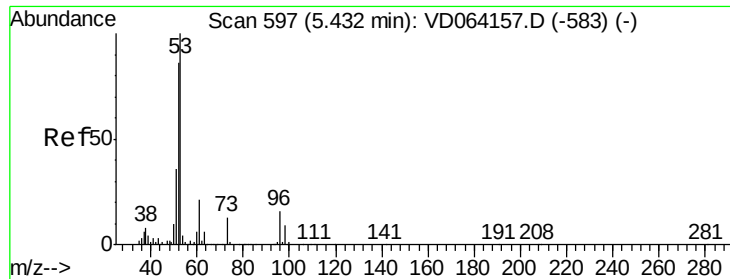


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 105.171 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064307.D

Acq: 20 Nov 2019 12:13

Instrument :

MSVOA_D

ClientSampleId :

VD1120SBS01

Tot Ion: 53 Resp: 111148

Ion Ratio Lower Upper

53 100

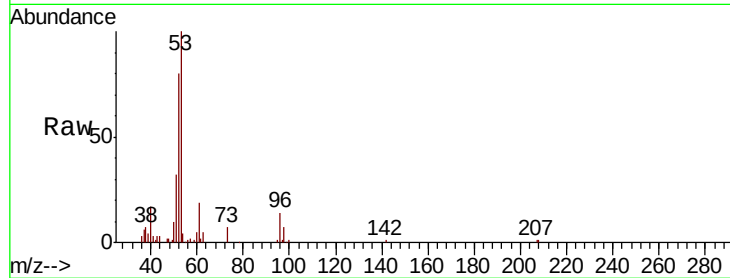
52 84.1 66.7 100.1

51 37.2 30.6 46.0

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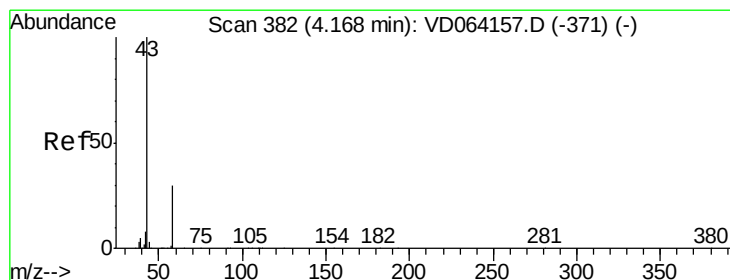
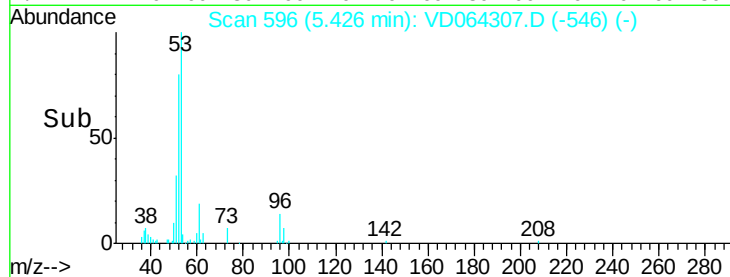
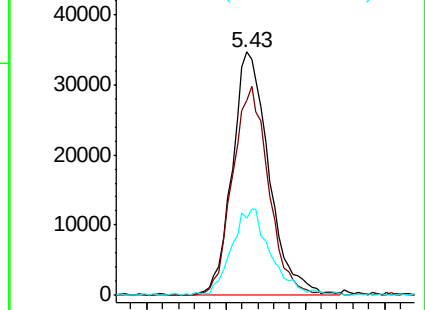
11/22/2019 12:52:14 AM



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 84.891 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD064307.D

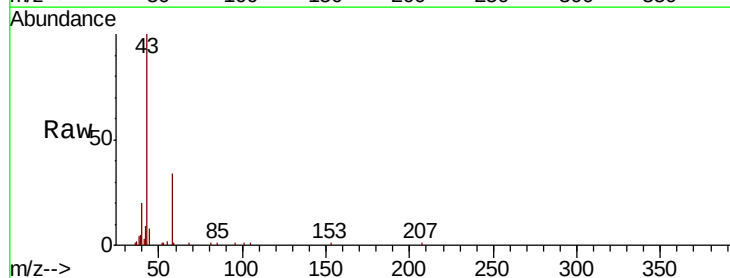
Acq: 20 Nov 2019 12:13

Tgt Ion: 43 Resp: 96684

Ion Ratio Lower Upper

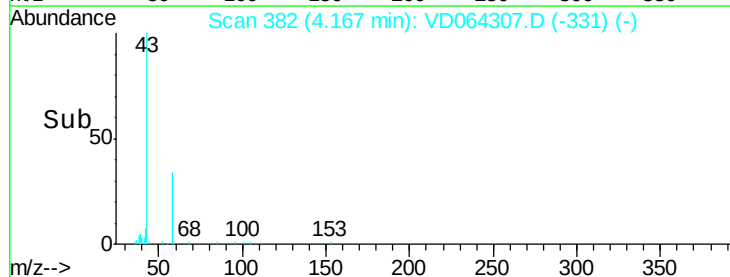
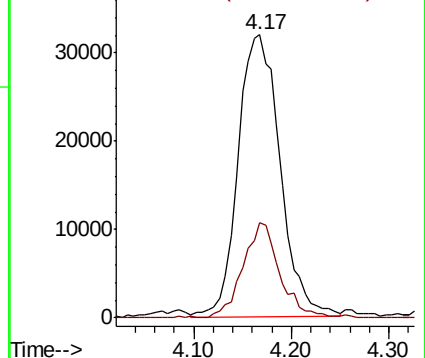
43 100

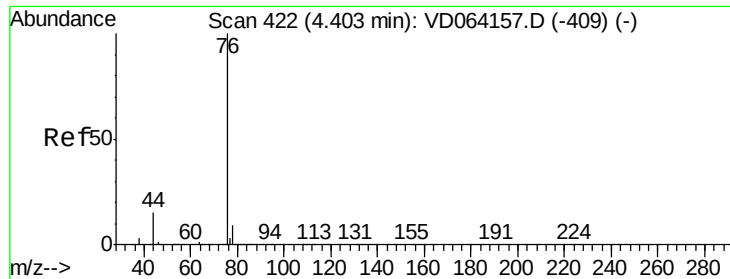
58 33.7 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 18.258 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD064307.D

Acq: 20 Nov 2019 12:13

Instrument :

MSVOA_D

ClientSampleId :

VD1120SBS01

Tot Ion: 76 Resp: 279284

Ion Ratio Lower Upper

76 100

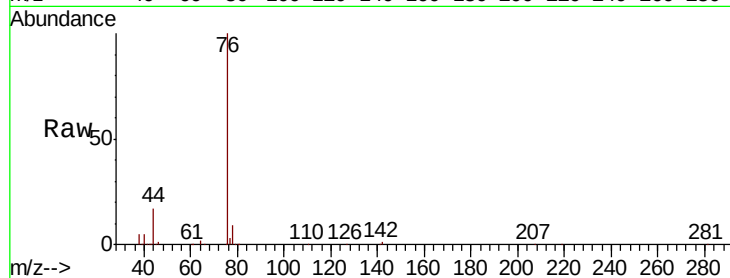
78 8.9 7.2 10.8

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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

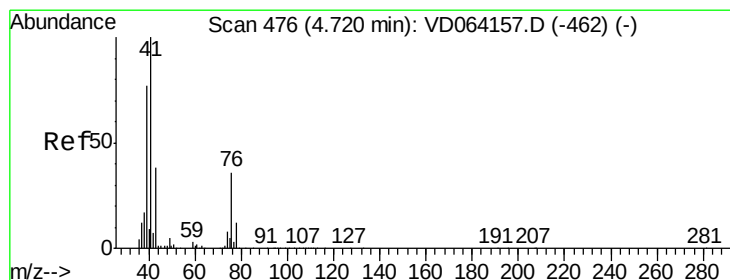
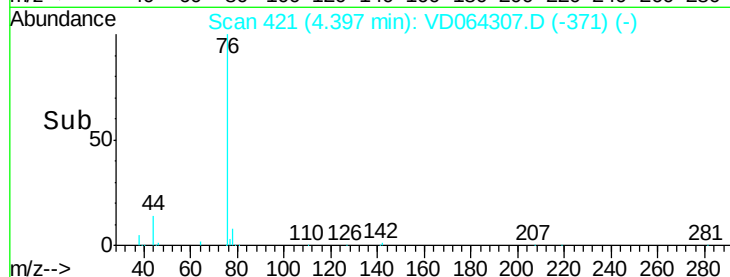
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 20.707 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.00 min

Lab File: VD064307.D

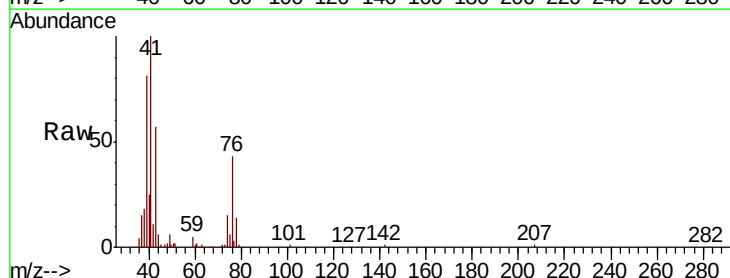
Acq: 20 Nov 2019 12:13

Tgt Ion: 43 Resp: 65870

Ion Ratio Lower Upper

43 100

74 22.8 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.72

25000

20000

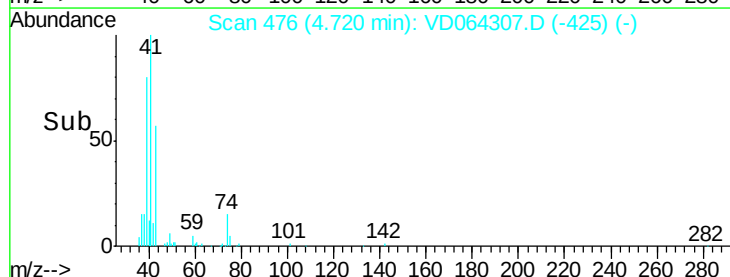
15000

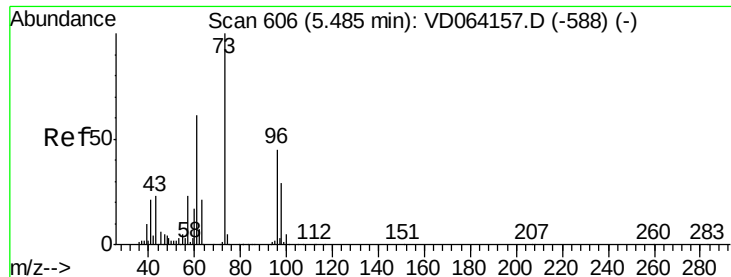
10000

5000

0

Time-->





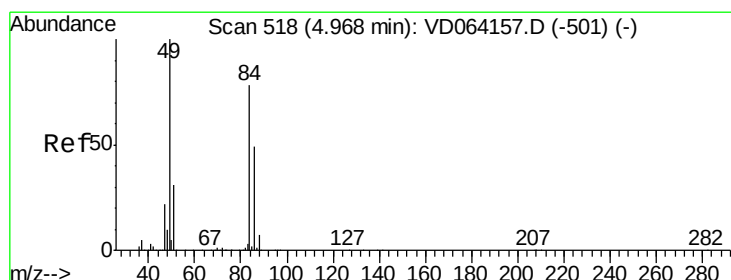
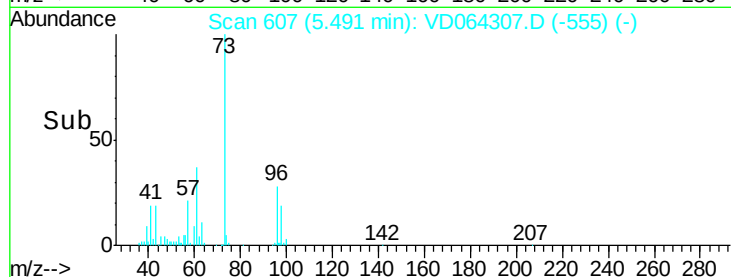
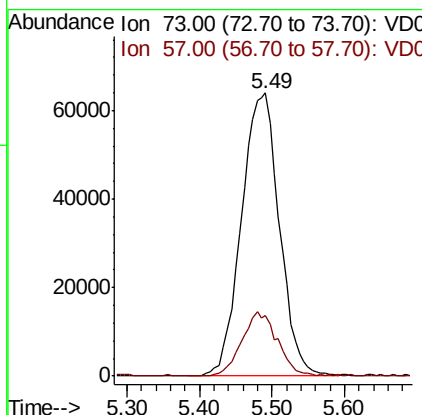
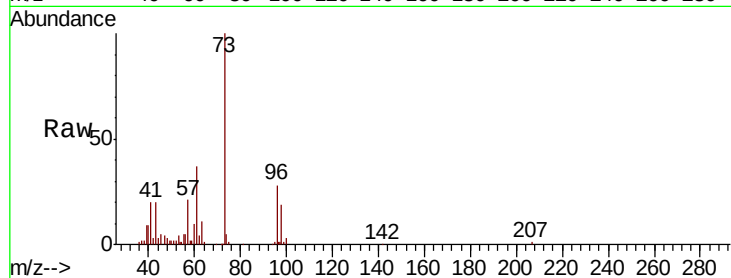
#19
Methyl tert-butyl Ether
Concen: 19.825 ug/l
RT: 5.49 min Scan# 607
Delta R.T. 0.01 min
Lab File: VD064307.D
Acq: 20 Nov 2019 12:13

Instrument :
MSVOA_D
ClientSampleId :
VD1120SBS01

Tot Ion: 73 Resp: 232471
Ion Ratio Lower Upper
73 100
57 20.9 18.4 27.6

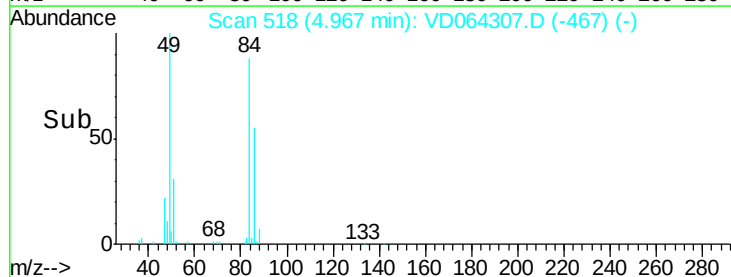
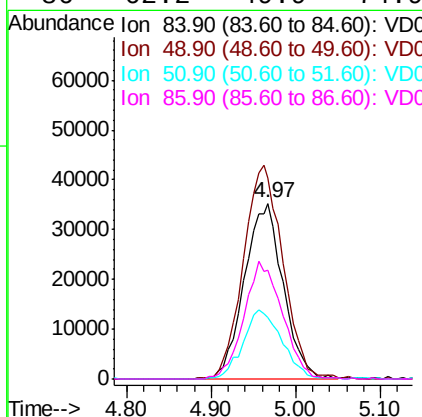
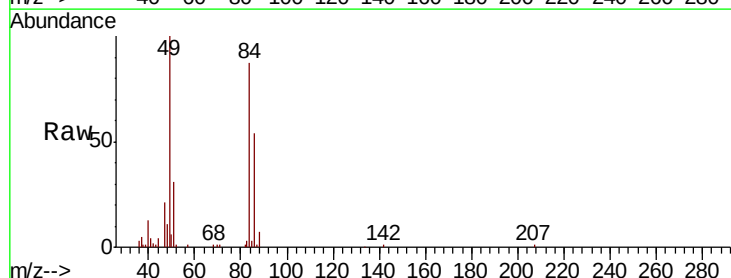
Manual Integrations
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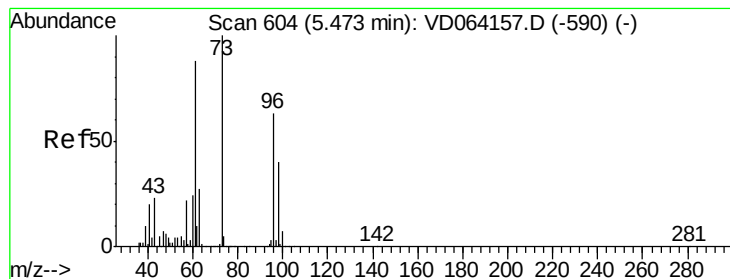
MMDadoda
11/22/2019 12:52:14 AM



#20
Methylene Chloride
Concen: 19.531 ug/l
RT: 4.97 min Scan# 518
Delta R.T. -0.00 min
Lab File: VD064307.D
Acq: 20 Nov 2019 12:13

Tgt Ion: 84 Resp: 112365
Ion Ratio Lower Upper
84 100
49 114.6 102.1 153.1
51 35.2 32.2 48.2
86 62.2 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 19.737 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD064307.D

Acq: 20 Nov 2019 12:13

Instrument :

MSVOA_D

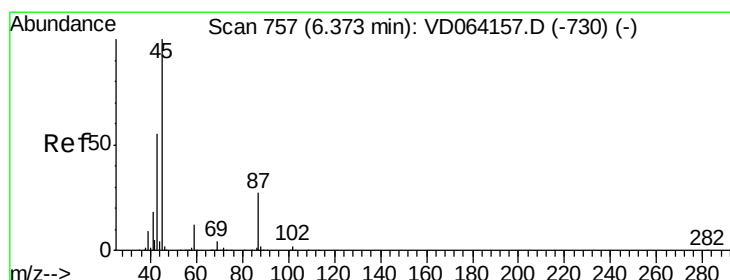
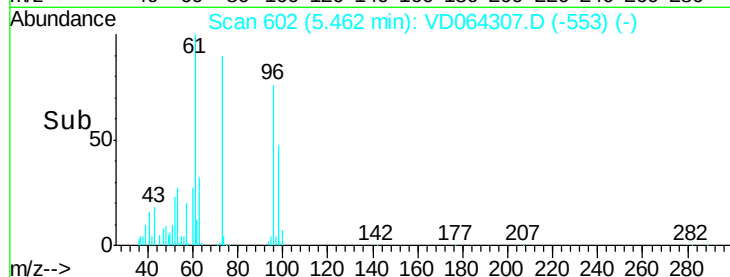
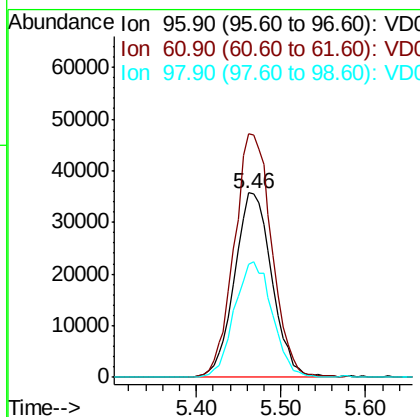
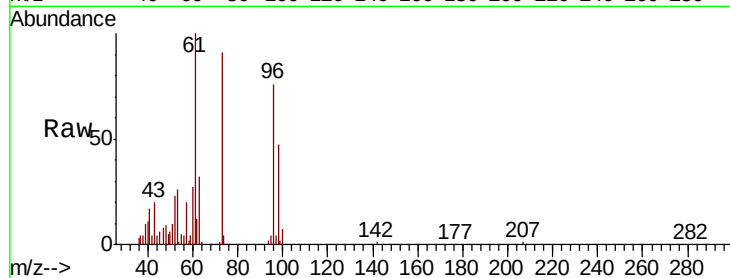
ClientSampleId :

VD1120SBS01

Tot Ion:	96	Resp:	109837
Ion Ratio	Lower	Upper	
96	100		
61	132.1	111.8	167.6
98	61.6	50.3	75.5

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#22

Diisopropyl ether

Concen: 18.917 ug/l

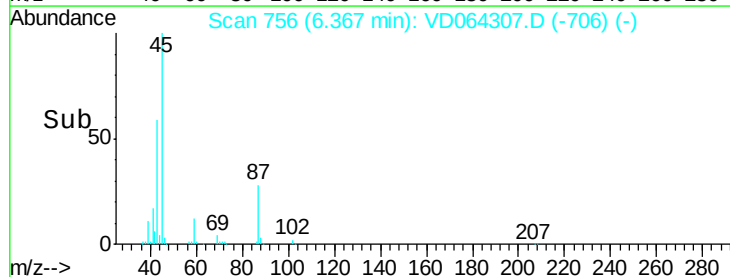
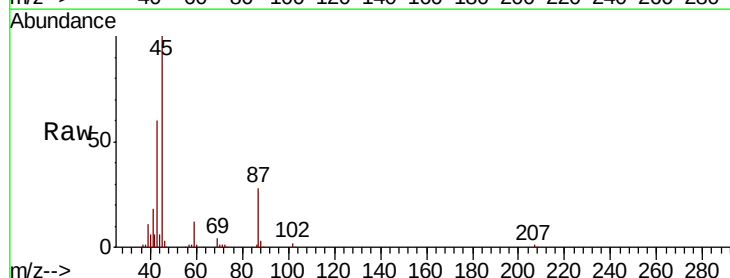
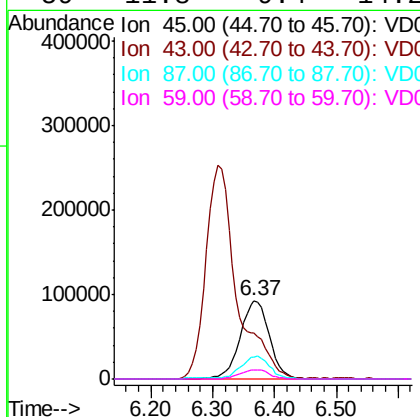
RT: 6.37 min Scan# 756

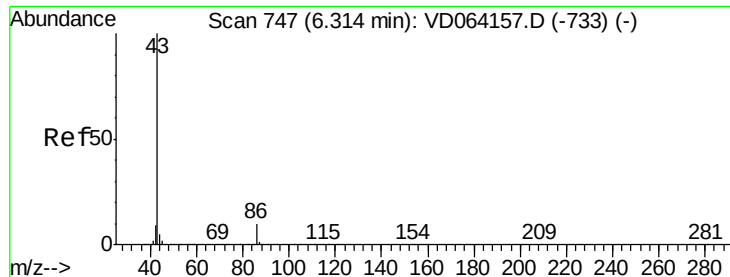
Delta R.T. -0.01 min

Lab File: VD064307.D

Acq: 20 Nov 2019 12:13

Tgt Ion:	45	Resp:	304817
Ion Ratio	Lower	Upper	
45	100		
43	58.5	44.4	66.6
87	27.6	21.9	32.9
59	11.8	9.4	14.2





#23

Vinyl Acetate

Concen: 97.753 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064307.D

Acq: 20 Nov 2019 12:13

Instrument :

MSVOA_D

ClientSampleId :

VD1120SBS01

Tot Ion: 43 Resp: 878026

Ion Ratio Lower Upper

43 100

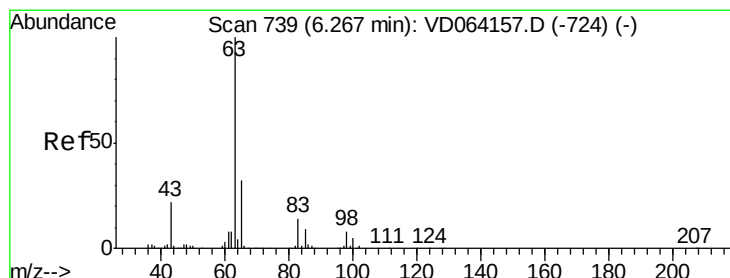
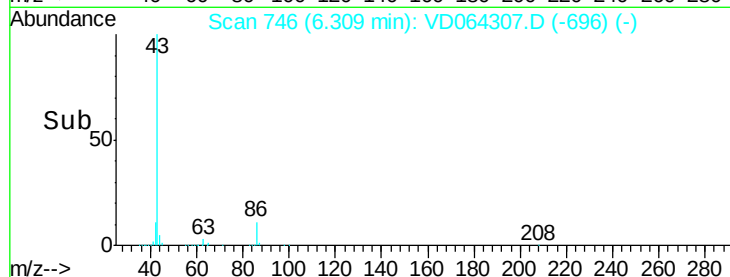
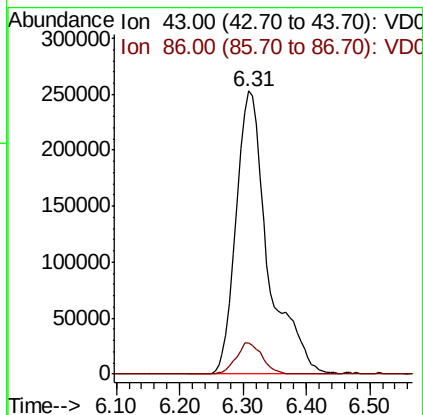
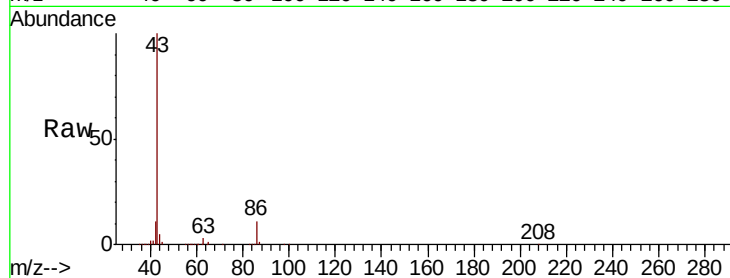
86 11.2 8.2 12.2

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 19.930 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD064307.D

Acq: 20 Nov 2019 12:13

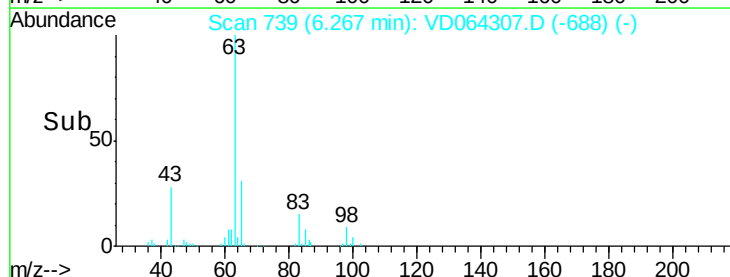
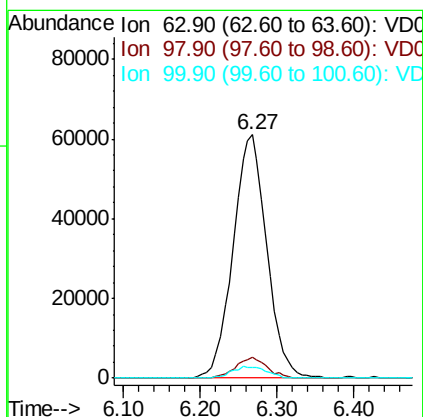
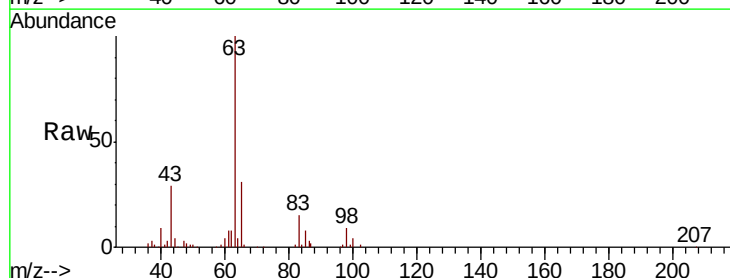
Tgt Ion: 63 Resp: 186467

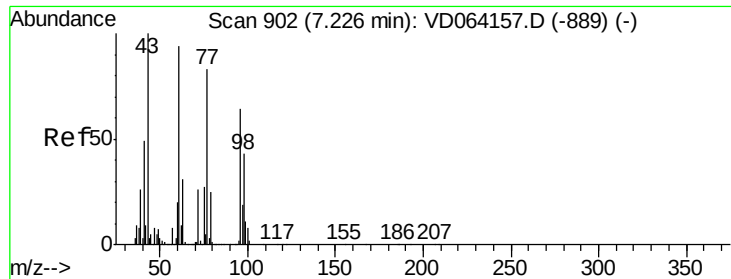
Ion Ratio Lower Upper

63 100

98 8.7 3.8 11.4

100 4.5 2.4 7.2





#25

2-Butanone

Concen: 93.655 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD064307.D

Acq: 20 Nov 2019 12:13

Instrument :

MSVOA_D

ClientSampleId :

VD1120SBS01

Tot Ion: 43 Resp: 137805

Ion Ratio Lower Upper

43 100

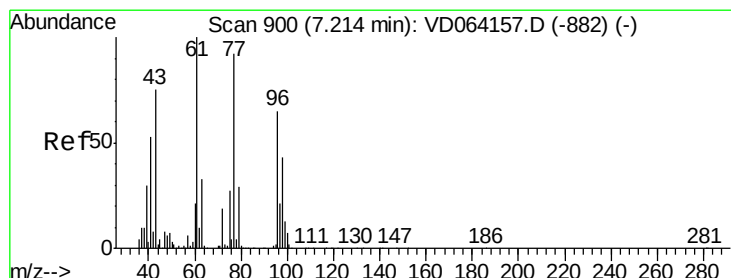
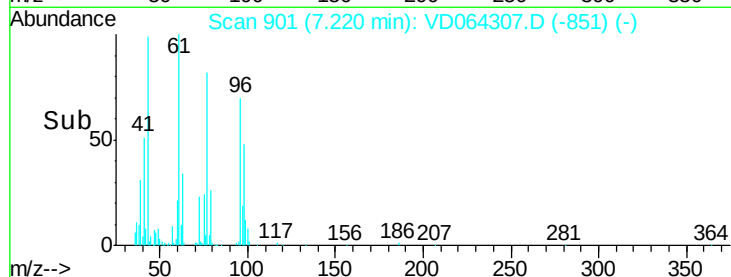
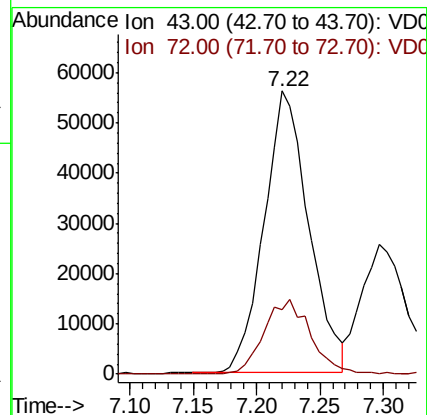
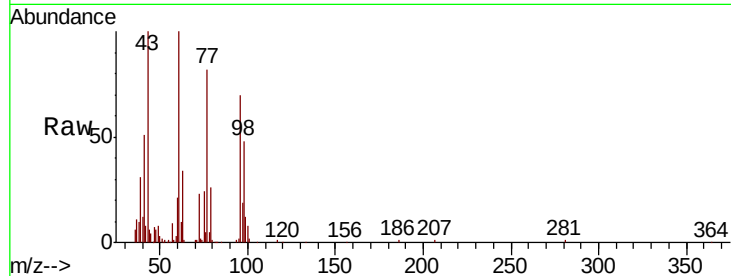
72 23.0 20.6 30.8

Manual Integrations

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MMDadoda

11/22/2019 12:52:14 AM



#26

2,2-Dichloropropane

Concen: 17.967 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064307.D

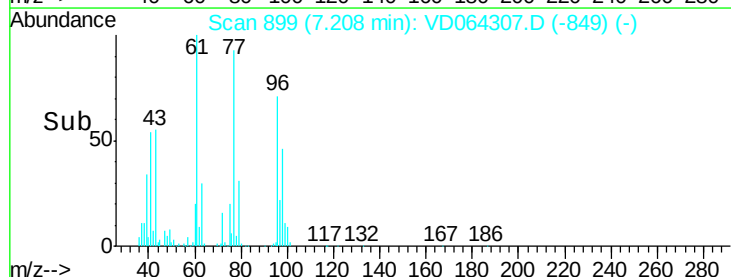
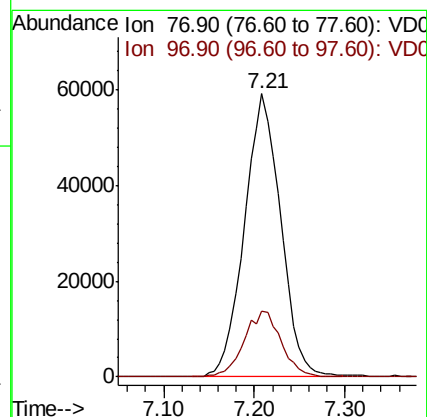
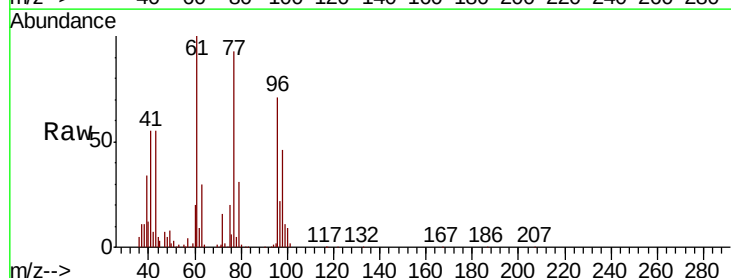
Acq: 20 Nov 2019 12:13

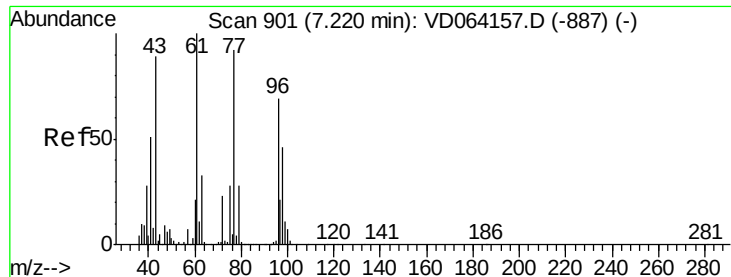
Tgt Ion: 77 Resp: 164854

Ion Ratio Lower Upper

77 100

97 23.7 11.1 33.3





#27

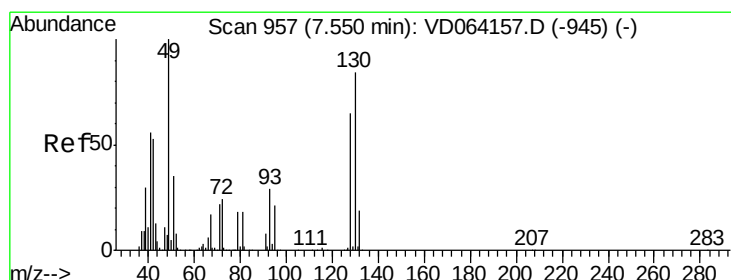
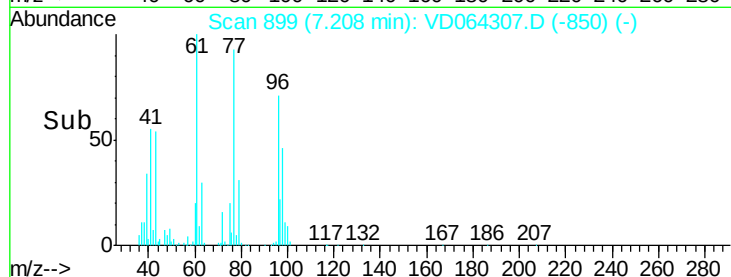
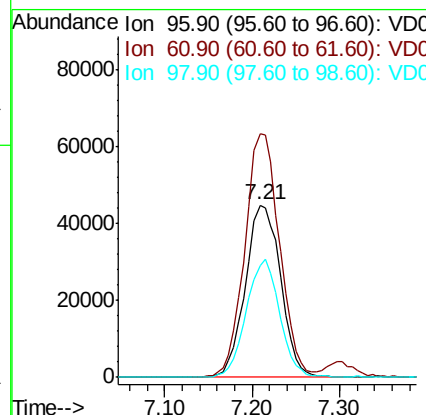
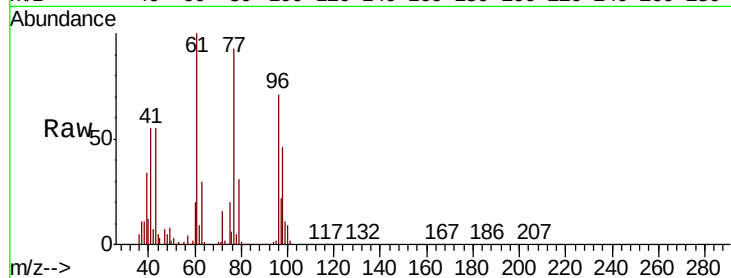
cis-1,2-Dichloroethene
 Concen: 20.608 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD064307.D
 Acq: 20 Nov 2019 12:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1120SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	122985		
61	138.8		0.0	301.4
98	64.9		0.0	133.2

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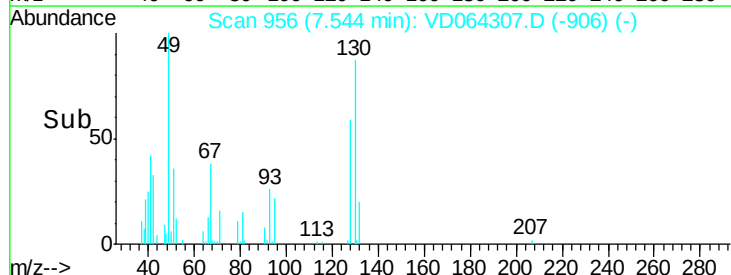
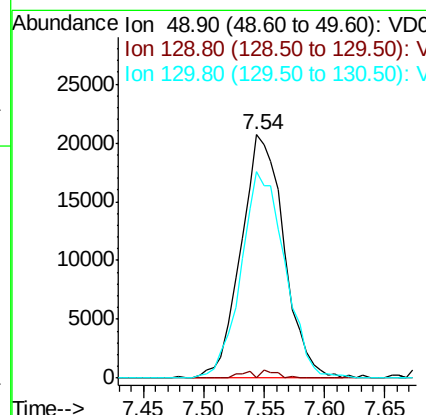
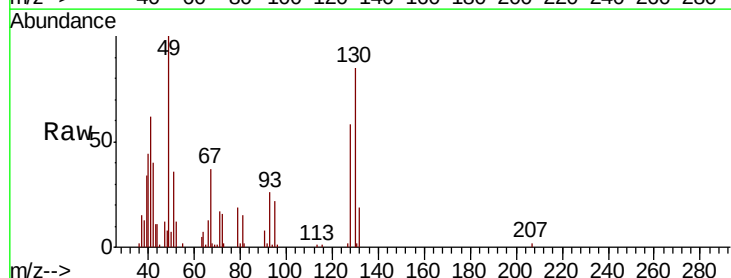
MMDadoda
 11/22/2019 12:52:14 AM

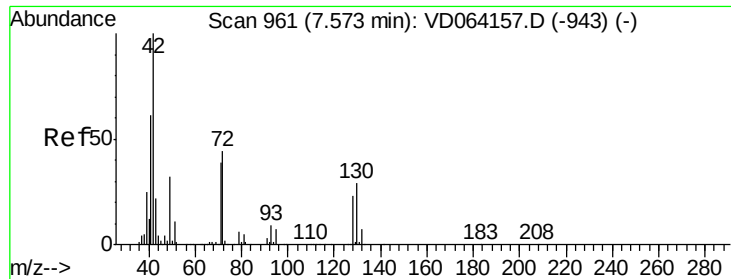


#28

Bromochloromethane
 Concen: 15.728 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: VD064307.D
 Acq: 20 Nov 2019 12:13

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	51232		
129	1.2		0.0	4.4
130	86.7		66.8	100.2





#29

Tetrahydrofuran

Concen: 102.663 ug/l

RT: 7.57 min Scan# 961

Delta R.T. -0.00 min

Lab File: VD064307.D

Acq: 20 Nov 2019 12:13

Instrument :

MSVOA_D

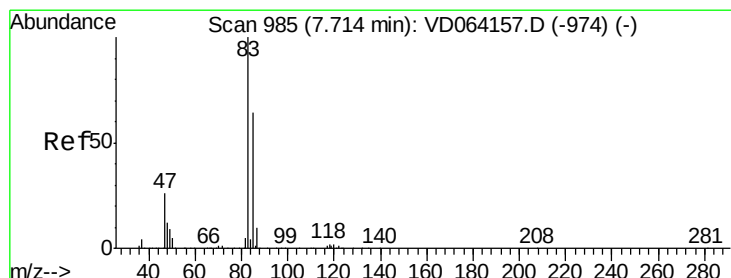
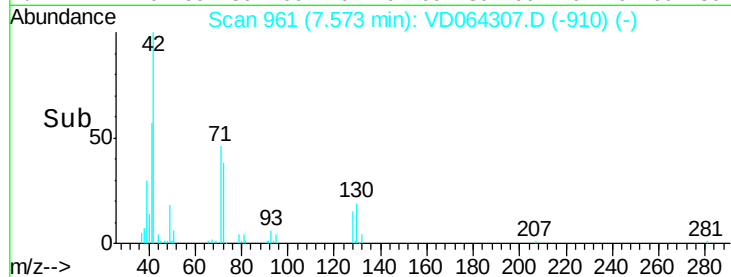
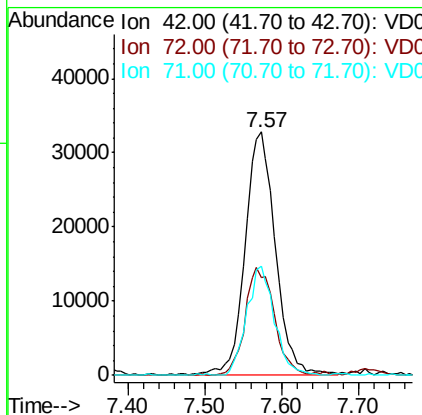
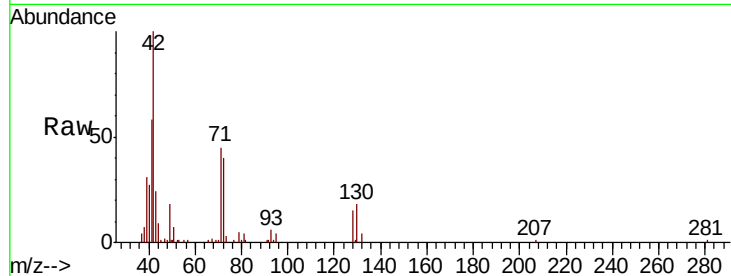
ClientSampleId :

VD1120SBS01

Tot Ion:	42	Resp:	90760
Ion	Ratio	Lower	Upper
42	100		
72	42.6	33.4	50.2
71	41.1	31.0	46.4

Manual Integrations
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#30

Chloroform

Concen: 20.837 ug/l

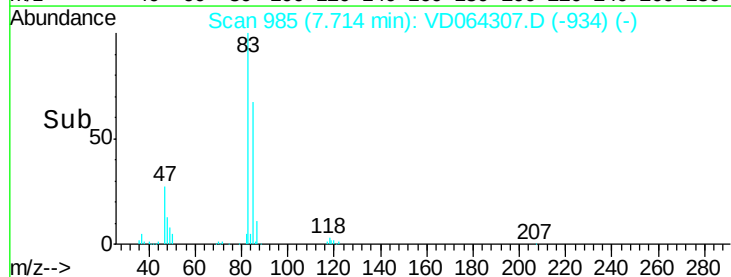
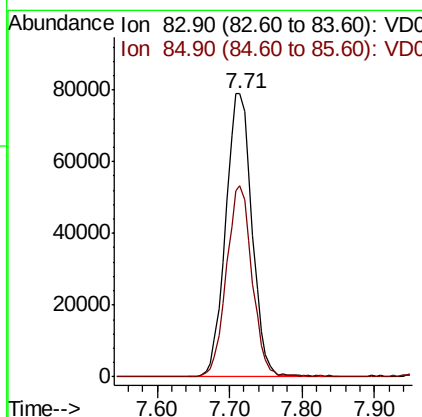
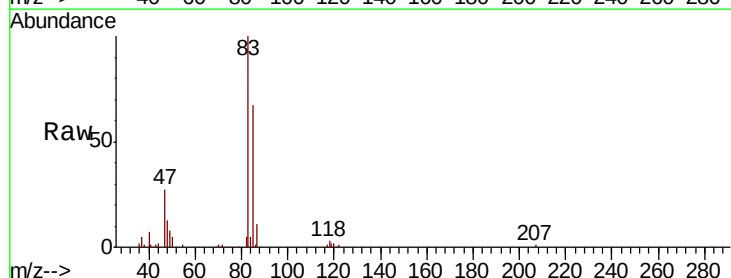
RT: 7.71 min Scan# 985

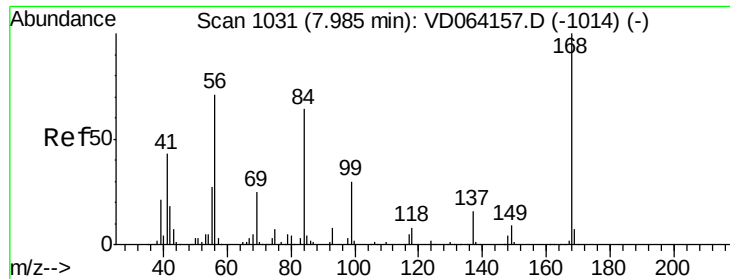
Delta R.T. -0.00 min

Lab File: VD064307.D

Acq: 20 Nov 2019 12:13

Tgt Ion:	83	Resp:	199416
Ion	Ratio	Lower	Upper
83	100		
85	67.4	51.4	77.0





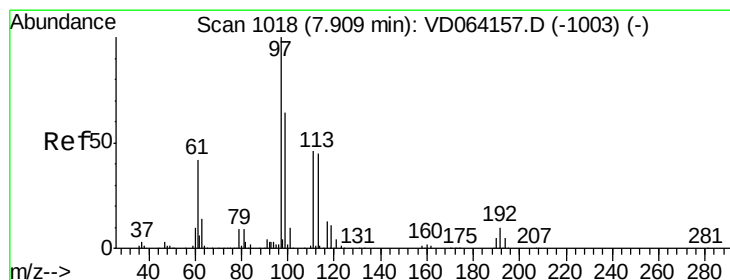
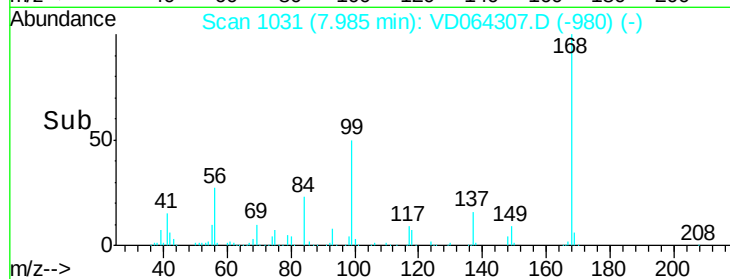
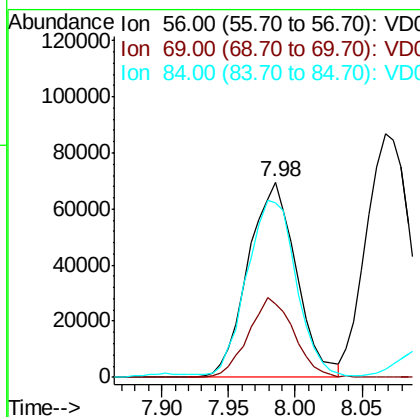
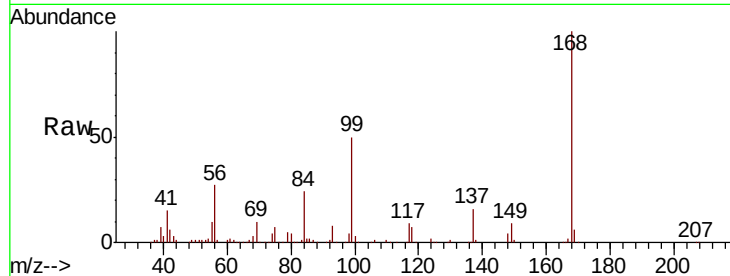
#31
Cyclohexane
Concen: 18.580 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD064307.D
Acq: 20 Nov 2019 12:13

Instrument :
MSVOA_D
ClientSampleId :
VD1120SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.8	28.2	42.4
84	87.5	71.8	107.6

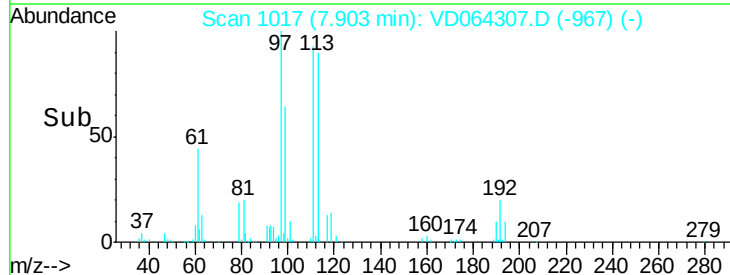
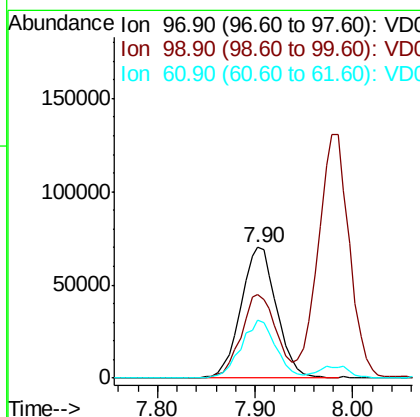
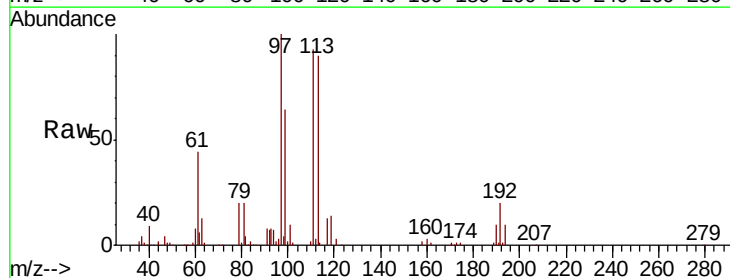
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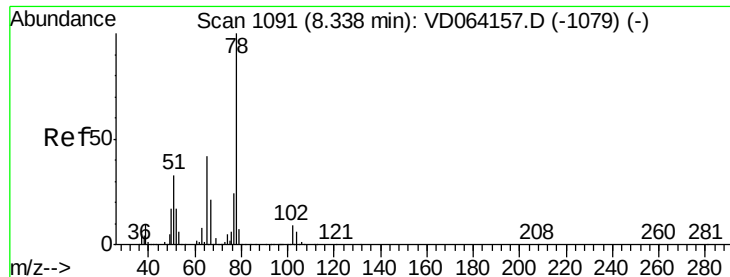
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11/22/2019 12:52:14 AM



#32
1,1,1-Trichloroethane
Concen: 19.589 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064307.D
Acq: 20 Nov 2019 12:13

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.8	51.6	77.4
61	43.0	34.2	51.2





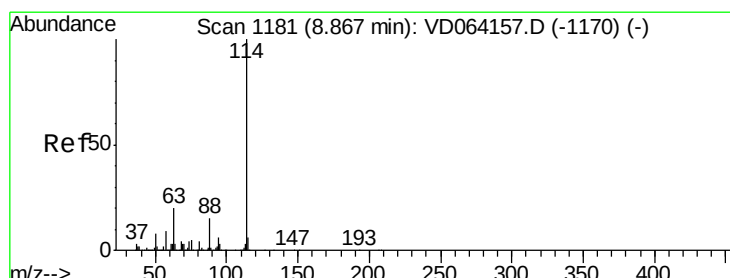
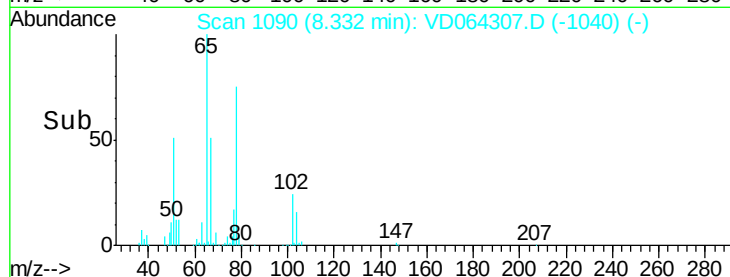
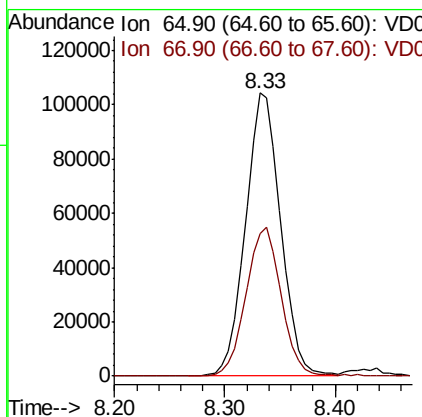
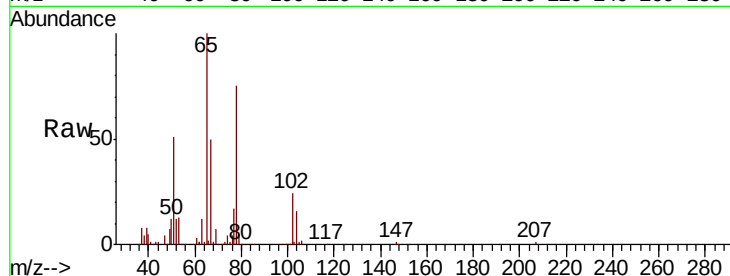
#33
 1,2-Dichloroethane-d4
 Concen: 48.489 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD064307.D
 Acq: 20 Nov 2019 12:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1120SBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	104.4

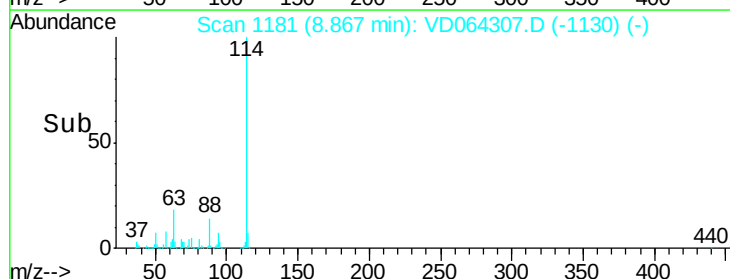
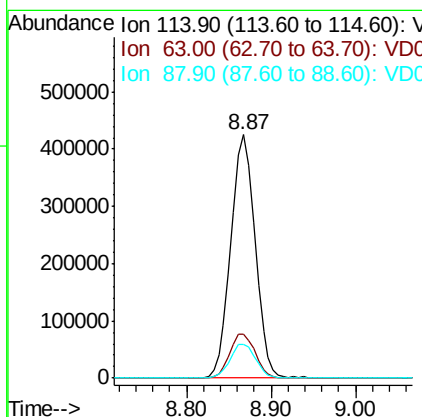
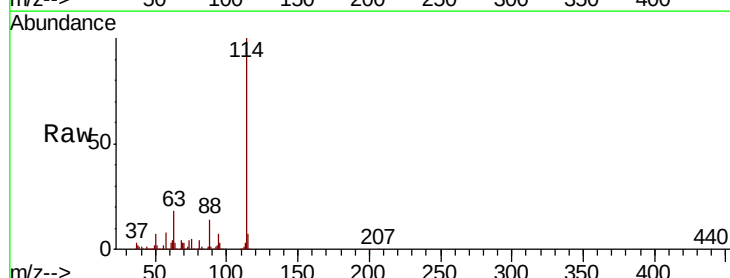
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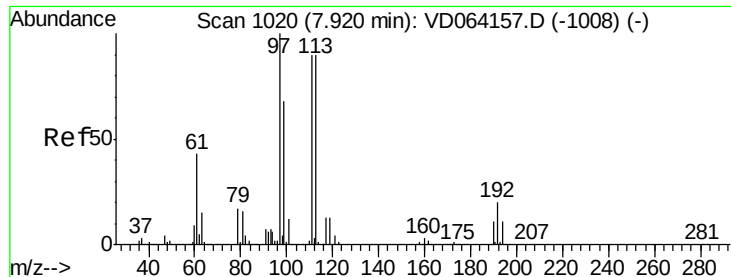
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 11/22/2019 12:52:14 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064307.D
 Acq: 20 Nov 2019 12:13

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.2	0.0	40.0
88	13.7	0.0	30.2





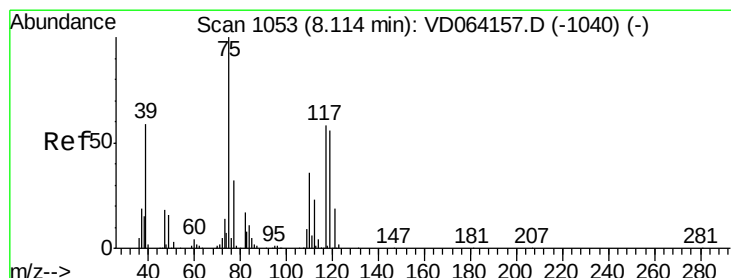
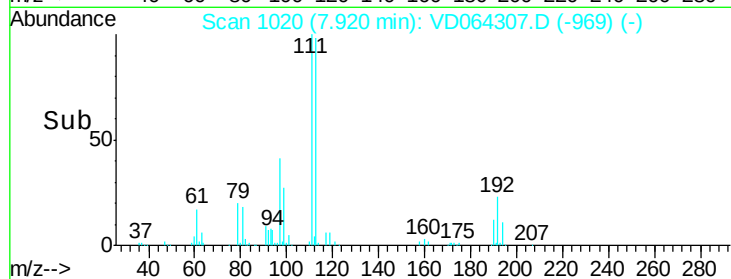
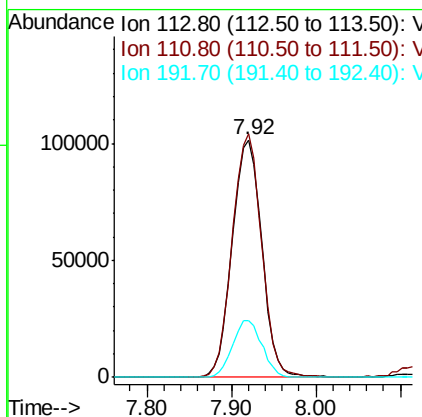
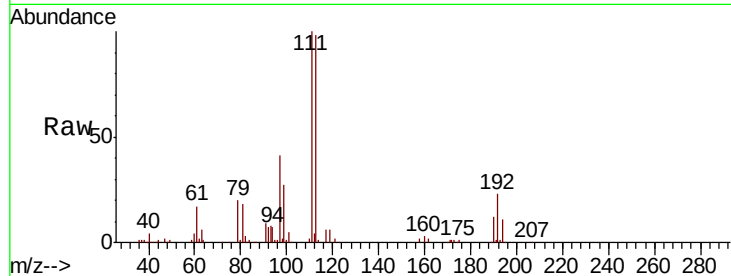
#35
 Dibromofluoromethane
 Concen: 50.632 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD064307.D
 Acq: 20 Nov 2019 12:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1120SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	245782		
111	101.4	81.5	122.3	
192	23.8	18.8	28.2	

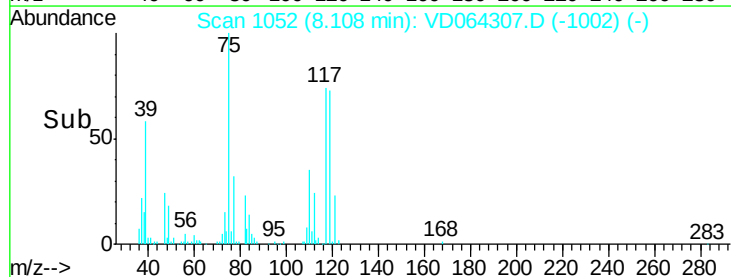
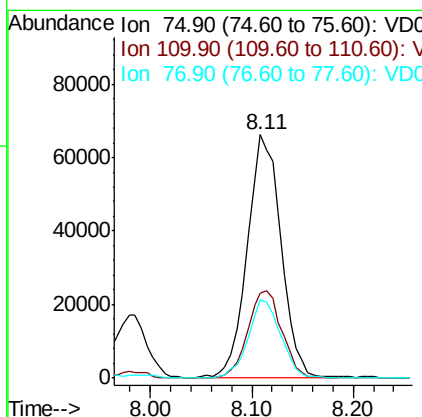
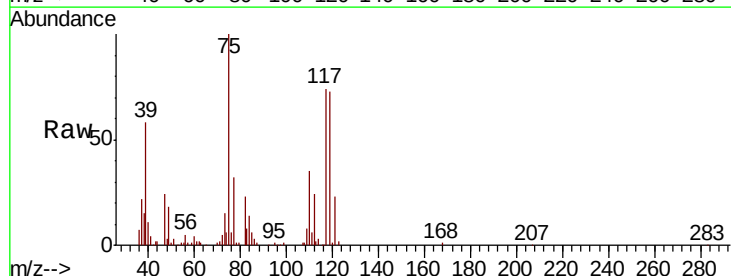
Manual Integrations
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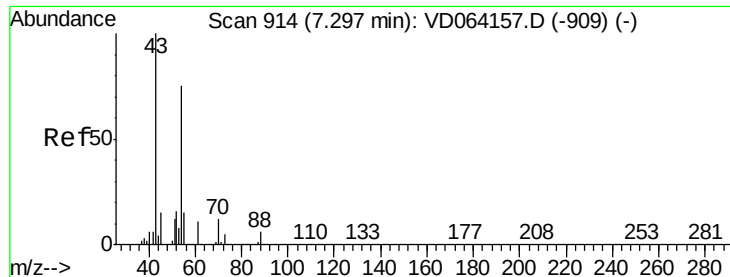
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#36
 1,1-Dichloropropene
 Concen: 19.481 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD064307.D
 Acq: 20 Nov 2019 12:13

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	152042		
110	36.5	18.3	54.9	
77	31.7	25.0	37.6	





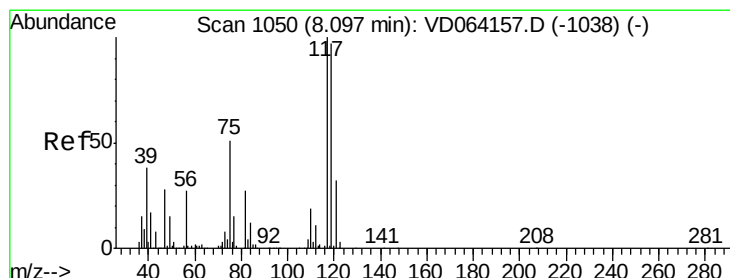
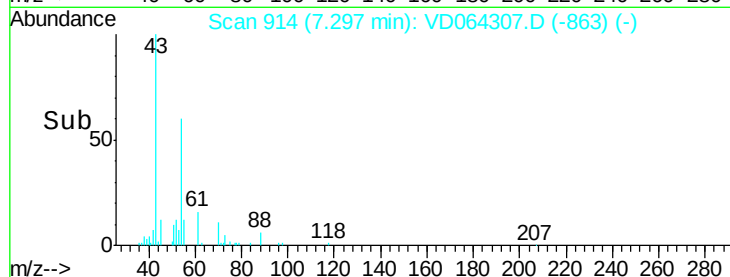
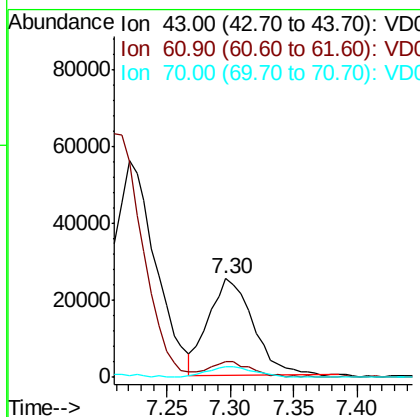
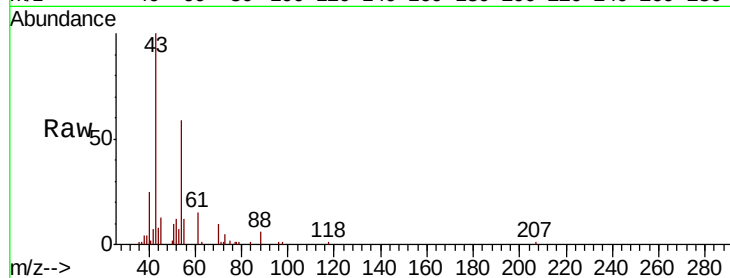
#37
Ethyl Acetate
Concen: 18.716 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD064307.D
Acq: 20 Nov 2019 12:13

Instrument :
MSVOA_D
ClientSampleId :
VD1120SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.7	10.2	15.2#
70	11.7	8.5	12.7

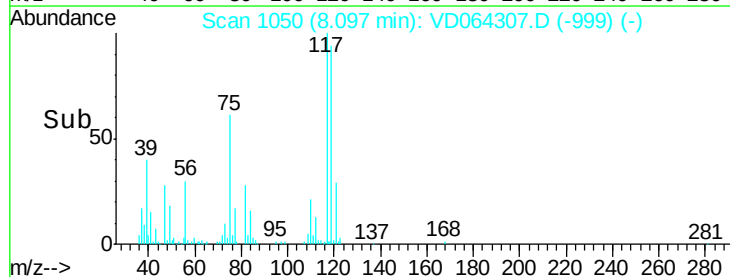
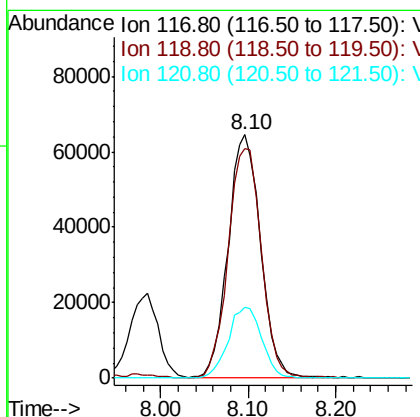
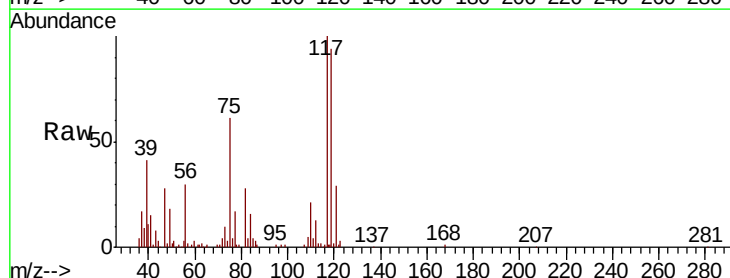
Manual Integrations
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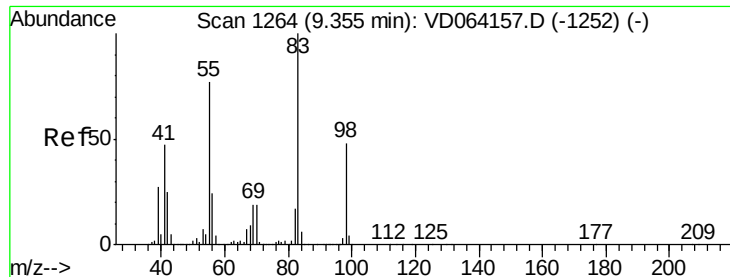
MMDadoda
11/22/2019 12:52:14 AM



#38
Carbon Tetrachloride
Concen: 19.454 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD064307.D
Acq: 20 Nov 2019 12:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.2	77.2	115.8
121	29.3	25.5	38.3





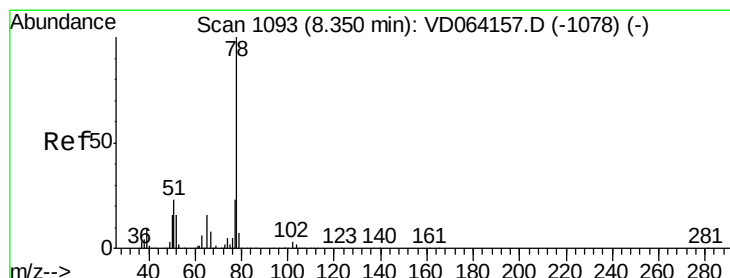
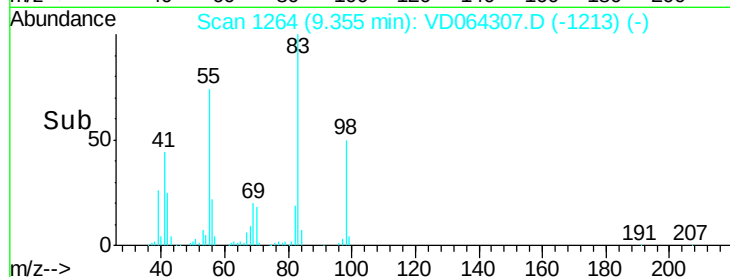
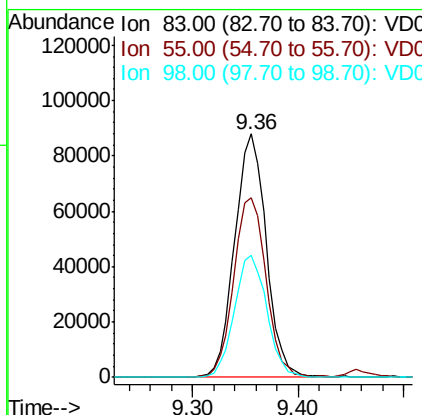
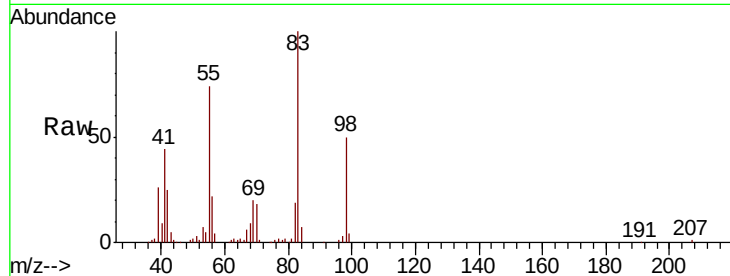
#39
Methylvlcyclohexane
Concen: 18.466 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064307.D
Acq: 20 Nov 2019 12:13

Instrument :
MSVOA_D
ClientSampleId :
VD1120SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.0	61.7	92.5
98	50.2	38.6	58.0

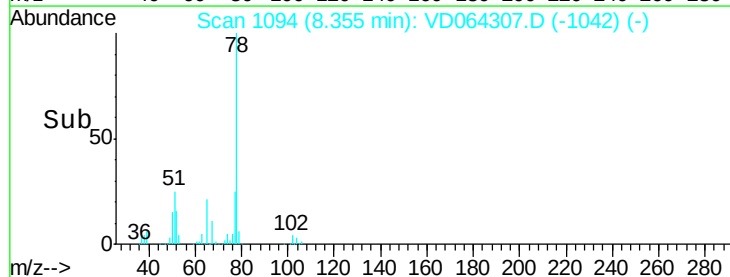
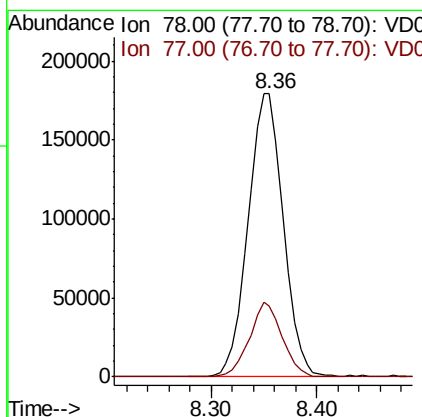
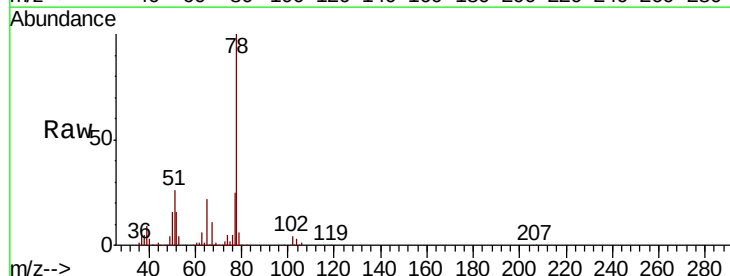
Manual Integrations
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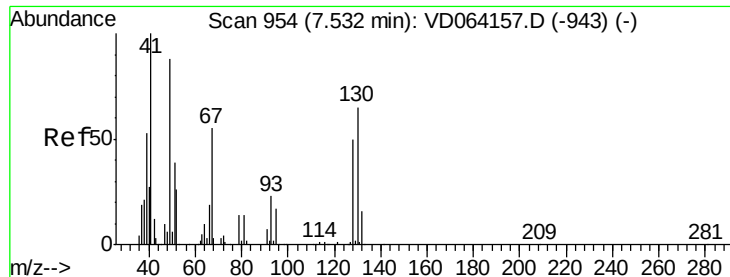
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#40
Benzene
Concen: 19.447 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD064307.D
Acq: 20 Nov 2019 12:13

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.2	18.6	28.0





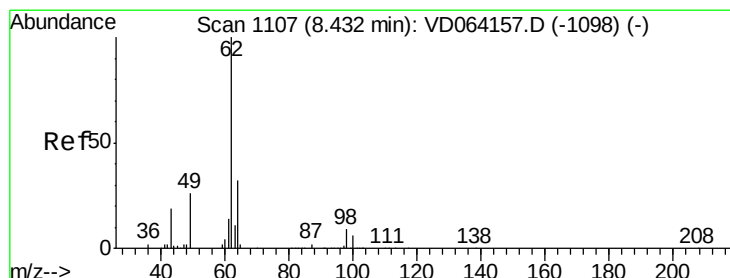
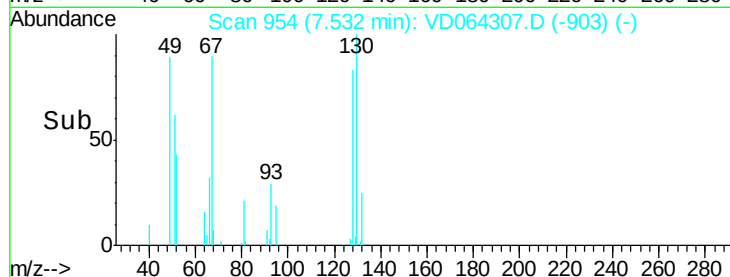
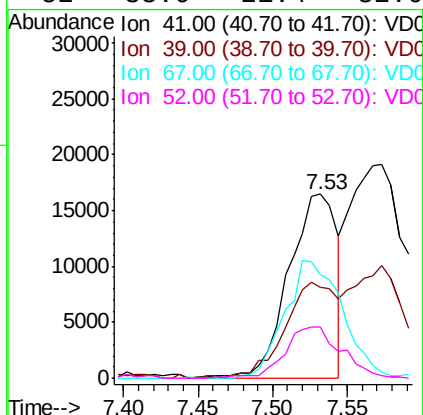
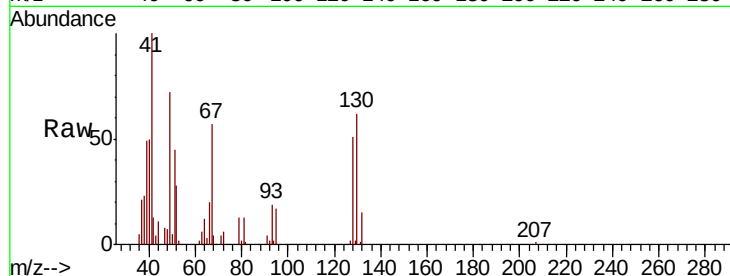
#41
Methacrylonitrile
Concen: 17.822 ug/l
RT: 7.53 min Scan# 954
Delta R.T. -0.00 min
Lab File: VD064307.D
Acq: 20 Nov 2019 12:13

Instrument :
MSVOA_D
ClientSampleId :
VD1120SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	55.4	49.4	74.2
67	77.7	49.6	74.4#
52	33.0	21.4	32.0#

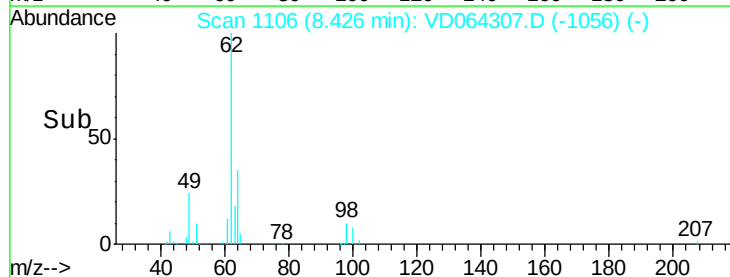
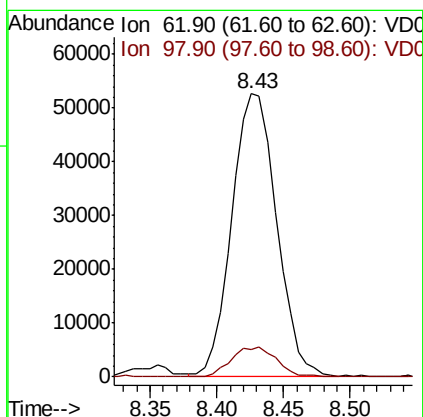
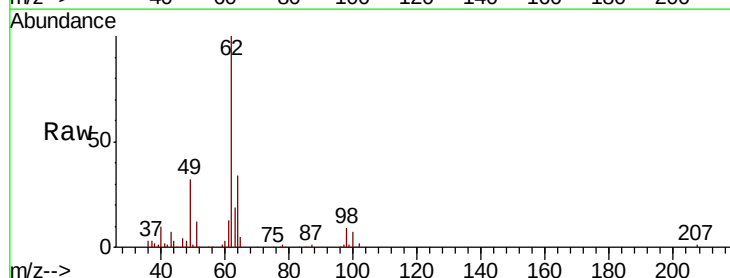
Manual Integrations
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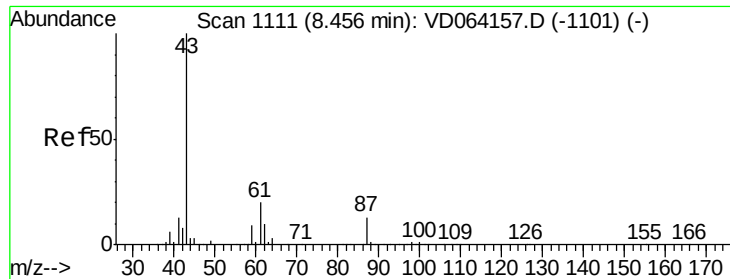
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#42
1,2-Dichloroethane
Concen: 19.203 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD064307.D
Acq: 20 Nov 2019 12:13

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	19.0





#43

Isopropyl Acetate

Concen: 18.859 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD064307.D

Acq: 20 Nov 2019 12:13

Instrument :

MSVOA_D

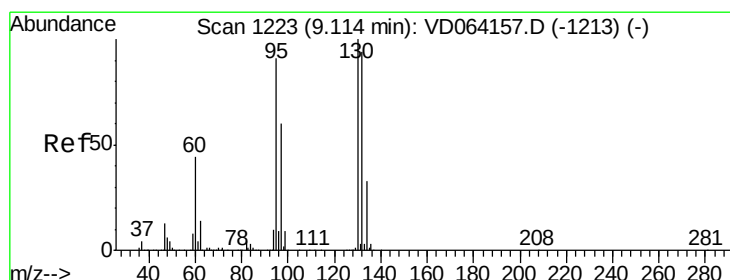
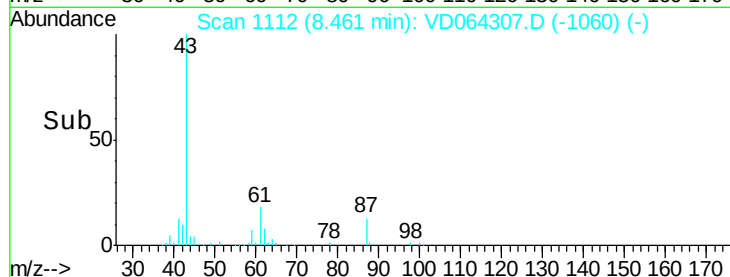
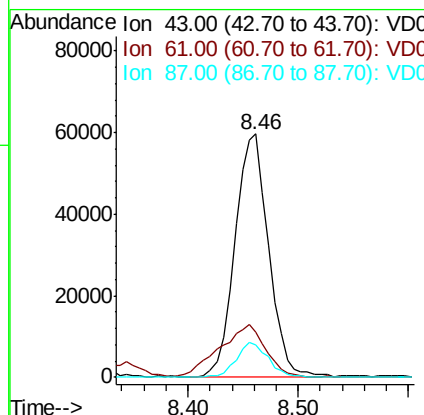
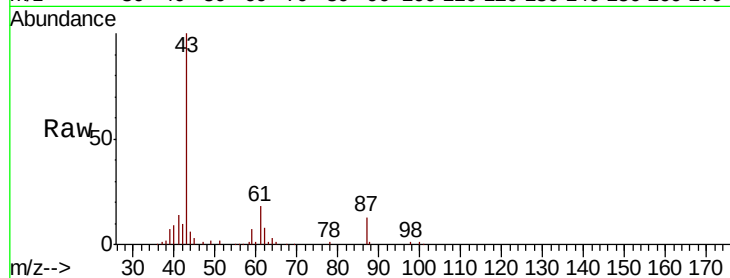
ClientSampleId :

VD1120SBS01

Tot Ion:	43	Resp:	127854
Ion	Ratio	Lower	Upper
43	100		
61	29.6	22.9	34.3
87	13.4	10.2	15.2

Manual Integrations
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#44

Trichloroethene

Concen: 19.721 ug/l

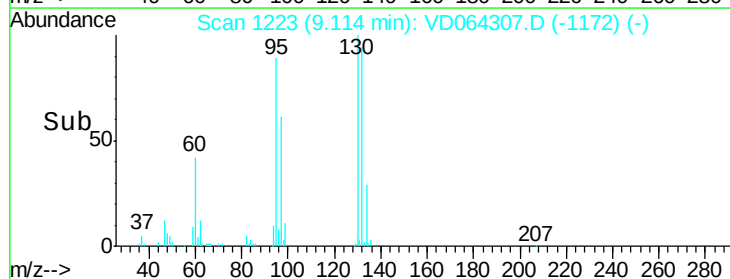
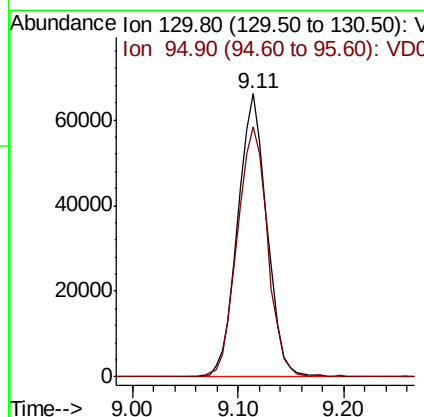
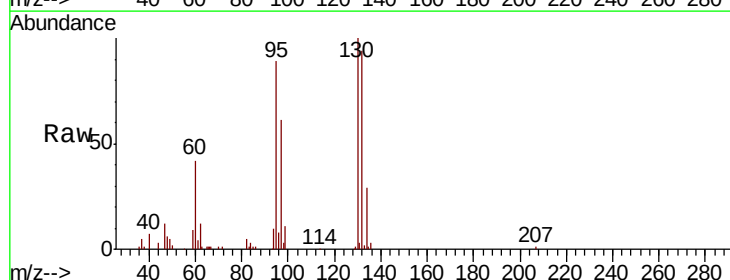
RT: 9.11 min Scan# 1223

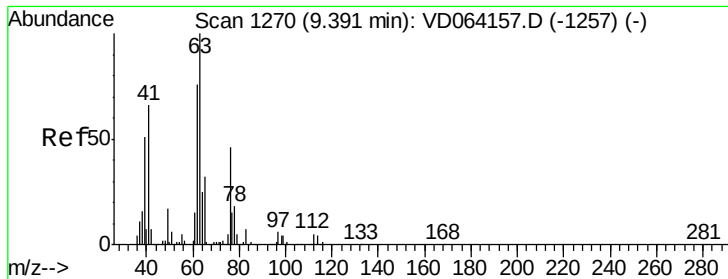
Delta R.T. -0.00 min

Lab File: VD064307.D

Acq: 20 Nov 2019 12:13

Tgt Ion:	130	Resp:	126256
Ion	Ratio	Lower	Upper
130	100		
95	88.5	0.0	181.6





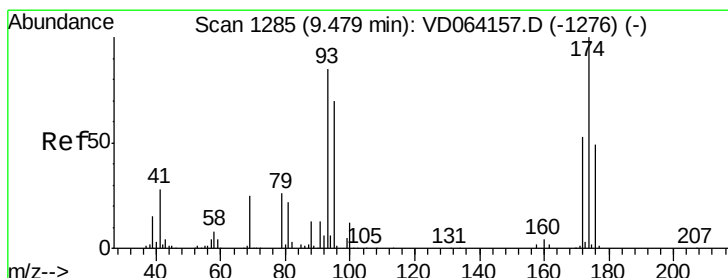
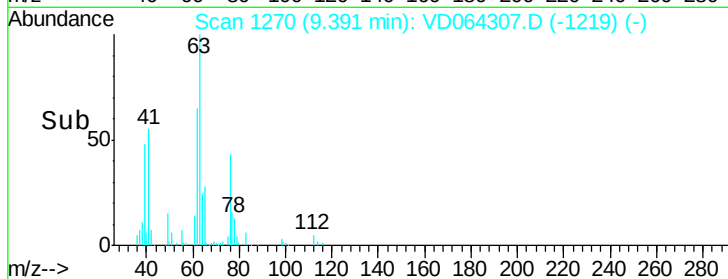
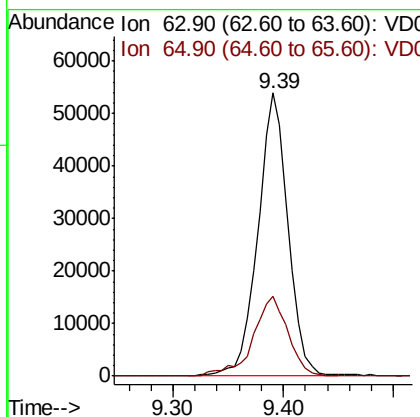
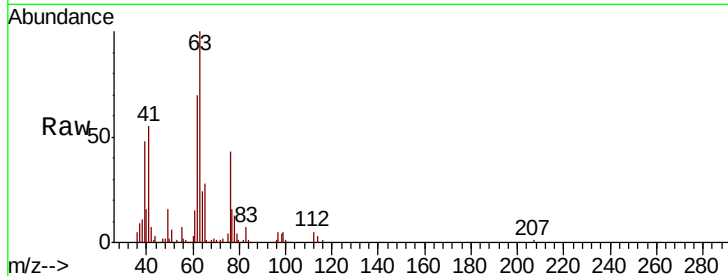
#45
 1,2-Dichloropropane
 Concen: 19.820 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD064307.D
 Acq: 20 Nov 2019 12:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1120SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	28.4	25.7	38.5

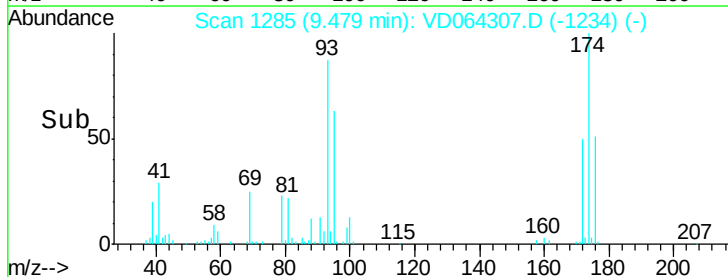
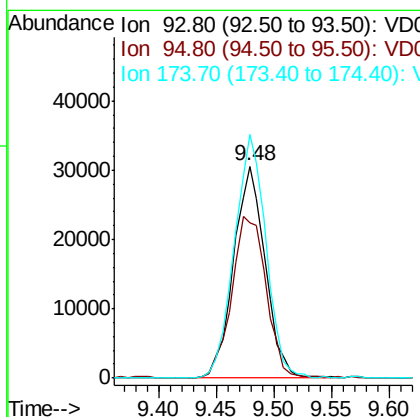
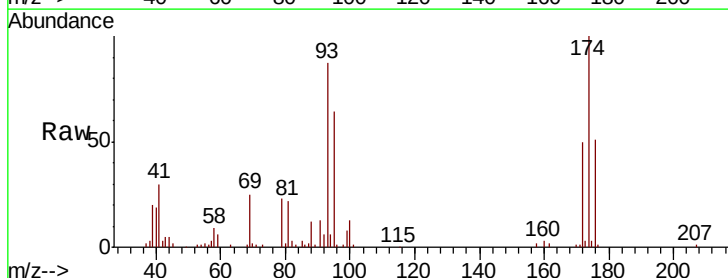
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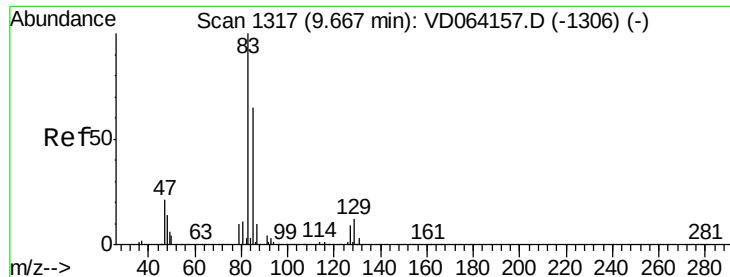
MMDadoda
 11/22/2019 12:52:14 AM



#46
 Dibromomethane
 Concen: 20.833 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD064307.D
 Acq: 20 Nov 2019 12:13

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.2	65.5	98.3
174	114.8	93.9	140.9





#47

Bromodichloromethane

Concen: 19.714 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD064307.D

Acq: 20 Nov 2019 12:13

Instrument :

MSVOA_D

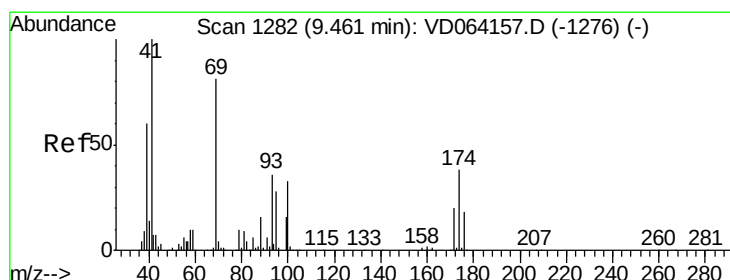
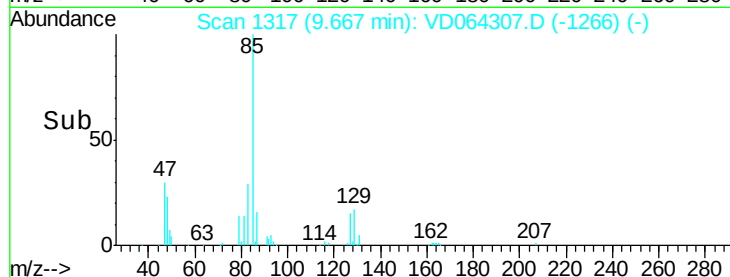
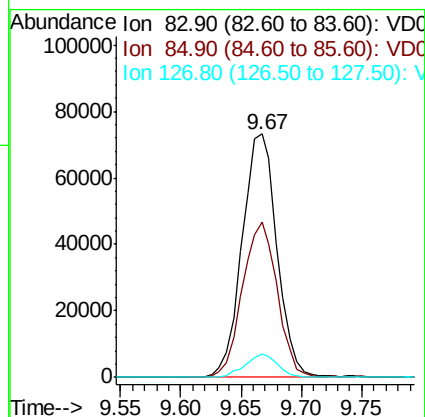
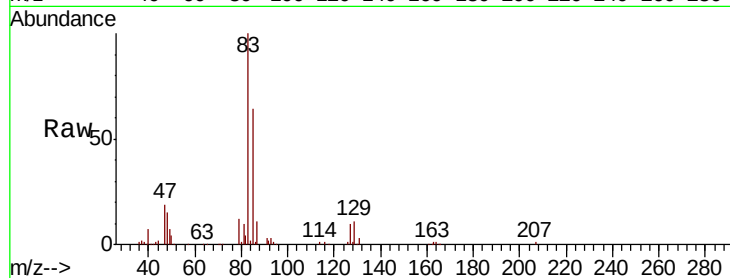
ClientSampleId :

VD1120SBS01

Tot Ion:	83	Resp:	147593
Ion	Ratio	Lower	Upper
83	100		
85	63.9	52.2	78.4
127	9.6	7.5	11.3

Manual Integrations
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11/22/2019 12:52:14 AM



#48

Methyl methacrylate

Concen: 17.738 ug/l

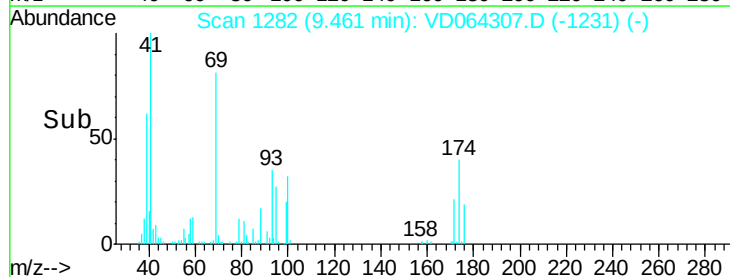
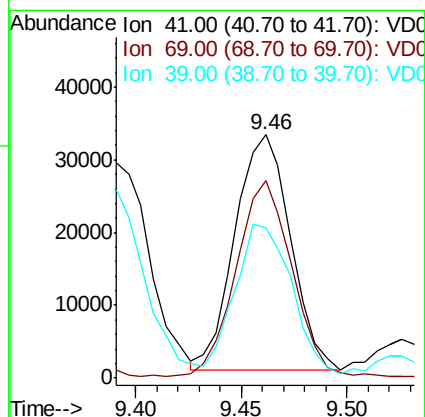
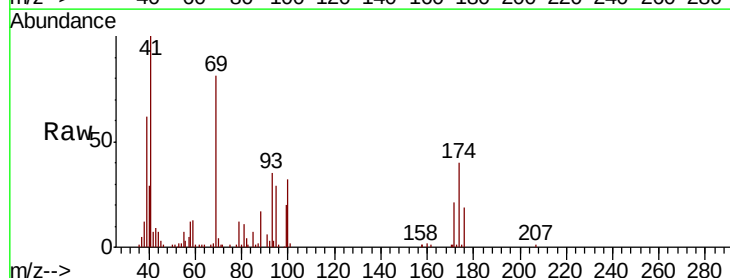
RT: 9.46 min Scan# 1282

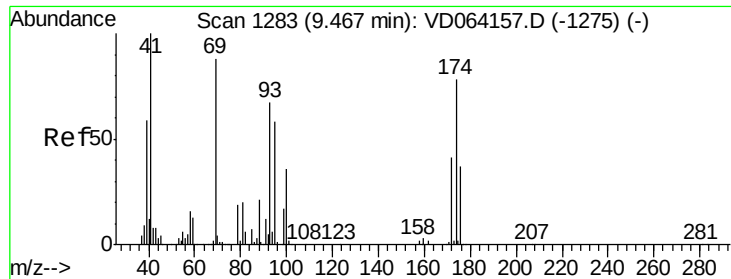
Delta R.T. -0.00 min

Lab File: VD064307.D

Acq: 20 Nov 2019 12:13

Tgt Ion:	41	Resp:	58800
Ion	Ratio	Lower	Upper
41	100		
69	87.0	64.6	97.0
39	68.5	48.2	72.2





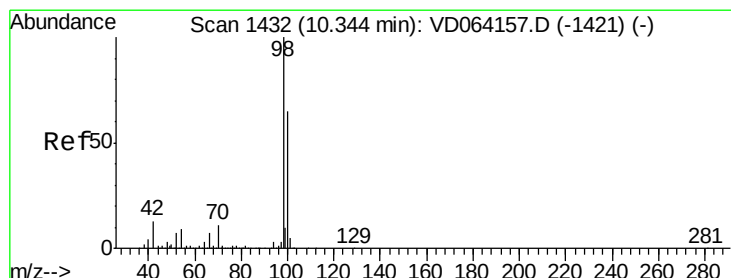
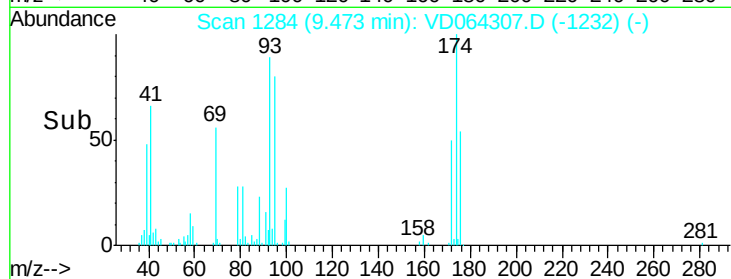
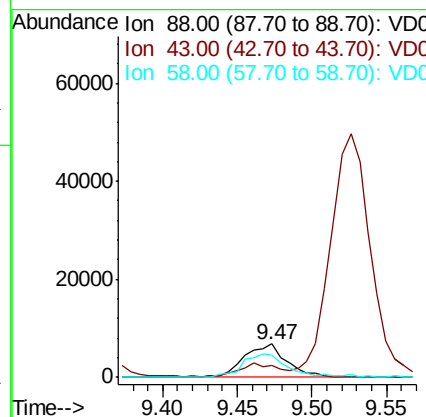
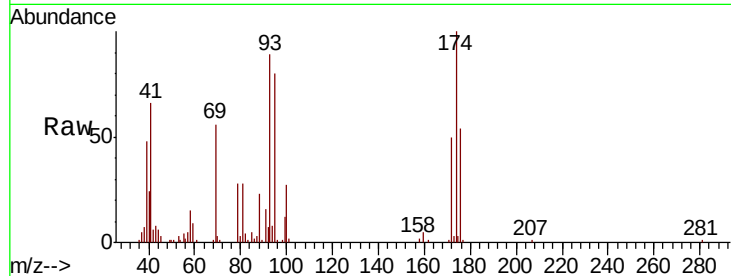
#49
1,4-Dioxane
Concen: 399.563 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD064307.D
Acq: 20 Nov 2019 12:13

Instrument :
MSVOA_D
ClientSampleId :
VD1120SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	43.1	29.8	44.8
58	78.3	58.1	87.1

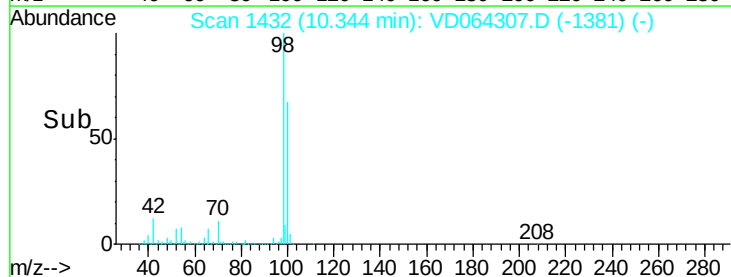
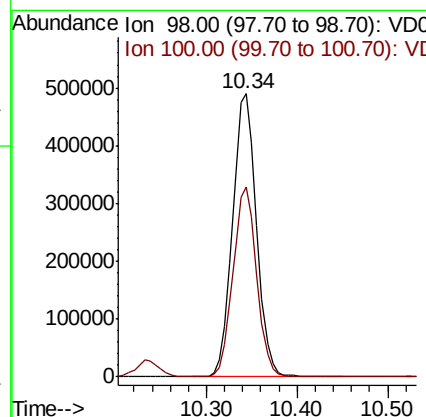
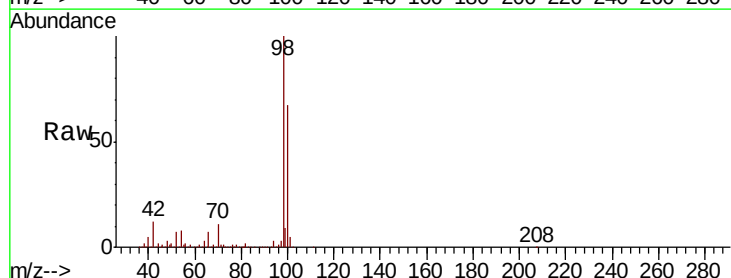
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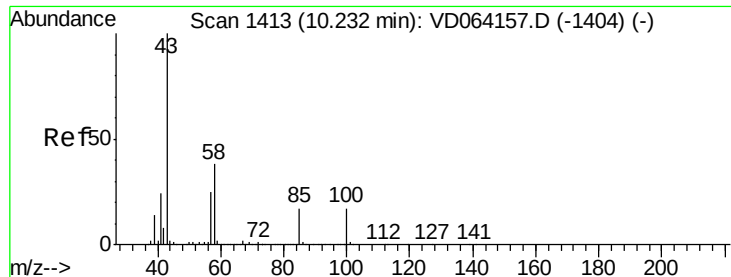
MMDadoda
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#50
Toluene-d8
Concen: 49.044 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064307.D
Acq: 20 Nov 2019 12:13

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.5	52.6	78.8





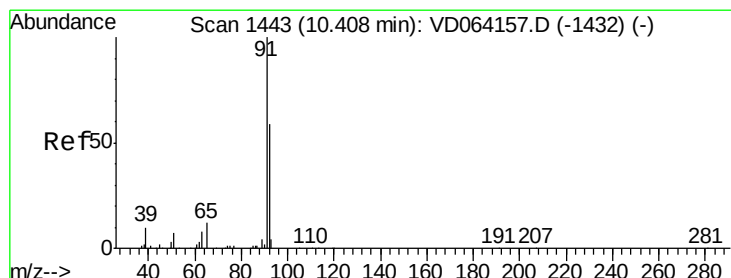
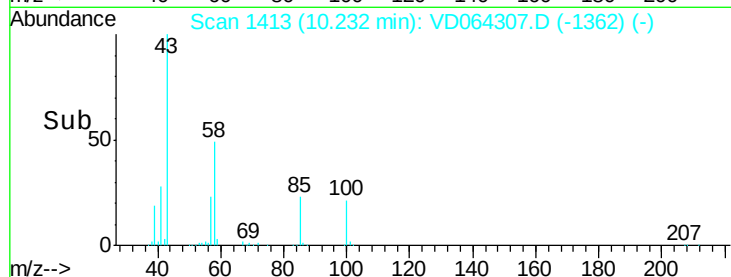
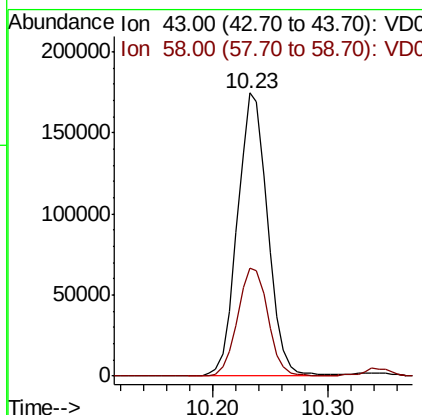
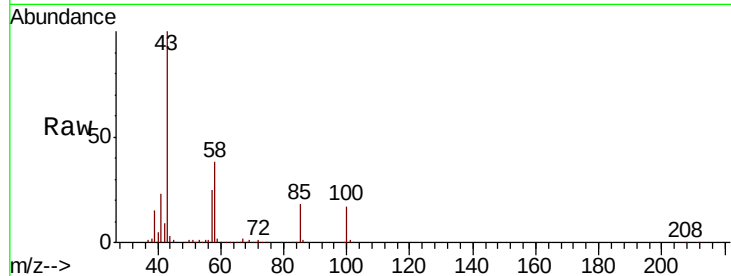
#51
4-Methyl-2-Pentanone
Concen: 97.103 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.00 min
Lab File: VD064307.D
Acq: 20 Nov 2019 12:13

Instrument :
MSVOA_D
ClientSampleId :
VD1120SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.4	30.2	45.4

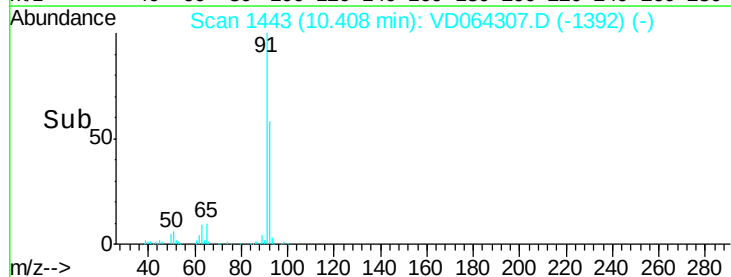
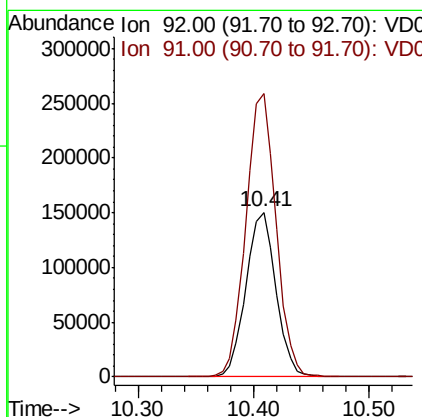
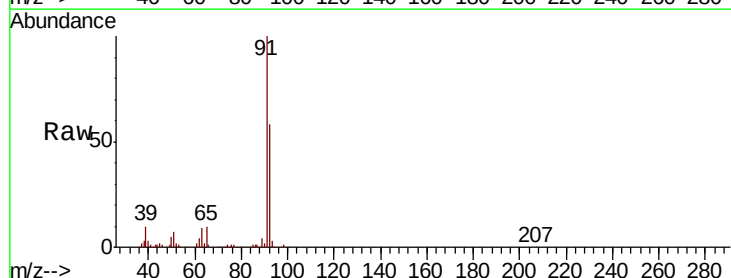
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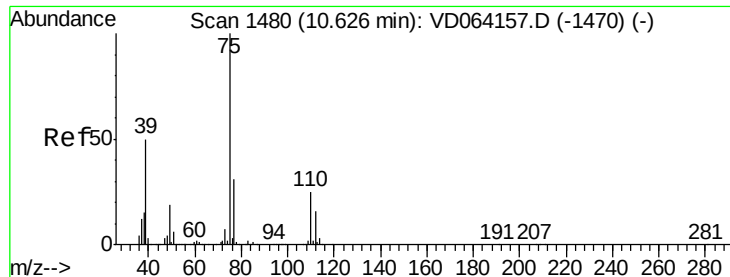
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#52
Toluene
Concen: 19.474 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VD064307.D
Acq: 20 Nov 2019 12:13

Tgt Ion	Ratio	Lower	Upper
92	100		
91	173.0	136.4	204.6





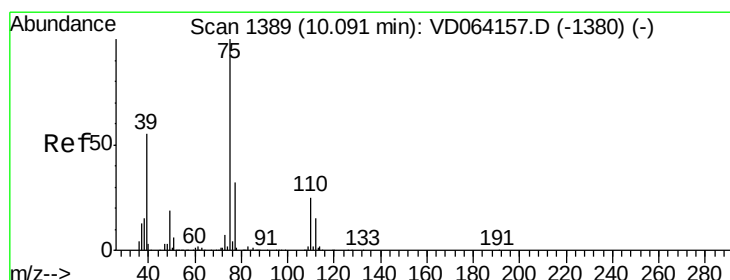
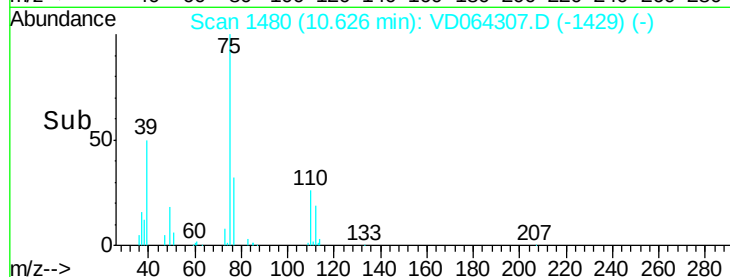
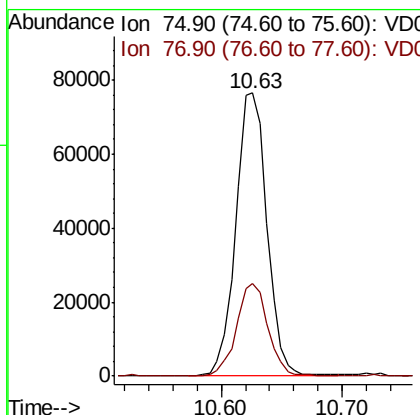
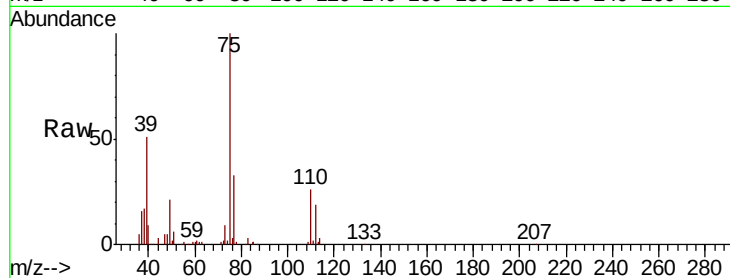
#53
t-1,3-Dichloropropene
Concen: 18.406 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD064307.D
Acq: 20 Nov 2019 12:13

Instrument :
MSVOA_D
ClientSampleId :
VD1120SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.8	24.7	37.1

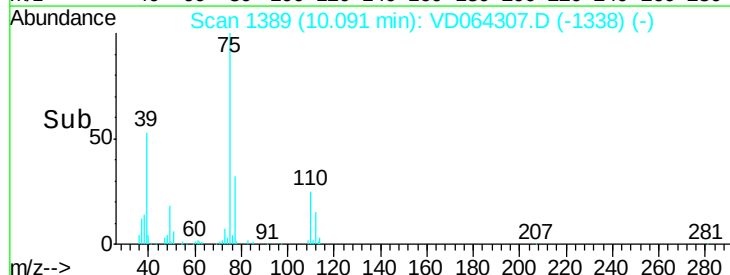
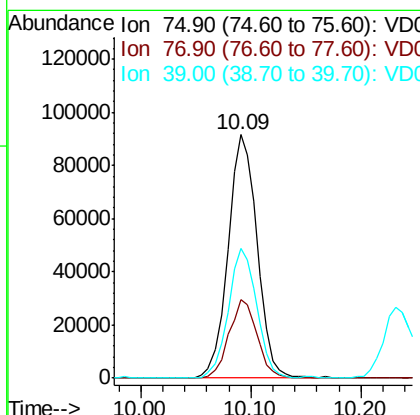
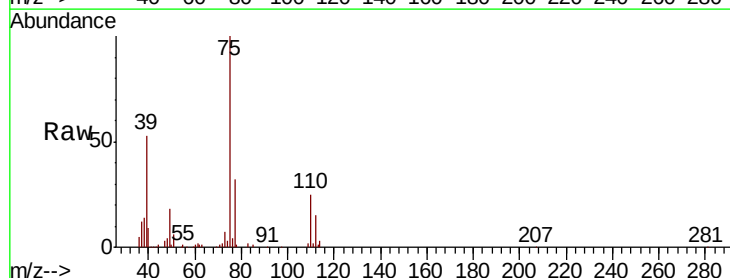
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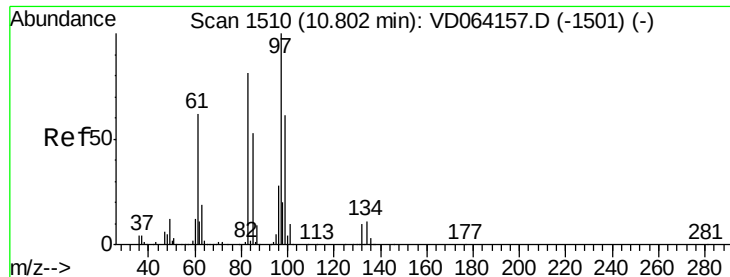
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 19.261 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VD064307.D
Acq: 20 Nov 2019 12:13

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.2	37.8
39	53.0	44.2	66.2





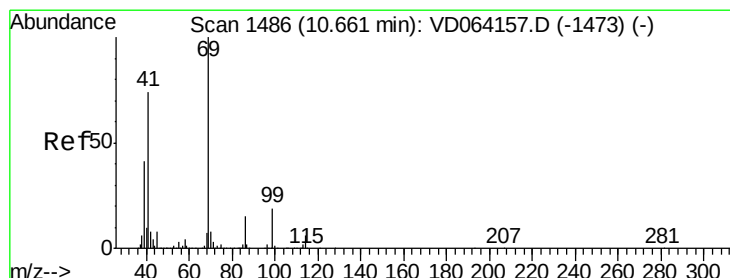
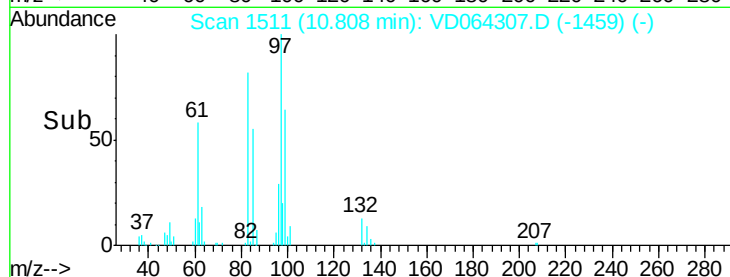
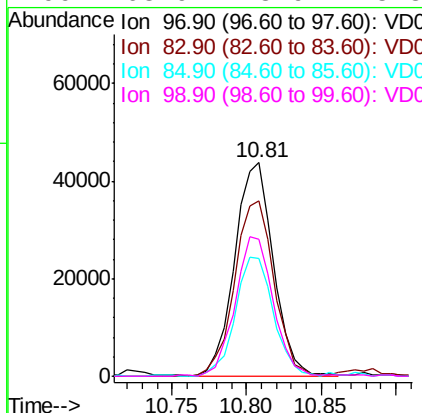
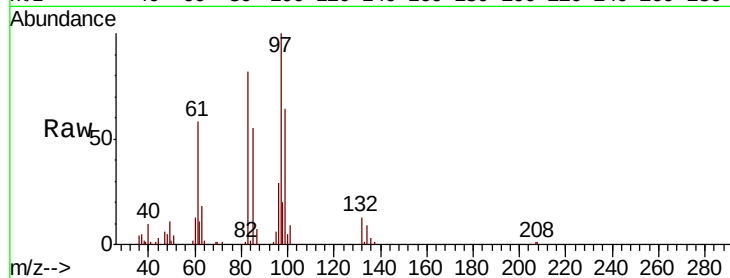
#55
 1,1,2-Trichloroethane
 Concen: 20.953 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD064307.D
 Acq: 20 Nov 2019 12:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1120SBS01

Tot Ion:	97	Resp:	79006
Ion	Ratio	Lower	Upper
97	100		
83	82.4	65.1	97.7
85	55.1	42.0	63.0
99	63.9	48.9	73.3

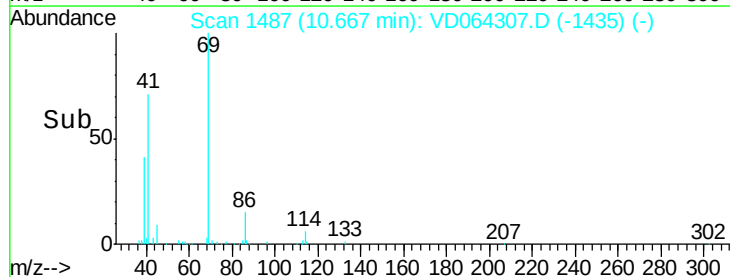
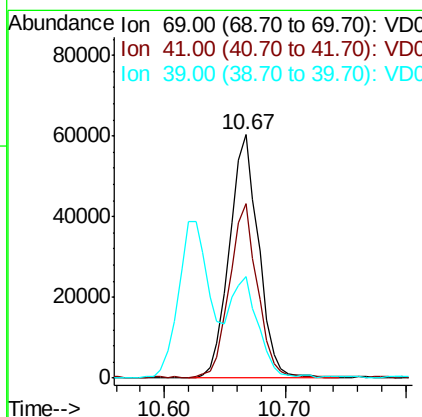
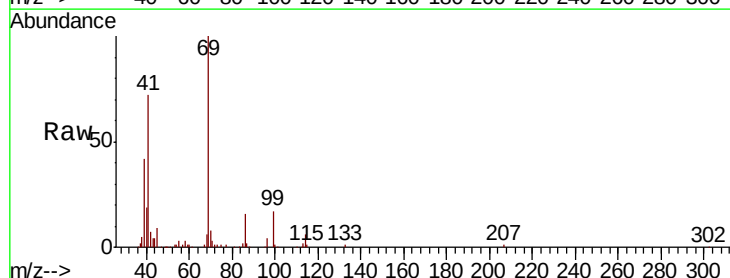
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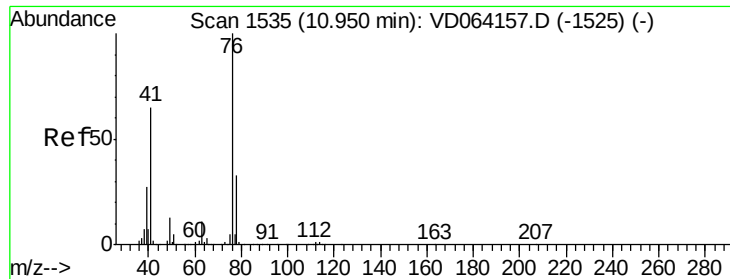
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 11/22/2019 12:52:14 AM



#56
 Ethyl methacrylate
 Concen: 19.275 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD064307.D
 Acq: 20 Nov 2019 12:13

Tgt Ion:	69	Resp:	101669
Ion	Ratio	Lower	Upper
69	100		
41	67.7	57.9	86.9
39	36.6	29.0	43.4





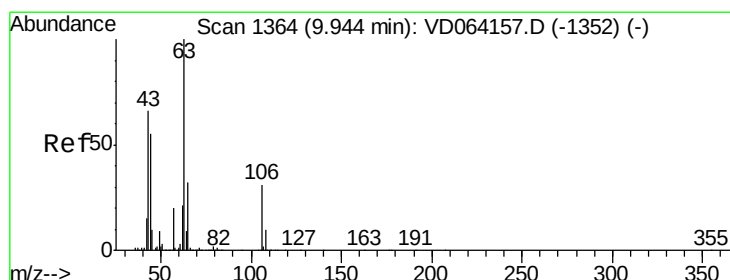
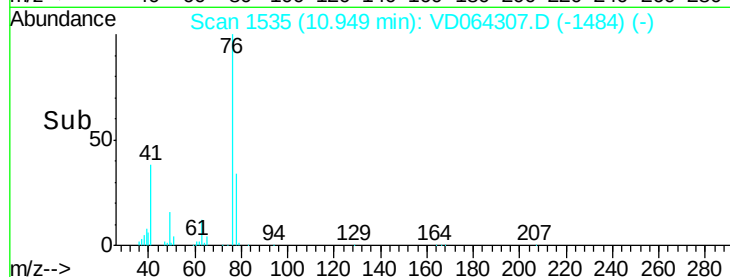
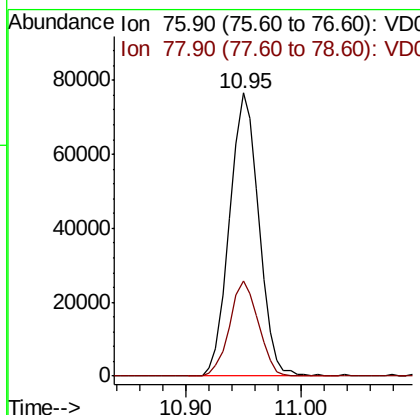
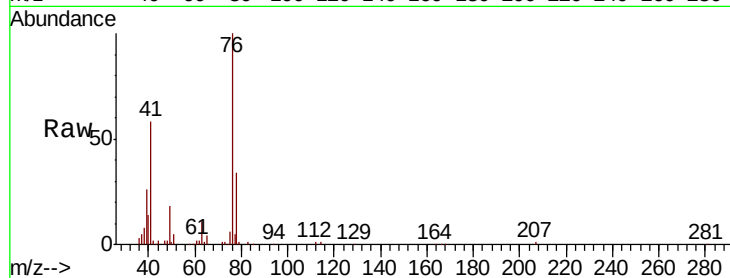
#57
 1,3-Dichloropropane
 Concen: 20.480 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD064307.D
 Acq: 20 Nov 2019 12:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1120SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.3	26.2	39.4

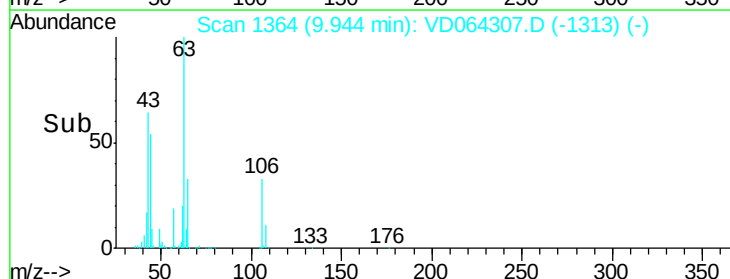
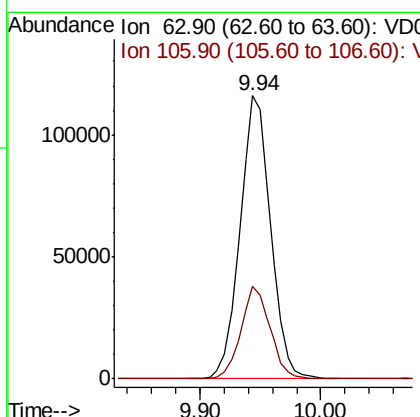
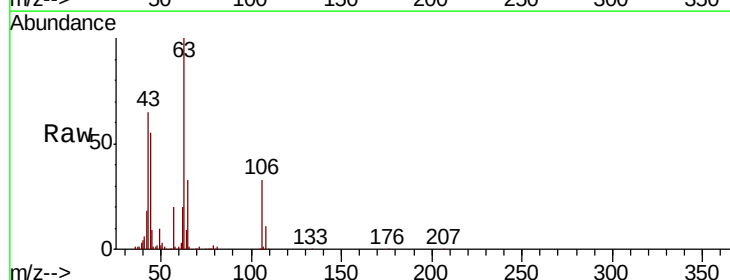
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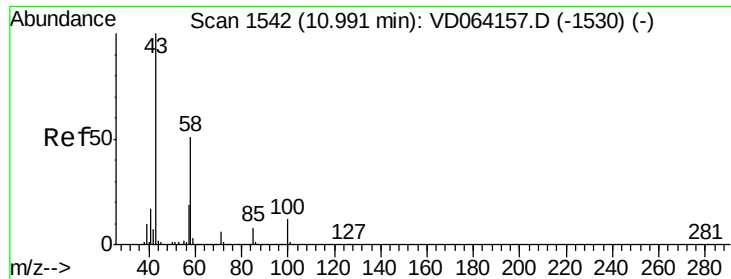
MMDadoda
 11/22/2019 12:52:14 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 95.830 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD064307.D
 Acq: 20 Nov 2019 12:13

Tgt Ion	Ratio	Lower	Upper
63	100		
106	31.2	24.1	36.1





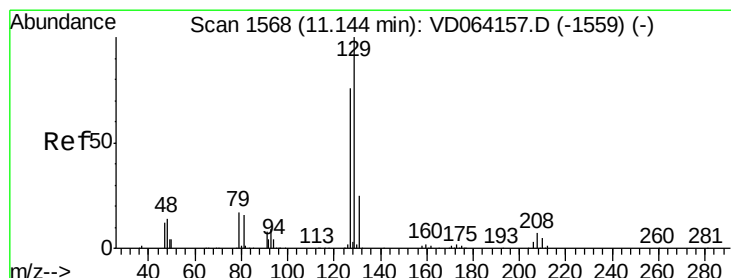
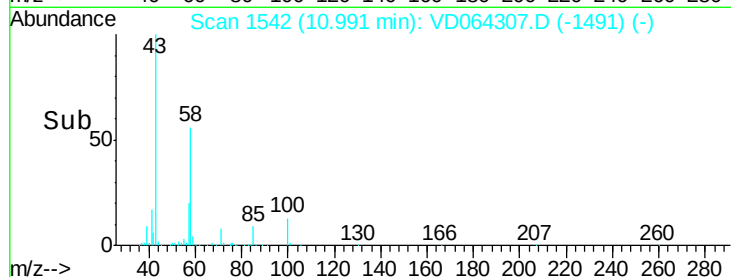
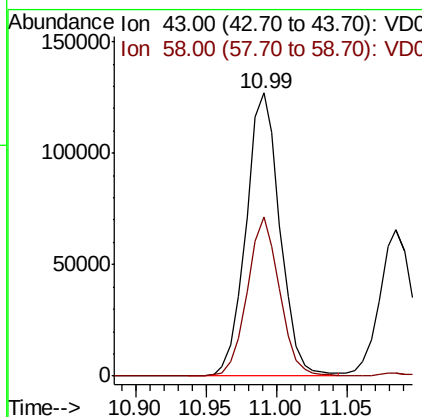
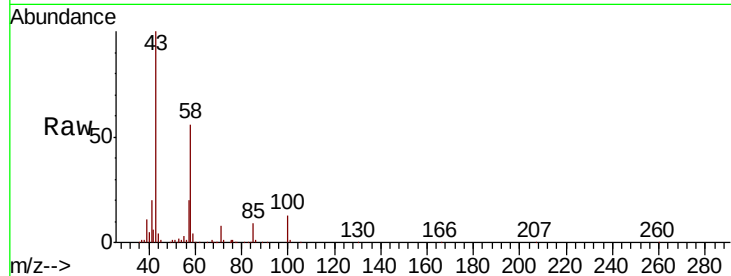
#59
2-Hexanone
Concen: 92.709 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD064307.D
Acq: 20 Nov 2019 12:13

Instrument :
MSVOA_D
ClientSampleId :
VD1120SBS01

Tot Ion: 43 Resp: 214429
Ion Ratio Lower Upper
43 100
58 53.3 25.9 77.7

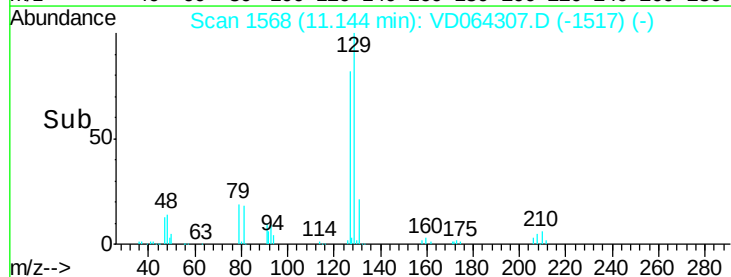
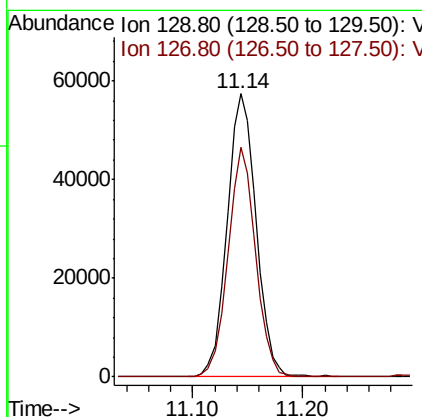
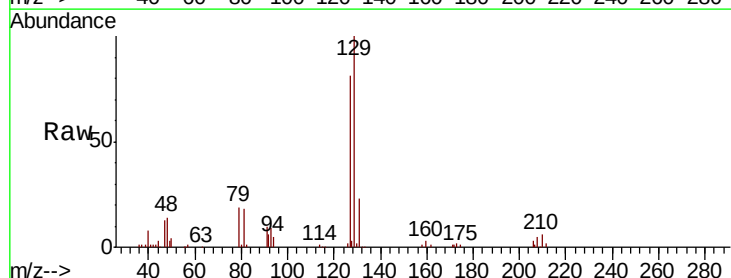
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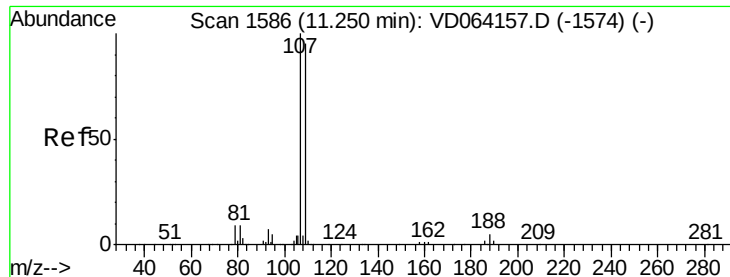
MMDadoda
11/22/2019 12:52:14 AM



#60
Dibromochloromethane
Concen: 20.075 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD064307.D
Acq: 20 Nov 2019 12:13

Tgt Ion: 129 Resp: 105622
Ion Ratio Lower Upper
129 100
127 76.8 38.6 115.8





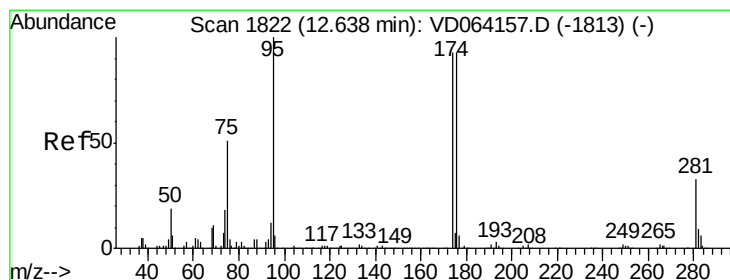
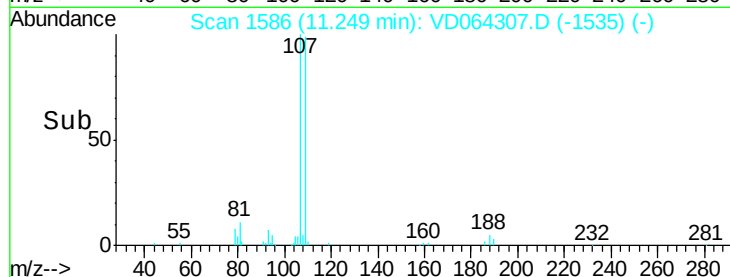
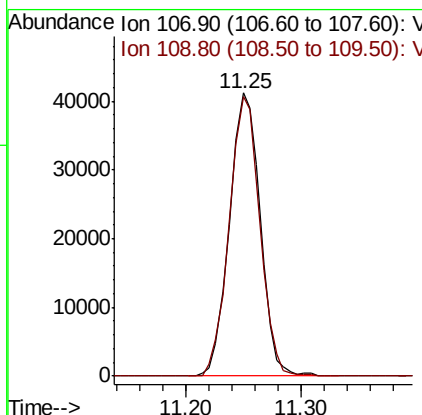
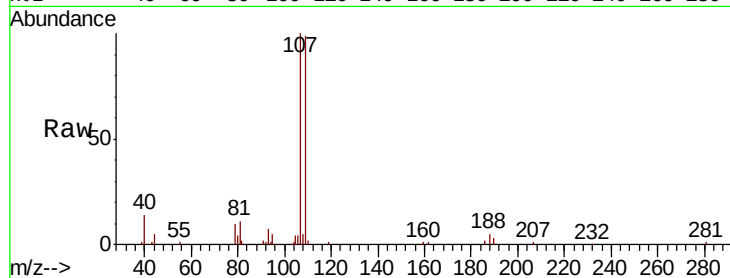
#61
 1,2-Dibromoethane
 Concen: 20.158 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD064307.D
 Acq: 20 Nov 2019 12:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1120SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	98.0	75.1	112.7

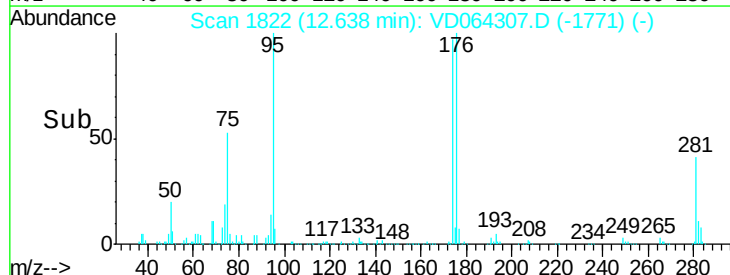
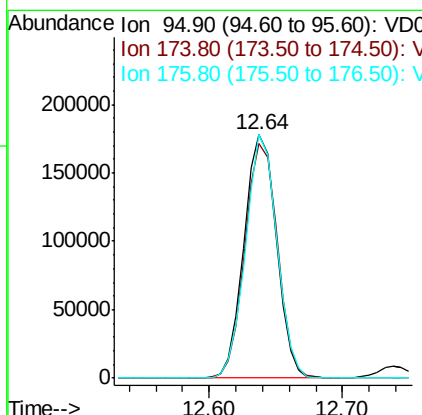
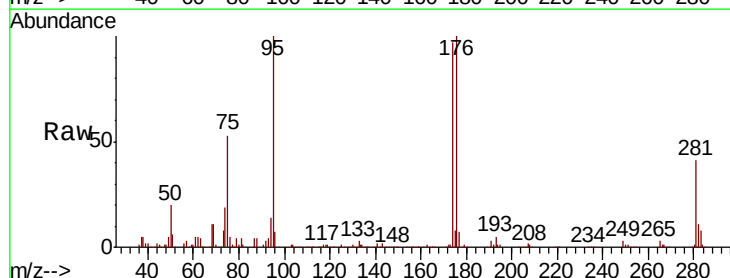
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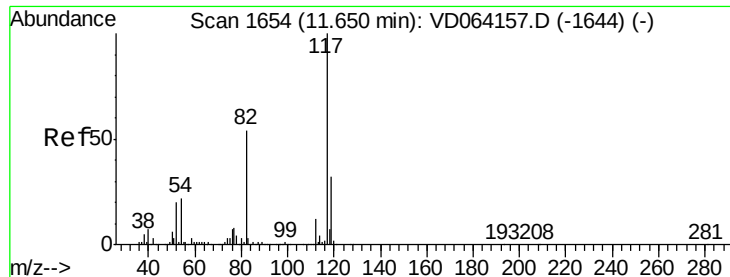
MMDadoda
 11/22/2019 12:52:14 AM



#62
 4-Bromofluorobenzene
 Concen: 47.020 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD064307.D
 Acq: 20 Nov 2019 12:13

Tgt Ion	Ratio	Lower	Upper
95	100		
174	97.1	0.0	183.6
176	96.5	0.0	180.2





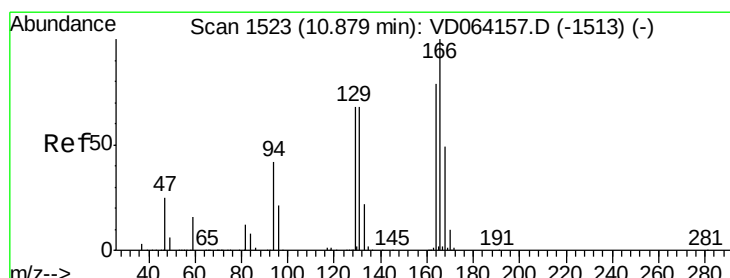
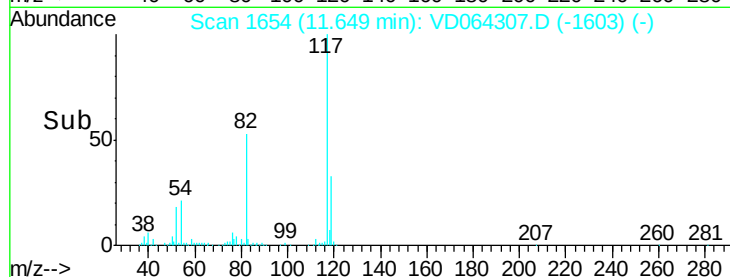
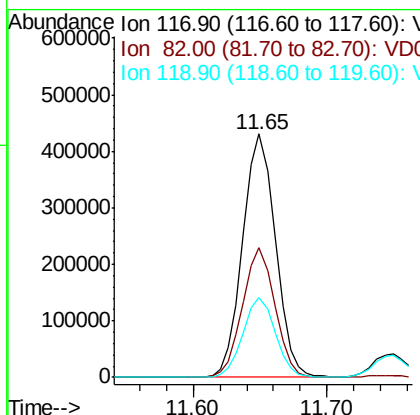
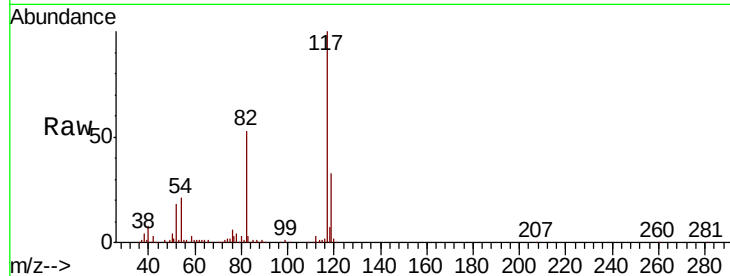
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064307.D
Acq: 20 Nov 2019 12:13

Instrument :
MSVOA_D
ClientSampleId :
VD1120SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.1	42.8	64.2
119	32.8	25.6	38.4

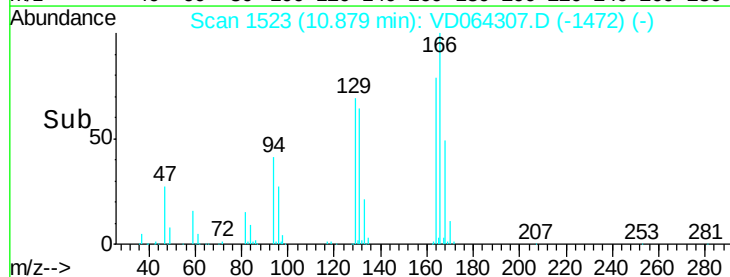
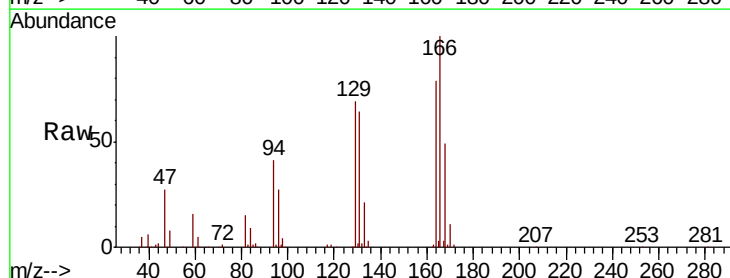
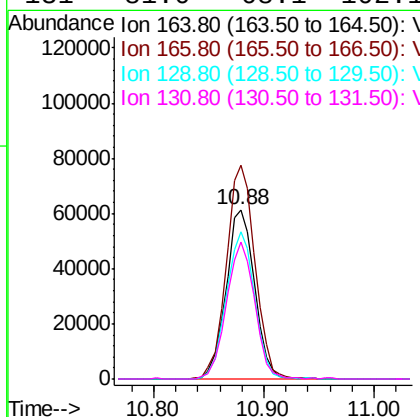
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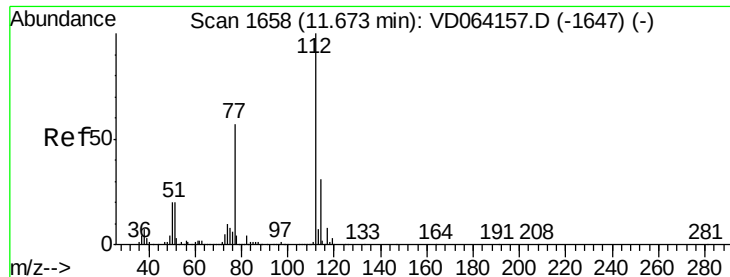
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#64
Tetrachloroethene
Concen: 19.747 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD064307.D
Acq: 20 Nov 2019 12:13

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.3	100.8	151.2
129	87.1	68.7	103.1
131	81.0	68.1	102.1





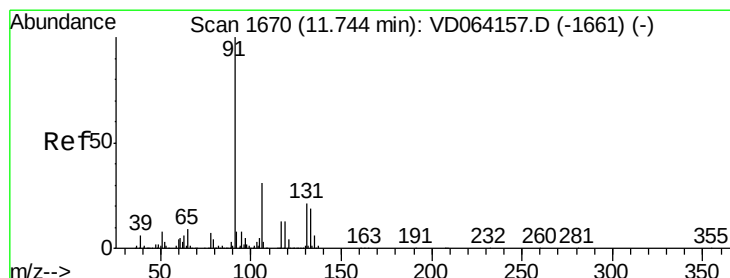
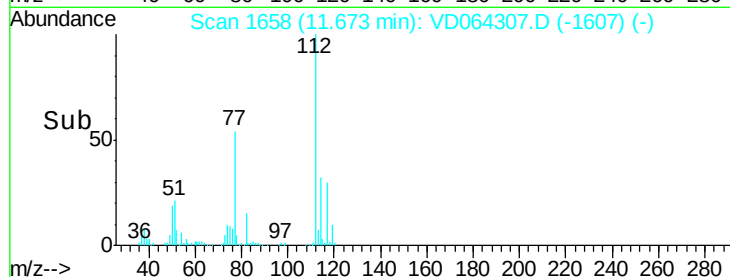
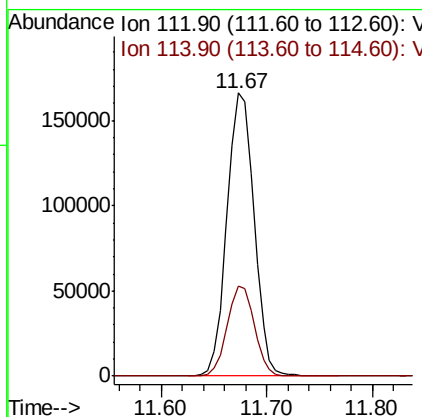
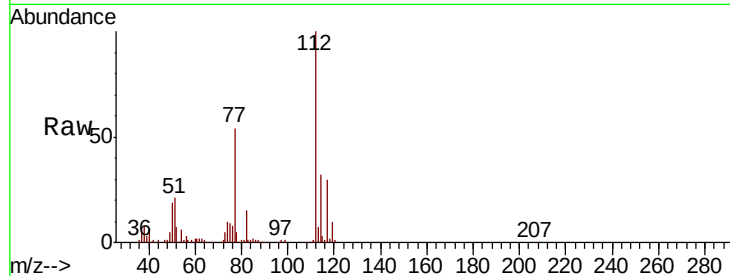
#65
Chlorobenzene
Concen: 19.796 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD064307.D
Acq: 20 Nov 2019 12:13

Instrument :
MSVOA_D
ClientSampleId :
VD1120SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.2	37.8

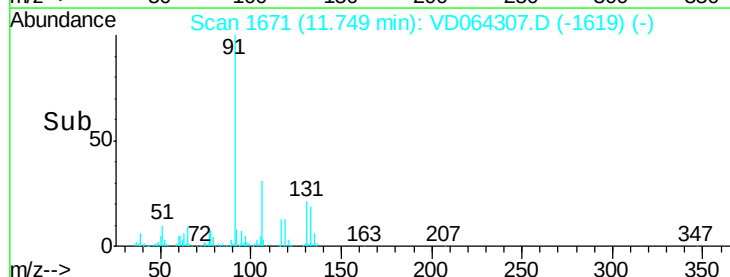
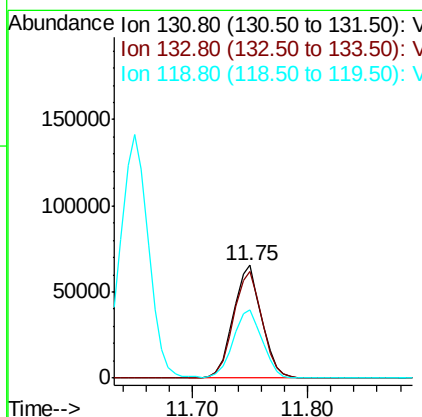
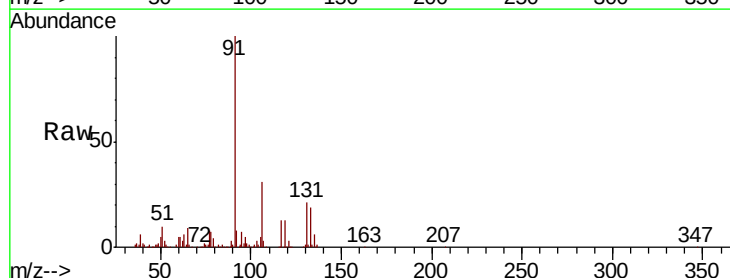
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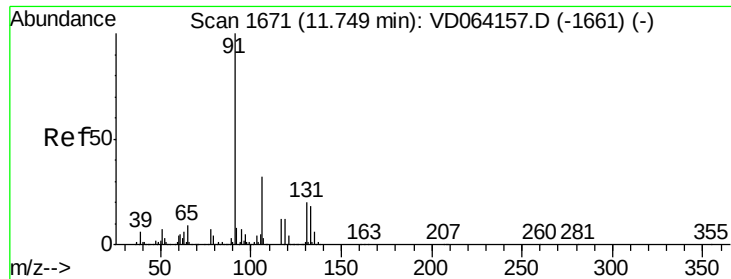
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11/22/2019 12:52:14 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.553 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064307.D
Acq: 20 Nov 2019 12:13

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.8	47.3	141.9
119	62.4	31.1	93.3





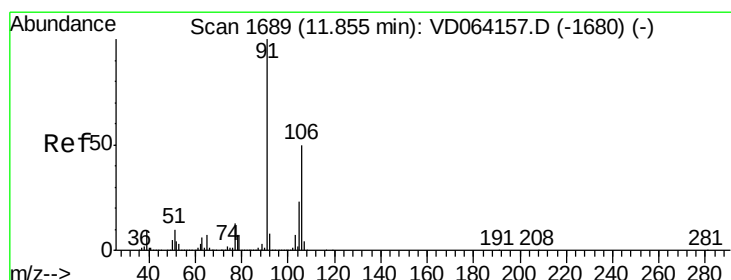
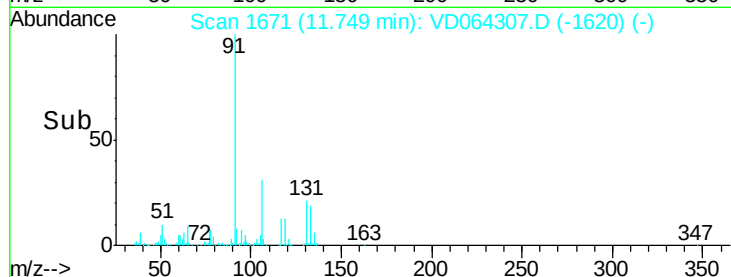
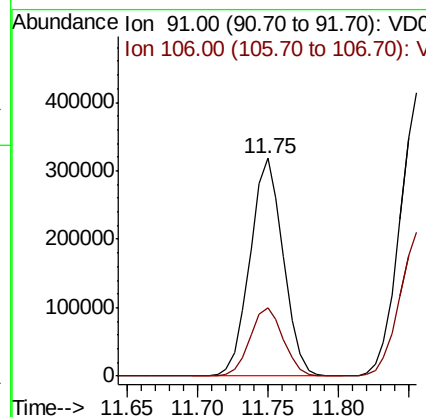
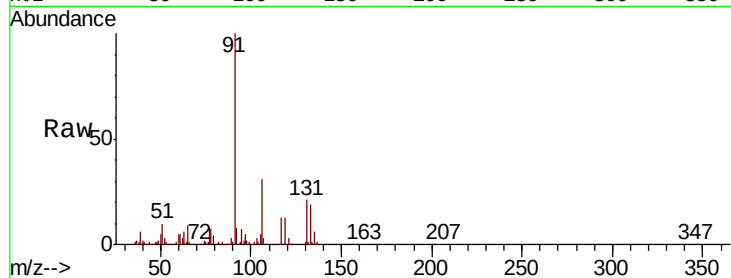
#67
Ethyl Benzene
Concen: 19.503 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD064307.D
Acq: 20 Nov 2019 12:13

Instrument :
MSVOA_D
ClientSampleId :
VD1120SBS01

Tot Ion: 91 Resp: 525743
Ion Ratio Lower Upper
91 100
106 31.5 25.5 38.3

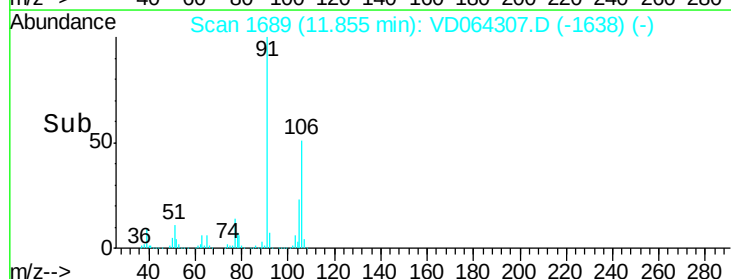
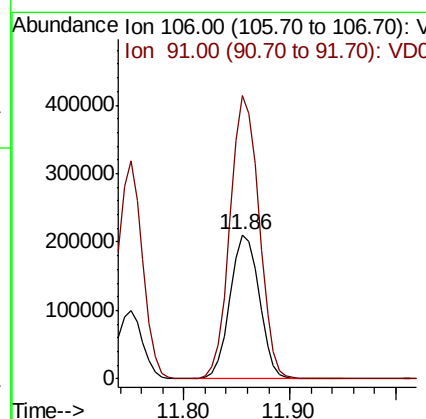
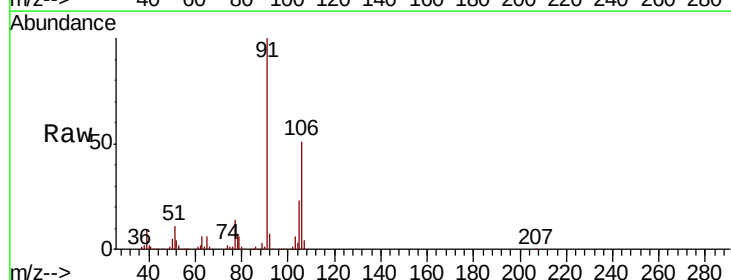
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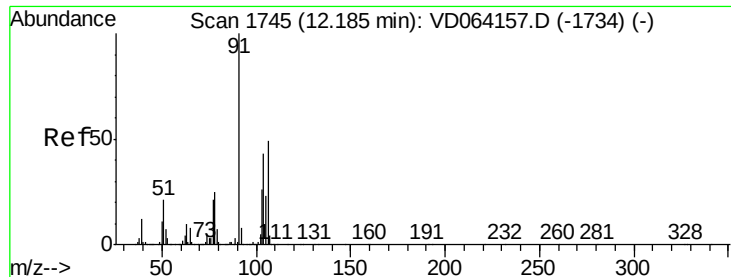
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#68
m/p-Xylenes
Concen: 39.207 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD064307.D
Acq: 20 Nov 2019 12:13

Tgt Ion: 106 Resp: 405120
Ion Ratio Lower Upper
106 100
91 193.8 160.3 240.5





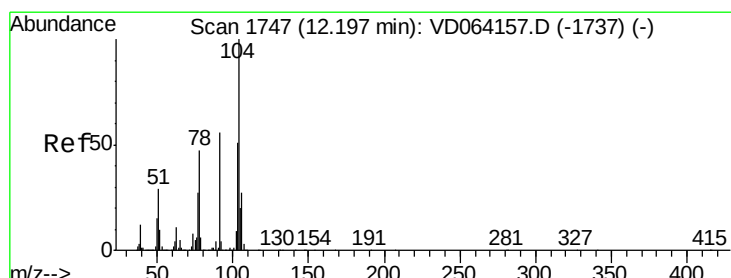
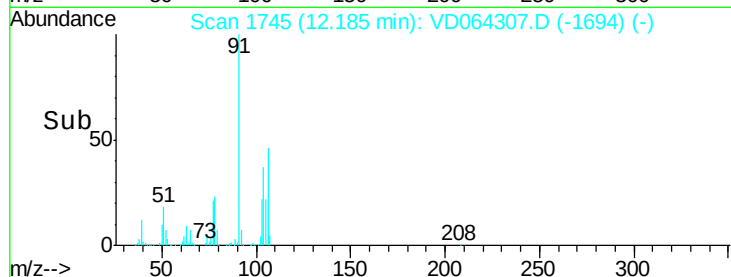
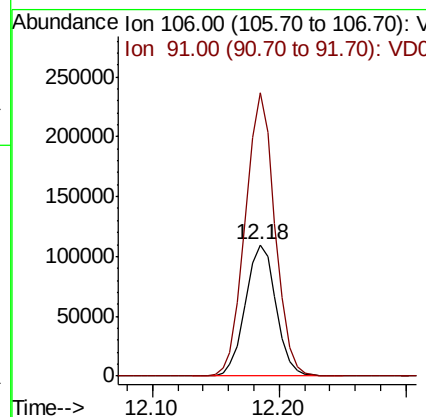
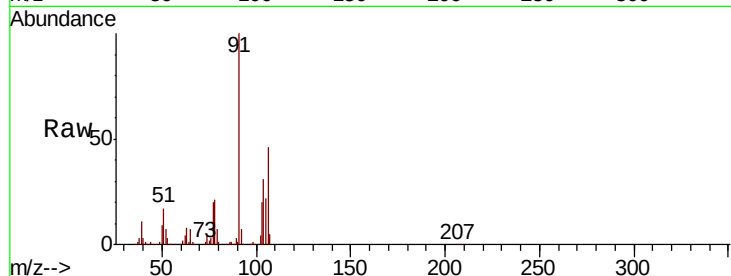
#69
o-Xylene
Concen: 19.124 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD064307.D
Acq: 20 Nov 2019 12:13

Instrument :
MSVOA_D
ClientSampleId :
VD1120SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	209.5	105.1	315.3

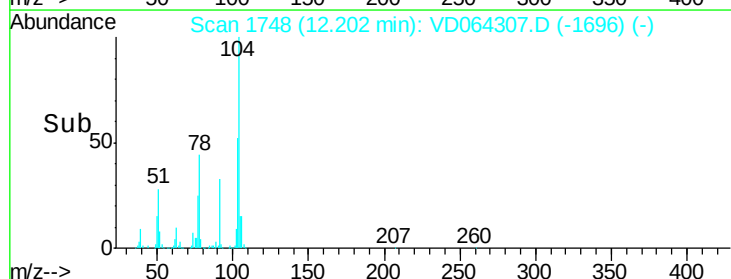
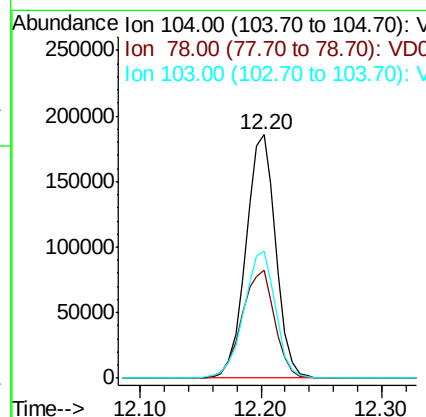
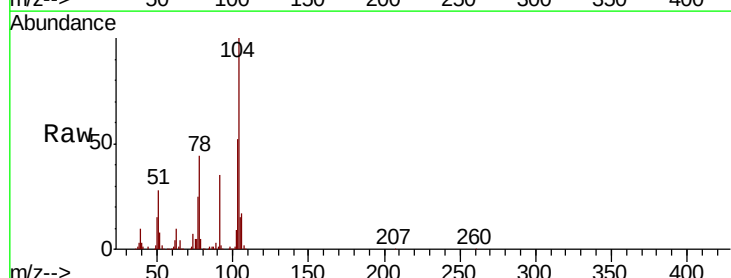
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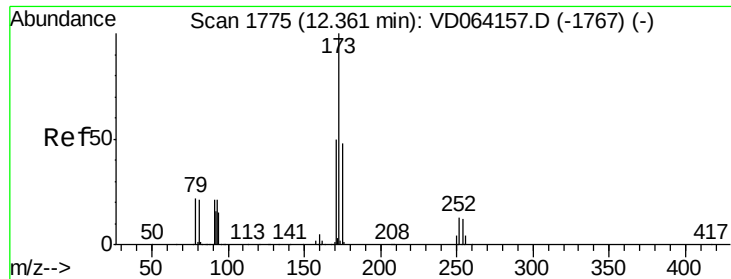
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#70
Styrene
Concen: 19.065 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD064307.D
Acq: 20 Nov 2019 12:13

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.7	39.9	59.9
103	55.6	43.4	65.0





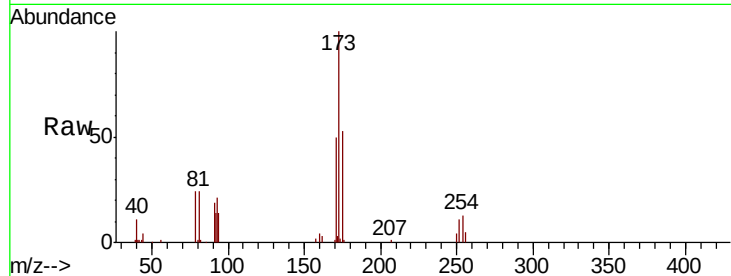
#71
Bromoform
Concen: 20.827 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.01 min
Lab File: VD064307.D
Acq: 20 Nov 2019 12:13

Instrument :
MSVOA_D
ClientSampleId :
VD1120SBS01

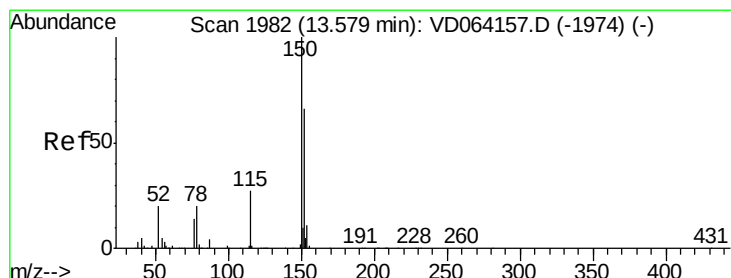
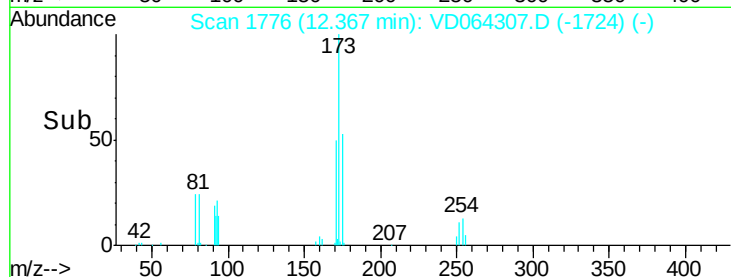
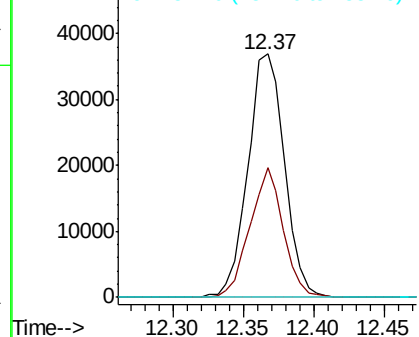
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.1	72.3
254	0.0	0.2	0.2

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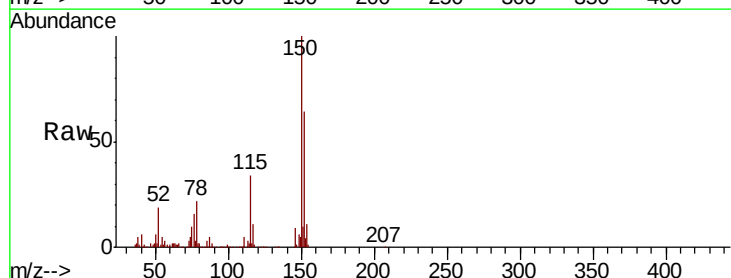


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

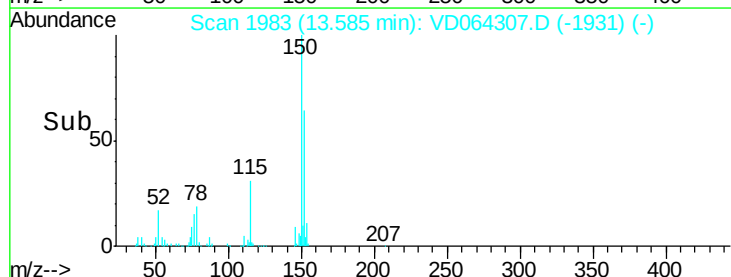
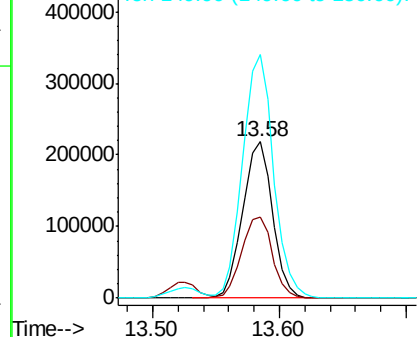


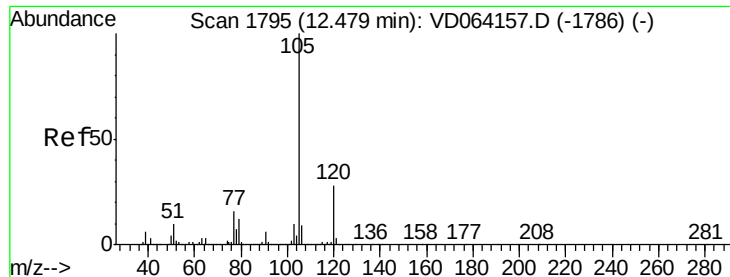
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD064307.D
Acq: 20 Nov 2019 12:13

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.7	27.4	82.2
150	162.8	0.0	351.6



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





#73

Isopropylbenzene

Concen: 19.850 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD064307.D

Acq: 20 Nov 2019 12:13

Instrument :

MSVOA_D

ClientSampleId :

VD1120SBS01

Tot Ion:105 Resp: 518083

Ion Ratio Lower Upper

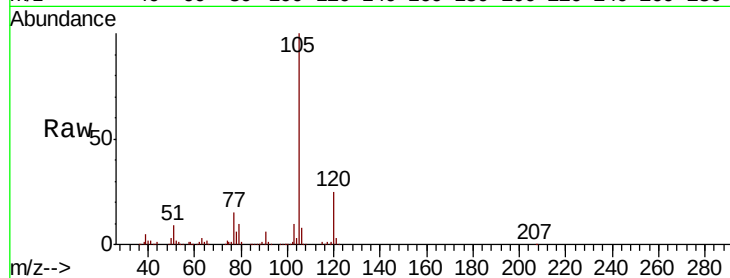
105 100

120 26.7 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

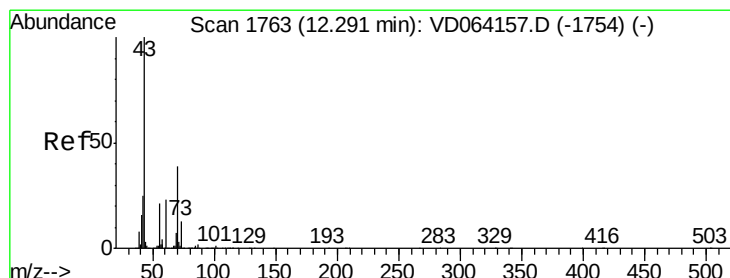
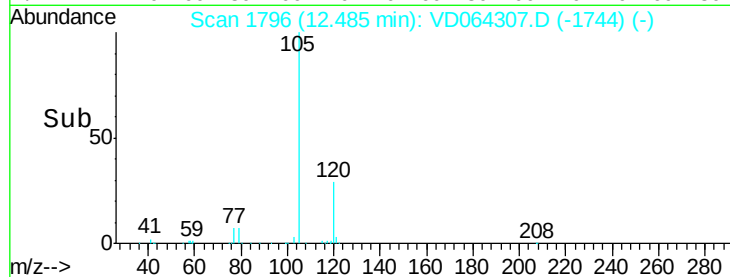
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 18.348 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064307.D

Acq: 20 Nov 2019 12:13

Tgt Ion: 43 Resp: 113087

Ion Ratio Lower Upper

43 100

70 40.5 32.4 48.6

55 23.9 17.9 26.9

61 24.4 19.0 28.4

Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

100000

80000

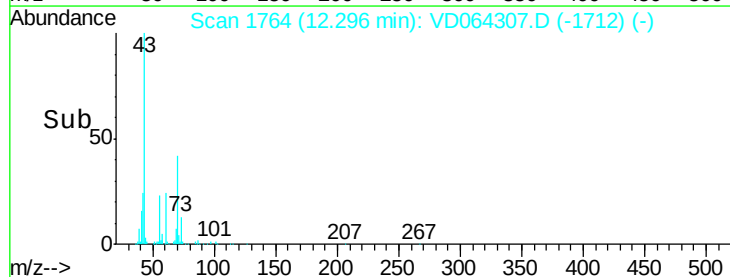
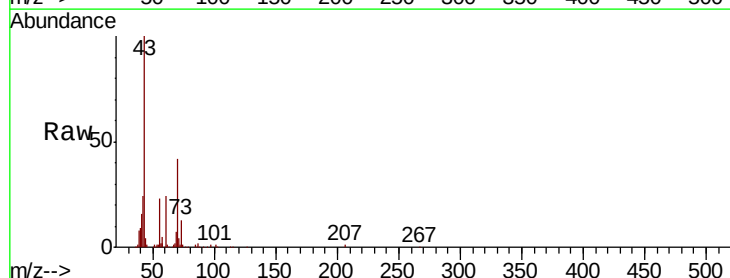
60000

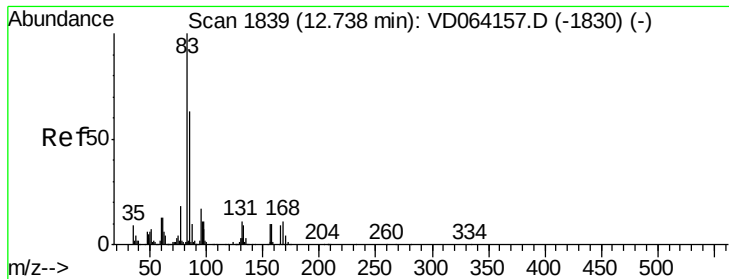
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.077 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD064307.D

Acq: 20 Nov 2019 12:13

Instrument :

MSVOA_D

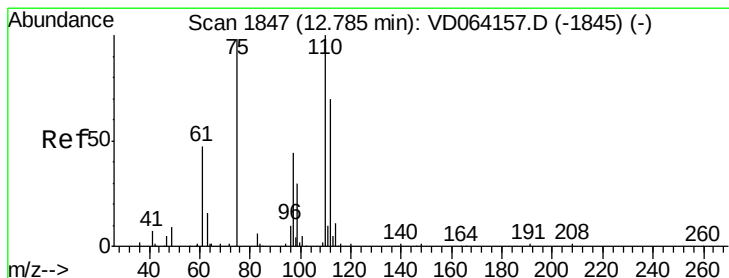
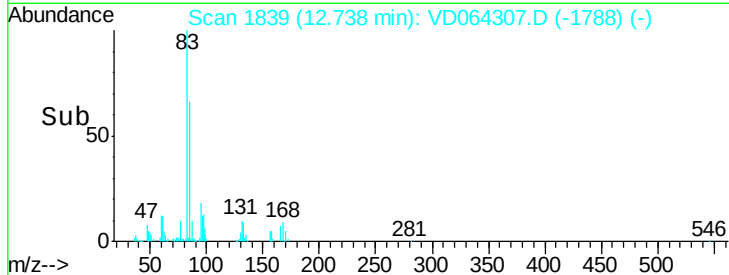
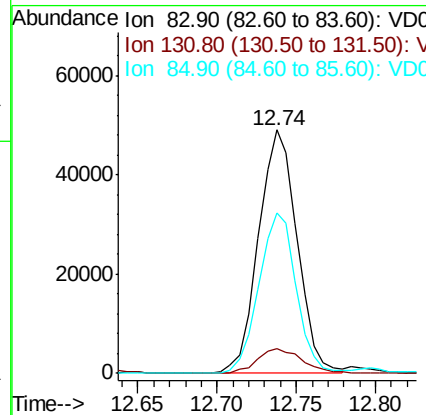
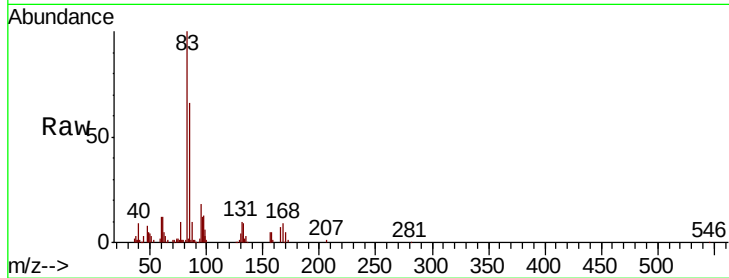
ClientSampleId :

VD1120SBS01

Tot Ion:	83	Resp:	82890
Ion	Ratio	Lower	Upper
83	100		
131	11.8	5.9	17.7
85	64.1	32.5	97.5

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#76

1,2,3-Trichloropropane

Concen: 22.683 ug/l m

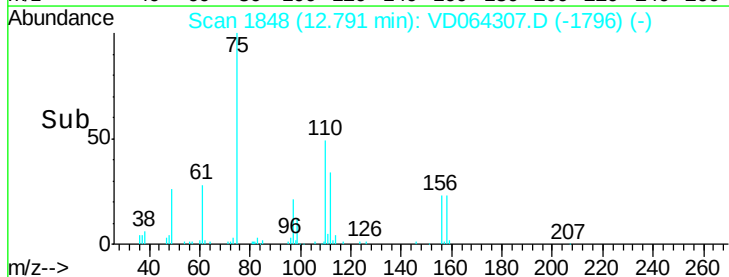
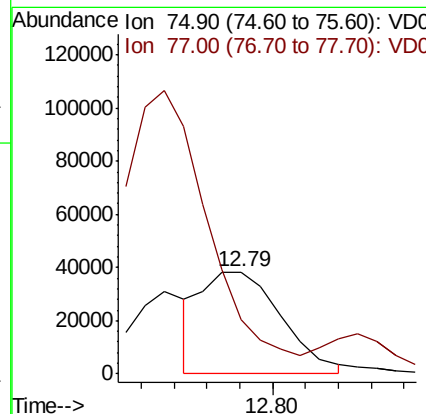
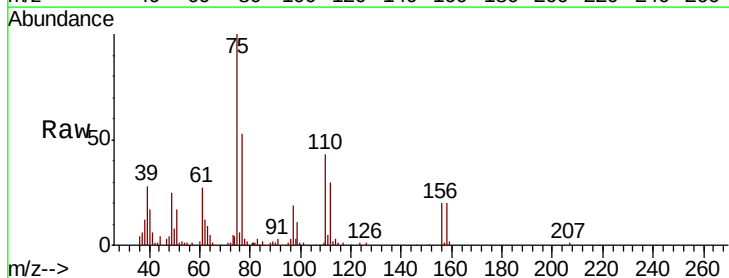
RT: 12.79 min Scan# 1848

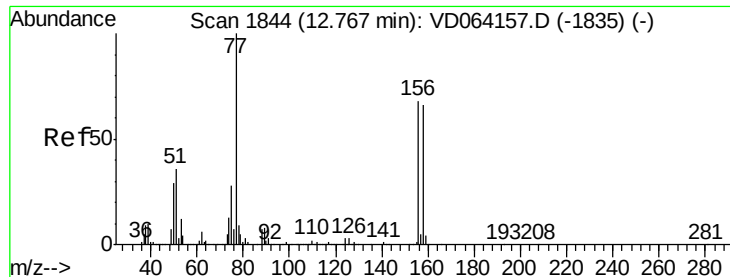
Delta R.T. 0.01 min

Lab File: VD064307.D

Acq: 20 Nov 2019 12:13

Tgt Ion:	75	Resp:	64966
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.935 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD064307.D

Acq: 20 Nov 2019 12:13

Instrument :

MSVOA_D

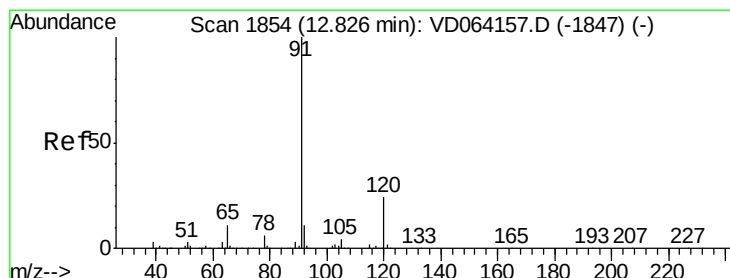
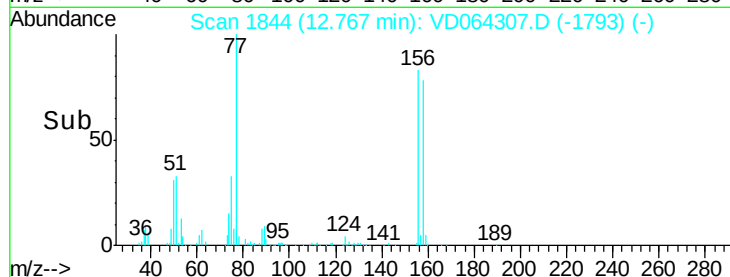
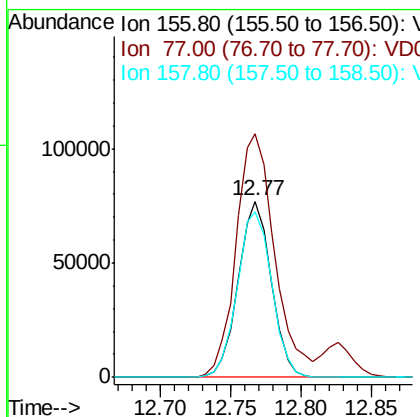
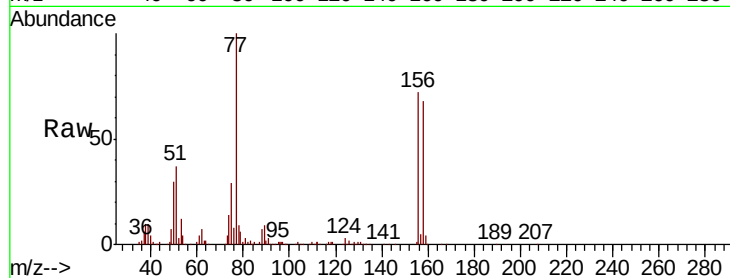
ClientSampleId :

VD1120SBS01

Tot Ion:	156	Resp:	126402
Ion Ratio	Lower	Upper	
156	100		
77	161.1	81.2	243.4
158	97.9	48.4	145.2

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#78

n-propylbenzene

Concen: 19.664 ug/l

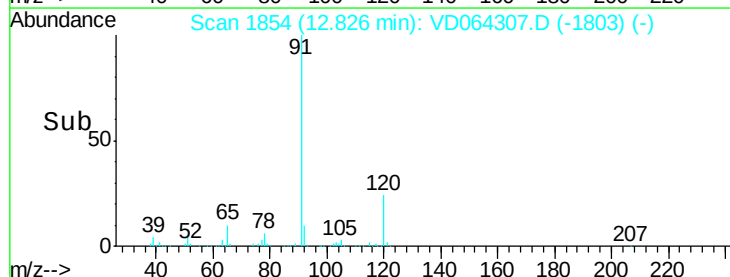
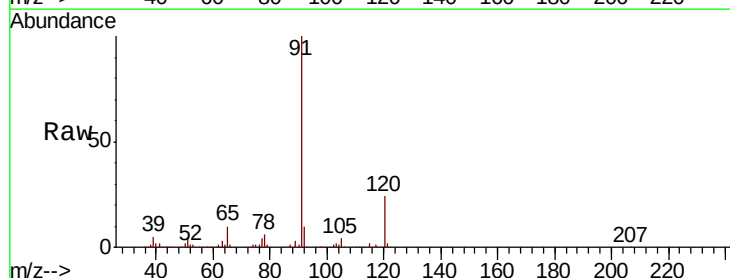
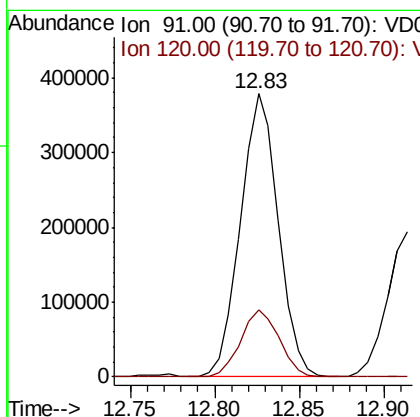
RT: 12.83 min Scan# 1854

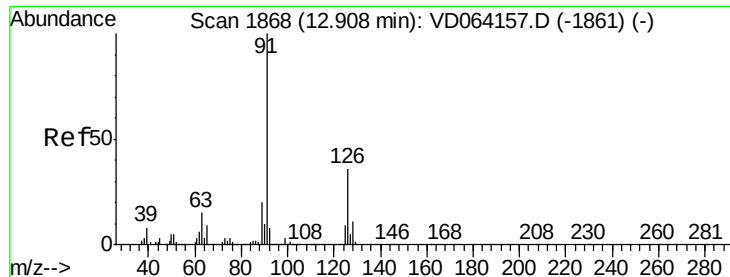
Delta R.T. -0.00 min

Lab File: VD064307.D

Acq: 20 Nov 2019 12:13

Tgt Ion:	91	Resp:	586354
Ion Ratio	Lower	Upper	
91	100		
120	24.3	11.8	35.4





#79

2-Chlorotoluene

Concen: 18.966 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.01 min

Lab File: VD064307.D

Acq: 20 Nov 2019 12:13

Instrument :

MSVOA_D

ClientSampleId :

VD1120SBS01

Tot Ion: 91 Resp: 319293

Ion Ratio Lower Upper

91 100

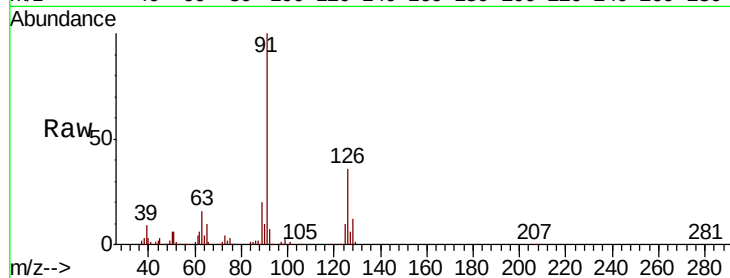
126 36.4 17.7 53.1

Manual Integrations

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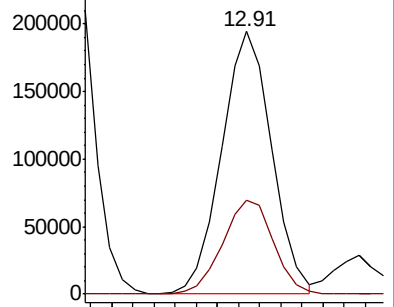
MMDadoda

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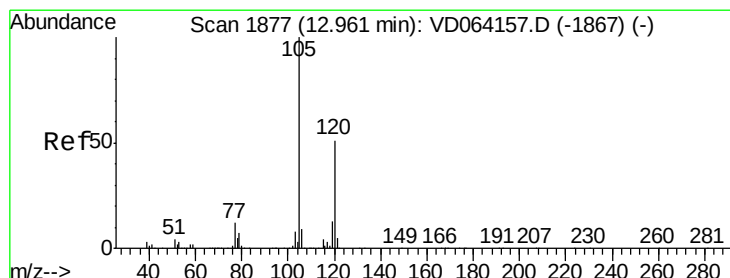
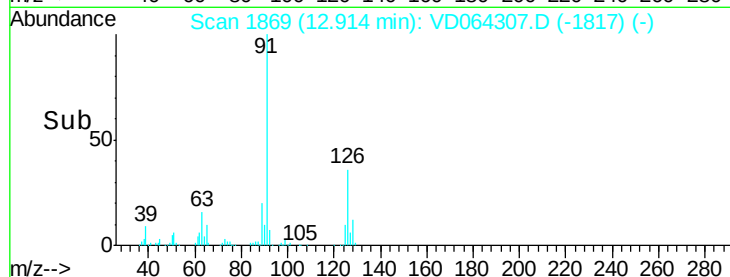


Abundance Ion 91.00 (90.70 to 91.70): VD064307.D (-1861) (-)

Ion 125.90 (125.60 to 126.60): VD064307.D (-1861) (-)



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.417 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.01 min

Lab File: VD064307.D

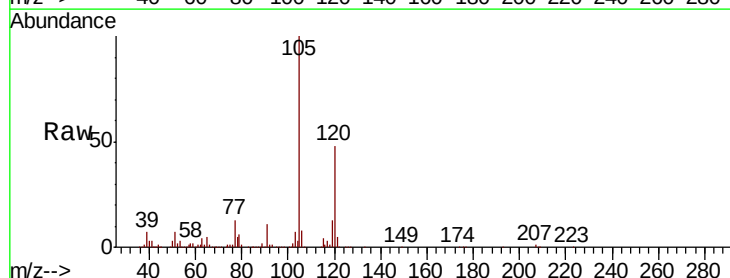
Acq: 20 Nov 2019 12:13

Tgt Ion: 105 Resp: 416429

Ion Ratio Lower Upper

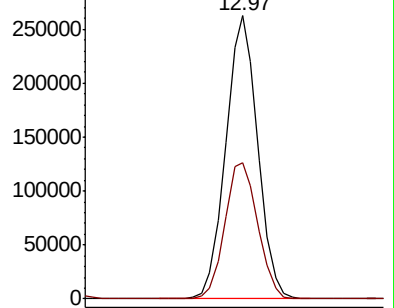
105 100

120 49.5 25.4 76.4

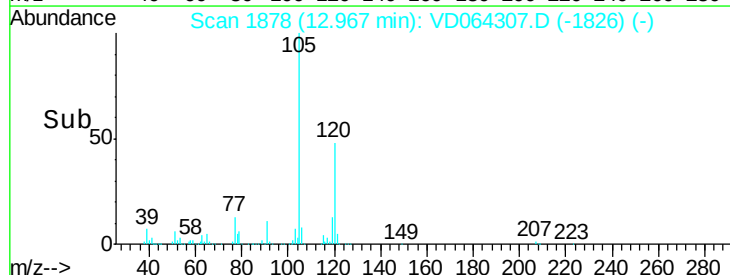


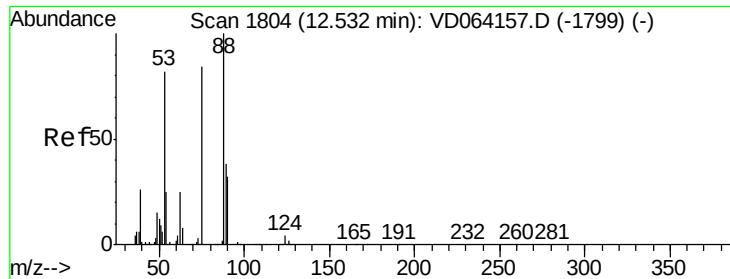
Abundance Ion 105.00 (104.70 to 105.70): VD064307.D (-1826) (-)

Ion 120.00 (119.70 to 120.70): VD064307.D (-1826) (-)



Time-->





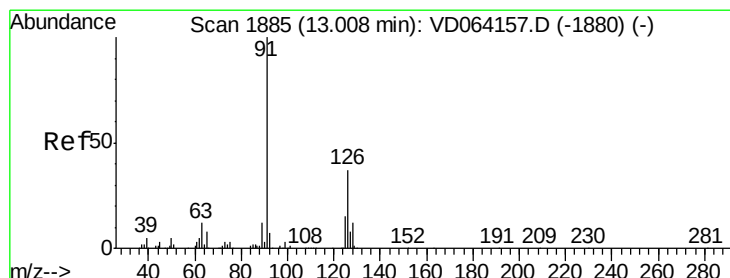
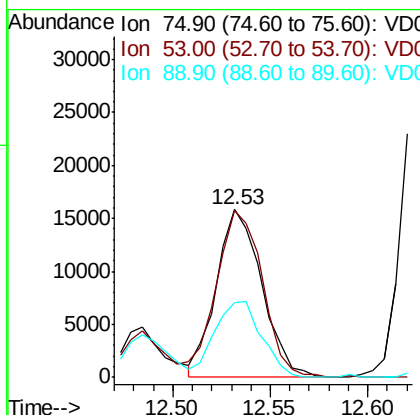
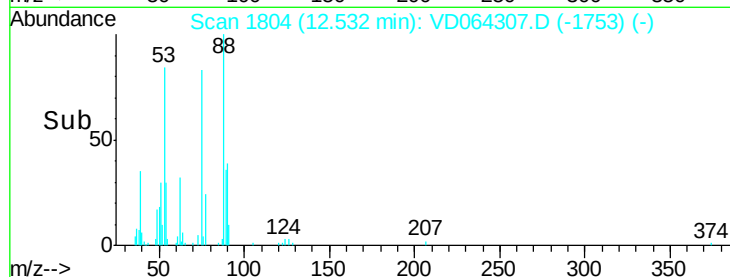
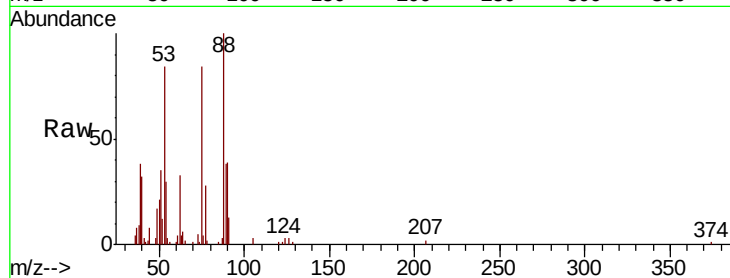
#81
trans-1,4-Dichloro-2-butene
Concen: 17.751 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VD064307.D
Acq: 20 Nov 2019 12:13

Instrument :
MSVOA_D
ClientSampleId :
VD1120SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	101.9	79.4	119.0
89	46.9	36.6	55.0

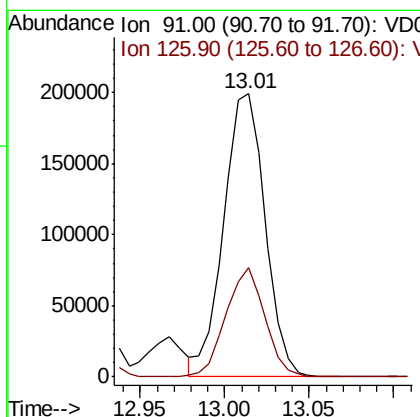
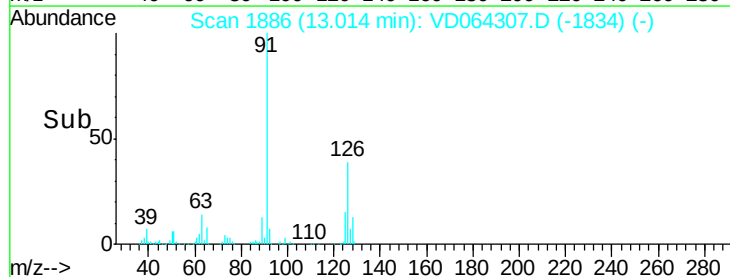
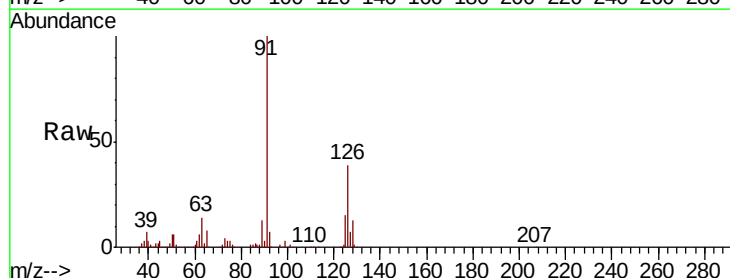
Manual Integrations
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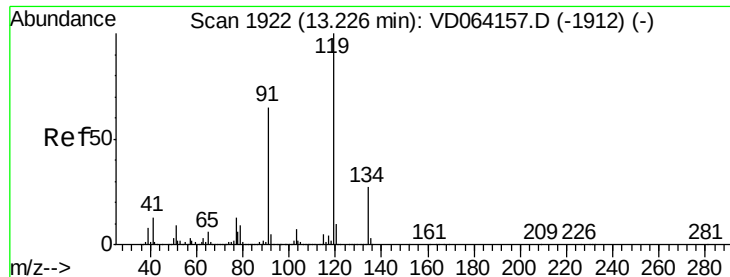
MMDadoda
11/22/2019 12:52:14 AM



#82
4-Chlorotoluene
Concen: 19.340 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.01 min
Lab File: VD064307.D
Acq: 20 Nov 2019 12:13

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.2	17.8	53.4





#83

tert-Butylbenzene

Concen: 19.027 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. 0.01 min

Lab File: VD064307.D

Acq: 20 Nov 2019 12:13

Instrument :

MSVOA_D

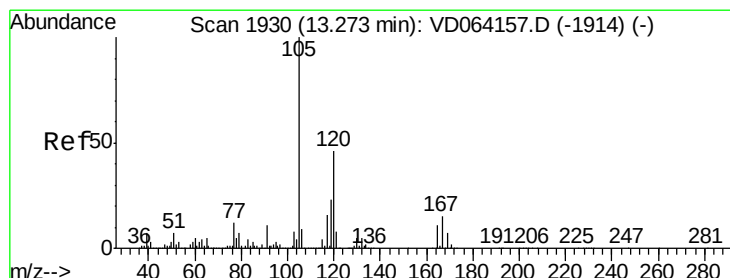
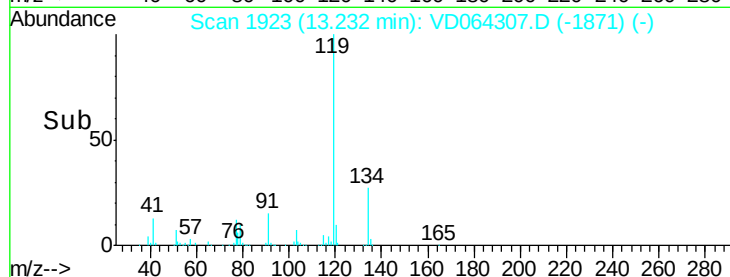
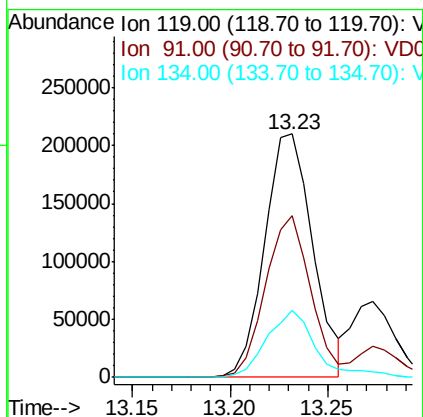
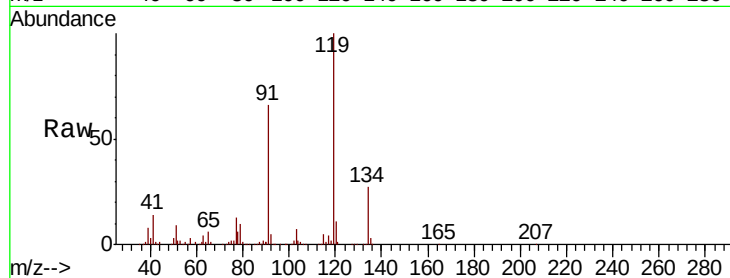
ClientSampleId :

VD1120SBS01

Tot Ion:	119	Resp:	359808
Ion Ratio	Lower	Upper	
119	100		
91	61.9	31.8	95.4
134	27.9	13.7	41.0

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#84

1,2,4-Trimethylbenzene

Concen: 19.351 ug/l

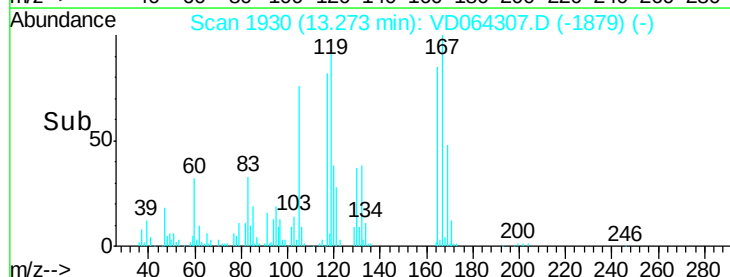
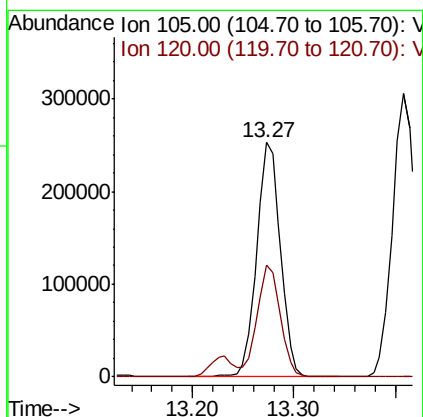
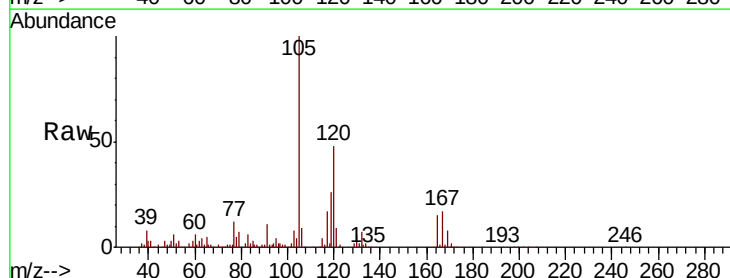
RT: 13.27 min Scan# 1930

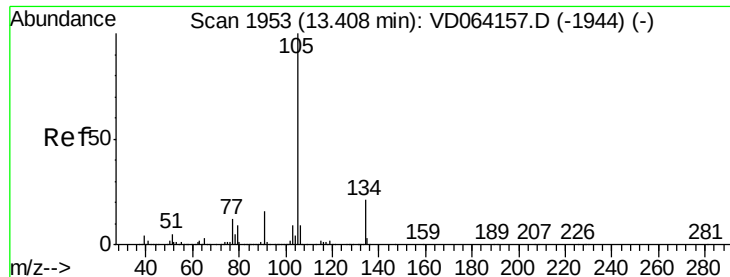
Delta R.T. -0.00 min

Lab File: VD064307.D

Acq: 20 Nov 2019 12:13

Tgt Ion:	105	Resp:	409722
Ion Ratio	Lower	Upper	
105	100		
120	47.2	23.3	69.8





#85

sec-Butylbenzene

Concen: 19.090 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD064307.D

Acq: 20 Nov 2019 12:13

Instrument :

MSVOA_D

ClientSampleId :

VD1120SBS01

Tot Ion:105 Resp: 484870

Ion Ratio Lower Upper

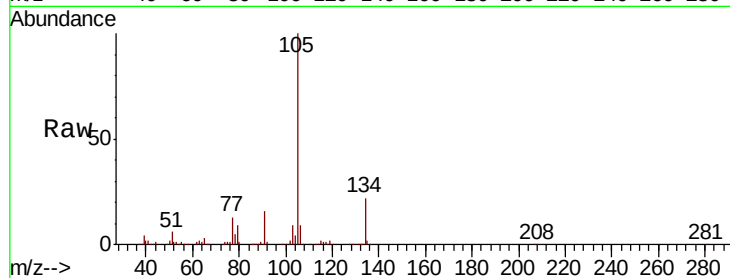
105 100

134 22.0 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

300000

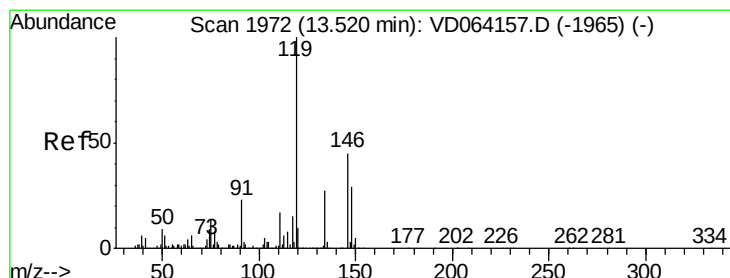
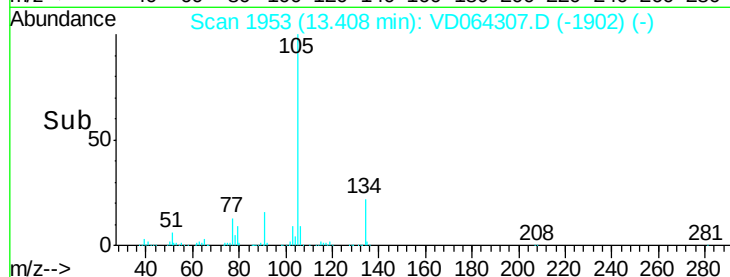
200000

100000

0

13.40 13.41 13.50

Time-->



#86

p-Isopropyltoluene

Concen: 18.929 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.01 min

Lab File: VD064307.D

Acq: 20 Nov 2019 12:13

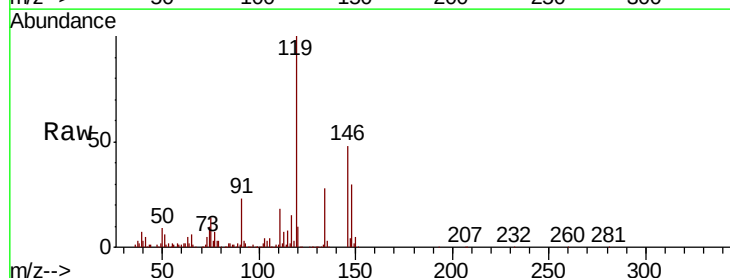
Tgt Ion:119 Resp: 457061

Ion Ratio Lower Upper

119 100

134 27.2 13.5 40.5

91 22.4 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

400000

300000

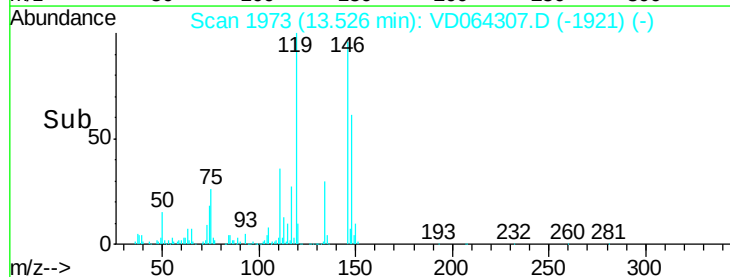
200000

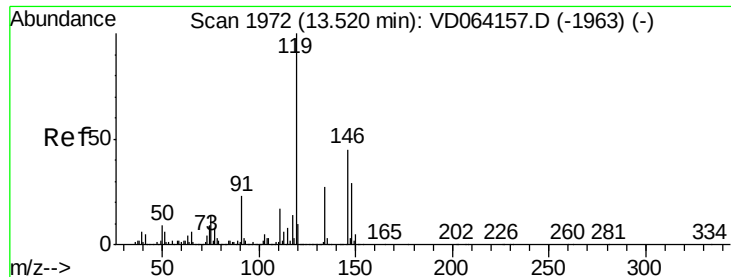
100000

0

13.45 13.50 13.53 13.55 13.60

Time-->





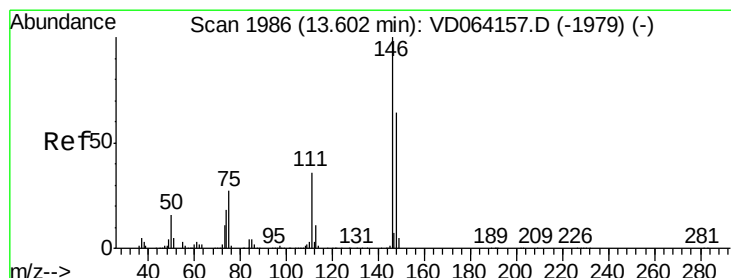
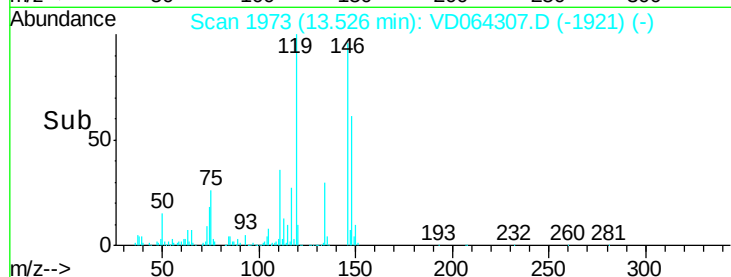
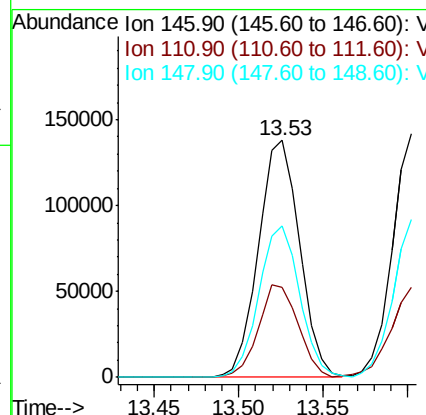
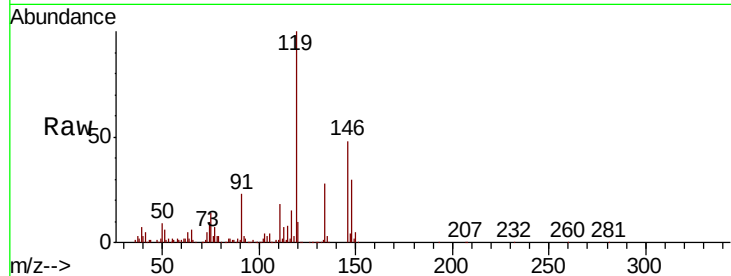
#87
 1,3-Dichlorobenzene
 Concen: 19.866 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.01 min
 Lab File: VD064307.D
 Acq: 20 Nov 2019 12:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1120SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.9	56.9
148	63.5	32.1	96.5

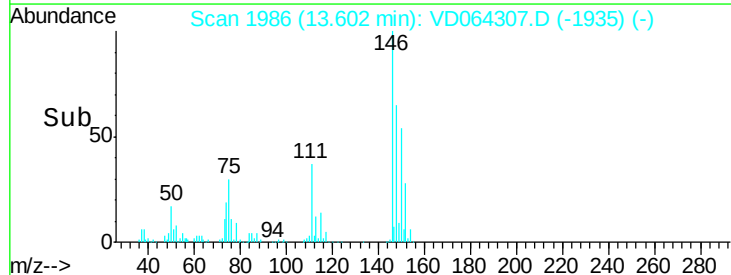
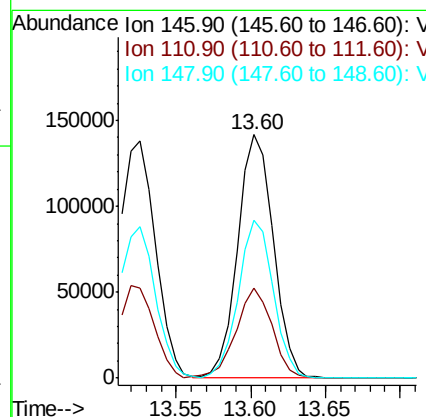
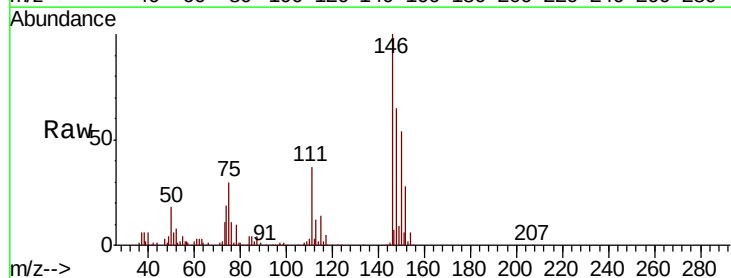
Manual Integrations
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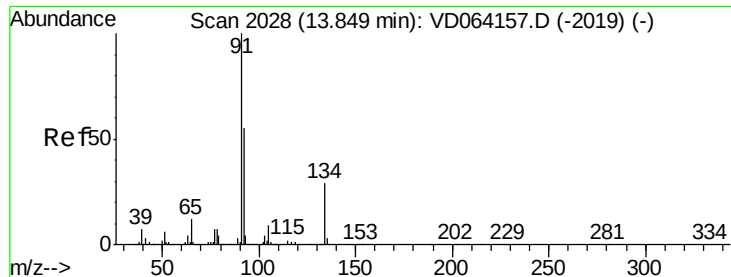
MMDadoda
 11/22/2019 12:52:14 AM



#88
 1,4-Dichlorobenzene
 Concen: 20.530 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD064307.D
 Acq: 20 Nov 2019 12:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.1	54.4
148	63.5	31.9	95.7





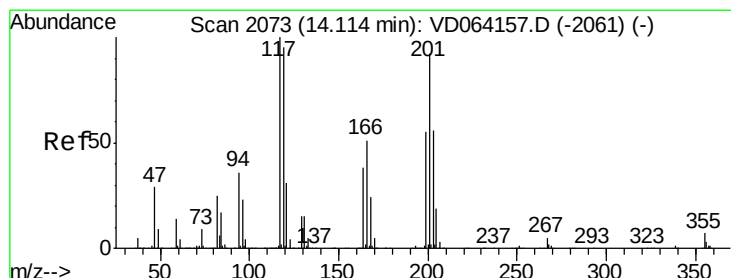
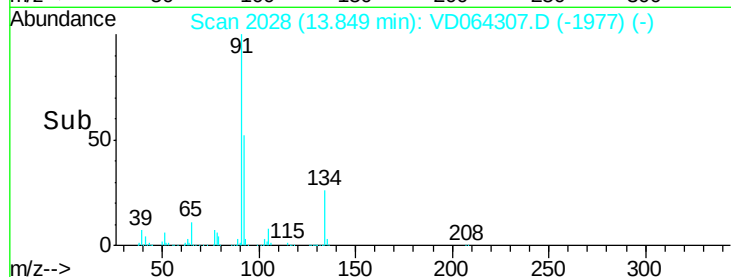
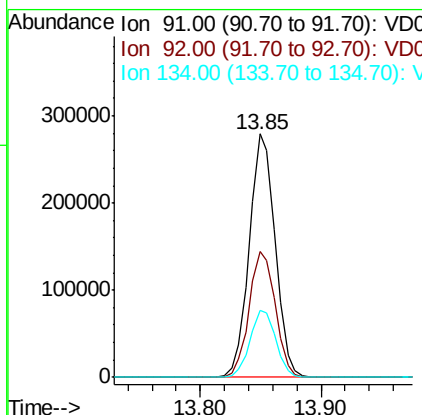
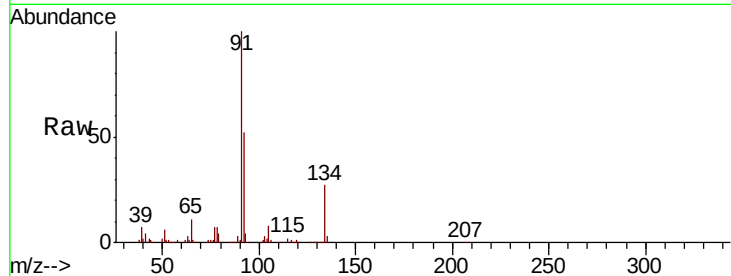
#89
n-Butylbenzene
Concen: 19.190 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD064307.D
Acq: 20 Nov 2019 12:13

Instrument :
MSVOA_D
ClientSampleId :
VD1120SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	27.3	81.8
134	27.6	14.1	42.4

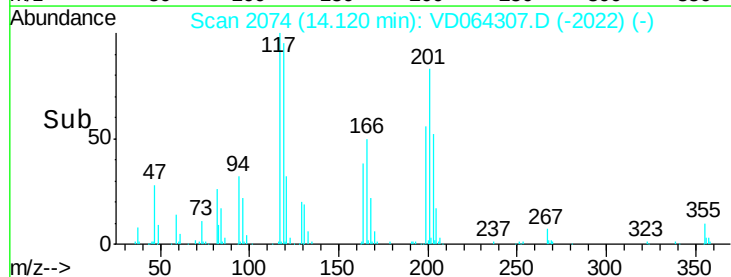
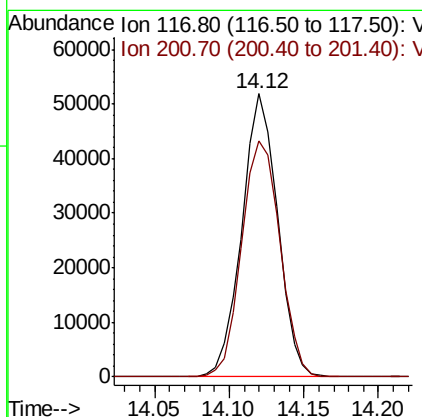
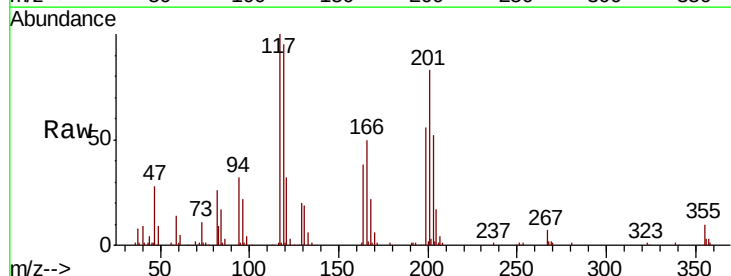
Manual Integrations
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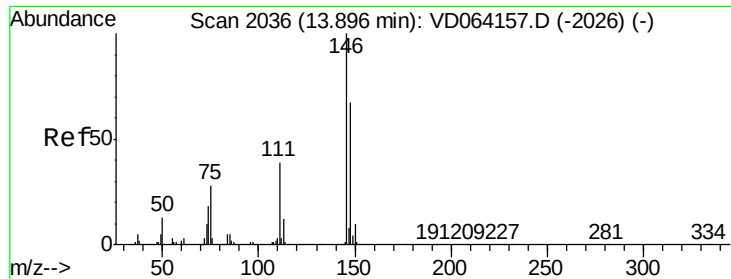
MMDadoda
11/22/2019 12:52:14 AM



#90
Hexachloroethane
Concen: 19.213 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD064307.D
Acq: 20 Nov 2019 12:13

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.6	45.8	137.4





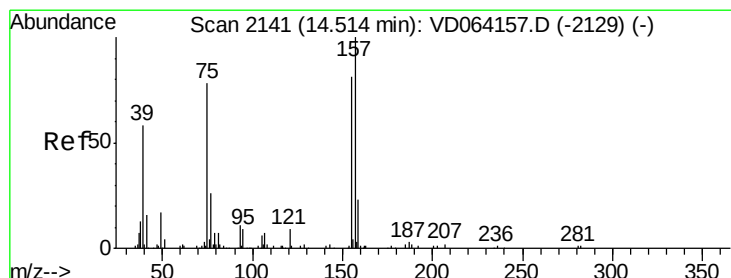
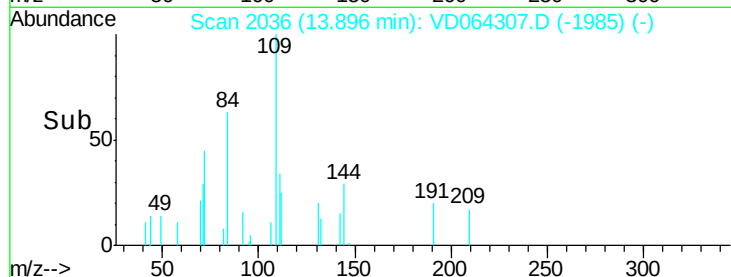
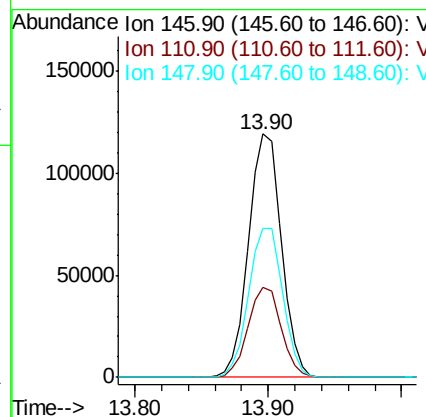
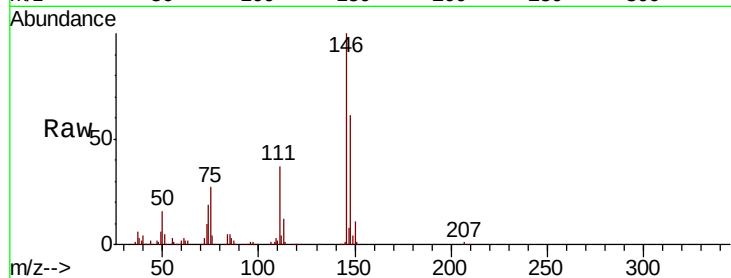
#91
 1,2-Dichlorobenzene
 Concen: 20.319 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD064307.D
 Acq: 20 Nov 2019 12:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1120SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	19.7	59.0
148	63.5	32.3	96.8

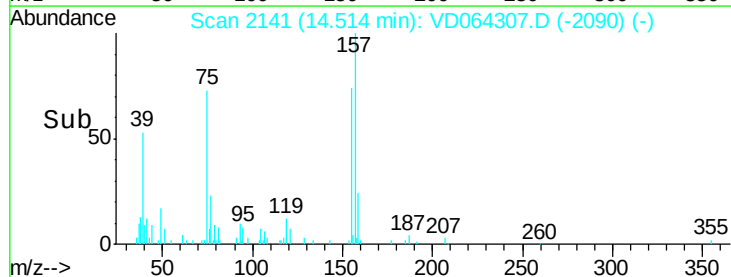
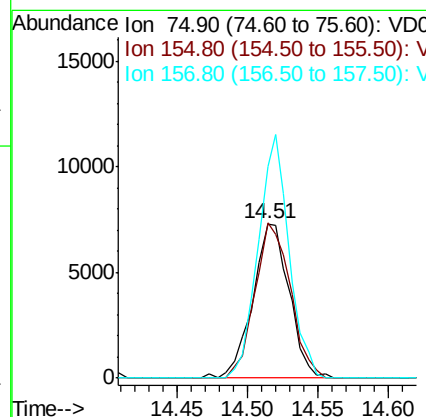
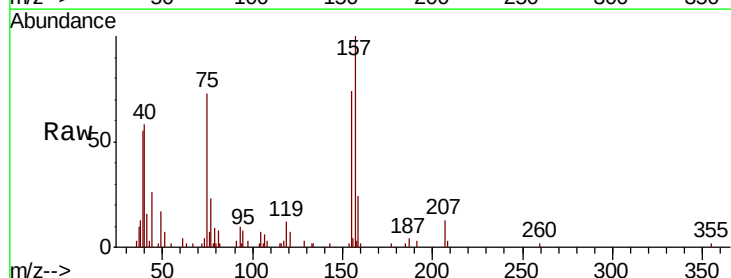
Manual Integrations
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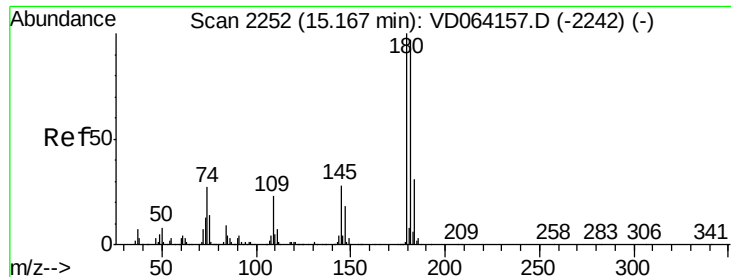
MMDadoda
 11/22/2019 12:52:14 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.881 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VD064307.D
 Acq: 20 Nov 2019 12:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.9	48.0	144.0
157	133.7	61.5	184.4





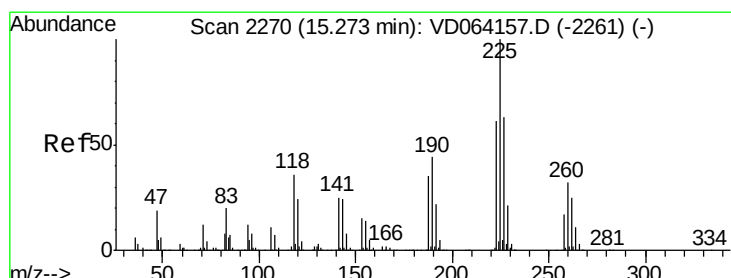
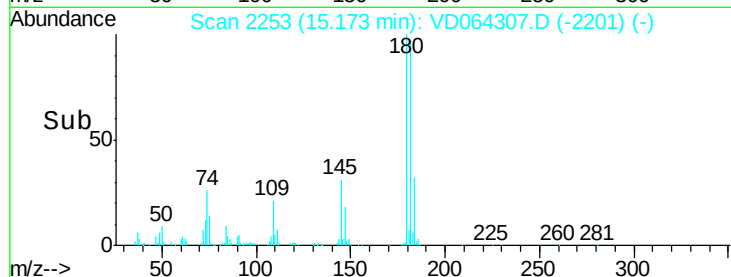
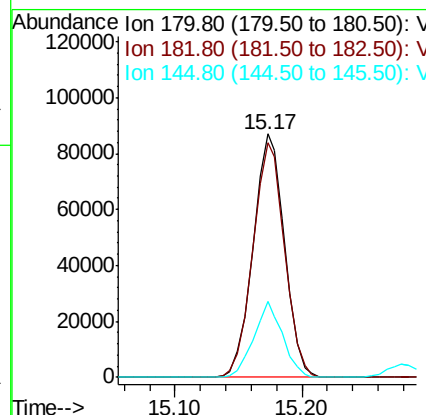
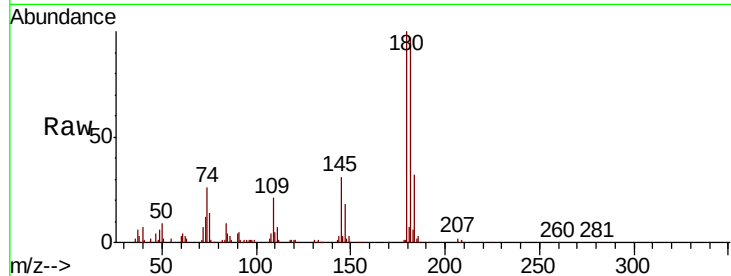
#93
 1,2,4-Trichlorobenzene
 Concen: 19.484 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD064307.D
 Acq: 20 Nov 2019 12:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1120SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	149741		
182	97.1	47.5	142.5	
145	28.8	14.2	42.6	

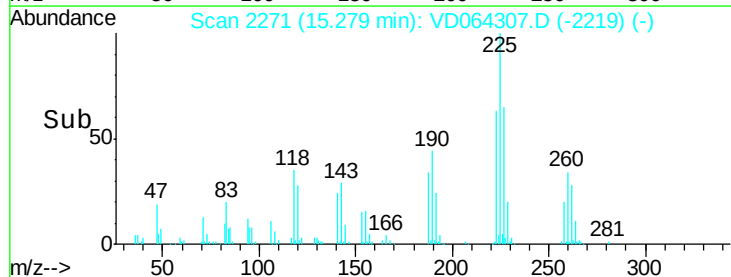
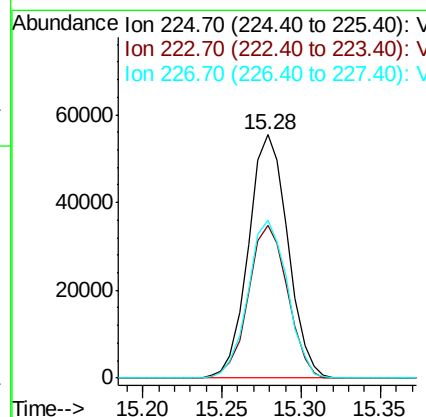
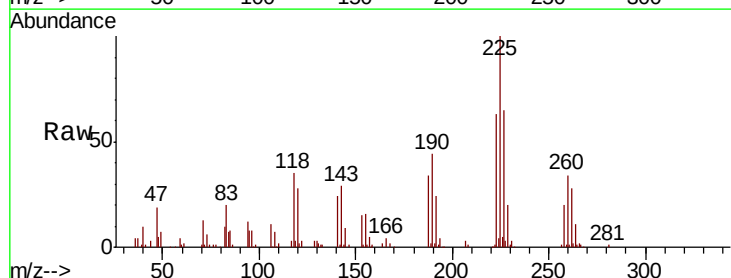
Manual Integrations
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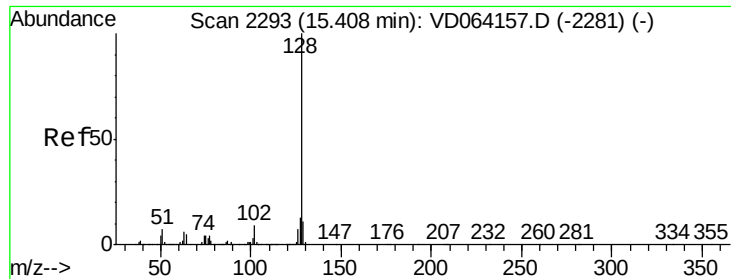
MMDadoda
 11/22/2019 12:52:14 AM



#94
 Hexachlorobutadiene
 Concen: 19.343 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD064307.D
 Acq: 20 Nov 2019 12:13

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	96016		
223	62.6	31.1	93.3	
227	64.9	31.5	94.5	





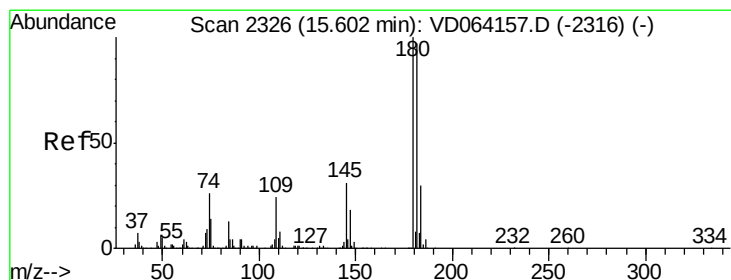
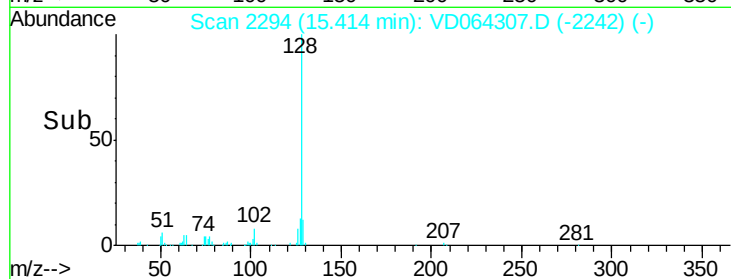
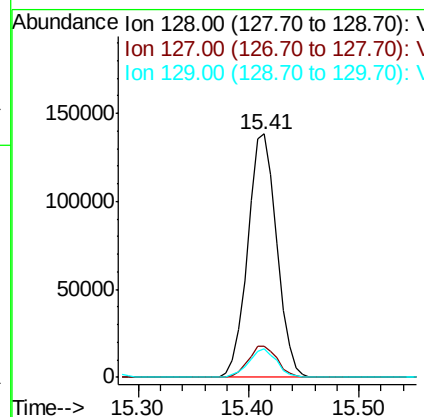
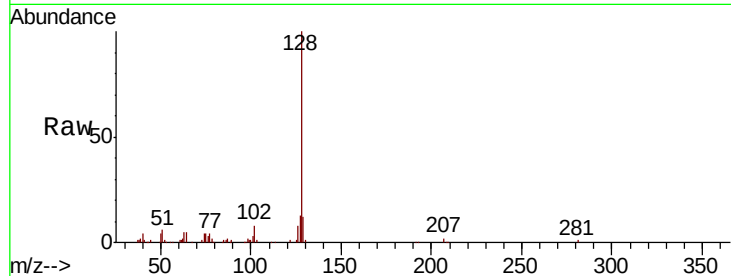
#95
Naphthalene
Concen: 20.278 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.01 min
Lab File: VD064307.D
Acq: 20 Nov 2019 12:13

Instrument :
MSVOA_D
ClientSampleId :
VD1120SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	255462		
127	12.8	10.5	15.7	
129	11.2	8.6	13.0	

Manual Integrations
APPROVED

MMDadoda
11/22/2019 12:52:14 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.763 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VD064307.D
Acq: 20 Nov 2019 12:13

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	129102		
182	95.5	48.3	144.9	
145	29.8	15.3	45.8	

