

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111219\
 Data File : VD064197.D
 Acq On : 12 Nov 2019 15:33
 Operator : VA/SY
 Sample : VD1112SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1112SBS01

Manual Integrations
 APPROVED

MMDadoda
 11/13/2019 9:38:56 AM

Quant Time: Nov 13 04:25:42 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	556781	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	805570	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	698557	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	337893	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	215848	47.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.28%	
35) Dibromofluoromethane	7.92	113	215052	46.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.02%	
50) Toluene-d8	10.34	98	816720	46.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.64%	
62) 4-Bromofluorobenzene	12.64	95	267294	44.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	90040	19.499	ug/l	97
3) Chloromethane	2.21	50	116363	23.493	ug/l	96
4) Vinyl Chloride	2.35	62	123986	23.408	ug/l	99
5) Bromomethane	2.77	94	87969	26.301	ug/l	95
6) Chloroethane	2.92	64	85207	25.175	ug/l	94
7) Trichlorofluoromethane	3.27	101	200900	23.394	ug/l	99
8) Diethyl Ether	3.71	74	49374	20.910	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	97907	19.947	ug/l	98
10) Methyl Iodide	4.29	142	95859	18.445	ug/l	98
11) Tert butyl alcohol	5.26	59	32233	100.780	ug/l	96
12) 1,1-Dichloroethene	4.06	96	98419	21.036	ug/l	96
13) Acrolein	3.92	56	25252	93.328	ug/l	96
14) Allyl chloride	4.71	41	172351	20.835	ug/l	97
15) Acrylonitrile	5.44	53	100644	99.981	ug/l	96
16) Acetone	4.17	43	98929	91.194	ug/l	93
17) Carbon Disulfide	4.40	76	301351	20.683	ug/l	100
18) Methyl Acetate	4.73	43	62930	20.770	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	236481	21.173	ug/l	96
20) Methylene Chloride	4.96	84	124599	22.738	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	113039	21.326	ug/l	98
22) Diisopropyl ether	6.37	45	319577	20.822	ug/l	99
23) Vinyl Acetate	6.31	43	904489	105.721	ug/l	99
24) 1,1-Dichloroethane	6.27	63	192738	21.628	ug/l	98
25) 2-Butanone	7.23	43	140747	100.425	ug/l	97
26) 2,2-Dichloropropane	7.21	77	175380	20.068	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	124827	21.960	ug/l	96
28) Bromochloromethane	7.56	49	49189	15.854	ug/l	96
29) Tetrahydrofuran	7.57	42	87837	104.312	ug/l	98
30) Chloroform	7.71	83	206872	22.694	ug/l	98
31) Cyclohexane	7.98	56	173444	19.298	ug/l	94
32) 1,1,1-Trichloroethane	7.90	97	182890	20.953	ug/l	100
36) 1,1-Dichloropropene	8.11	75	151159	20.331	ug/l	99
37) Ethyl Acetate	7.30	43	62995	20.099	ug/l	98
38) Carbon Tetrachloride	8.10	117	162916	20.479	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	183819	19.539	ug/l	95
40) Benzene	8.36	78	428169	21.072	ug/l	96
41) Methacrylonitrile	7.53	41	41866	21.252	ug/l	93
42) 1,2-Dichloroethane	8.43	62	128345	21.031	ug/l	98
43) Isopropyl Acetate	8.46	43	130122	20.149	ug/l	99
44) Trichloroethene	9.11	130	127798	20.956	ug/l	88
45) 1,2-Dichloropropane	9.39	63	105631	21.358	ug/l	97
46) Dibromomethane	9.48	93	55310	20.890	ug/l	98
47) Bromodichloromethane	9.67	83	152062	21.322	ug/l	99
48) Methyl methacrylate	9.46	41	60594	19.189	ug/l	96
49) 1,4-Dioxane	9.48	88	12701	399.420	ug/l #	92
51) 4-Methyl-2-Pentanone	10.23	43	310522	100.270	ug/l	99
52) Toluene	10.41	92	278465	20.841	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	146140	20.454	ug/l	94
54) cis-1,3-Dichloropropene	10.09	75	172488	20.688	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	76854	21.397	ug/l	99
56) Ethyl methacrylate	10.67	69	103059	20.512	ug/l	97
57) 1,3-Dichloropropane	10.95	76	134416	21.458	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	183685	90.251	ug/l	97
59) 2-Hexanone	10.99	43	217264	98.611	ug/l	100
60) Dibromochloromethane	11.14	129	104412	20.833	ug/l	100
61) 1,2-Dibromoethane	11.25	107	75976	21.119	ug/l	100
64) Tetrachloroethene	10.88	164	111241	20.705	ug/l	95
65) Chlorobenzene	11.67	112	297793	20.964	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	115107	21.311	ug/l	99
67) Ethyl Benzene	11.75	91	536987	20.899	ug/l	98
68) m/p-Xylenes	11.86	106	408011	41.427	ug/l	99
69) o-Xylene	12.18	106	192149	21.036	ug/l	99
70) Styrene	12.20	104	327127	20.517	ug/l	99
71) Bromoform	12.37	173	63906	20.789	ug/l #	95
73) Isopropylbenzene	12.48	105	515106	20.769	ug/l	100
74) N-amyl acetate	12.30	43	116639	19.915	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	78684	21.055	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	50530m	18.566	ug/l	
77) Bromobenzene	12.77	156	128525	21.331	ug/l	97
78) n-propylbenzene	12.83	91	584163	20.616	ug/l	99
79) 2-Chlorotoluene	12.91	91	332985	20.814	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	415585	20.393	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	28284	20.643	ug/l	95
82) 4-Chlorotoluene	13.01	91	341442	20.463	ug/l	100
83) tert-Butylbenzene	13.23	119	364992	20.311	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	412532	20.504	ug/l	99
85) sec-Butylbenzene	13.41	105	491693	20.372	ug/l	100
86) p-Isopropyltoluene	13.52	119	456957	19.915	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	228852	20.461	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	229289	21.005	ug/l	98
89) n-Butylbenzene	13.85	91	417903	20.159	ug/l	99
90) Hexachloroethane	14.12	117	86458	20.389	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	199254	21.048	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	12919	19.335	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	150588	20.621	ug/l	99
94) Hexachlorobutadiene	15.28	225	97578	20.687	ug/l	98
95) Naphthalene	15.41	128	266169	22.234	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	129456	20.854	ug/l	100

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

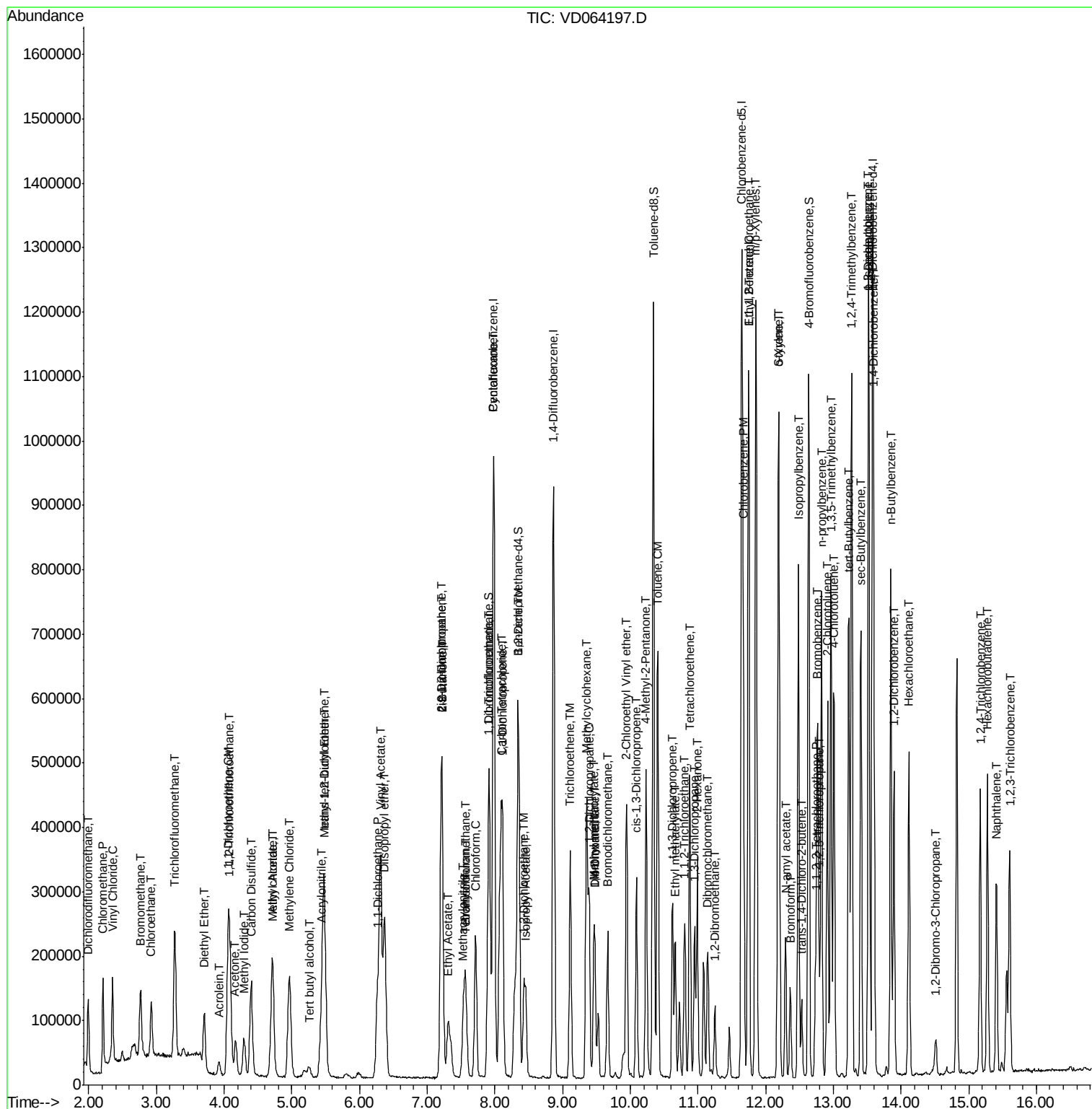
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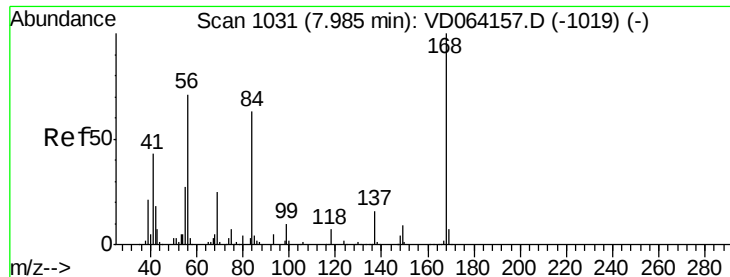
Instrument :
MSVOA_D
ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064197.D

Acq: 12 Nov 2019 15:33

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBS01

Tot Ion:168 Resp: 556781

Ion Ratio Lower Upper

168 100

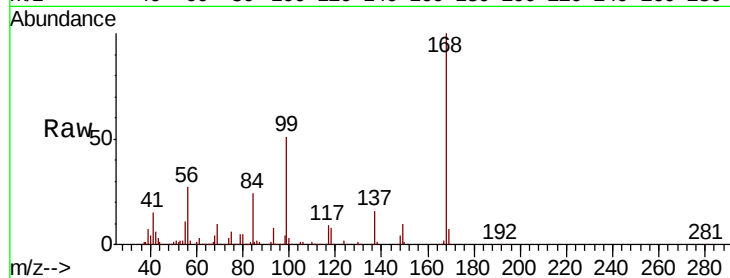
99 50.7 41.6 62.4

Manual Integrations

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11/13/2019 9:38:56 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

150000

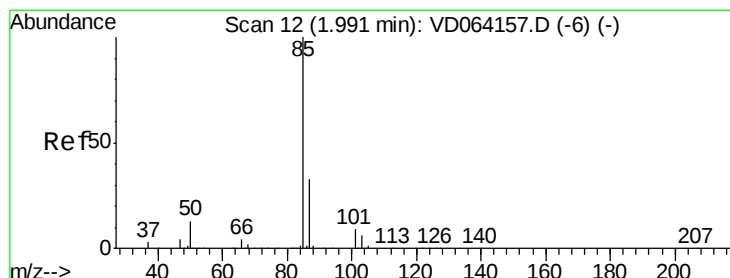
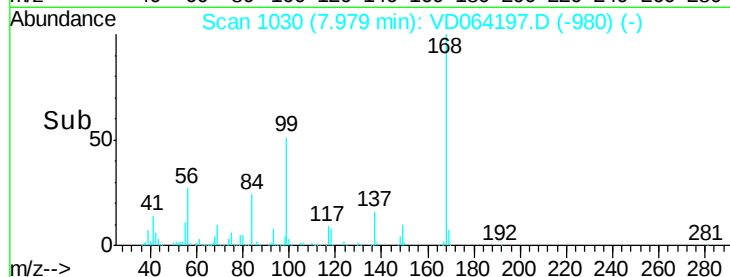
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50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 19.499 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD064197.D

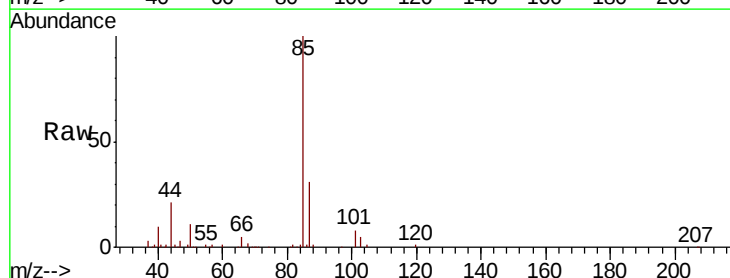
Acq: 12 Nov 2019 15:33

Tgt Ion: 85 Resp: 90040

Ion Ratio Lower Upper

85 100

87 31.1 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

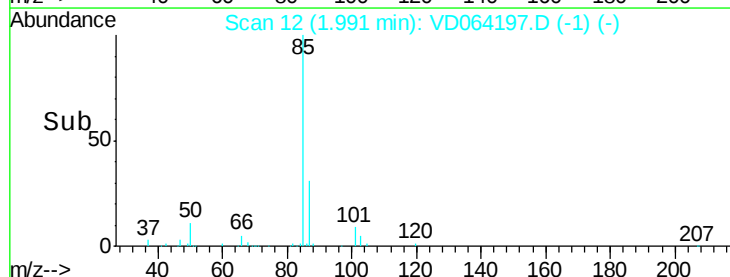
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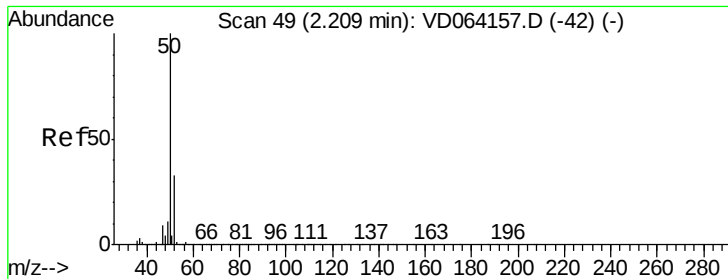
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0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 23.493 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD064197.D

Acq: 12 Nov 2019 15:33

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBS01

Tot Ion: 50 Resp: 116363

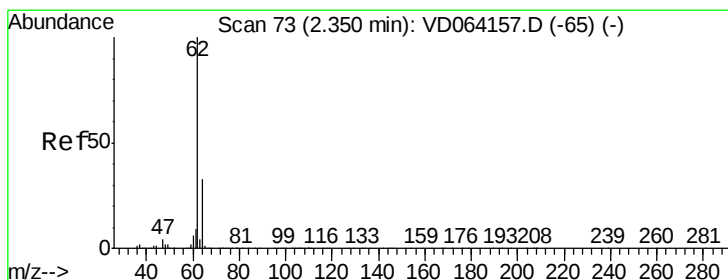
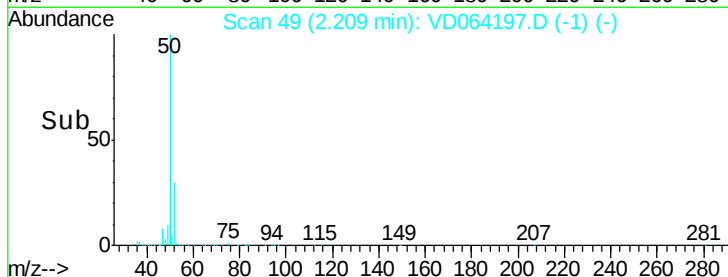
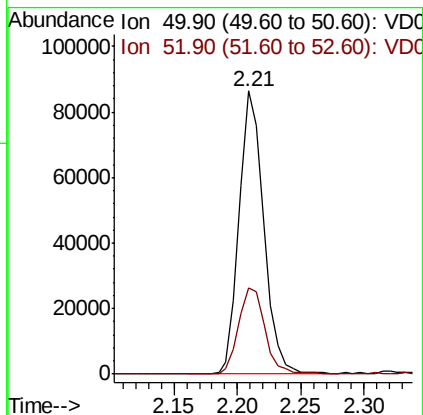
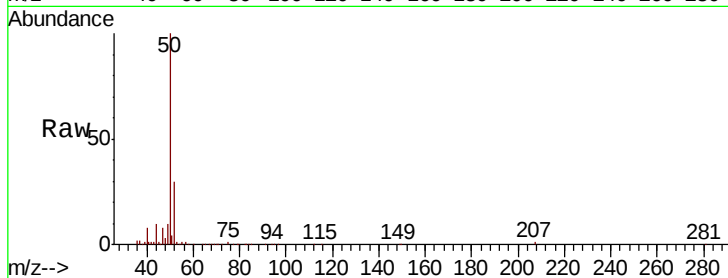
Ion Ratio Lower Upper

50 100

52 30.4 26.2 39.4

Manual Integrations
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#4

Vinyl Chloride

Concen: 23.408 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD064197.D

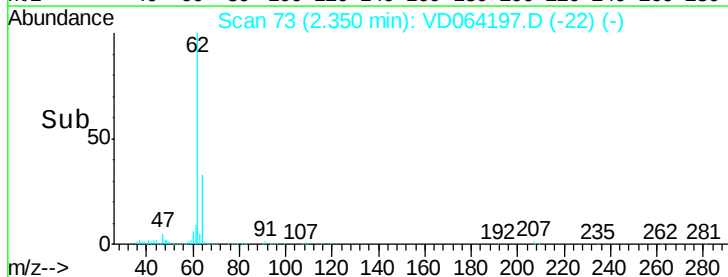
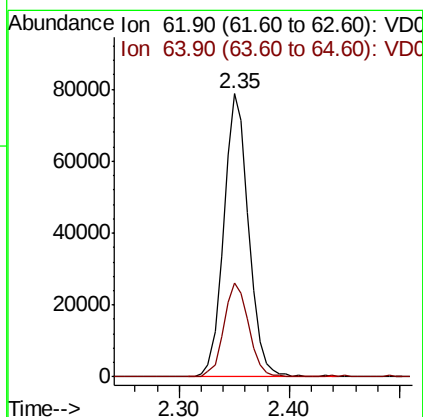
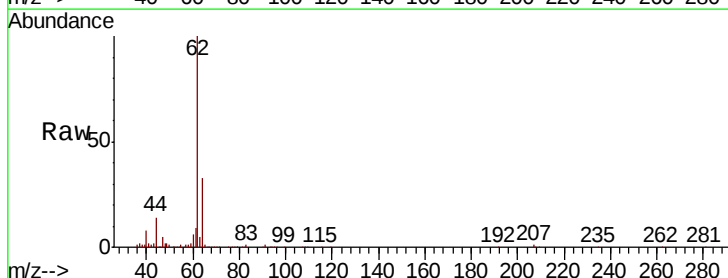
Acq: 12 Nov 2019 15:33

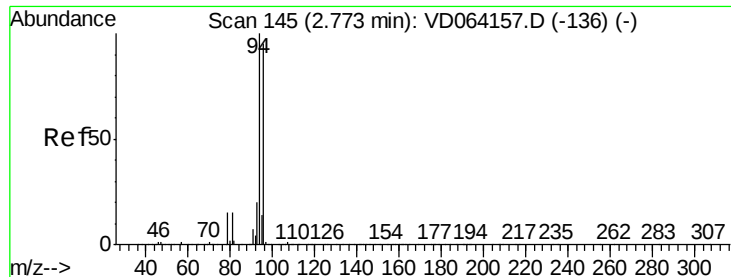
Tgt Ion: 62 Resp: 123986

Ion Ratio Lower Upper

62 100

64 33.2 26.2 39.2





#5

Bromomethane

Concen: 26.301 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD064197.D

Acq: 12 Nov 2019 15:33

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBS01

Tot Ion: 94 Resp: 87969

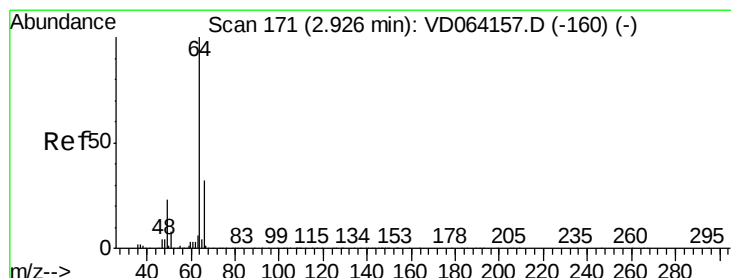
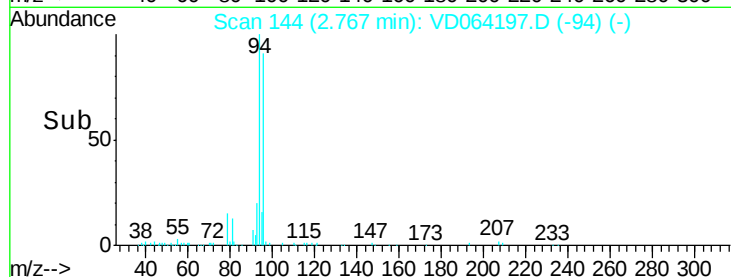
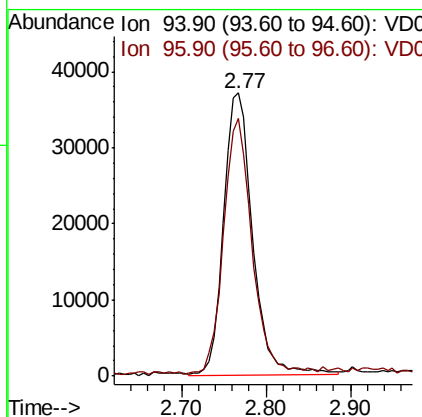
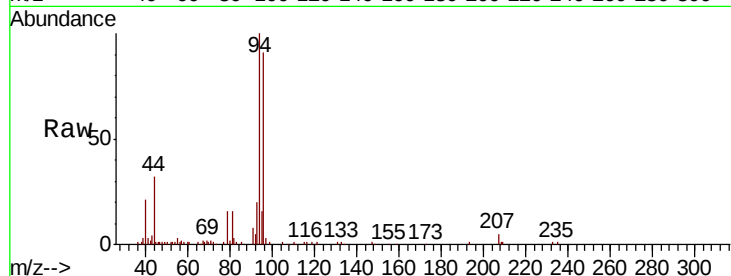
Ion Ratio Lower Upper

94 100

96 90.4 76.2 114.4

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#6

Chloroethane

Concen: 25.175 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD064197.D

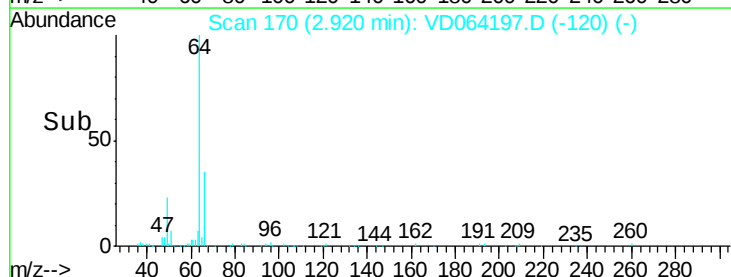
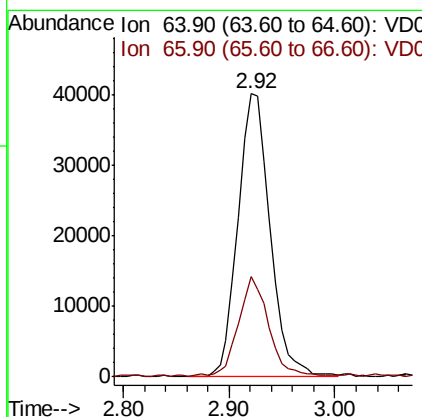
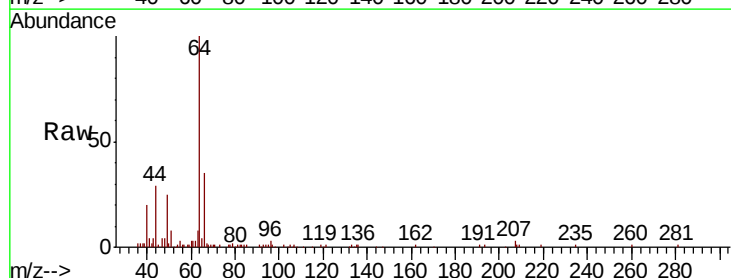
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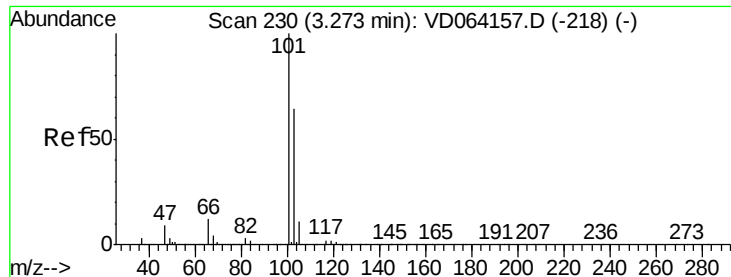
Tgt Ion: 64 Resp: 85207

Ion Ratio Lower Upper

64 100

66 35.4 25.5 38.3





#7

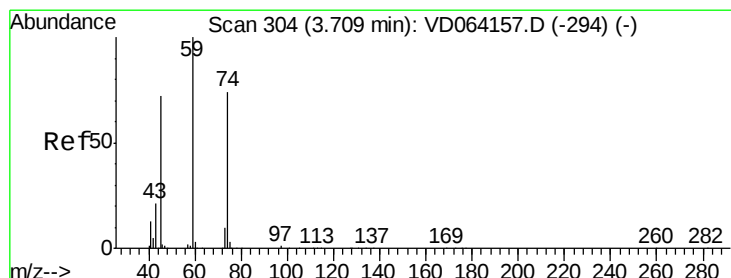
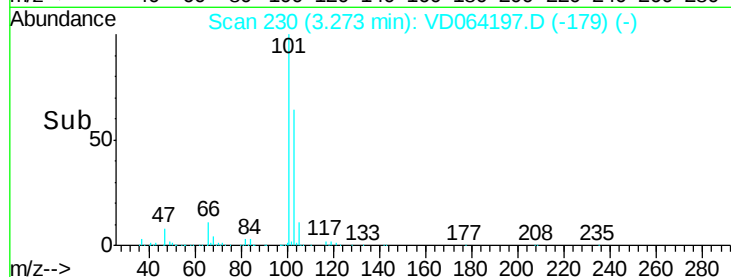
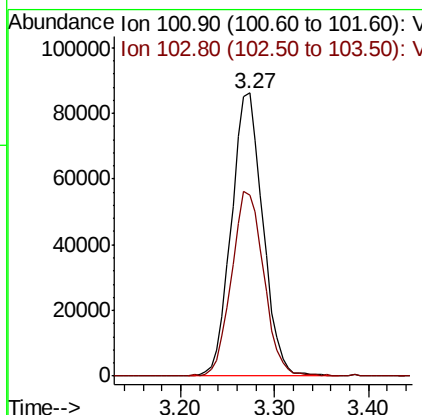
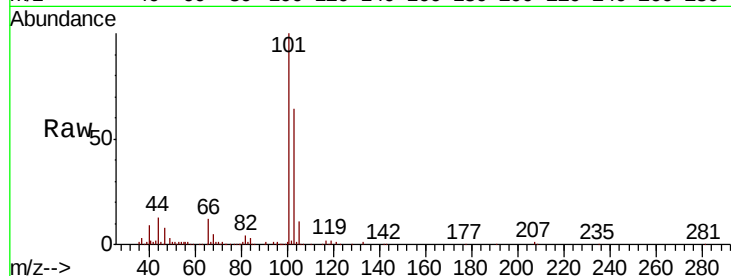
Trichlorofluoromethane
 Concen: 23.394 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD064197.D
 Acq: 12 Nov 2019 15:33

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	200900		
103	64.1	50.8	76.2	

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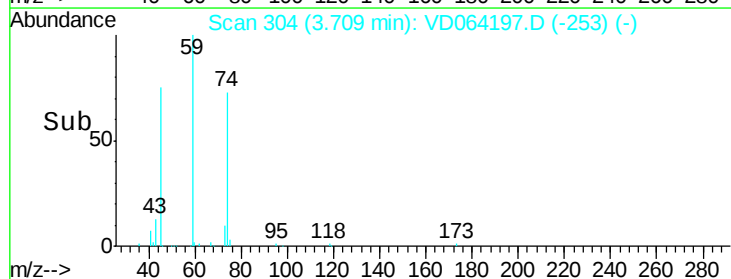
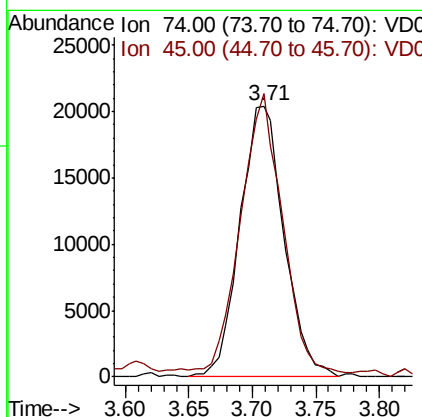
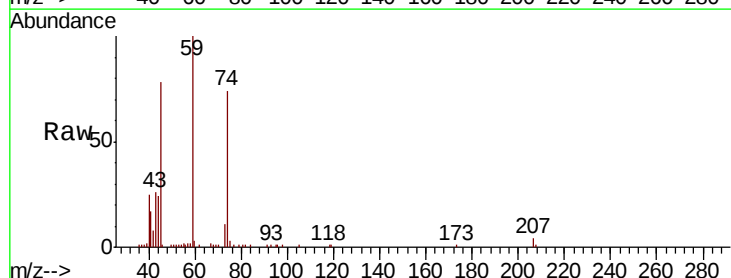
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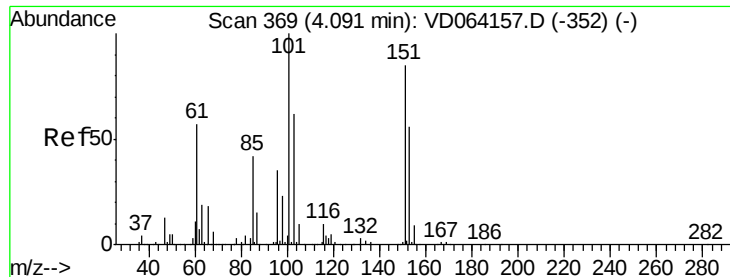


#8

Diethyl Ether
 Concen: 20.910 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD064197.D
 Acq: 12 Nov 2019 15:33

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	49374		
45	98.1	47.9	143.7	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.947 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD064197.D

Acq: 12 Nov 2019 15:33

Instrument :

MSVOA_D

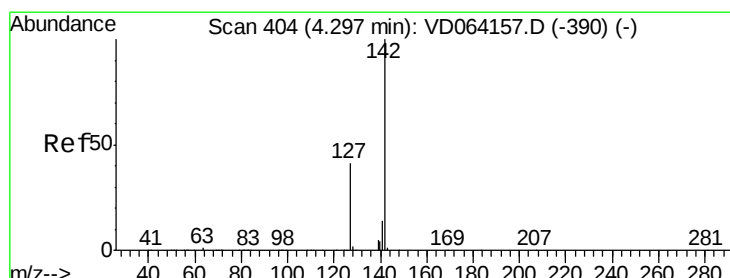
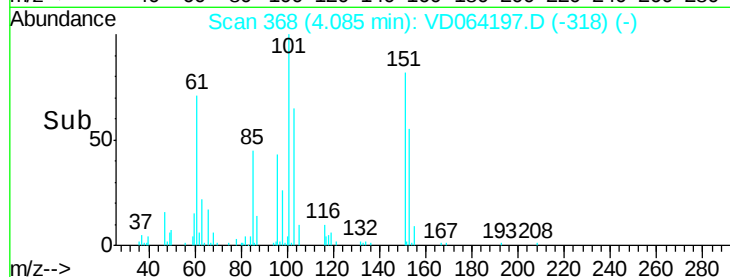
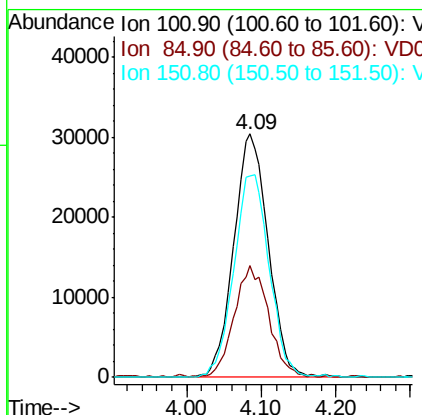
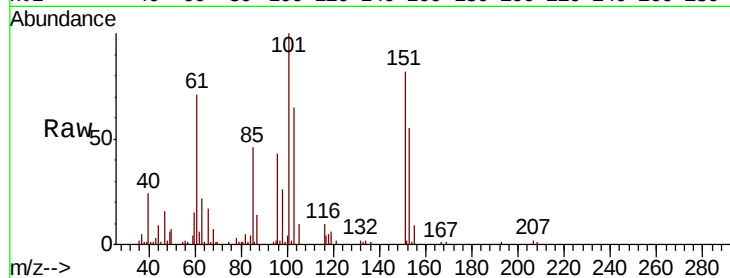
ClientSampleId :

VD1112SBS01

Tot Ion:	101	Resp:	97907
Ion Ratio	Lower	Upper	
101	100		
85	45.9	34.4	51.6
151	85.0	68.1	102.1

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#10

Methyl Iodide

Concen: 18.445 ug/l

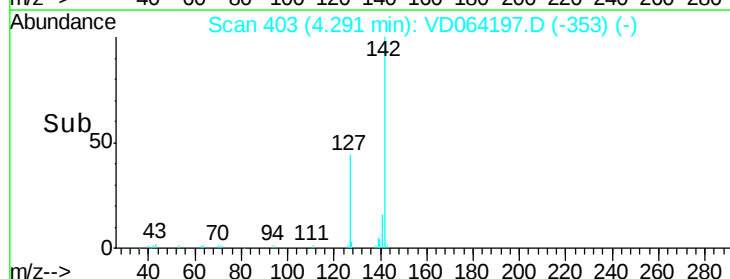
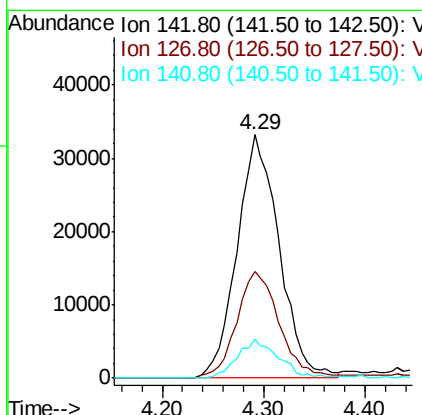
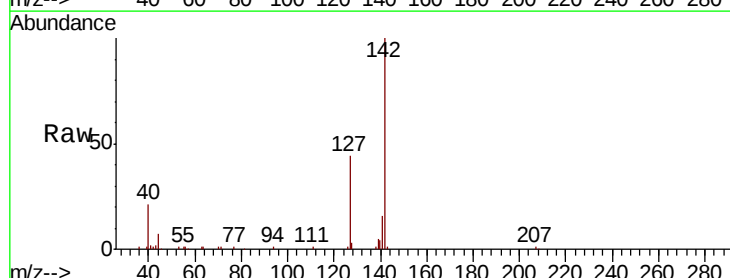
RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD064197.D

Acq: 12 Nov 2019 15:33

Tgt Ion:	142	Resp:	95859
Ion Ratio	Lower	Upper	
142	100		
127	44.2	34.4	51.6
141	15.4	11.2	16.8





#11

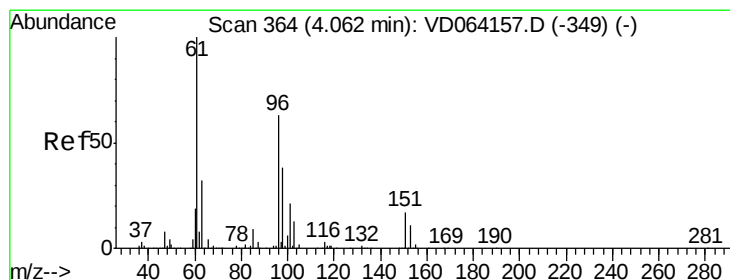
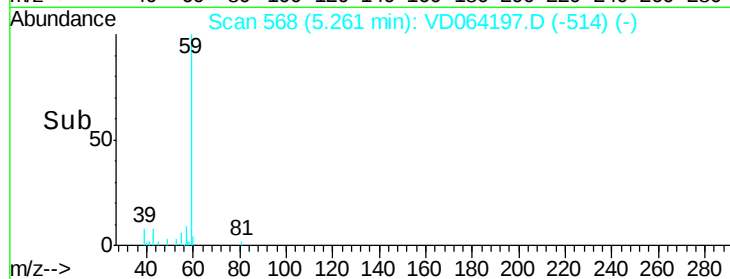
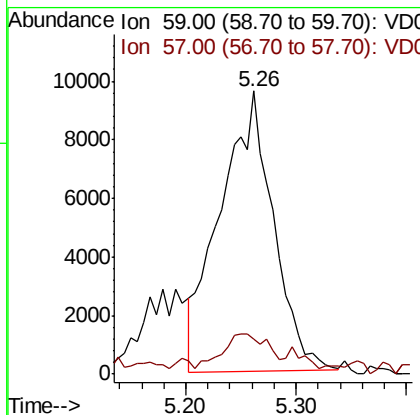
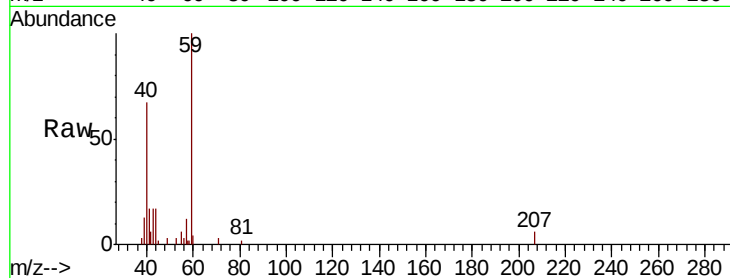
Tert butyl alcohol
Concen: 100.780 ug/l
RT: 5.26 min Scan# 568
Delta R.T. 0.02 min
Lab File: VD064197.D
Acq: 12 Nov 2019 15:33

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	9.4	14.2

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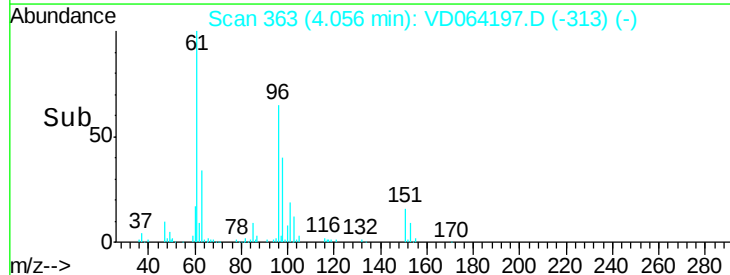
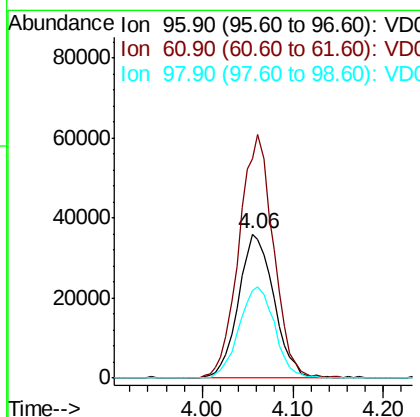
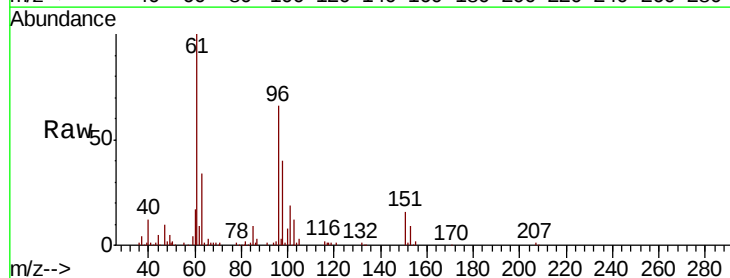
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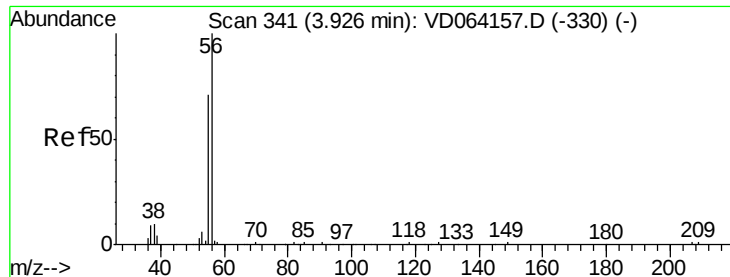


#12

1,1-Dichloroethene
Concen: 21.036 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064197.D
Acq: 12 Nov 2019 15:33

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.6	127.4	191.2
98	61.1	48.1	72.1





#13

Acrolein

Concen: 93.328 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064197.D

Acq: 12 Nov 2019 15:33

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBS01

Tot Ion: 56 Resp: 25252

Ion Ratio Lower Upper

56 100

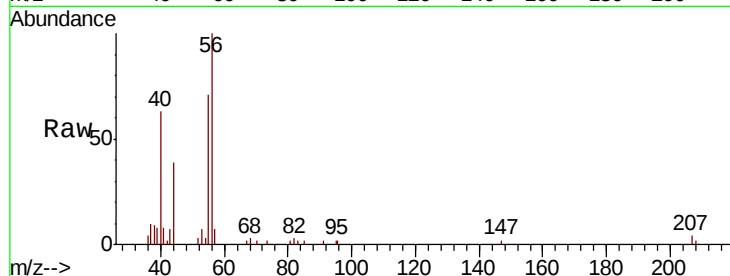
55 67.1 56.1 84.1

Manual Integrations

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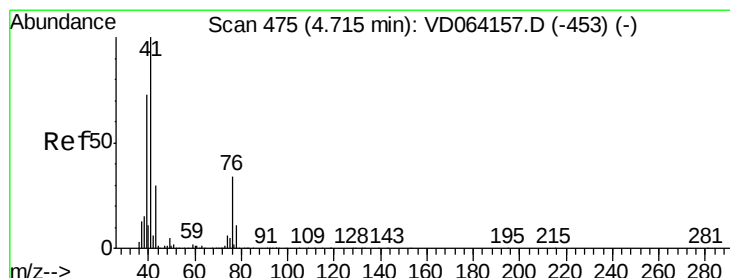
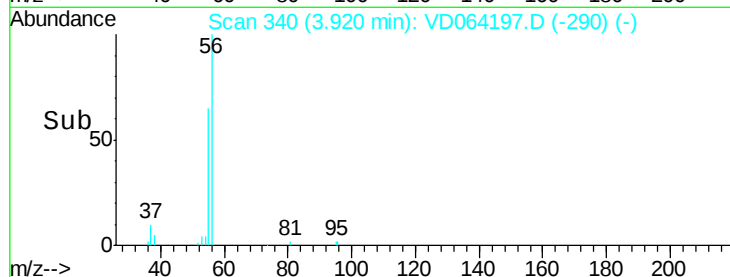
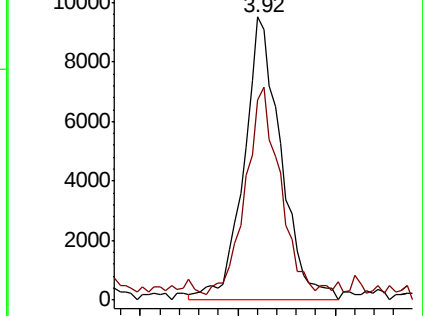
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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.835 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD064197.D

Acq: 12 Nov 2019 15:33

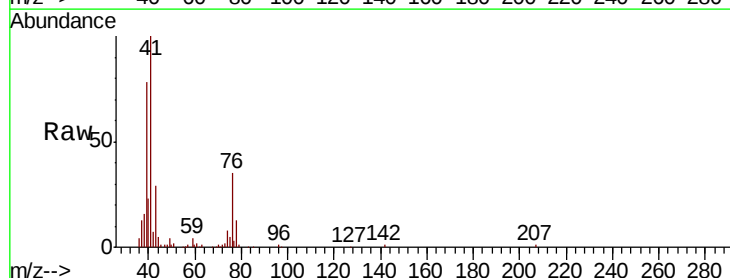
Tgt Ion: 41 Resp: 172351

Ion Ratio Lower Upper

41 100

39 74.2 57.5 86.3

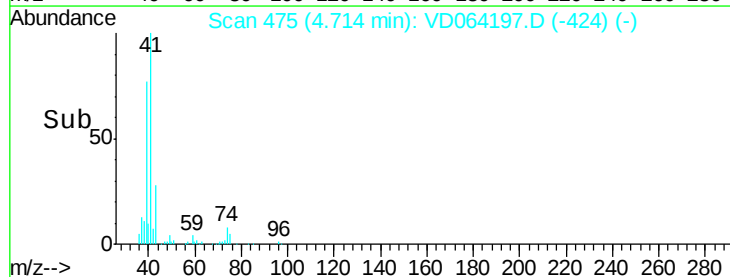
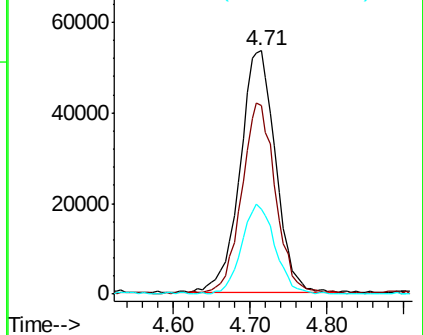
76 35.3 26.8 40.2

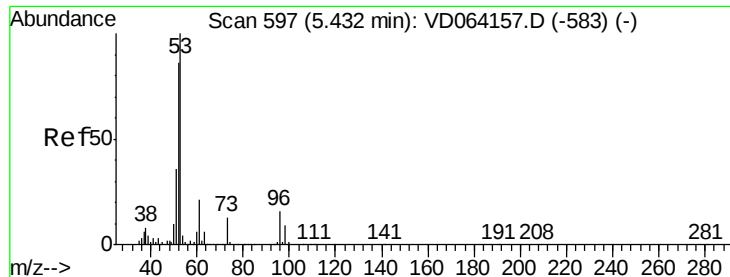


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 99.981 ug/l

RT: 5.44 min Scan# 598

Delta R.T. 0.01 min

Lab File: VD064197.D

Acq: 12 Nov 2019 15:33

Instrument :

MSVOA_D

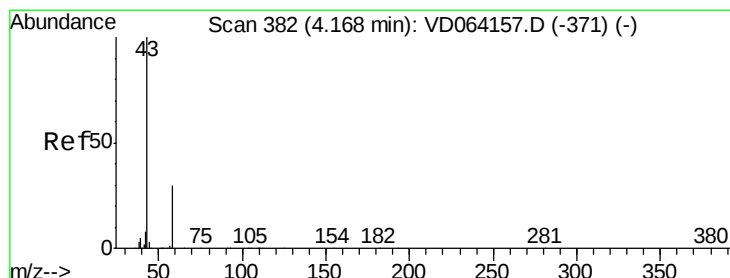
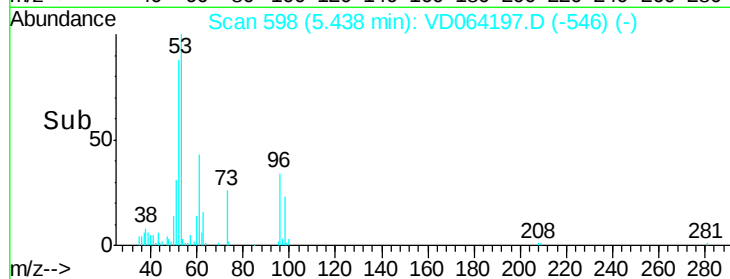
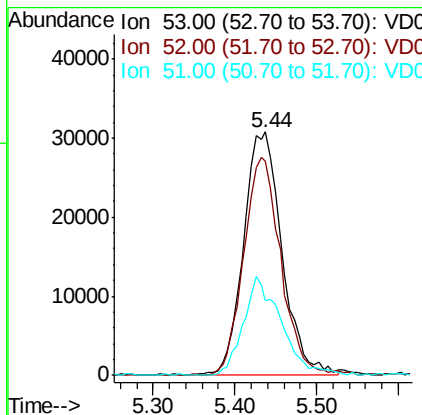
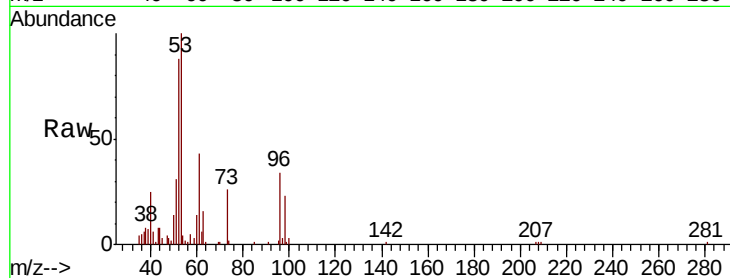
ClientSampleId :

VD1112SBS01

Tot Ion:	53	Resp:	100644
Ion Ratio	Lower	Upper	
53	100		
52	87.1	66.7	100.1
51	39.8	30.6	46.0

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#16

Acetone

Concen: 91.194 ug/l

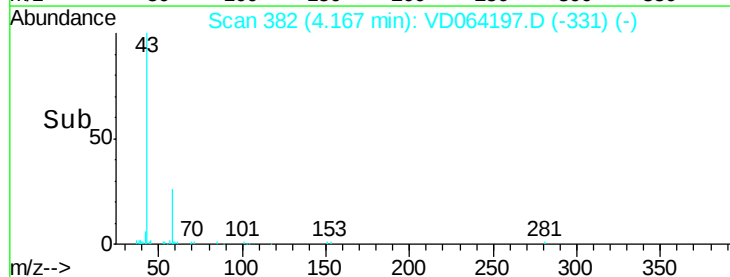
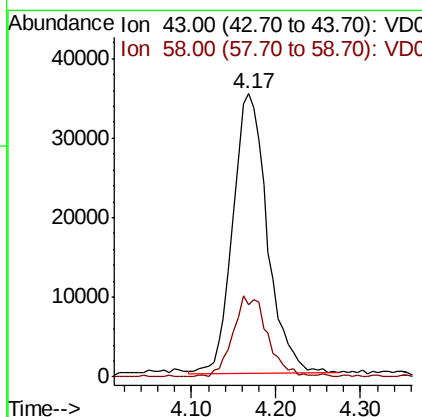
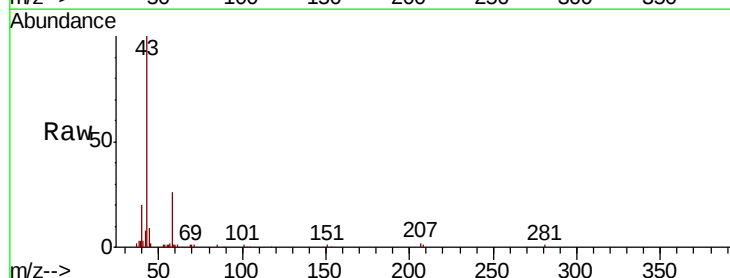
RT: 4.17 min Scan# 382

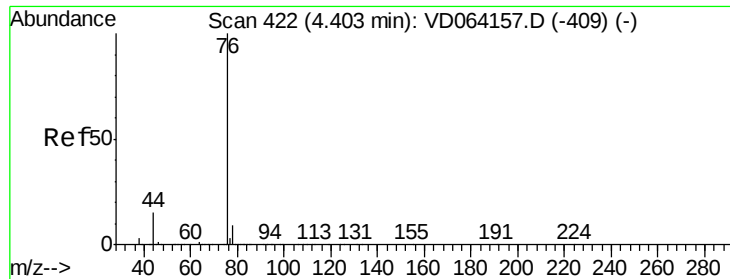
Delta R.T. -0.00 min

Lab File: VD064197.D

Acq: 12 Nov 2019 15:33

Tgt Ion:	43	Resp:	98929
Ion Ratio	Lower	Upper	
43	100		
58	26.1	24.1	36.1





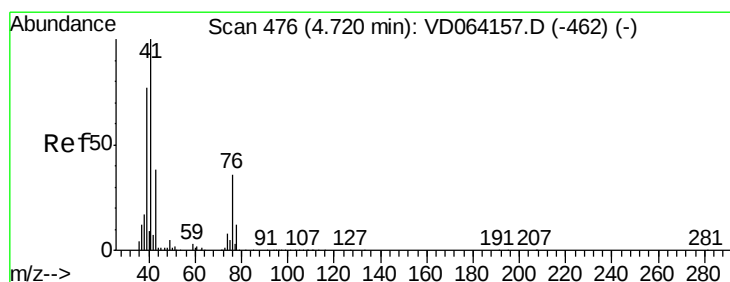
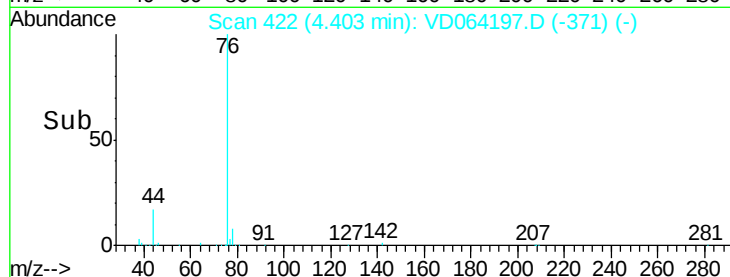
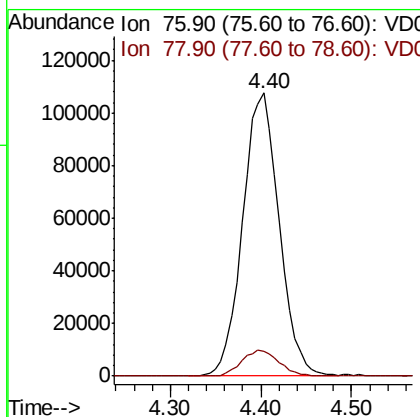
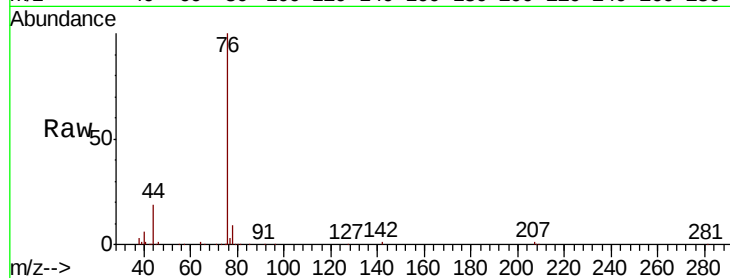
#17
Carbon Disulfide
Concen: 20.683 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.00 min
Lab File: VD064197.D
Acq: 12 Nov 2019 15:33

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.2	10.8

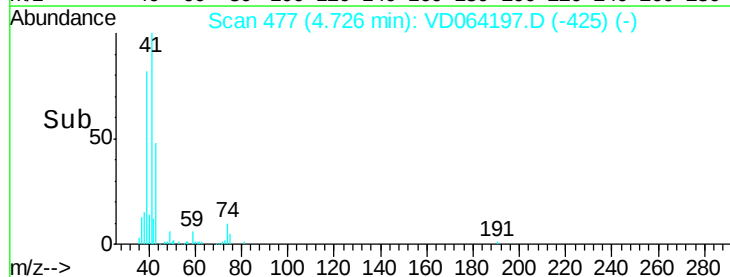
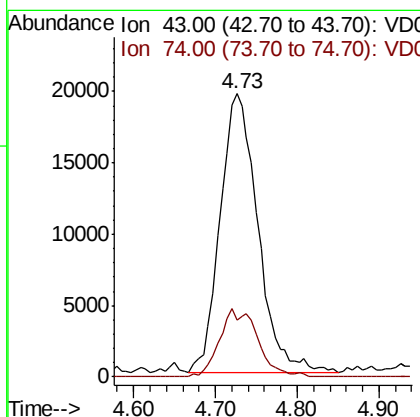
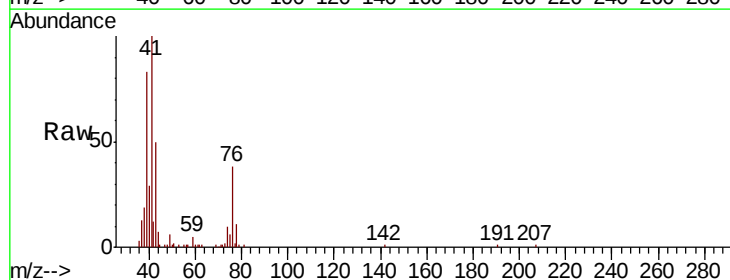
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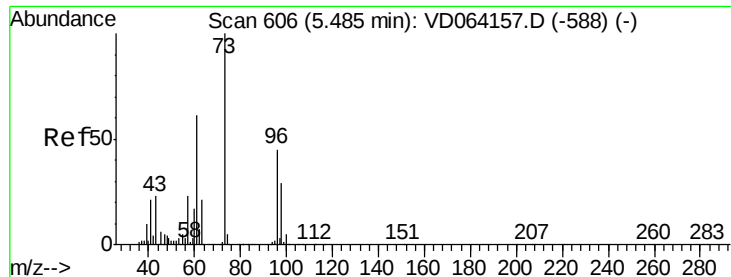
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#18
Methyl Acetate
Concen: 20.770 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.01 min
Lab File: VD064197.D
Acq: 12 Nov 2019 15:33

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.6	18.4	27.6





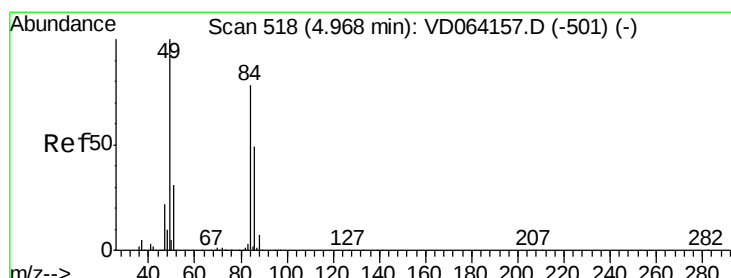
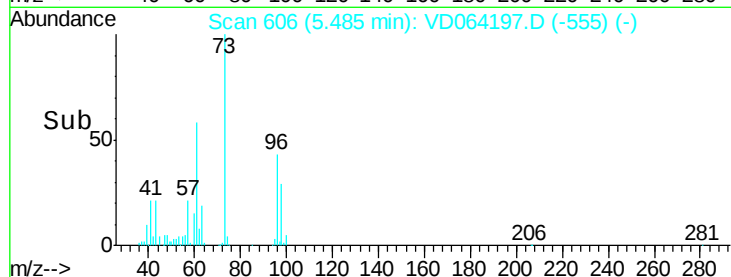
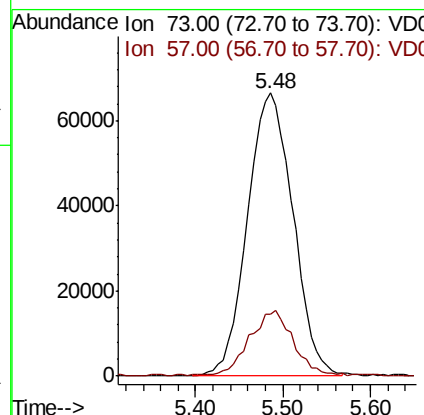
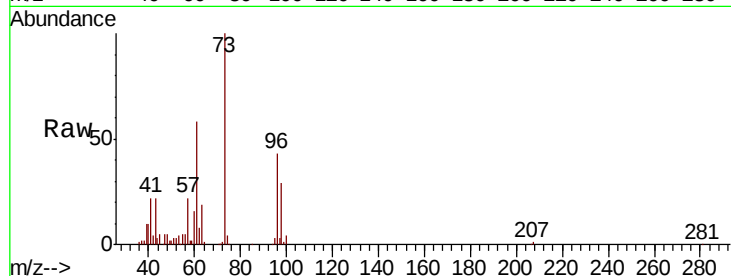
#19
Methvl tert-butvl Ether
Concen: 21.173 ug/l
RT: 5.48 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD064197.D
Acq: 12 Nov 2019 15:33

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS01

Tot Ion: 73 Resp: 236481
Ion Ratio Lower Upper
73 100
57 21.2 18.4 27.6

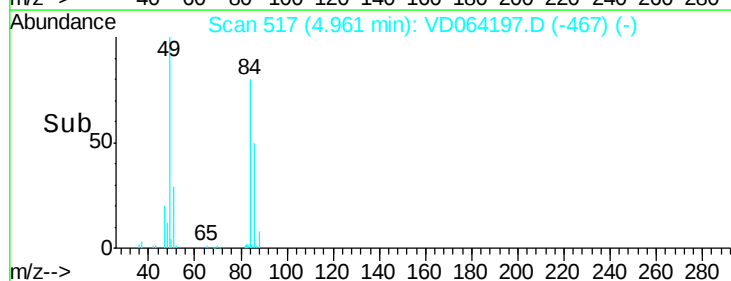
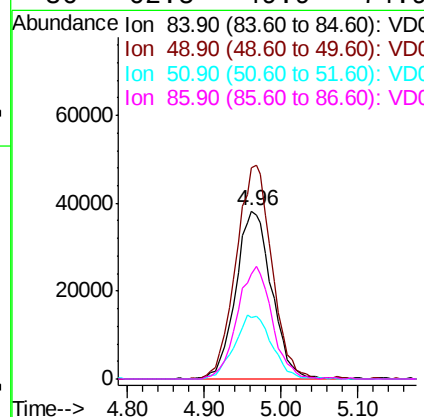
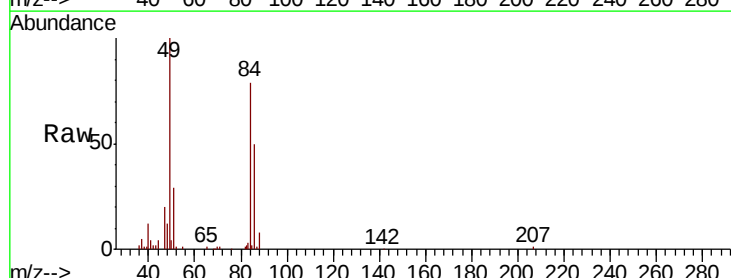
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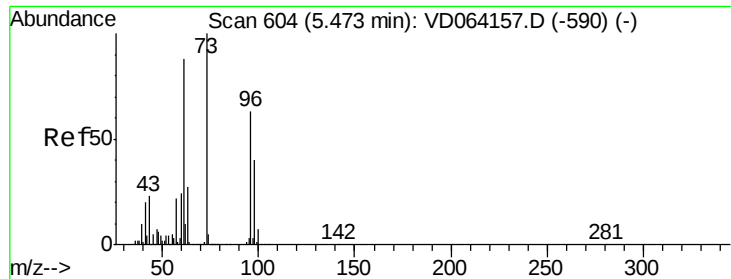
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#20
Methylene Chloride
Concen: 22.738 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD064197.D
Acq: 12 Nov 2019 15:33

Tgt Ion: 84 Resp: 124599
Ion Ratio Lower Upper
84 100
49 125.2 102.1 153.1
51 36.7 32.2 48.2
86 62.5 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 21.326 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD064197.D

Acq: 12 Nov 2019 15:33

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBS01

Tot Ion: 96 Resp: 113039

Ion Ratio Lower Upper

96 100

61 137.0 111.8 167.6

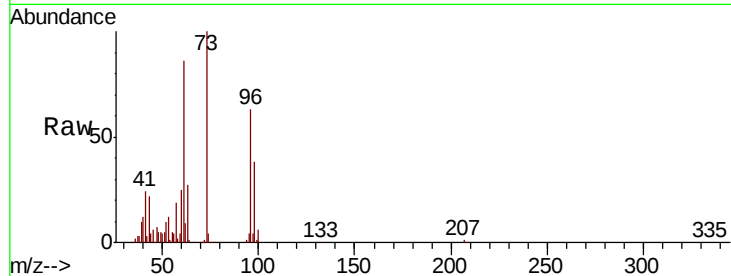
98 60.6 50.3 75.5

Manual Integrations

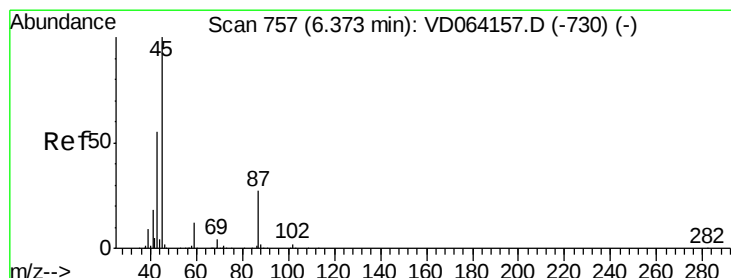
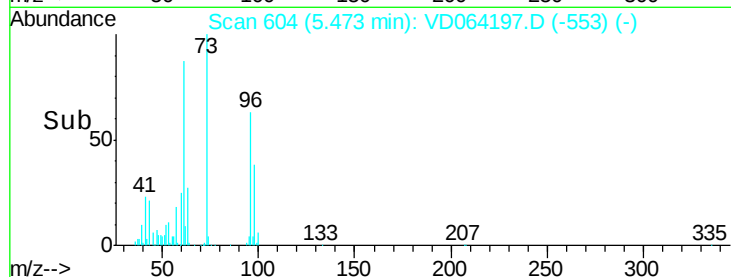
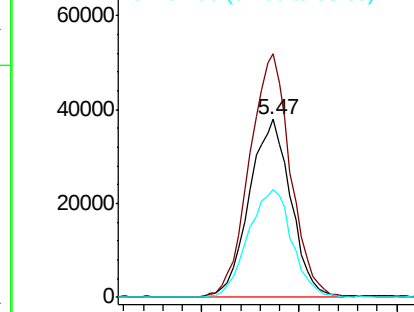
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Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 20.822 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064197.D

Acq: 12 Nov 2019 15:33

Tgt Ion: 45 Resp: 319577

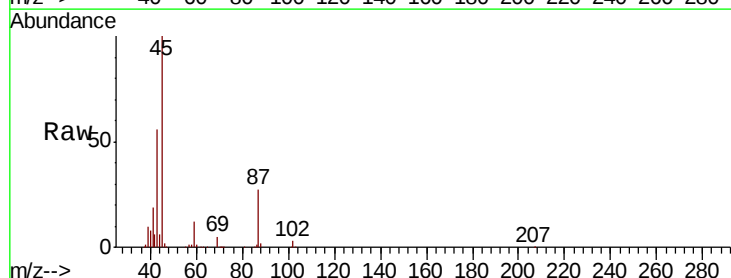
Ion Ratio Lower Upper

45 100

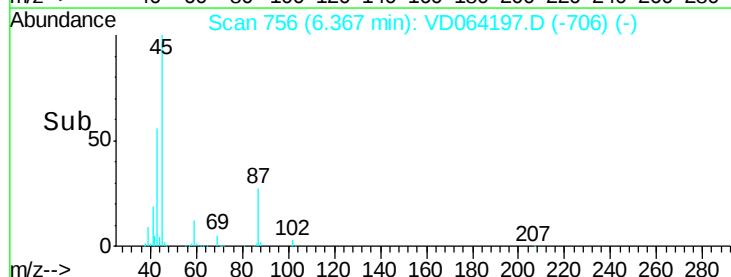
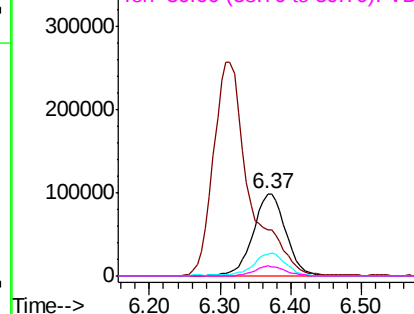
43 55.4 44.4 66.6

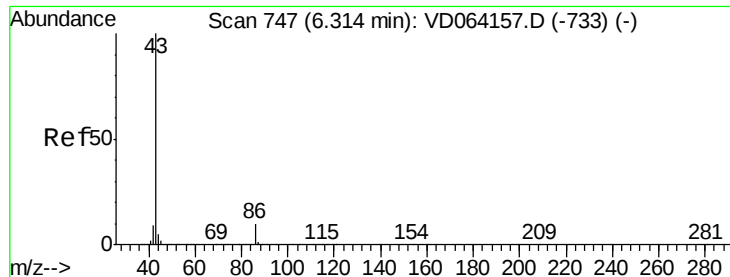
87 26.3 21.9 32.9

59 11.6 9.4 14.2



Abundance Ion 45.00 (44.70 to 45.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 105.721 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064197.D

Acq: 12 Nov 2019 15:33

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBS01

Tot Ion: 43 Resp: 904489

Ion Ratio Lower Upper

43 100

86 10.0

8.2

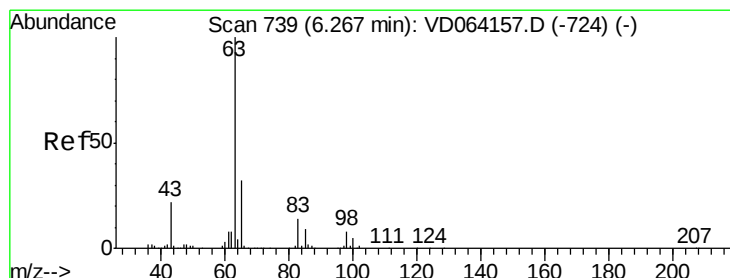
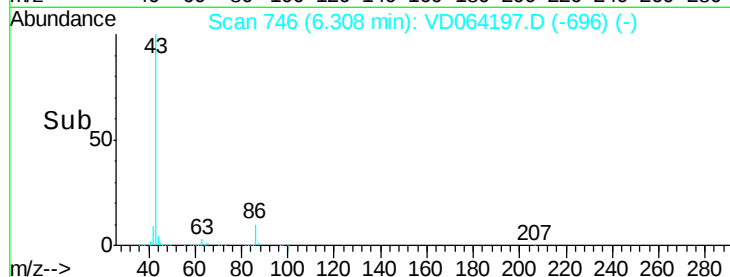
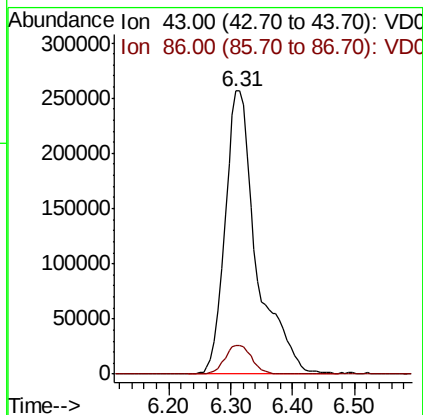
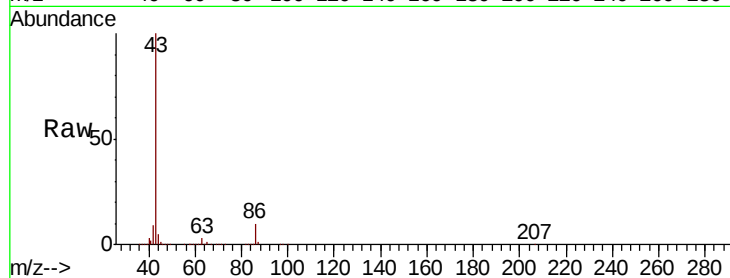
12.2

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#24

1,1-Dichloroethane

Concen: 21.628 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD064197.D

Acq: 12 Nov 2019 15:33

Tgt Ion: 63 Resp: 192738

Ion Ratio Lower Upper

63 100

98 8.1

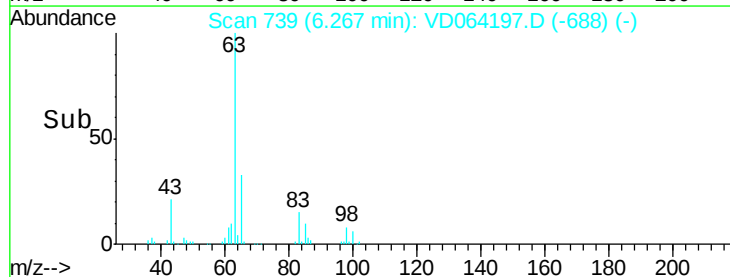
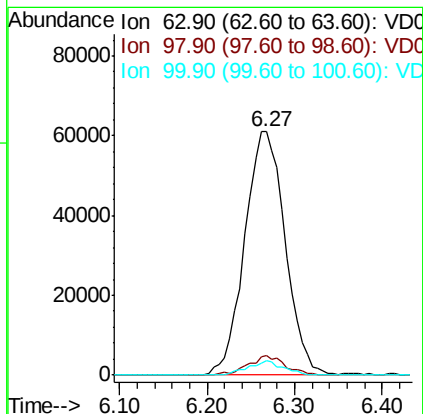
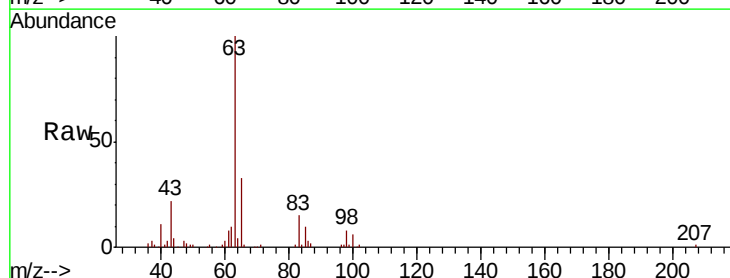
3.8

11.4

100 5.8

2.4

7.2





#25

2-Butanone

Concen: 100.425 ug/l

RT: 7.23 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD064197.D

Acq: 12 Nov 2019 15:33

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBS01

Tot Ion: 43 Resp: 140747

Ion Ratio Lower Upper

43 100

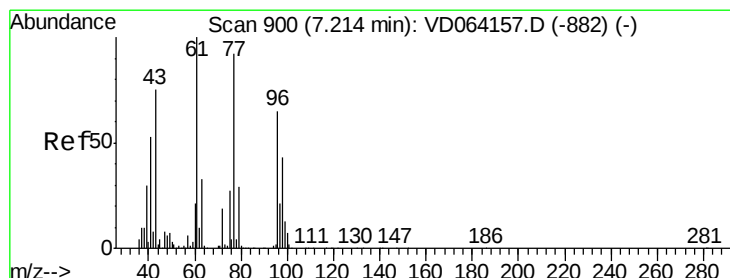
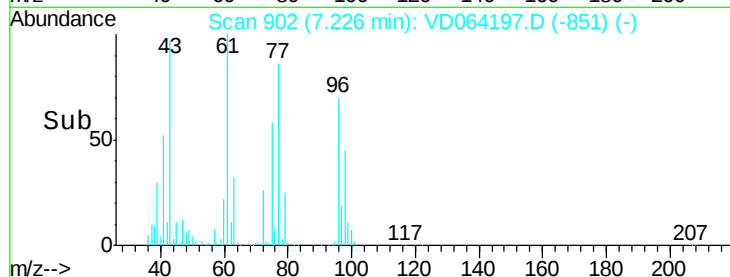
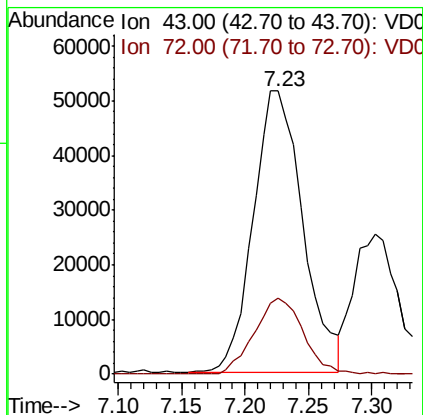
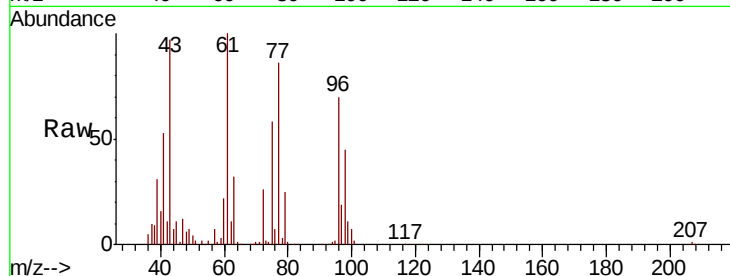
72 27.0 20.6 30.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.068 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064197.D

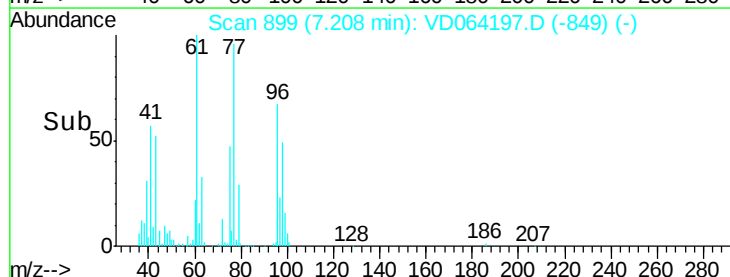
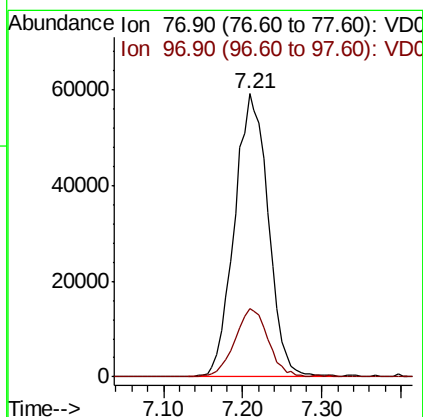
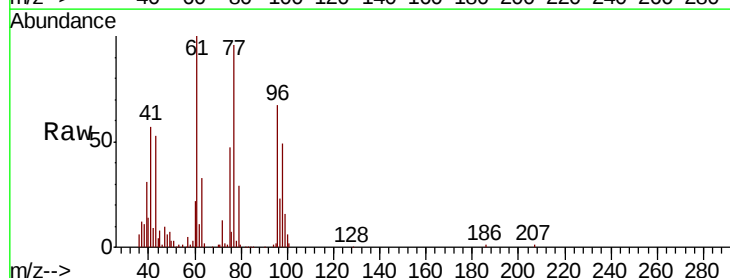
Acq: 12 Nov 2019 15:33

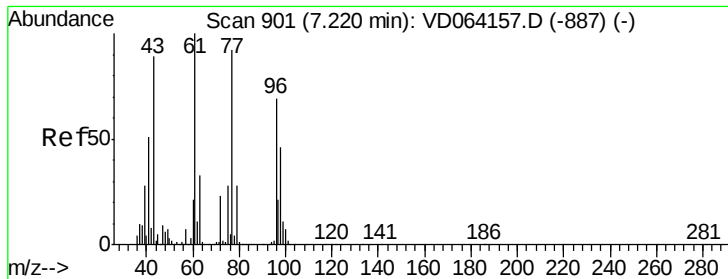
Tgt Ion: 77 Resp: 175380

Ion Ratio Lower Upper

77 100

97 23.8 11.1 33.3





#27

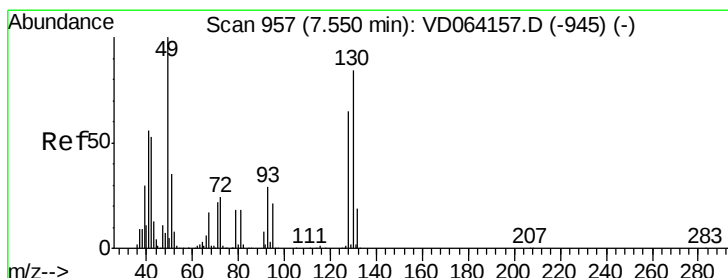
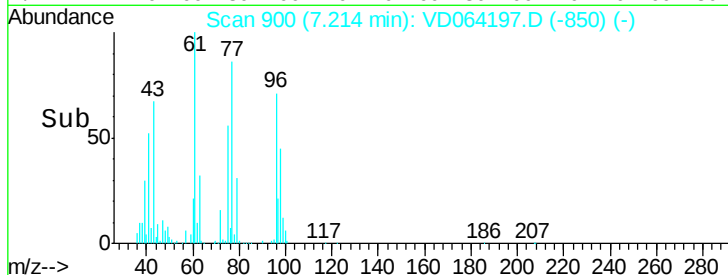
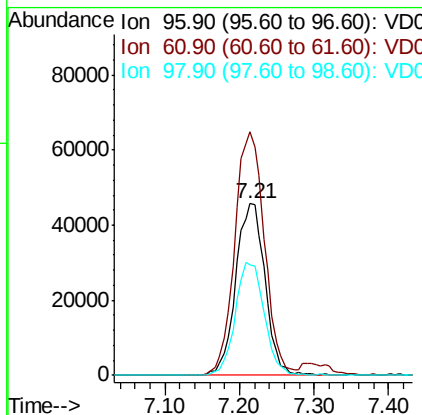
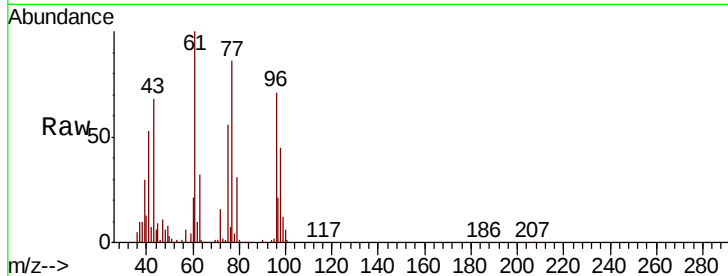
cis-1,2-Dichloroethene
Concen: 21.960 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.01 min
Lab File: VD064197.D
Acq: 12 Nov 2019 15:33

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	124827		
61	144.0	0.0	301.4	
98	64.8	0.0	133.2	

Manual Integrations
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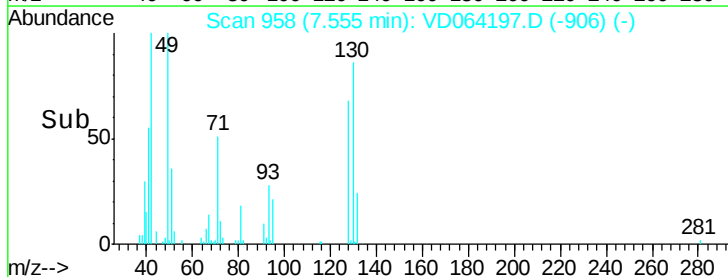
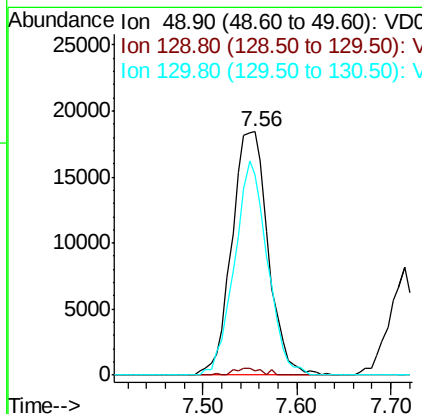
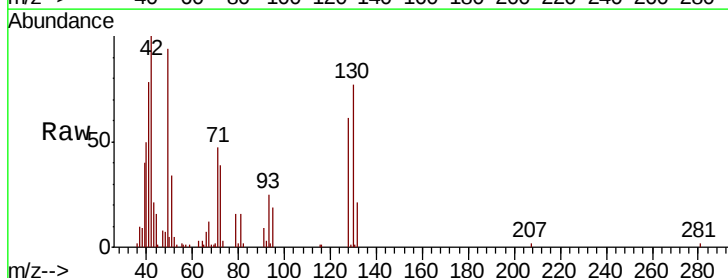
MMDadoda
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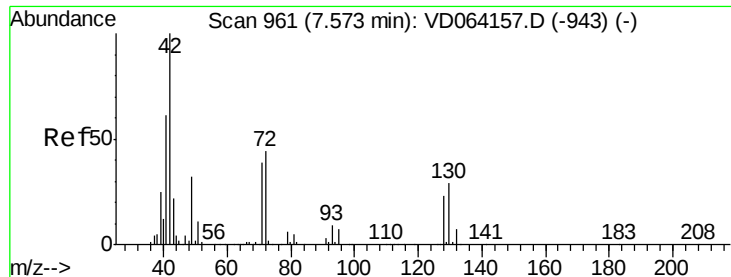


#28

Bromochloromethane
Concen: 15.854 ug/l
RT: 7.56 min Scan# 958
Delta R.T. 0.01 min
Lab File: VD064197.D
Acq: 12 Nov 2019 15:33

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	49189		
129	2.2	0.0	4.4	
130	80.1	66.8	100.2	





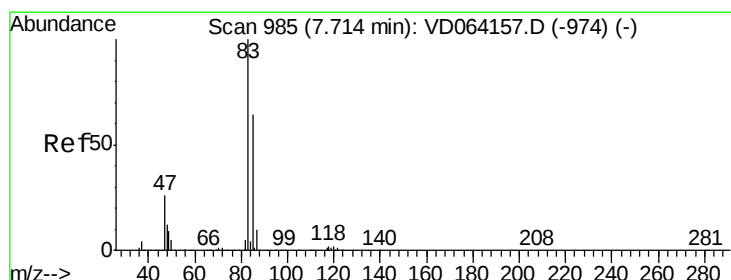
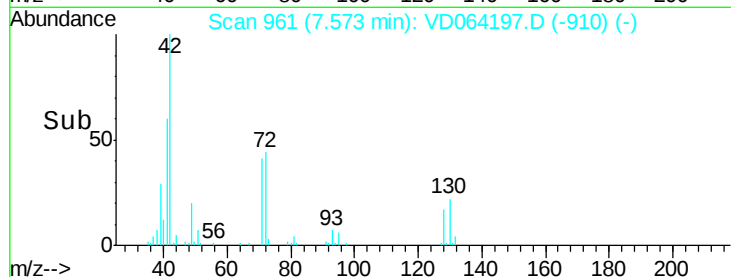
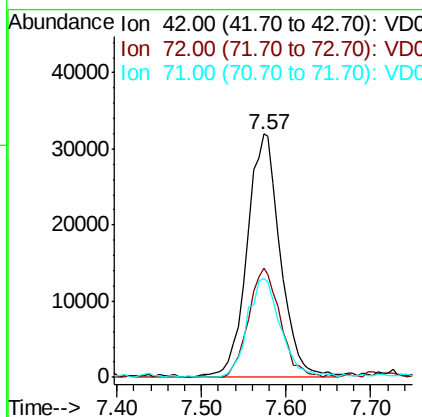
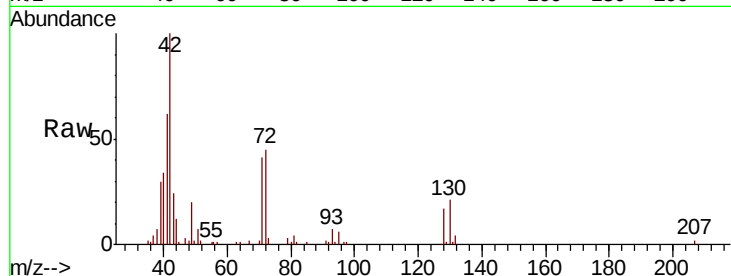
#29
Tetrahydrofuran
Concen: 104.312 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD064197.D
Acq: 12 Nov 2019 15:33

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.5	33.4	50.2
71	40.6	31.0	46.4

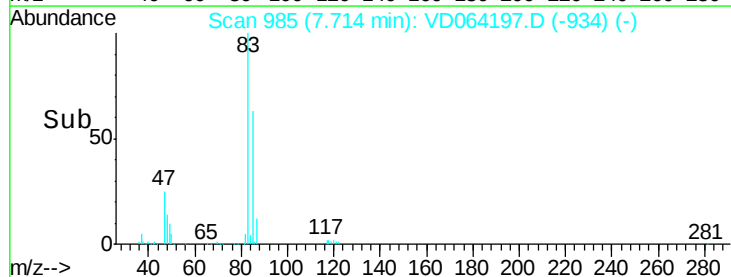
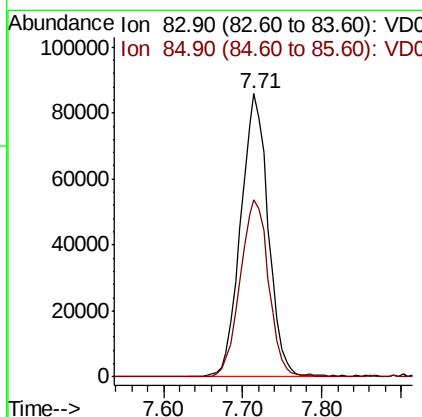
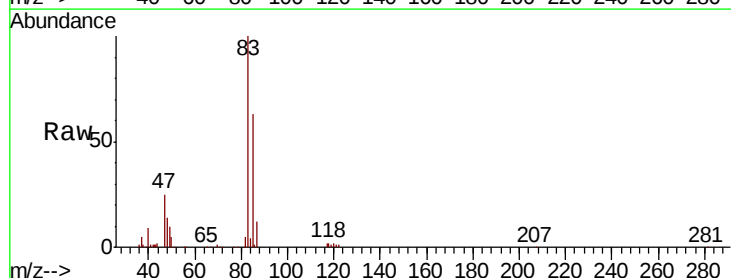
Manual Integrations
APPROVED

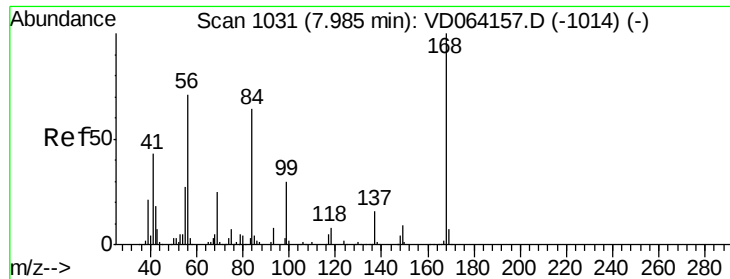
MMDadoda
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#30
Chloroform
Concen: 22.694 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD064197.D
Acq: 12 Nov 2019 15:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.5	51.4	77.0





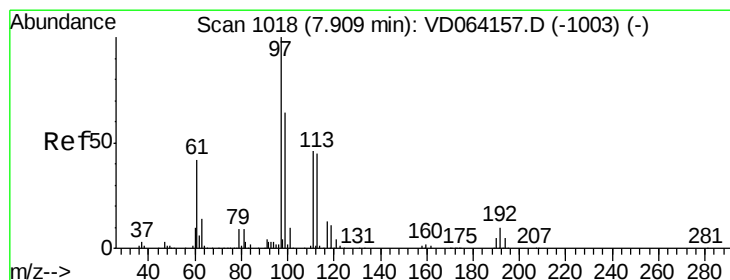
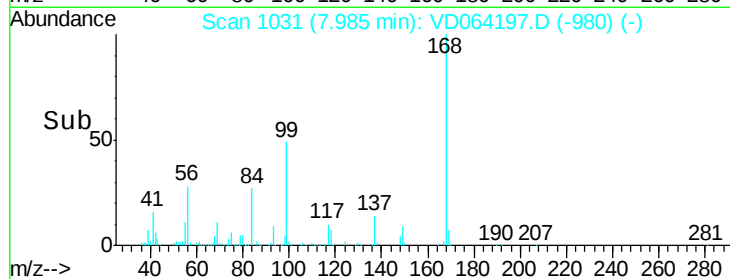
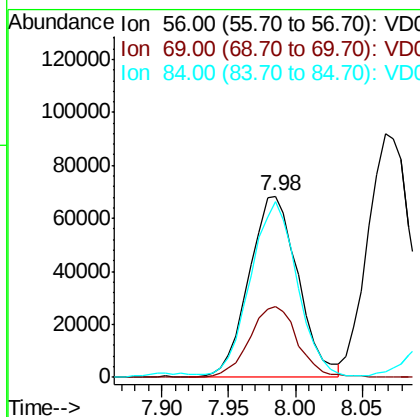
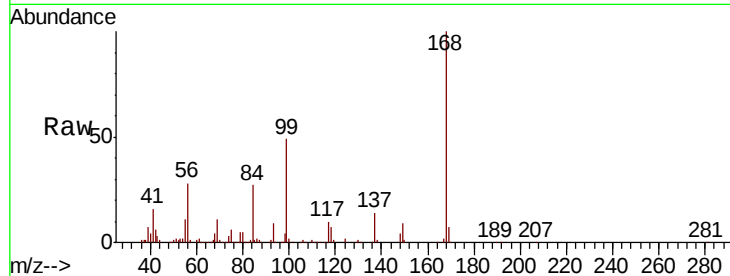
#31
Cyclohexane
Concen: 19.298 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD064197.D
Acq: 12 Nov 2019 15:33

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.8	28.2	42.4
84	95.5	71.8	107.6

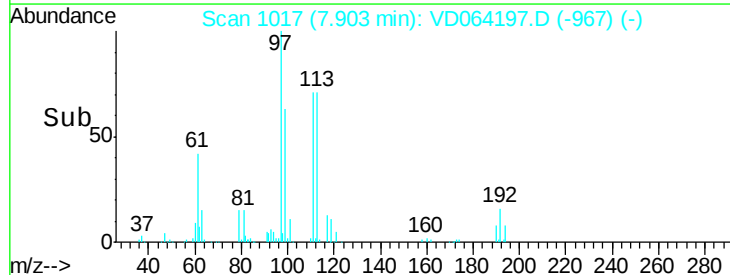
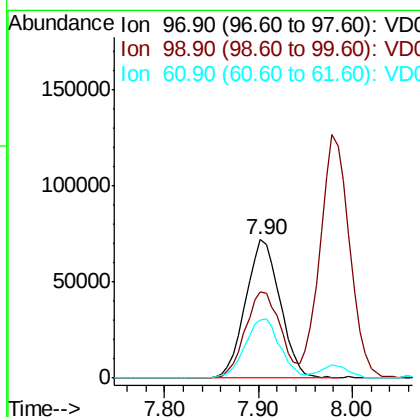
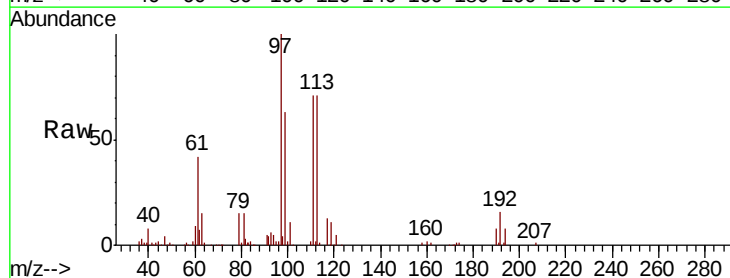
Manual Integrations
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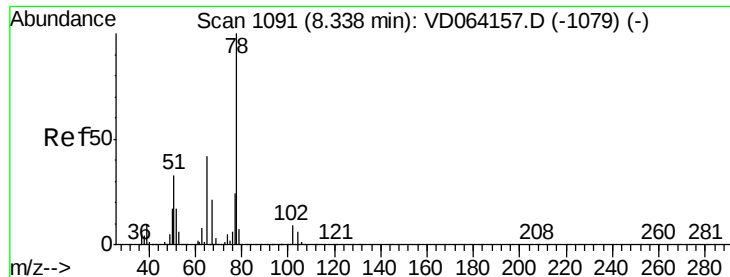
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#32
1,1,1-Trichloroethane
Concen: 20.953 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064197.D
Acq: 12 Nov 2019 15:33

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.6	77.4
61	43.1	34.2	51.2





#33

1,2-Dichloroethane-d4

Concen: 47.137 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD064197.D

Acq: 12 Nov 2019 15:33

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBS01

Tot Ion: 65 Resp: 215848

Ion Ratio Lower Upper

65 100

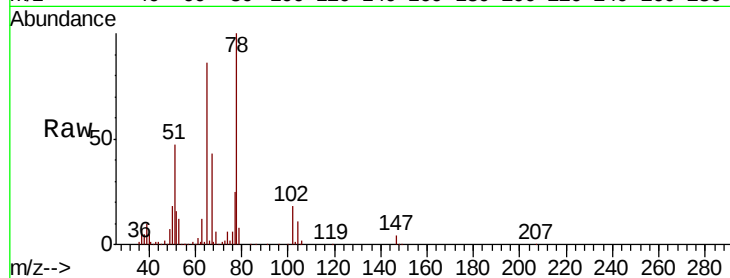
67 52.6 0.0 104.4

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.34

100000

80000

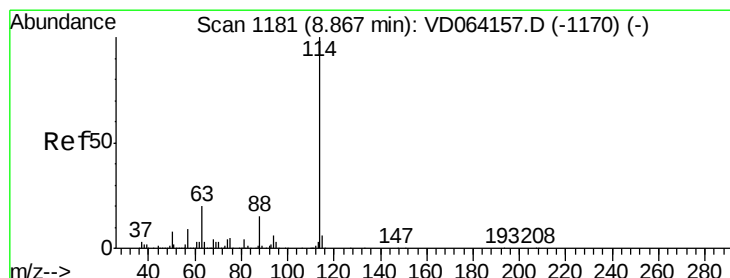
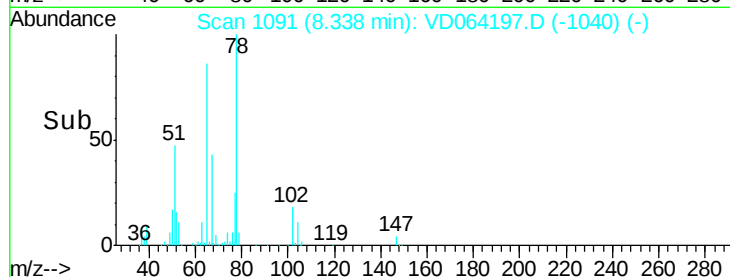
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD064197.D

Acq: 12 Nov 2019 15:33

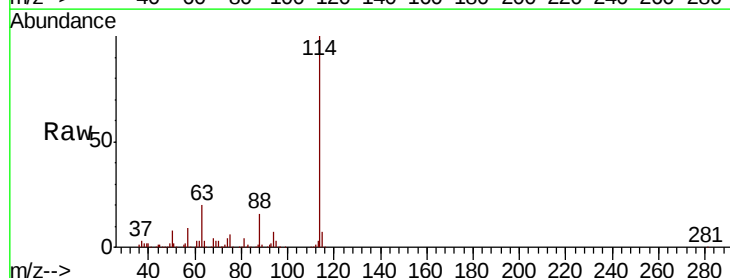
Tgt Ion: 114 Resp: 805570

Ion Ratio Lower Upper

114 100

63 19.7 0.0 40.0

88 15.8 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

500000

400000

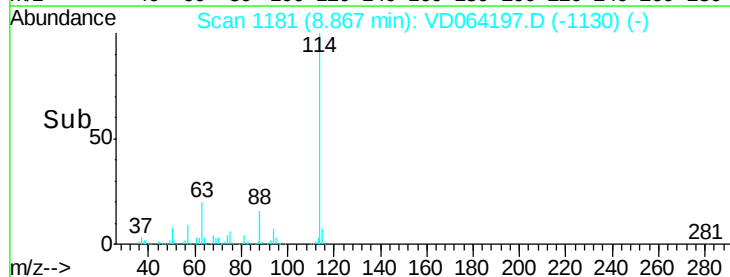
300000

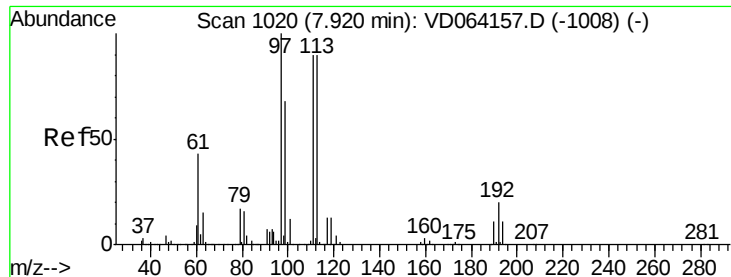
200000

100000

0

Time-->





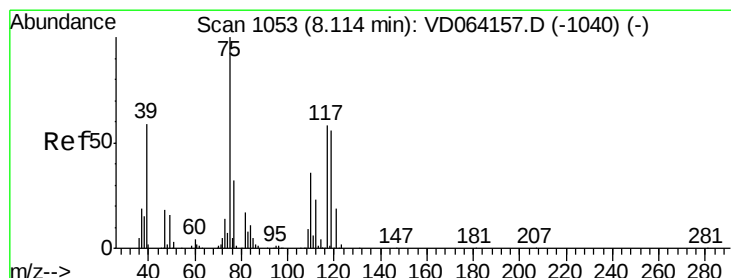
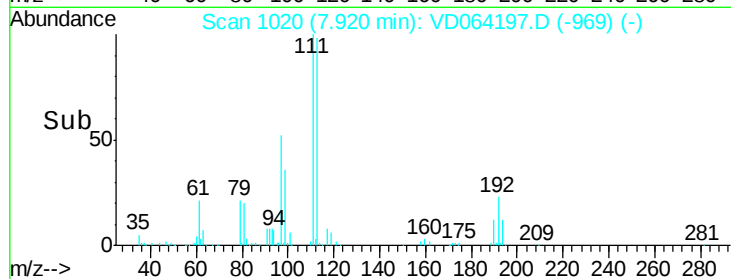
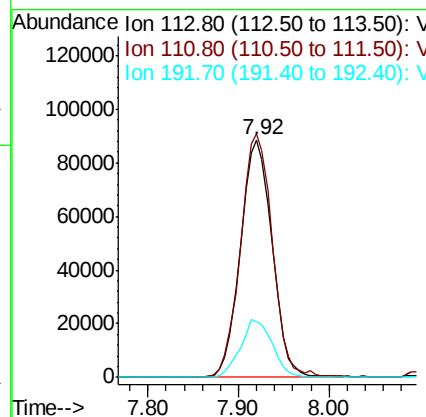
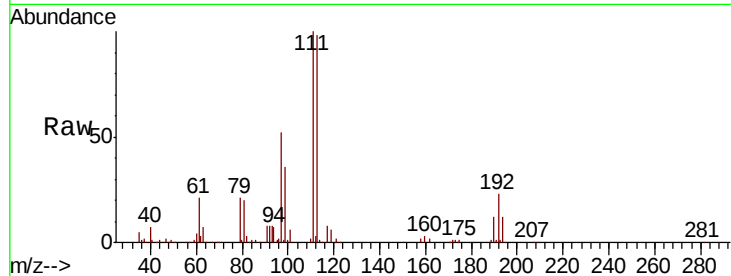
#35
Dibromofluoromethane
Concen: 46.507 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VD064197.D
Acq: 12 Nov 2019 15:33

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.4	81.5	122.3
192	24.5	18.8	28.2

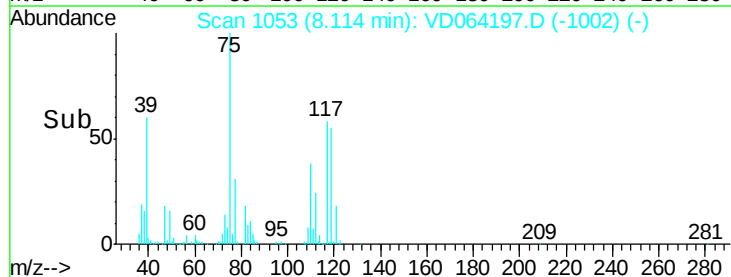
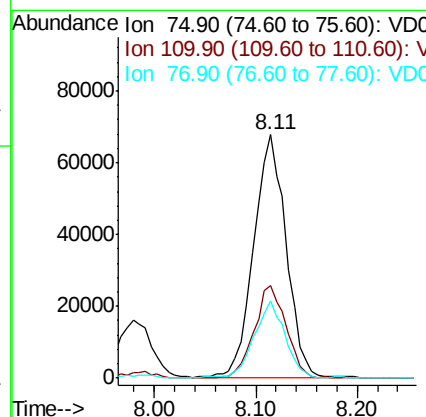
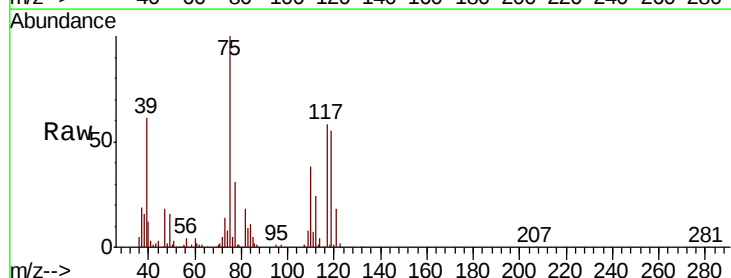
Manual Integrations
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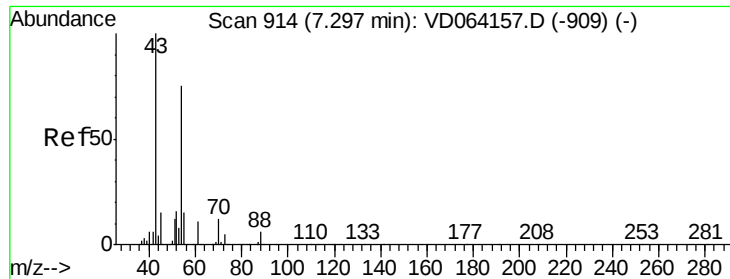
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#36
1,1-Dichloropropene
Concen: 20.331 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VD064197.D
Acq: 12 Nov 2019 15:33

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.1	18.3	54.9
77	30.2	25.0	37.6





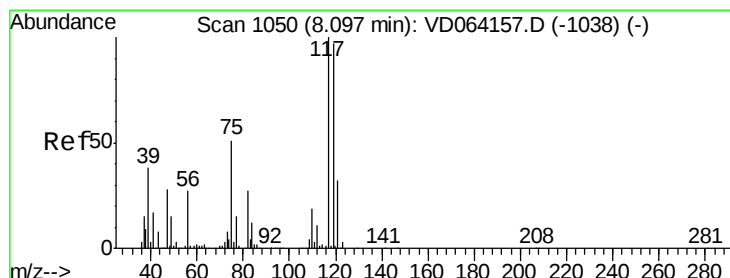
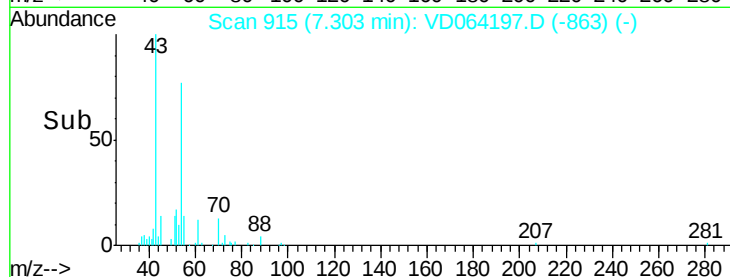
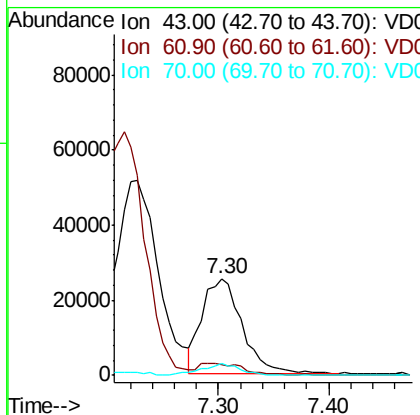
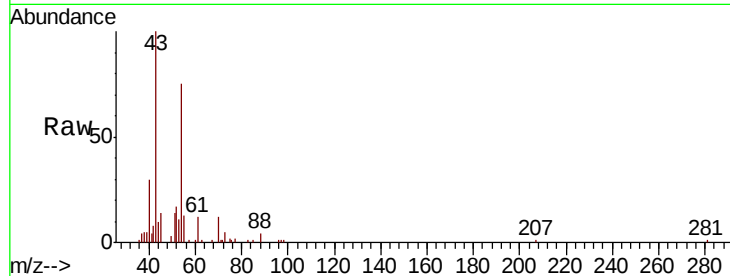
#37
Ethyl Acetate
Concen: 20.099 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064197.D
Acq: 12 Nov 2019 15:33

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.6	10.2	15.2
70	11.8	8.5	12.7

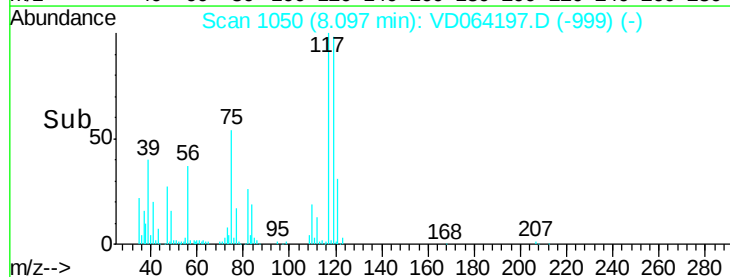
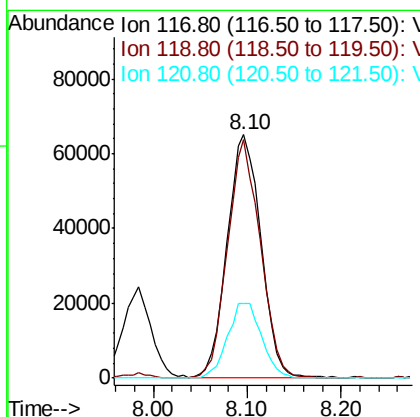
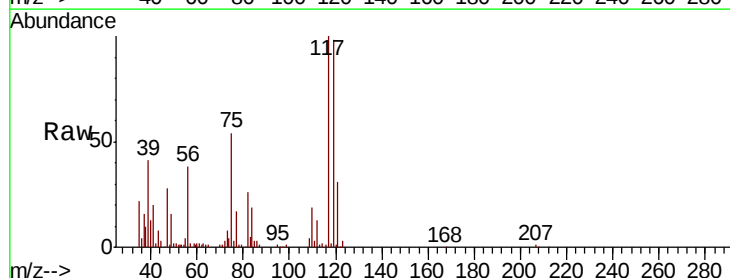
Manual Integrations
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#38
Carbon Tetrachloride
Concen: 20.479 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD064197.D
Acq: 12 Nov 2019 15:33

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.2	77.2	115.8
121	30.7	25.5	38.3





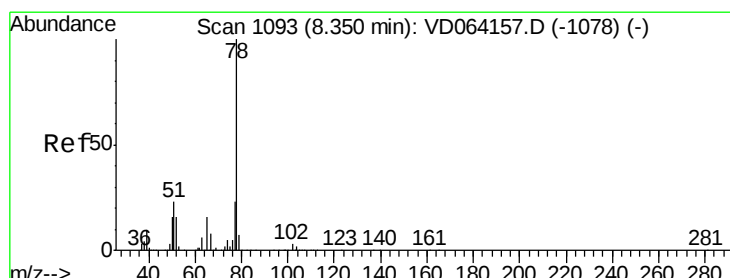
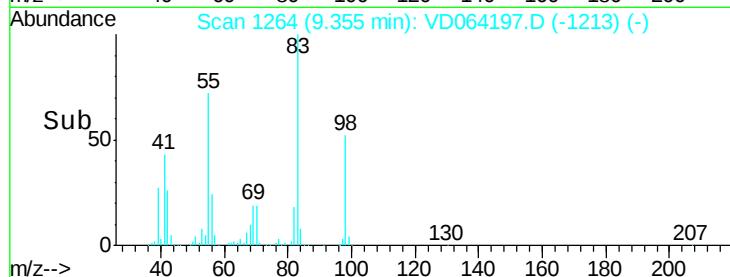
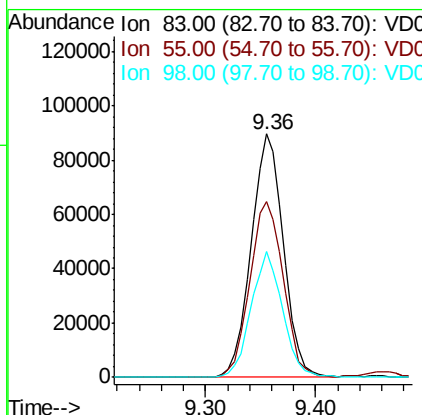
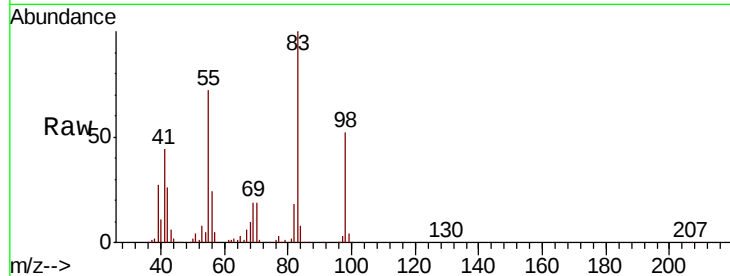
#39
Methvlcvclohexane
Concen: 19.539 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064197.D
Acq: 12 Nov 2019 15:33

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.1	61.7	92.5
98	51.8	38.6	58.0

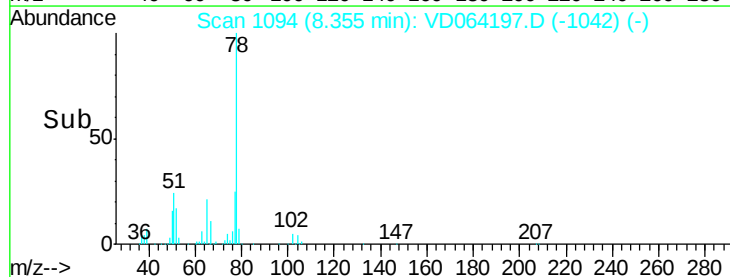
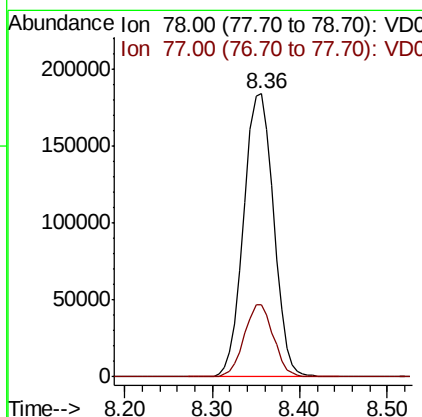
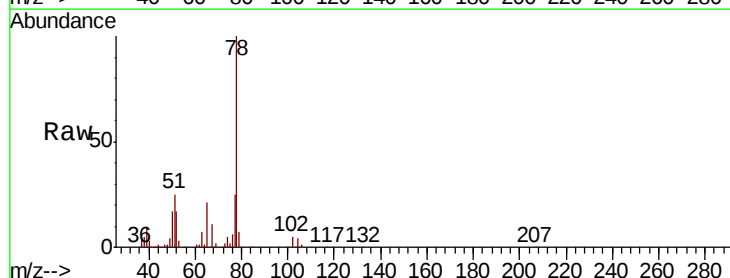
Manual Integrations
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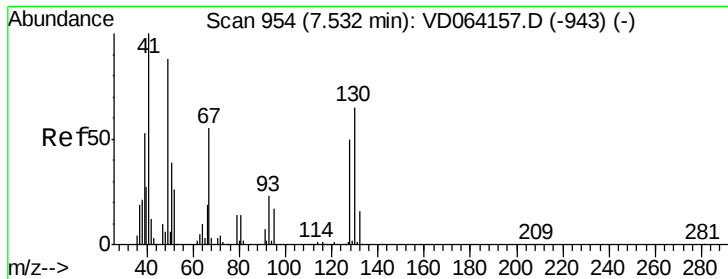
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#40
Benzene
Concen: 21.072 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD064197.D
Acq: 12 Nov 2019 15:33

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.4	18.6	28.0





#41

Methacrylonitrile

Concen: 21.252 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD064197.D

Acq: 12 Nov 2019 15:33

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBS01

Tot Ion: 41 Resp: 41866

Ion Ratio Lower Upper

41 100

39 53.3 49.4 74.2

67 64.8 49.6 74.4

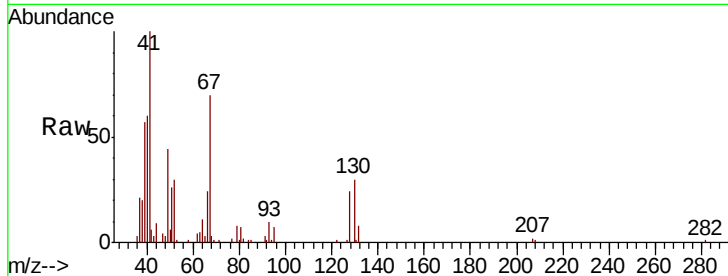
52 29.0 21.4 32.0

Manual Integrations

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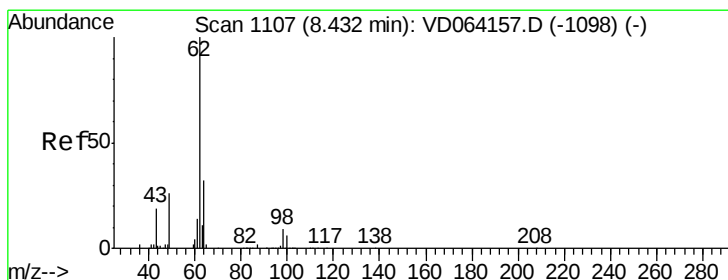
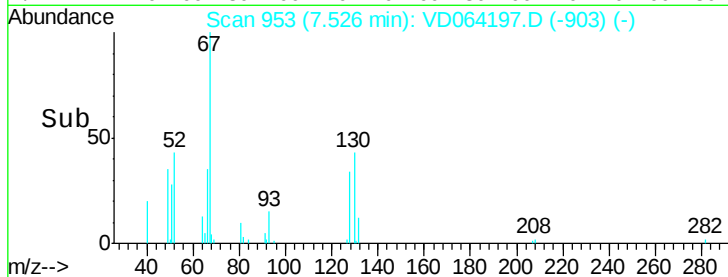
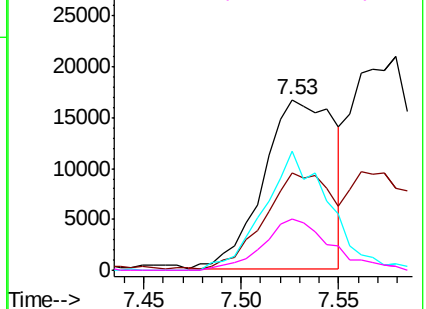


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 21.031 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD064197.D

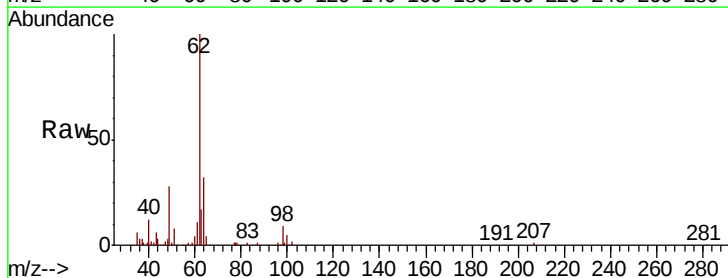
Acq: 12 Nov 2019 15:33

Tgt Ion: 62 Resp: 128345

Ion Ratio Lower Upper

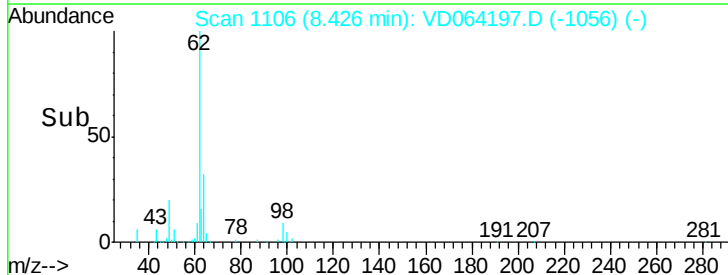
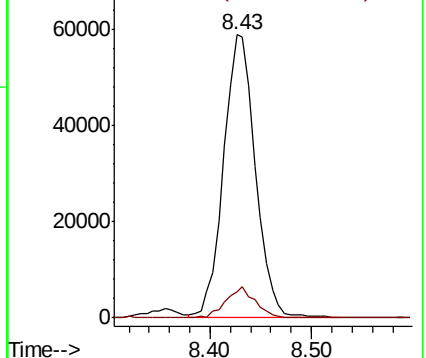
62 100

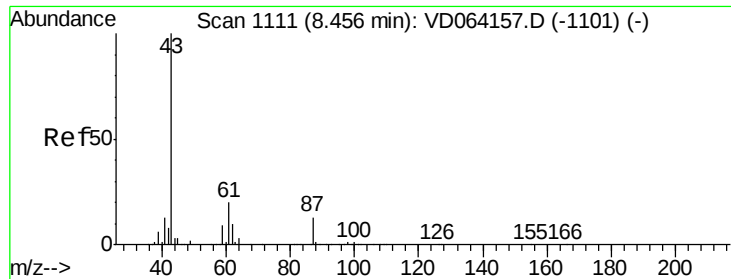
98 10.1 0.0 19.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

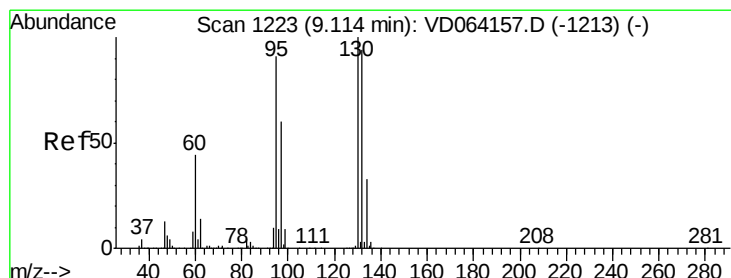
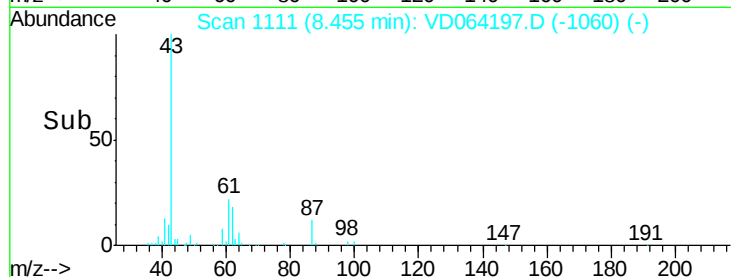
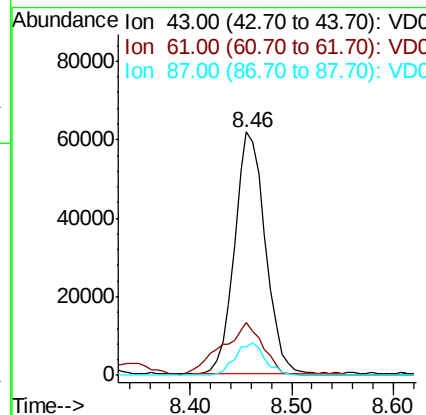
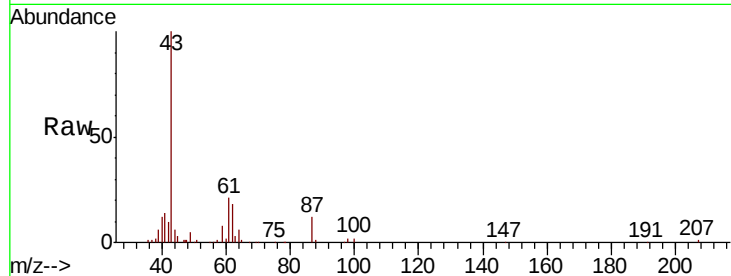
Isopropyl Acetate
 Concen: 20.149 ug/l
 RT: 8.46 min Scan# 1111
 Delta R.T. -0.00 min
 Lab File: VD064197.D
 Acq: 12 Nov 2019 15:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1112SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.1	22.9	34.3
87	13.1	10.2	15.2

Manual Integrations
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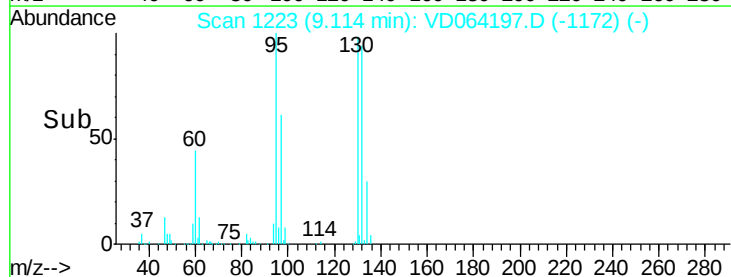
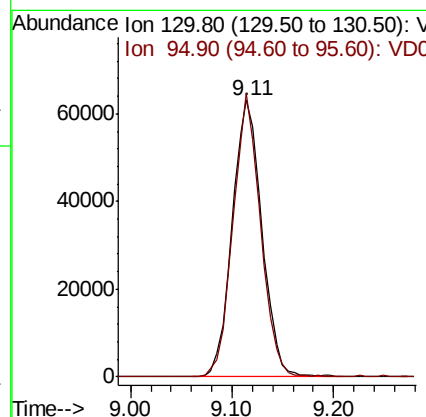
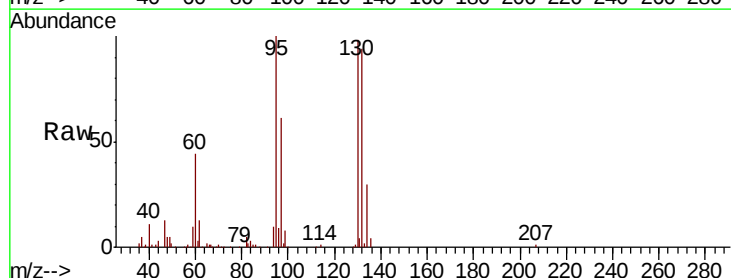
MMDadoda
 11/13/2019 9:38:56 AM

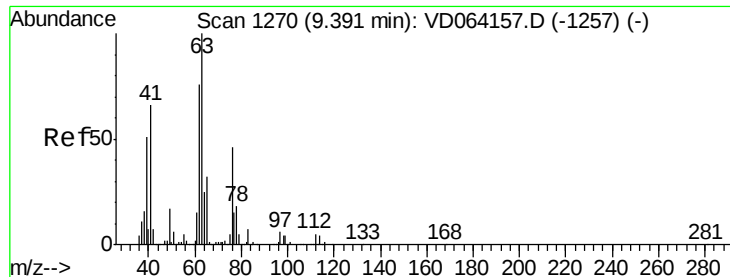


#44

Trichloroethene
 Concen: 20.956 ug/l
 RT: 9.11 min Scan# 1223
 Delta R.T. -0.00 min
 Lab File: VD064197.D
 Acq: 12 Nov 2019 15:33

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.3	0.0	181.6





#45

1,2-Dichloropropane

Concen: 21.358 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD064197.D

Acq: 12 Nov 2019 15:33

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBS01

Tot Ion: 63 Resp: 105631

Ion Ratio Lower Upper

63 100

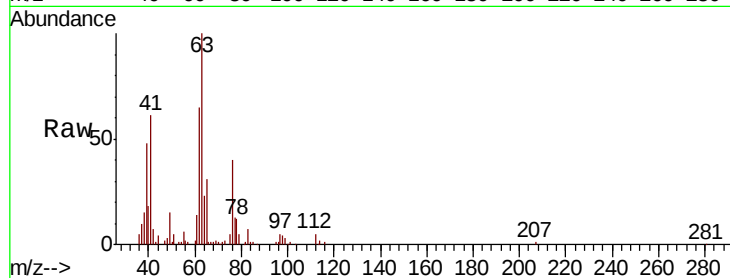
65 30.6 25.7 38.5

Manual Integrations

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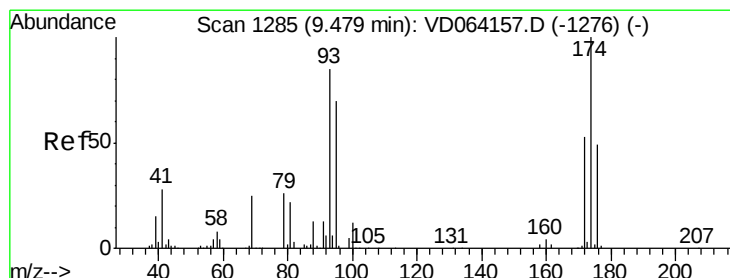
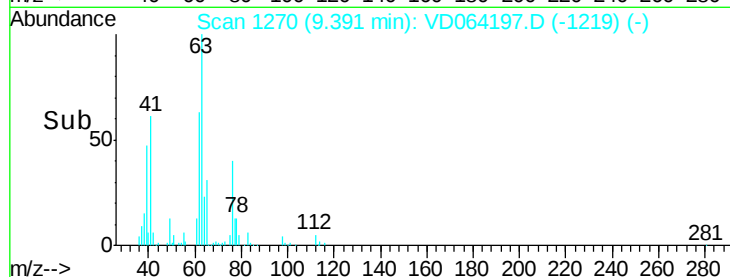
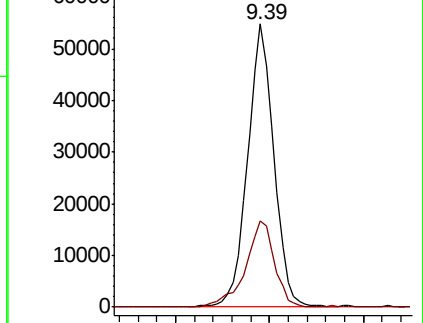
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 20.890 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD064197.D

Acq: 12 Nov 2019 15:33

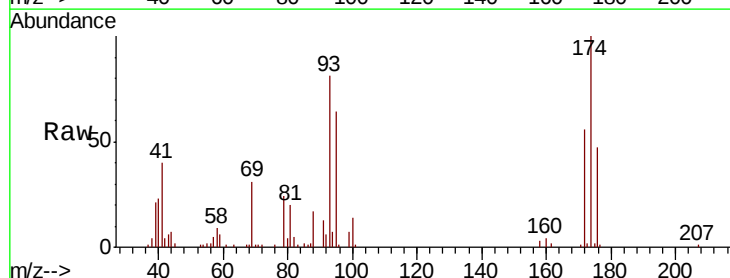
Tgt Ion: 93 Resp: 55310

Ion Ratio Lower Upper

93 100

95 82.3 65.5 98.3

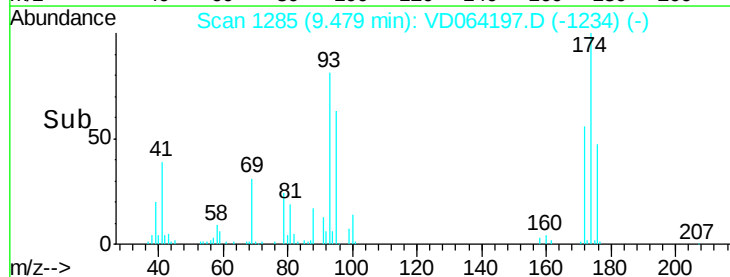
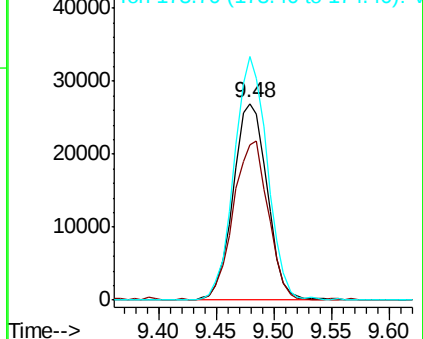
174 120.3 93.9 140.9

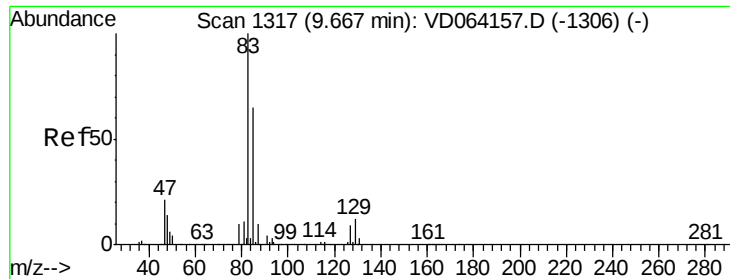


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 21.322 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD064197.D

Acq: 12 Nov 2019 15:33

Instrument :

MSVOA_D

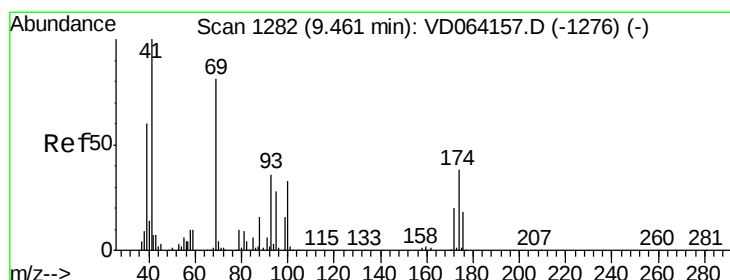
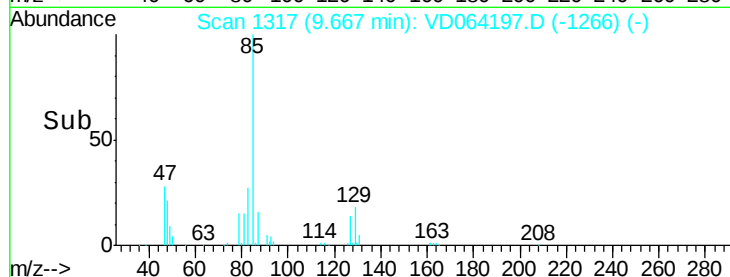
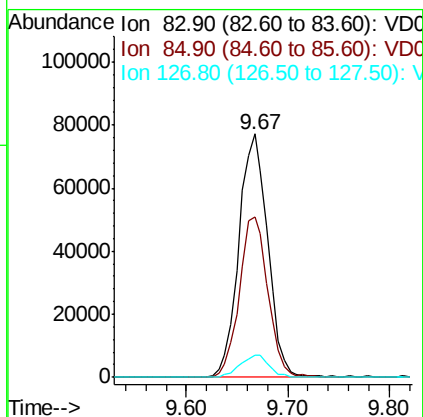
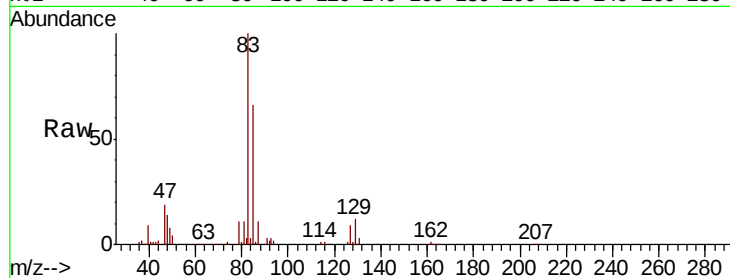
ClientSampleId :

VD1112SBS01

Tot Ion:	83	Resp:	152062
Ion	Ratio	Lower	Upper
83	100		
85	65.9	52.2	78.4
127	9.1	7.5	11.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.189 ug/l

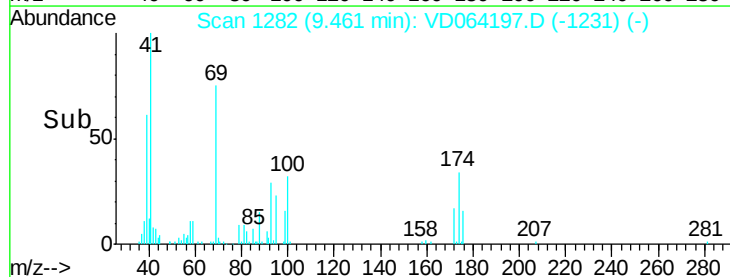
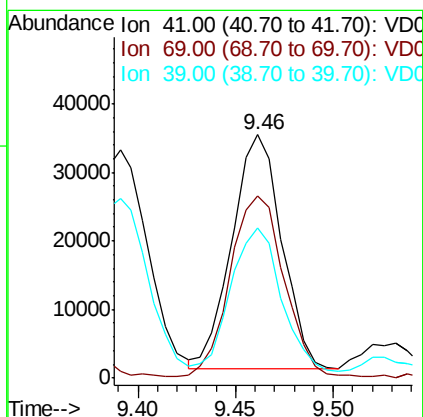
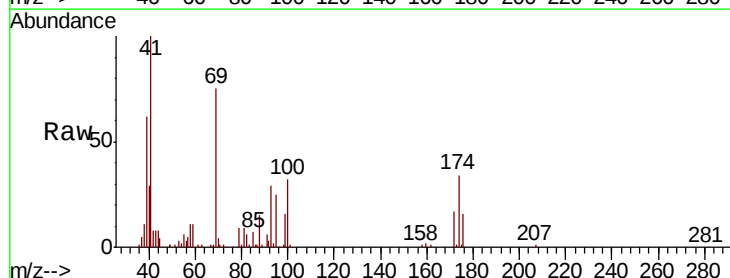
RT: 9.46 min Scan# 1282

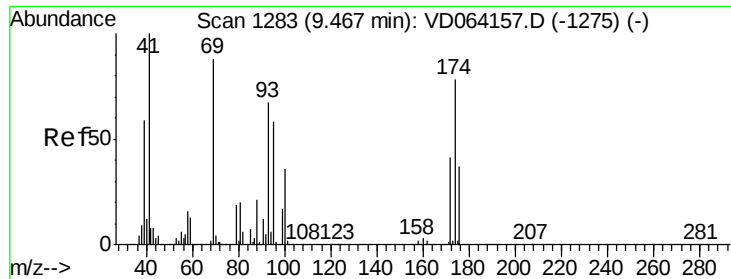
Delta R.T. -0.00 min

Lab File: VD064197.D

Acq: 12 Nov 2019 15:33

Tgt Ion:	41	Resp:	60594
Ion	Ratio	Lower	Upper
41	100		
69	85.6	64.6	97.0
39	62.1	48.2	72.2





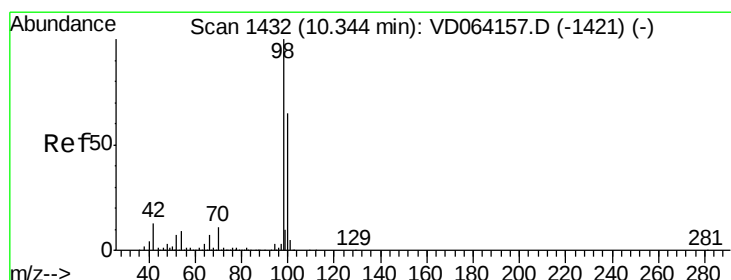
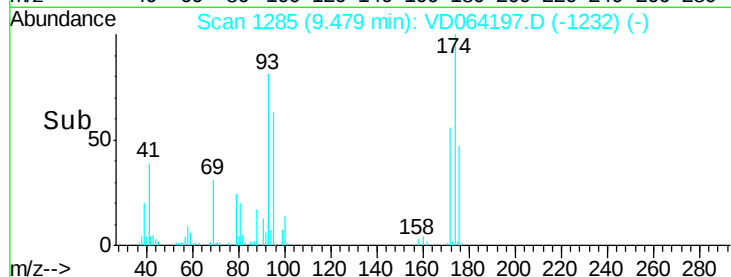
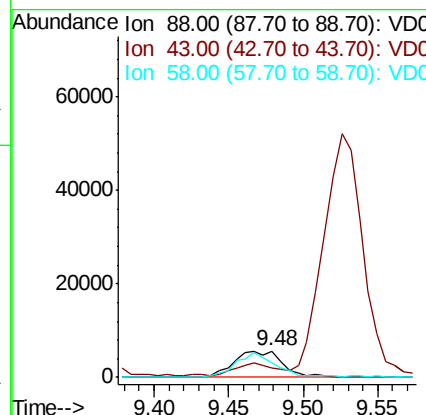
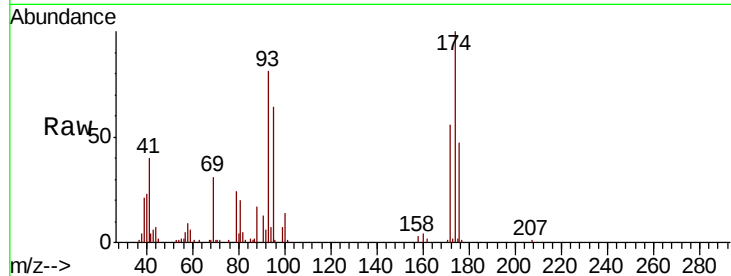
#49
1,4-Dioxane
Concen: 399.420 ug/l
RT: 9.48 min Scan# 1285
Delta R.T. 0.01 min
Lab File: VD064197.D
Acq: 12 Nov 2019 15:33

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	45.8	29.8	44.8#
58	76.5	58.1	87.1

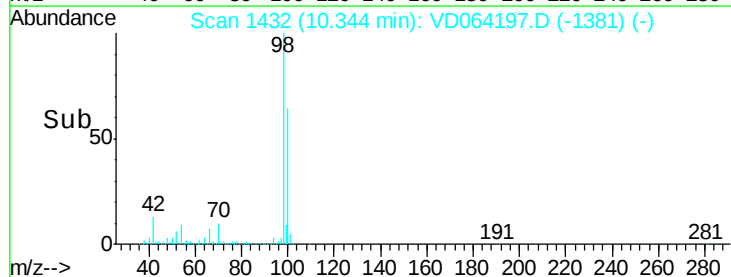
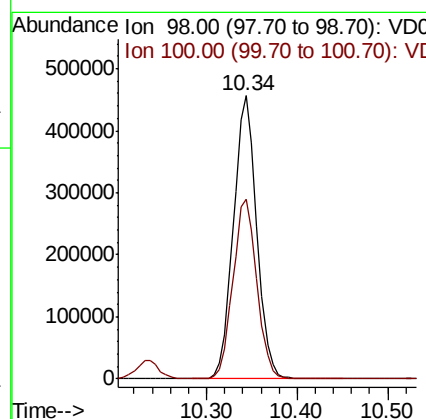
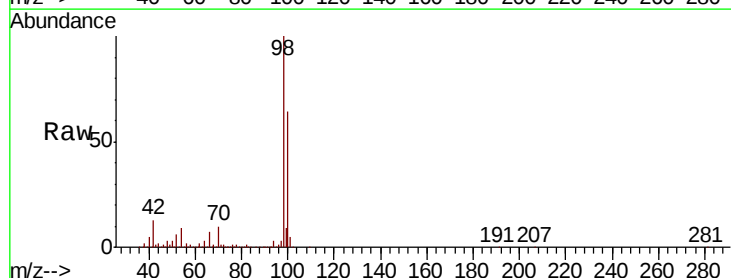
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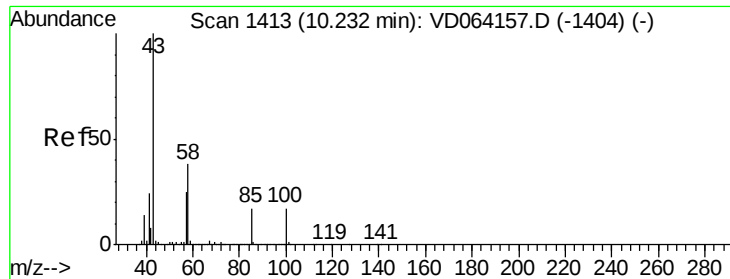
MMDadoda
11/13/2019 9:38:56 AM



#50
Toluene-d8
Concen: 46.819 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064197.D
Acq: 12 Nov 2019 15:33

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.6	78.8





#51

4-Methyl-2-Pentanone

Concen: 100.270 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD064197.D

Acq: 12 Nov 2019 15:33

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBS01

Tot Ion: 43 Resp: 310522

Ion Ratio Lower Upper

43 100

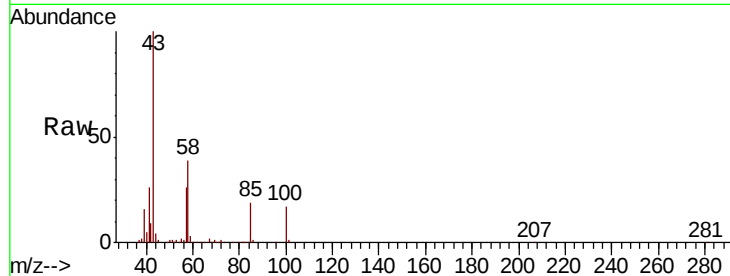
58 38.7 30.2 45.4

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

200000

150000

100000

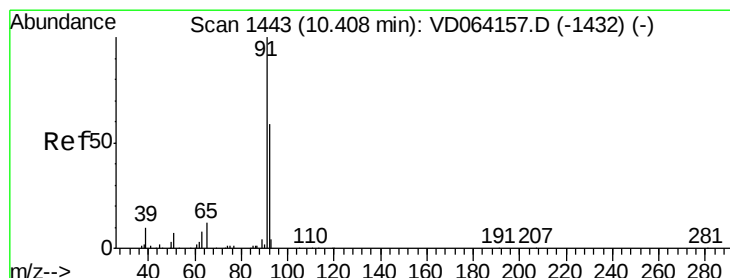
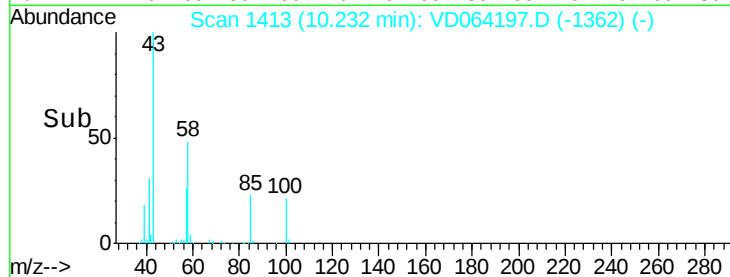
50000

0

10.20

10.30

Time-->



#52

Toluene

Concen: 20.841 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD064197.D

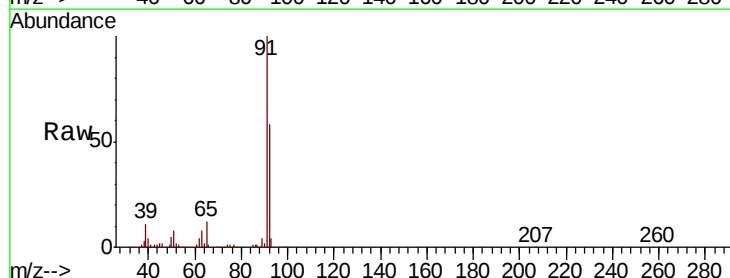
Acq: 12 Nov 2019 15:33

Tgt Ion: 92 Resp: 278465

Ion Ratio Lower Upper

92 100

91 173.9 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

300000

250000

200000

150000

100000

50000

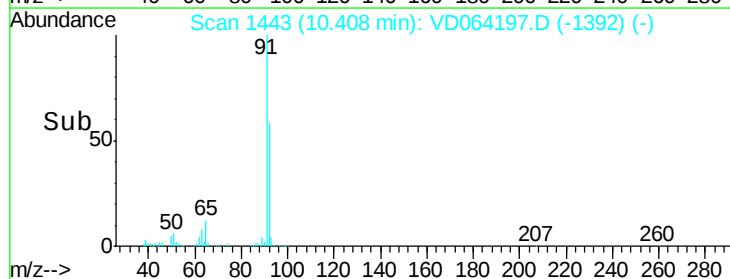
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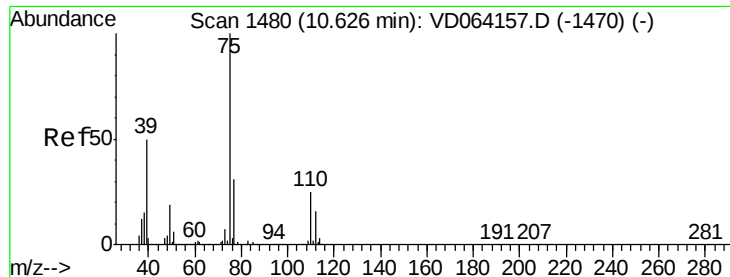
10.30

10.40

10.50

Time-->





#53

t-1,3-Dichloropropene

Concen: 20.454 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD064197.D

Acq: 12 Nov 2019 15:33

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBS01

Tot Ion: 75 Resp: 146140

Ion Ratio Lower Upper

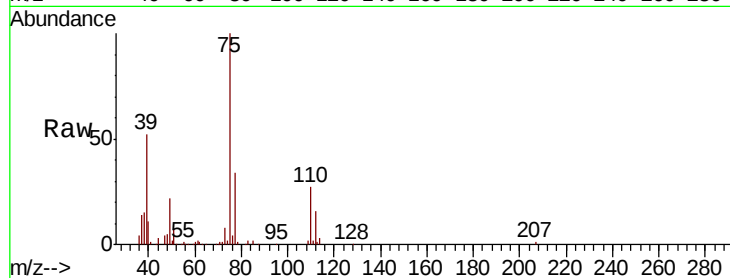
75 100

77 34.0 24.7 37.1

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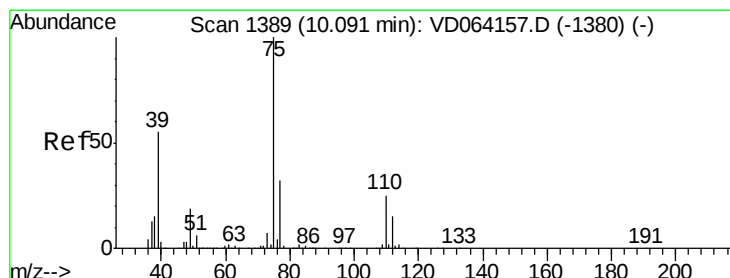
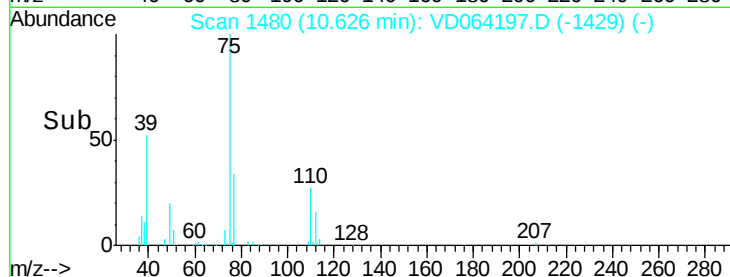
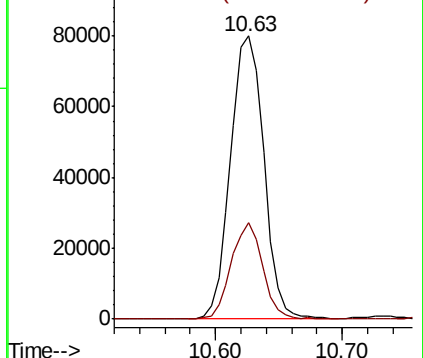
MMDadoda

11/13/2019 9:38:56 AM



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 20.688 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD064197.D

Acq: 12 Nov 2019 15:33

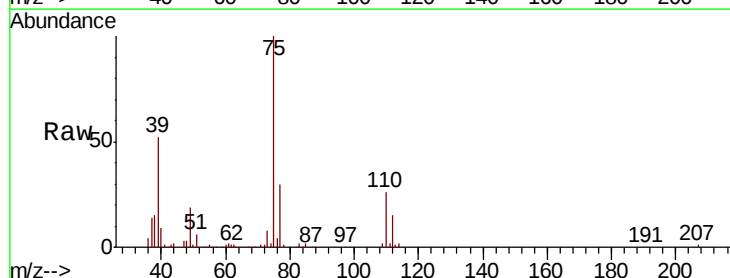
Tgt Ion: 75 Resp: 172488

Ion Ratio Lower Upper

75 100

77 29.6 25.2 37.8

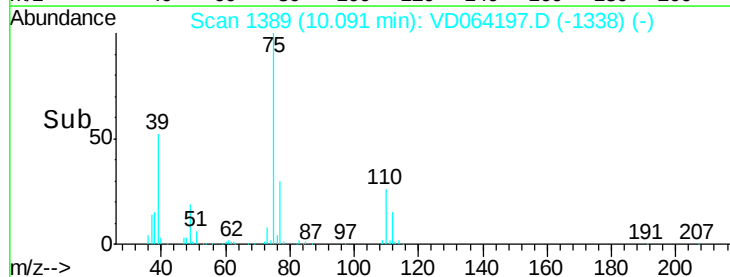
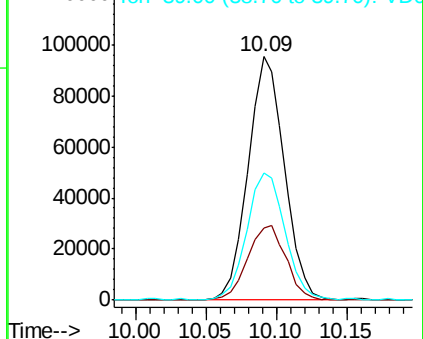
39 52.1 44.2 66.2

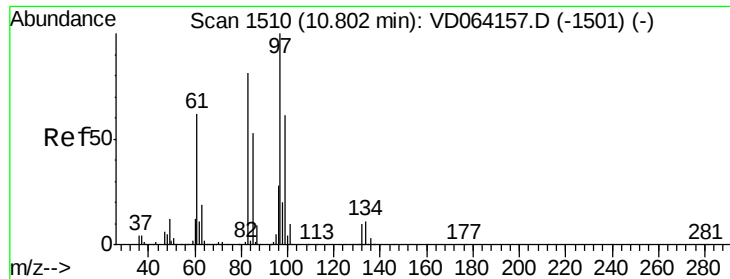


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC





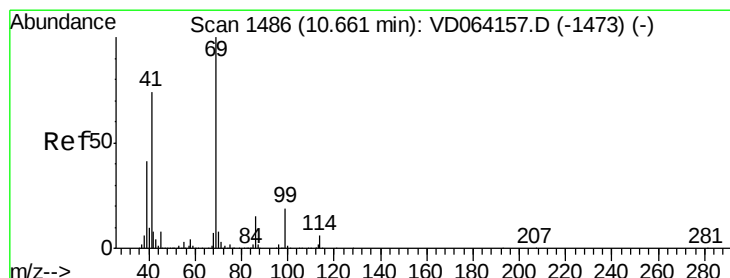
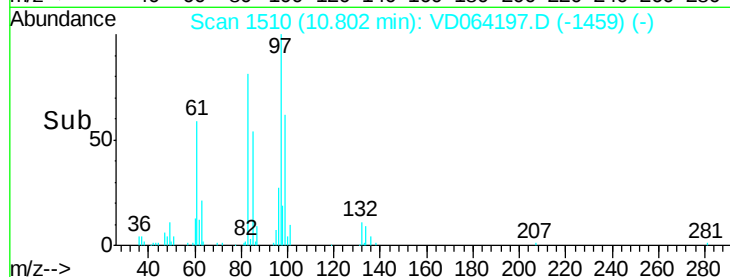
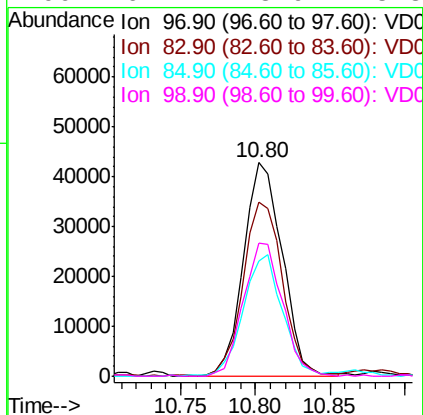
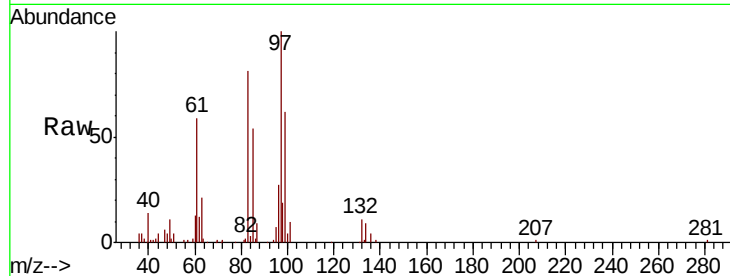
#55
 1,1,2-Trichloroethane
 Concen: 21.397 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD064197.D
 Acq: 12 Nov 2019 15:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1112SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		76854		
83	80.9	65.1	97.7		
85	53.3	42.0	63.0		
99	62.1	48.9	73.3		

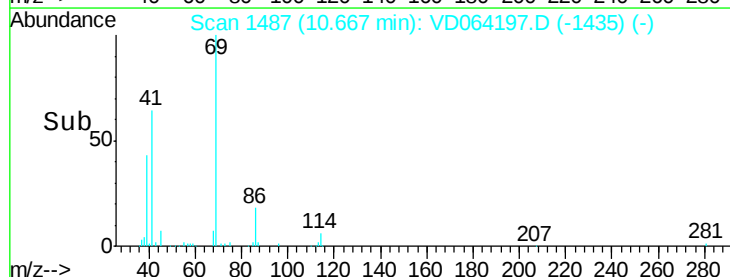
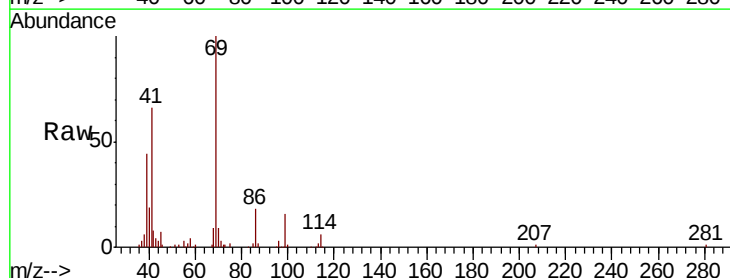
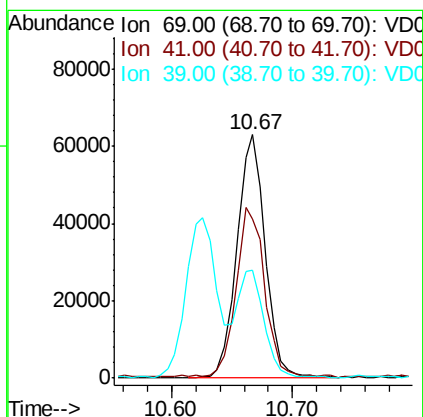
Manual Integrations
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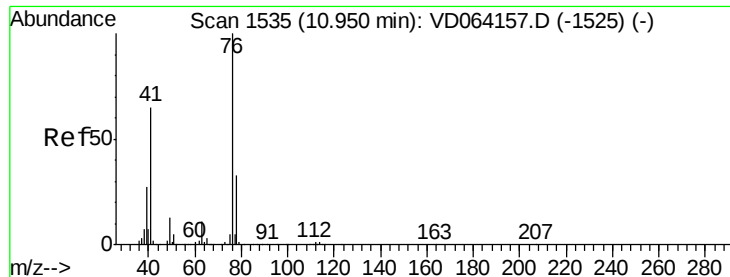
MMDadoda
 11/13/2019 9:38:56 AM



#56
 Ethyl methacrylate
 Concen: 20.512 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD064197.D
 Acq: 12 Nov 2019 15:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		103059		
41	70.9	57.9	86.9		
39	39.7	29.0	43.4		





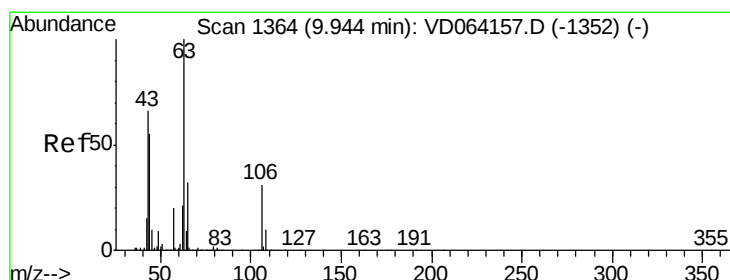
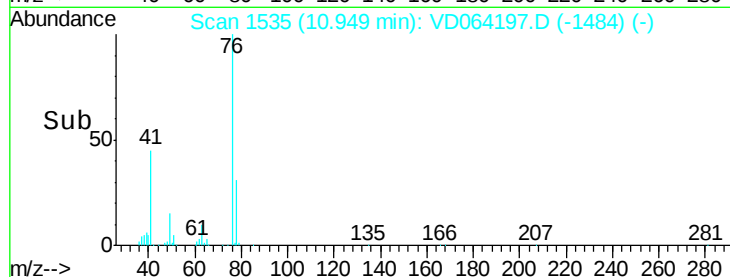
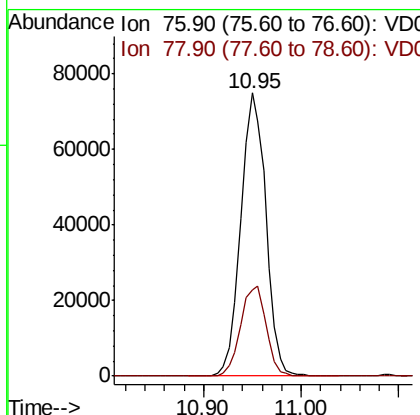
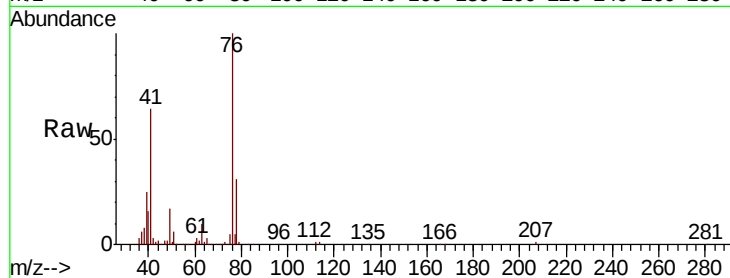
#57
 1,3-Dichloropropane
 Concen: 21.458 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD064197.D
 Acq: 12 Nov 2019 15:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1112SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.5	26.2	39.4

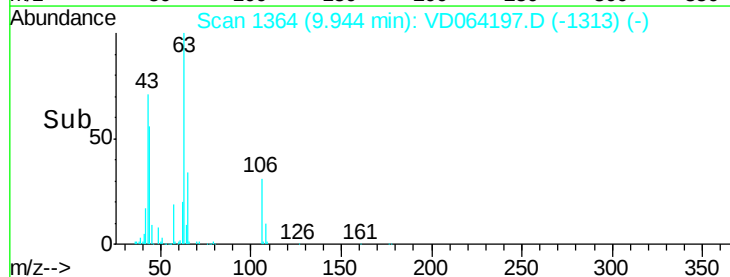
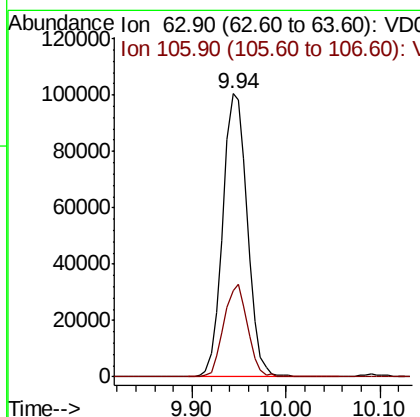
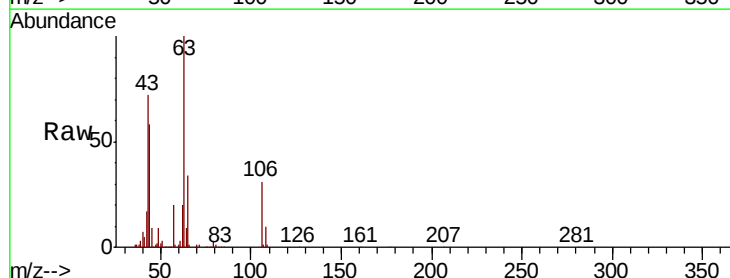
Manual Integrations
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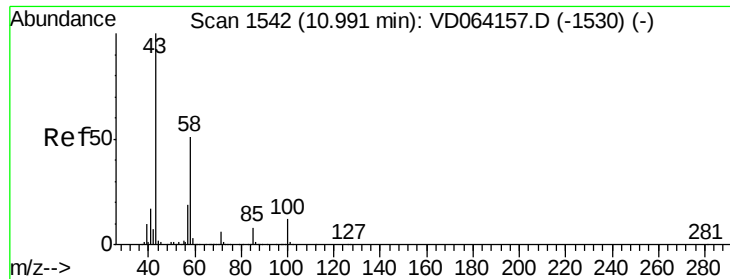
MMDadoda
 11/13/2019 9:38:56 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 90.251 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD064197.D
 Acq: 12 Nov 2019 15:33

Tgt Ion	Ratio	Lower	Upper
63	100		
106	31.7	24.1	36.1





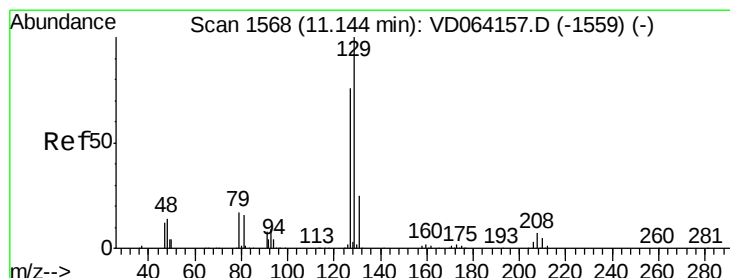
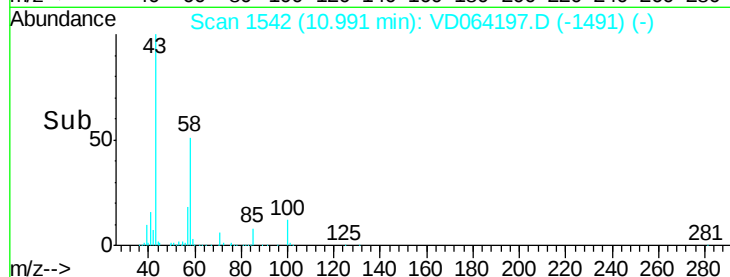
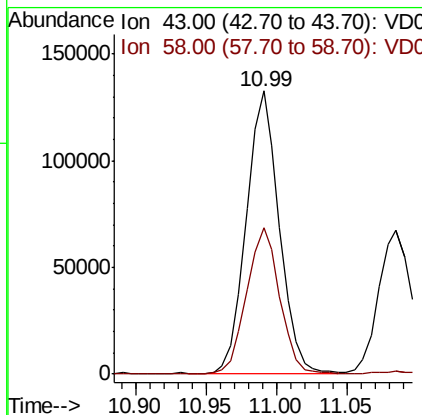
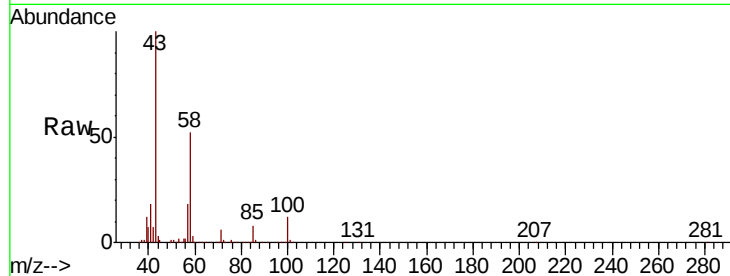
#59
2-Hexanone
Concen: 98.611 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD064197.D
Acq: 12 Nov 2019 15:33

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS01

Tot Ion: 43 Resp: 217264
Ion Ratio Lower Upper
43 100
58 52.1 25.9 77.7

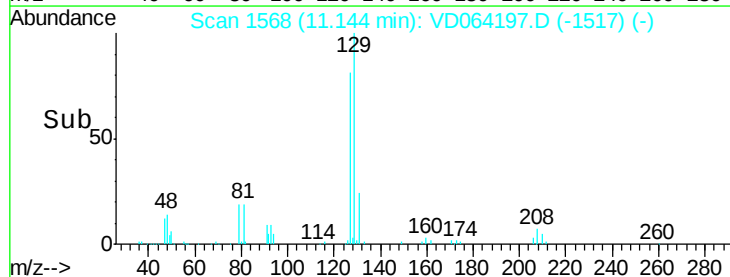
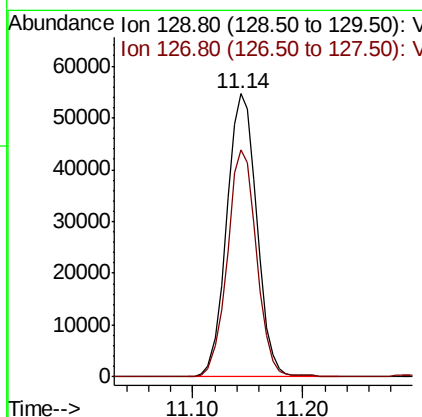
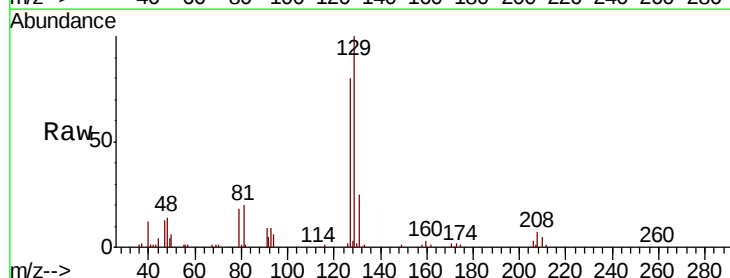
Manual Integrations
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#60
Dibromochloromethane
Concen: 20.833 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD064197.D
Acq: 12 Nov 2019 15:33

Tgt Ion: 129 Resp: 104412
Ion Ratio Lower Upper
129 100
127 77.6 38.6 115.8





#61

1,2-Dibromoethane

Concen: 21.119 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VD064197.D

Acq: 12 Nov 2019 15:33

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBS01

Tot Ion:107 Resp: 75976

Ion Ratio Lower Upper

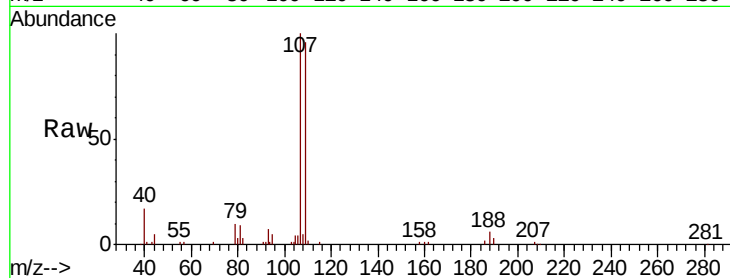
107 100

109 93.7 75.1 112.7

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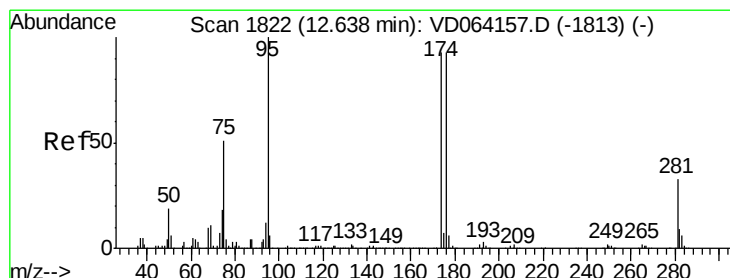
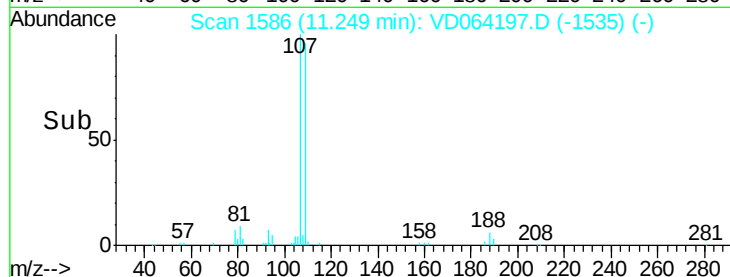
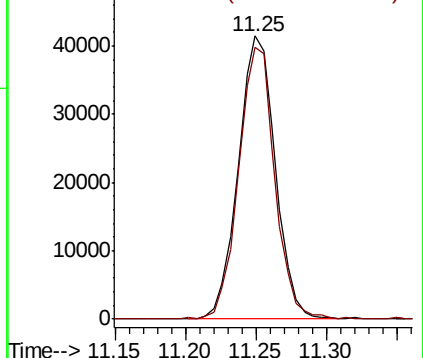
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 44.247 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD064197.D

Acq: 12 Nov 2019 15:33

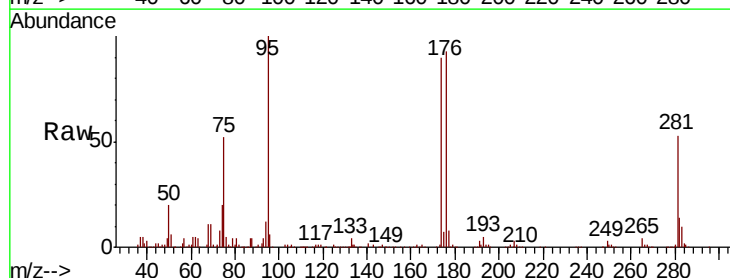
Tgt Ion: 95 Resp: 267294

Ion Ratio Lower Upper

95 100

174 95.5 0.0 183.6

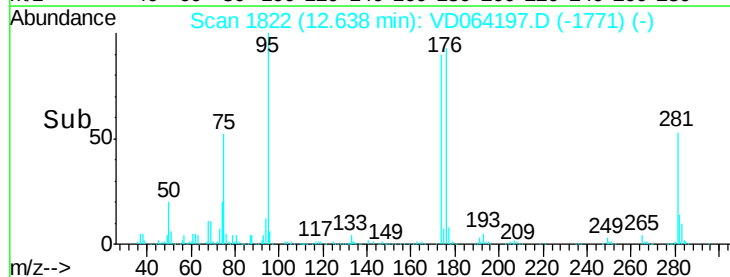
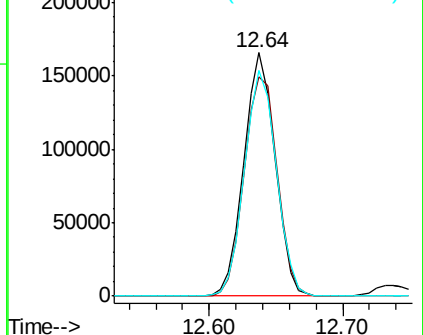
176 94.8 0.0 180.2

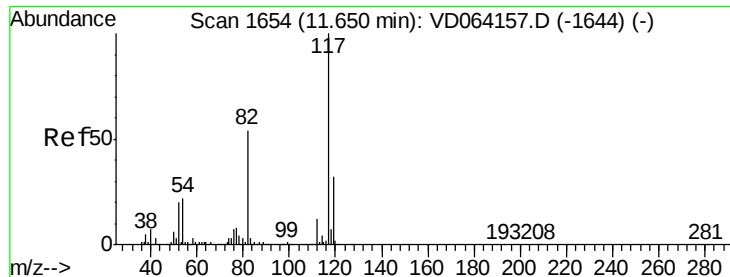


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





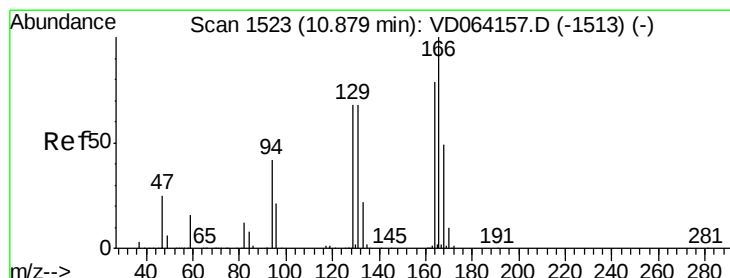
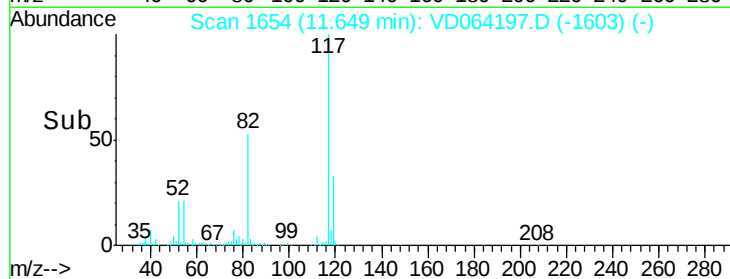
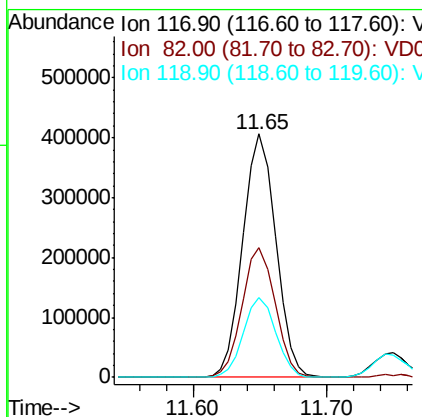
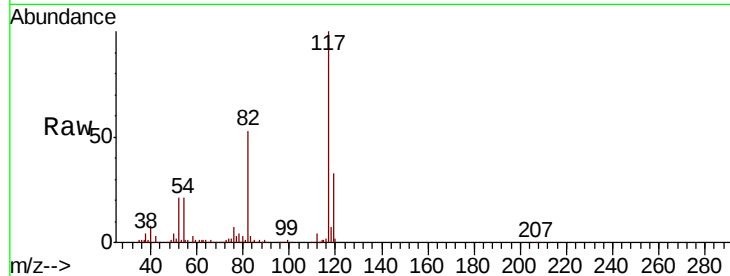
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064197.D
Acq: 12 Nov 2019 15:33

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	698557		
82	53.2		42.8	64.2
119	32.8		25.6	38.4

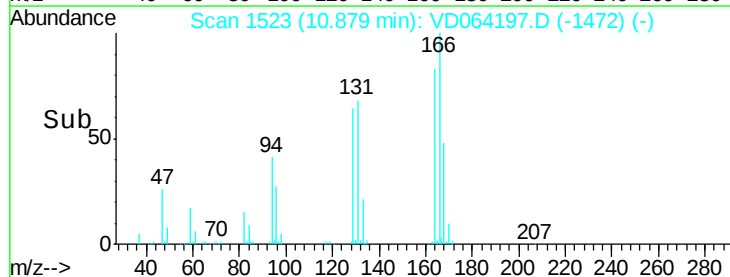
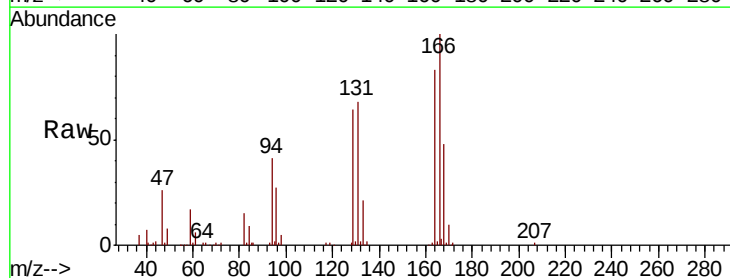
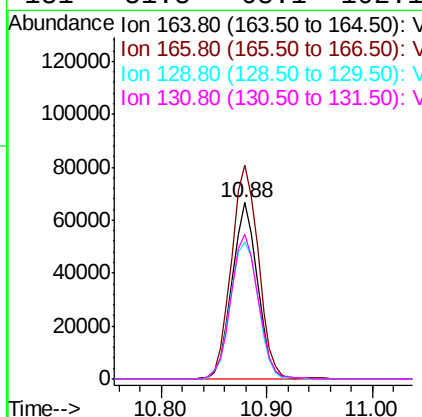
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#64
Tetrachloroethene
Concen: 20.705 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD064197.D
Acq: 12 Nov 2019 15:33

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	111241		
166	121.0		100.8	151.2
129	77.9		68.7	103.1
131	81.8		68.1	102.1





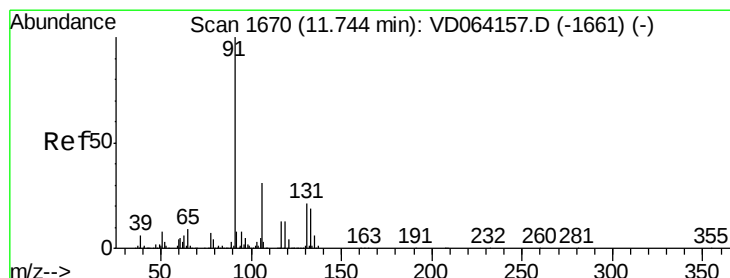
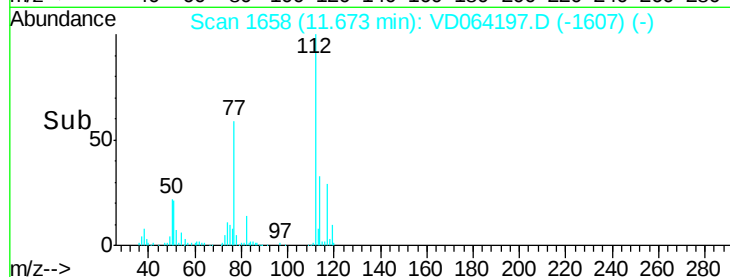
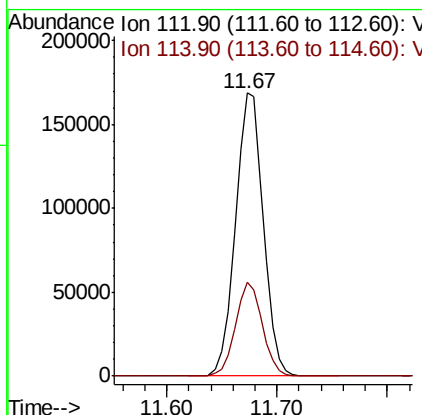
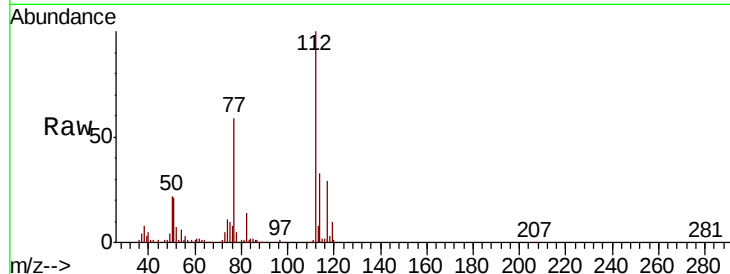
#65
Chlorobenzene
Concen: 20.964 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD064197.D
Acq: 12 Nov 2019 15:33

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.1	25.2	37.8

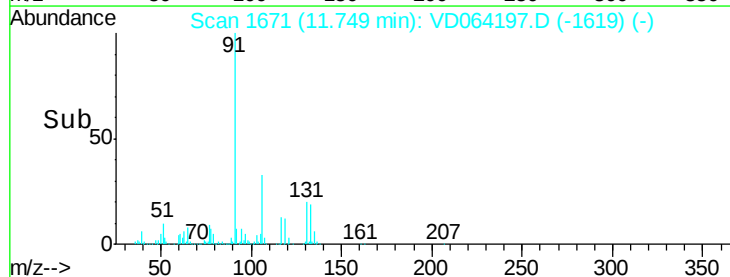
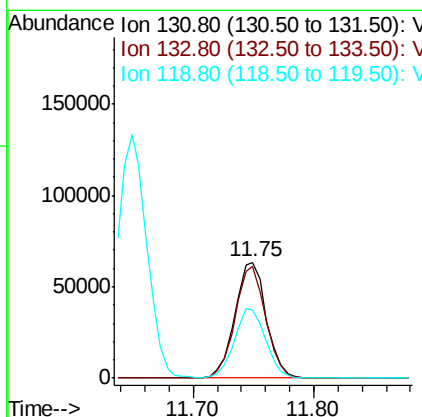
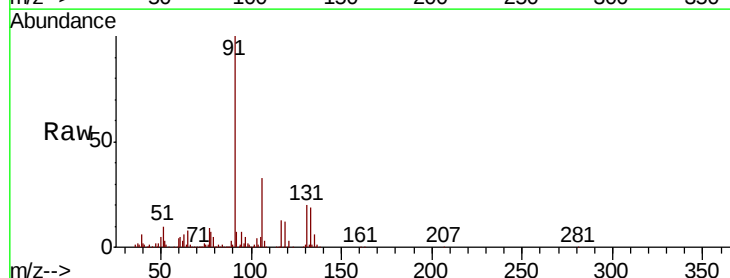
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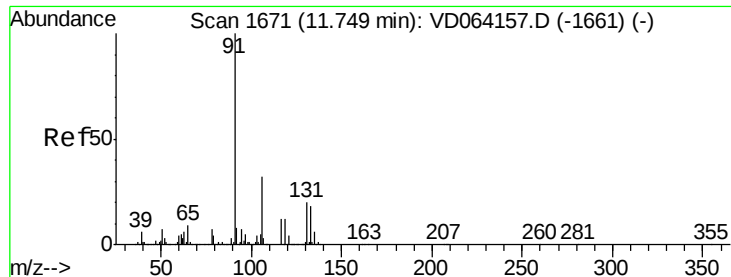
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.311 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064197.D
Acq: 12 Nov 2019 15:33

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.5	47.3	141.9
119	59.7	31.1	93.3





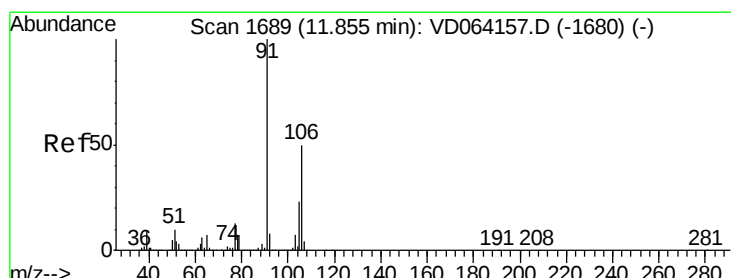
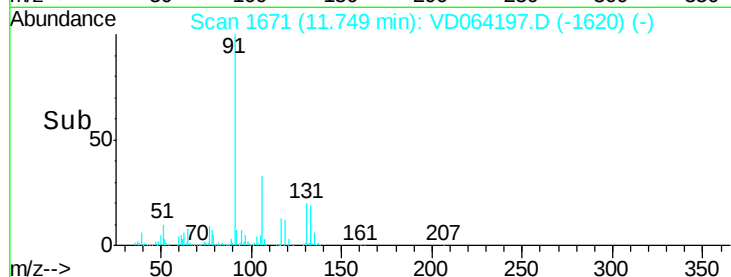
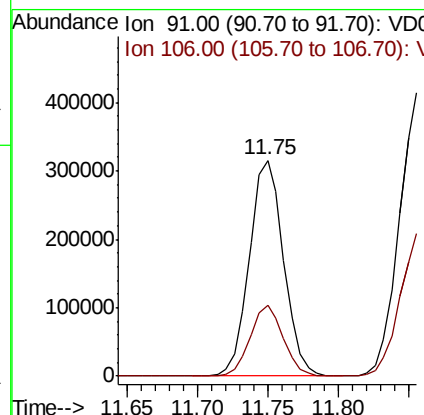
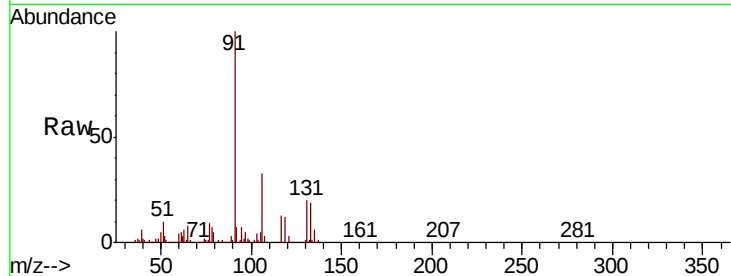
#67
Ethyl Benzene
Concen: 20.899 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD064197.D
Acq: 12 Nov 2019 15:33

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	32.8	25.5	38.3

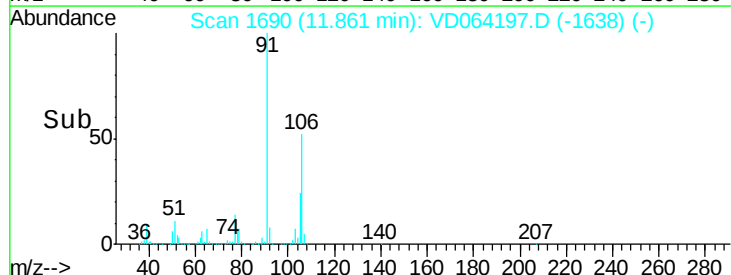
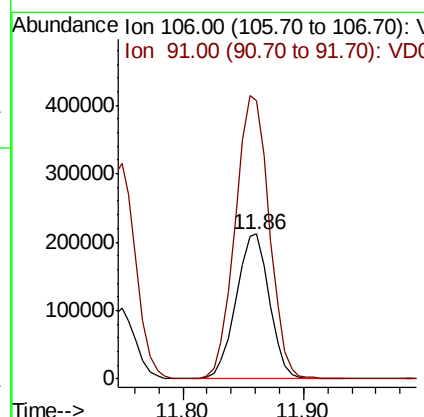
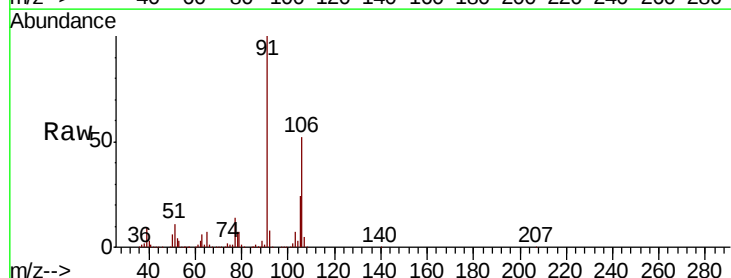
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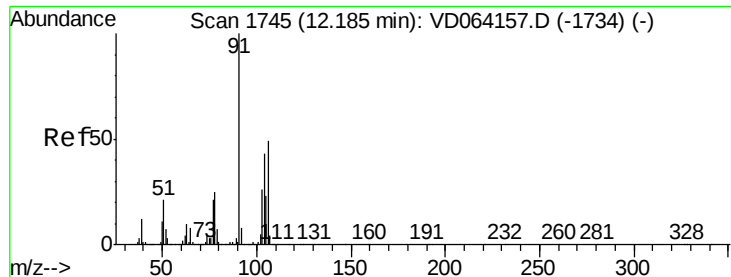
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#68
m/p-Xylenes
Concen: 41.427 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VD064197.D
Acq: 12 Nov 2019 15:33

Tgt Ion	Ratio	Lower	Upper
106	100		
91	199.1	160.3	240.5





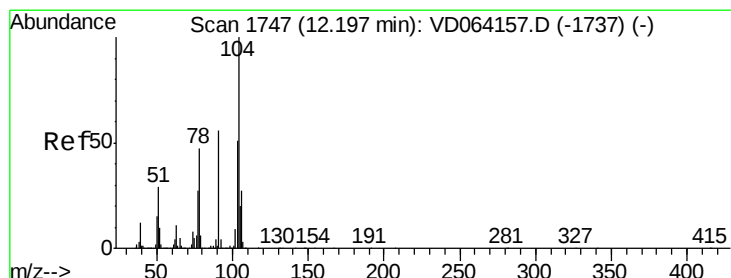
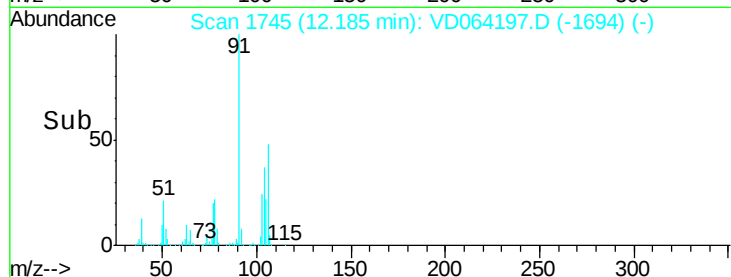
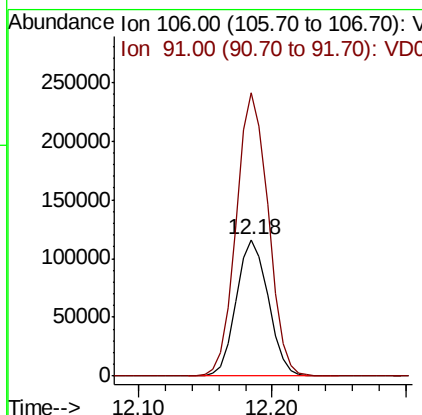
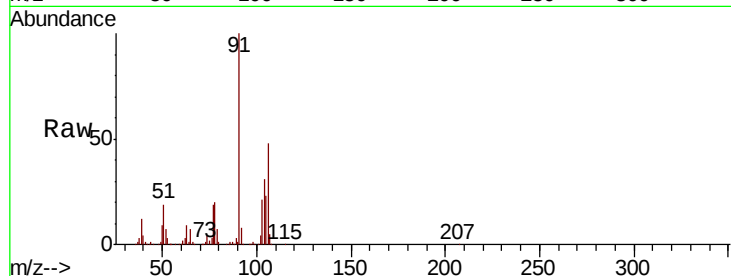
#69
o-Xylene
Concen: 21.036 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD064197.D
Acq: 12 Nov 2019 15:33

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	208.5	105.1	315.3

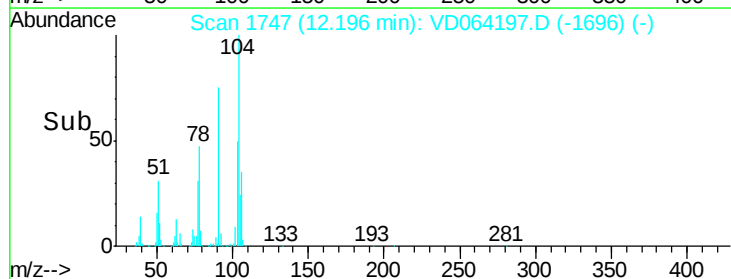
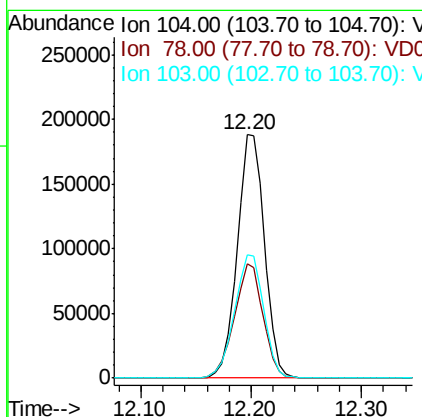
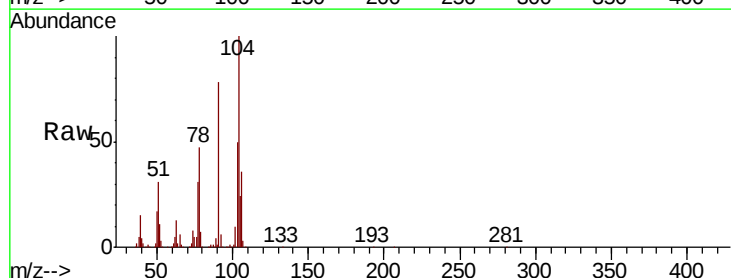
Manual Integrations
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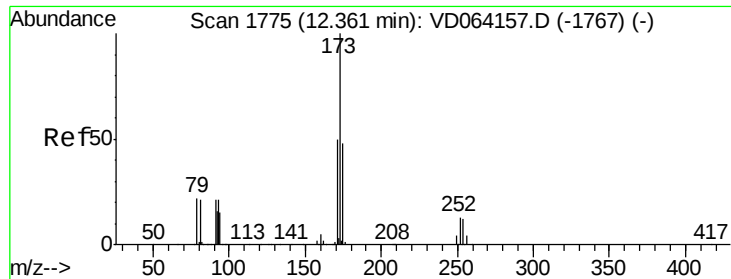
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#70
Styrene
Concen: 20.517 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD064197.D
Acq: 12 Nov 2019 15:33

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.0	39.9	59.9
103	54.2	43.4	65.0





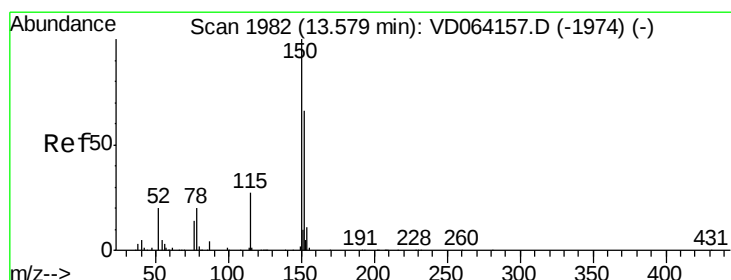
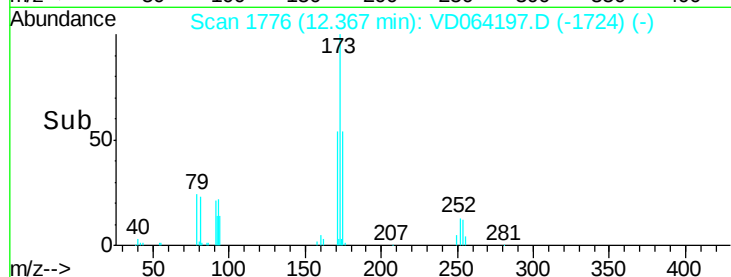
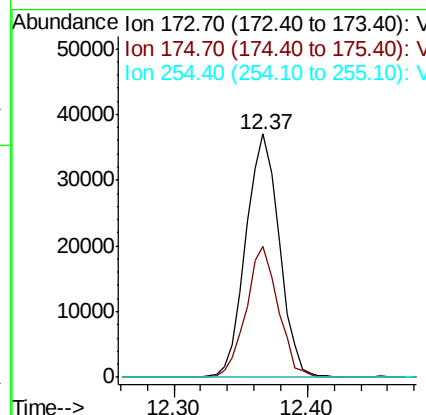
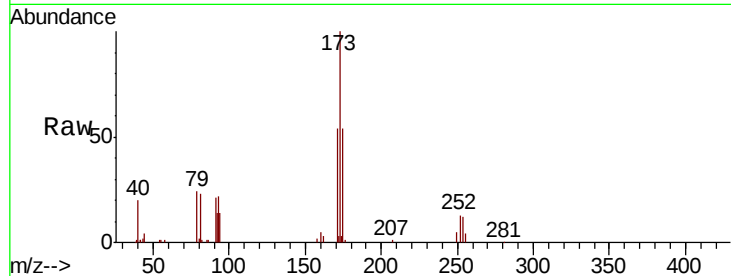
#71
Bromoform
Concen: 20.789 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.01 min
Lab File: VD064197.D
Acq: 12 Nov 2019 15:33

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	51.5	24.1	72.3
254	0.0	0.2	0.2

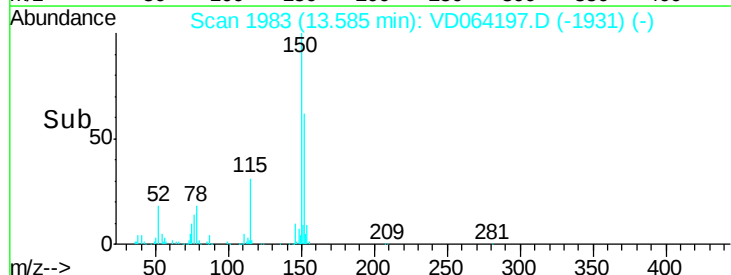
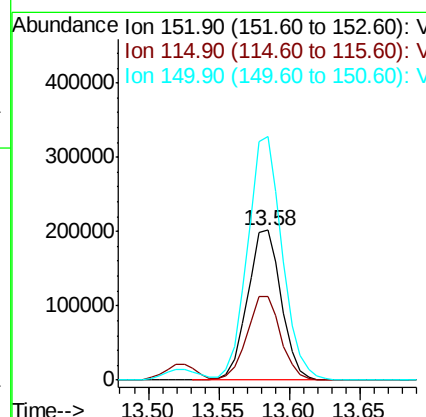
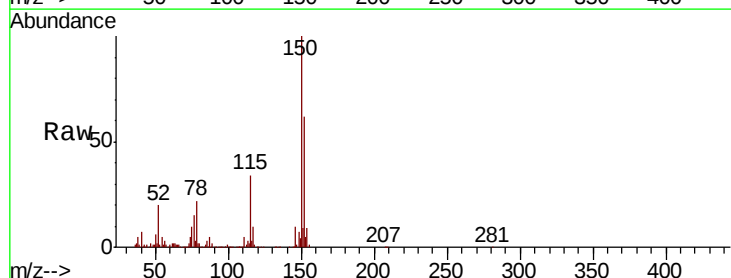
Manual Integrations
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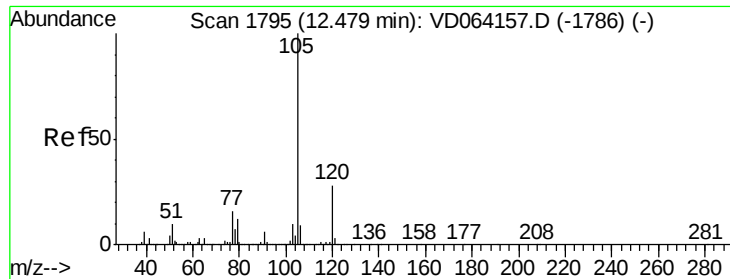
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD064197.D
Acq: 12 Nov 2019 15:33

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.5	27.4	82.2
150	167.1	0.0	351.6





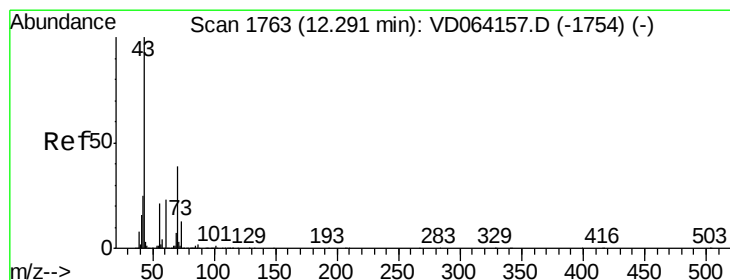
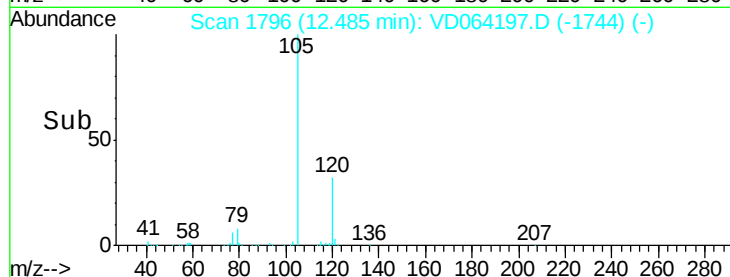
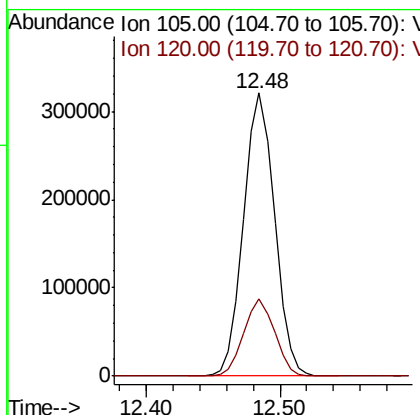
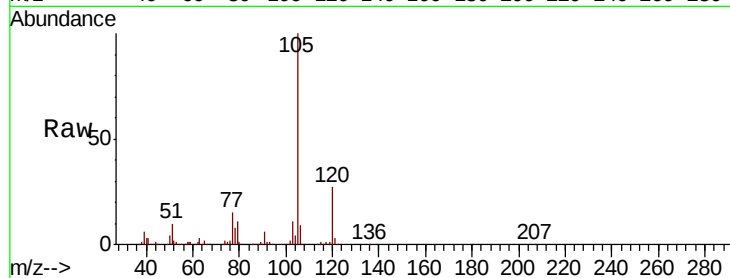
#73
Isopropylbenzene
Concen: 20.769 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.01 min
Lab File: VD064197.D
Acq: 12 Nov 2019 15:33

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.3	13.6	40.8

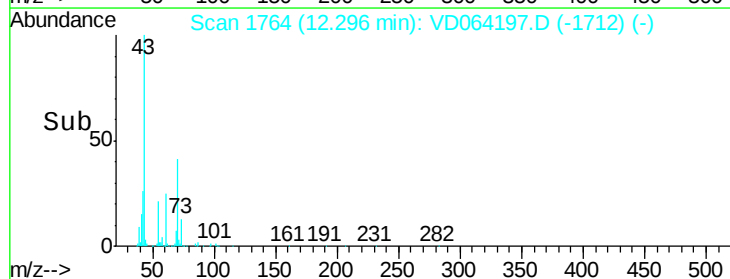
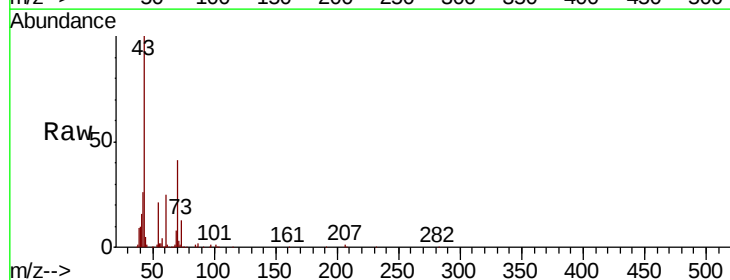
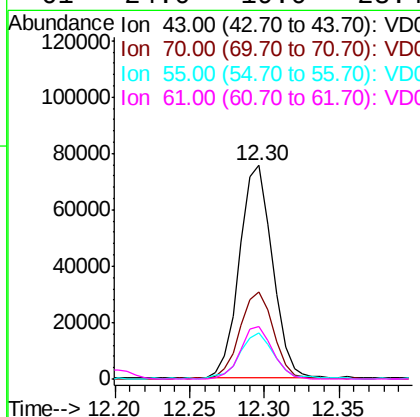
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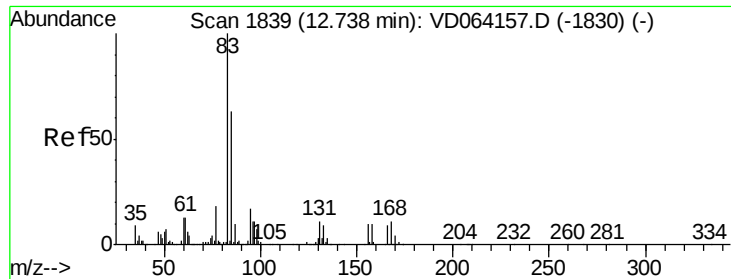
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#74
N-ethyl acetate
Concen: 19.915 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. 0.01 min
Lab File: VD064197.D
Acq: 12 Nov 2019 15:33

Tgt Ion	Ratio	Lower	Upper
43	100		
70	42.5	32.4	48.6
55	23.0	17.9	26.9
61	24.0	19.0	28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 21.055 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD064197.D

Acq: 12 Nov 2019 15:33

Instrument :

MSVOA_D

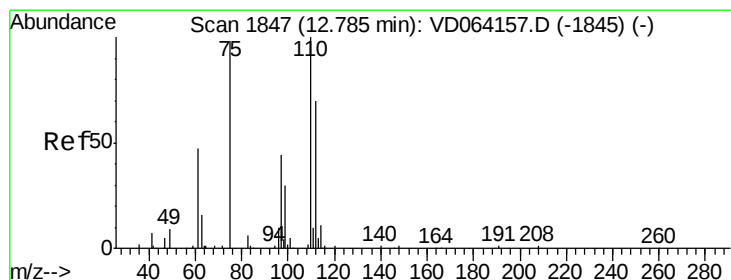
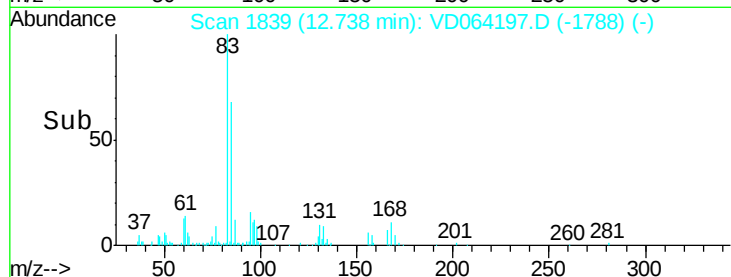
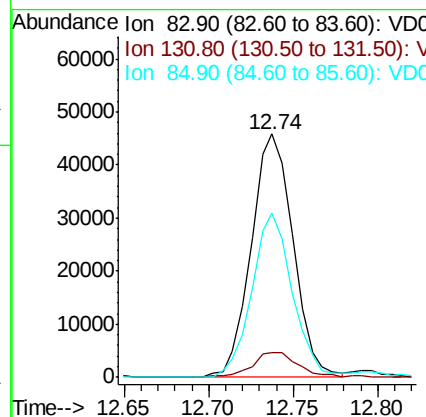
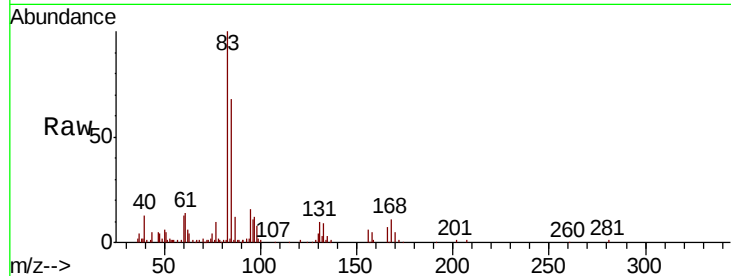
ClientSampleId :

VD1112SBS01

Tot Ion:	83	Resp:	78684
Ion	Ratio	Lower	Upper
83	100		
131	11.5	5.9	17.7
85	65.4	32.5	97.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 18.566 ug/l m

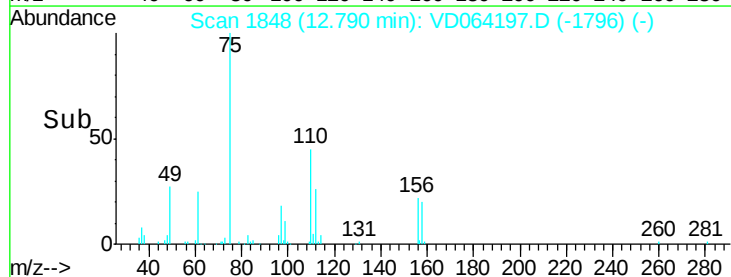
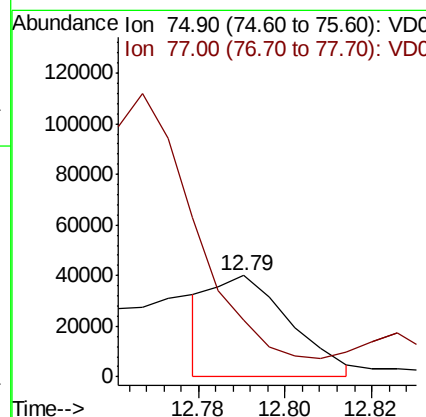
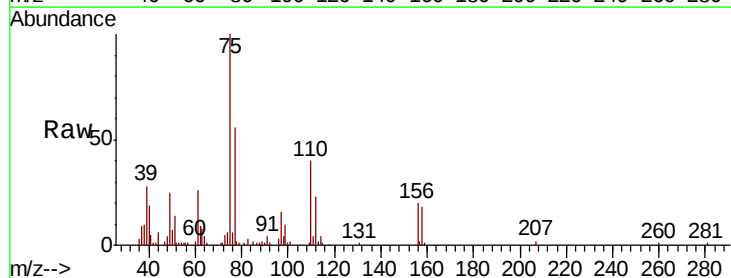
RT: 12.79 min Scan# 1848

Delta R.T. 0.01 min

Lab File: VD064197.D

Acq: 12 Nov 2019 15:33

Tgt Ion:	75	Resp:	50530
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.331 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD064197.D

Acq: 12 Nov 2019 15:33

Instrument :

MSVOA_D

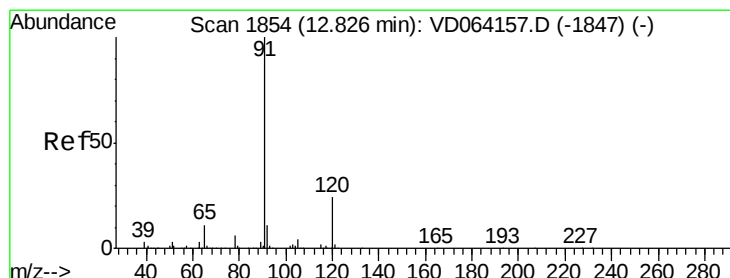
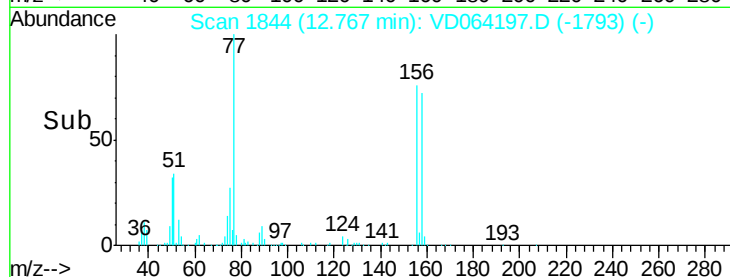
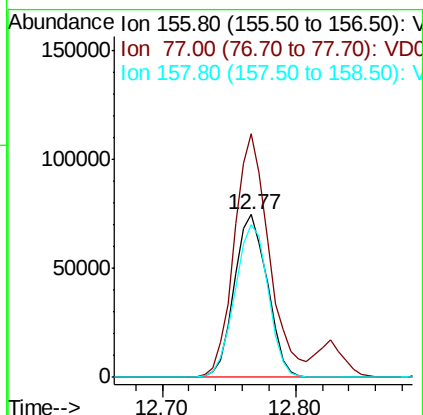
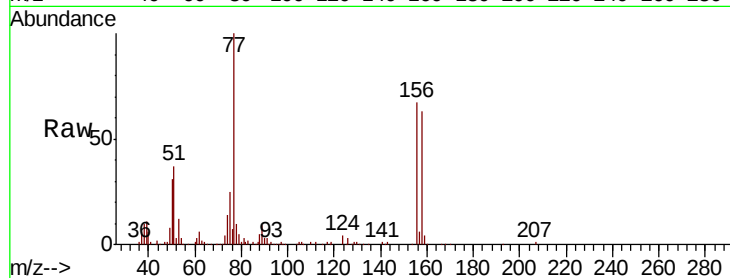
ClientSampleId :

VD1112SBS01

Tot Ion:	156	Resp:	128525
Ion Ratio	Lower	Upper	
156	100		
77	158.6	81.2	243.4
158	94.3	48.4	145.2

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#78

n-propylbenzene

Concen: 20.616 ug/l

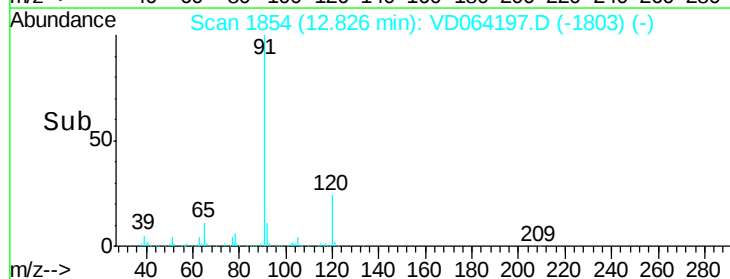
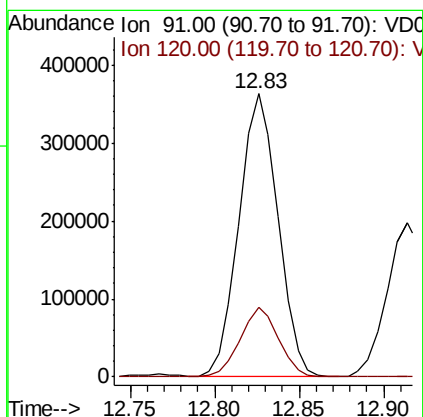
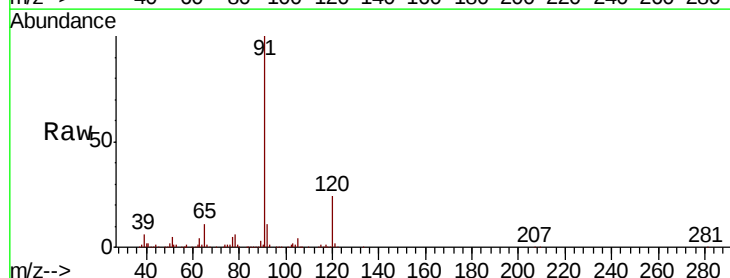
RT: 12.83 min Scan# 1854

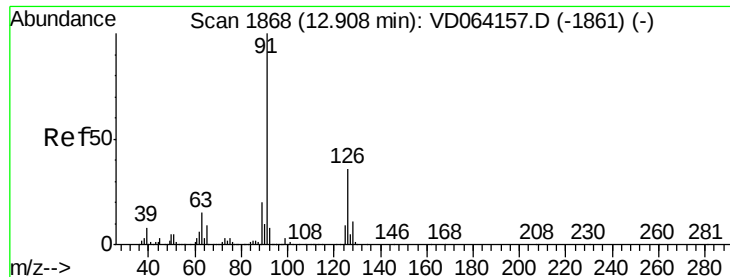
Delta R.T. -0.00 min

Lab File: VD064197.D

Acq: 12 Nov 2019 15:33

Tgt Ion:	91	Resp:	584163
Ion Ratio	Lower	Upper	
91	100		
120	24.0	11.8	35.4





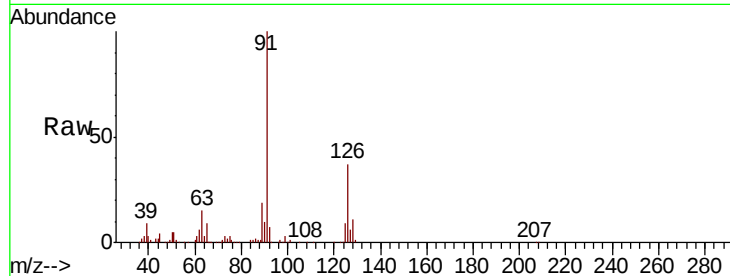
#79
2-Chlorotoluene
Concen: 20.814 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.01 min
Lab File: VD064197.D
Acq: 12 Nov 2019 15:33

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS01

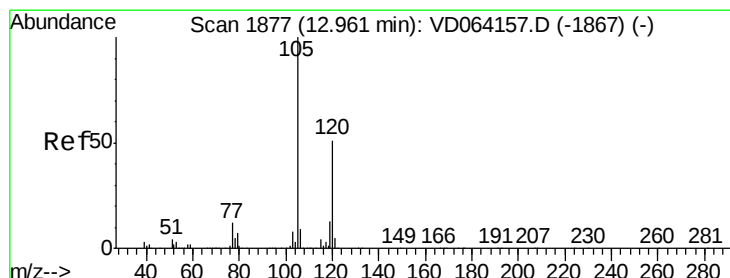
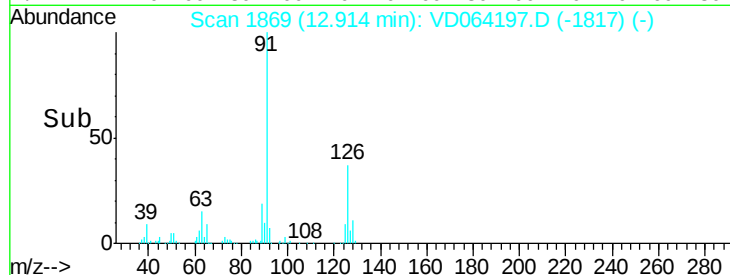
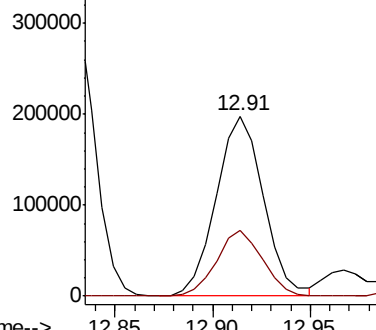
Tot Ion: 91 Resp: 332985
Ion Ratio Lower Upper
91 100
126 35.3 17.7 53.1

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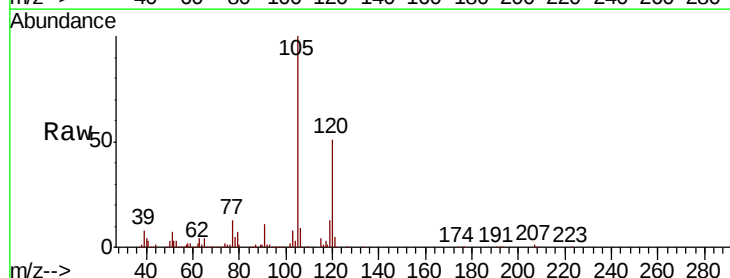


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 125.90 (125.60 to 126.60): V

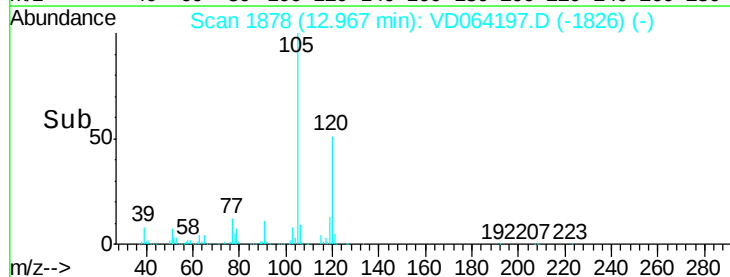
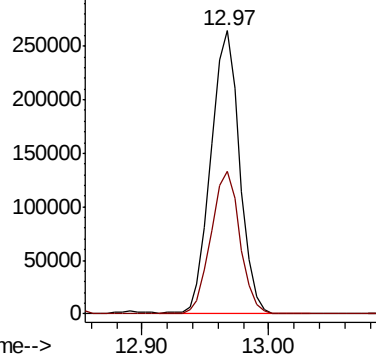


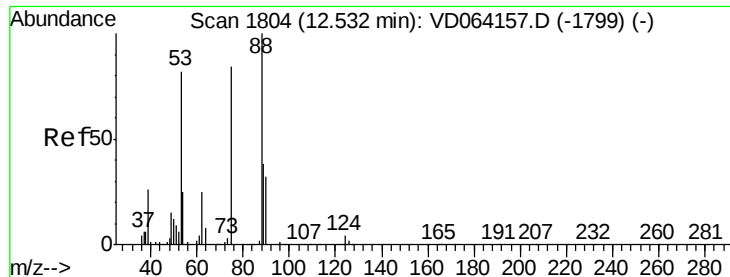
#80
1,3,5-Trimethylbenzene
Concen: 20.393 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.01 min
Lab File: VD064197.D
Acq: 12 Nov 2019 15:33

Tgt Ion: 105 Resp: 415585
Ion Ratio Lower Upper
105 100
120 50.6 25.4 76.4



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





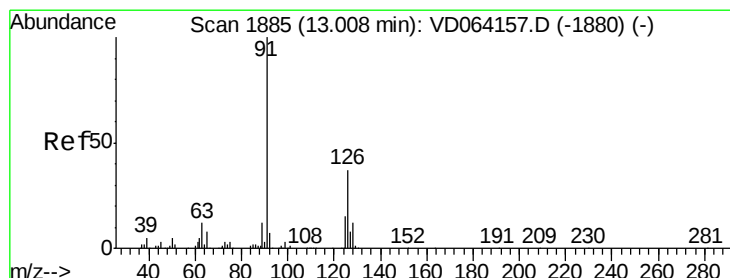
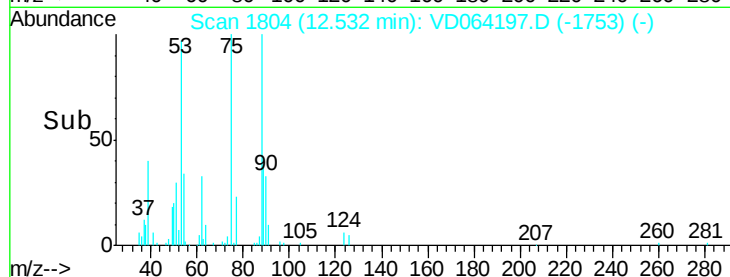
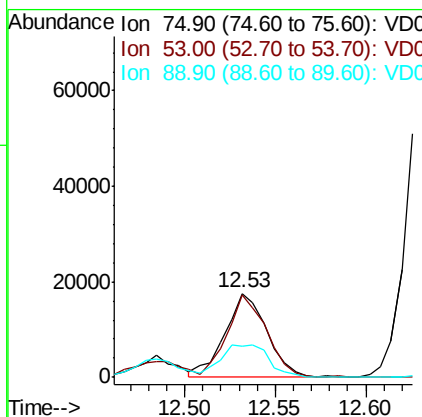
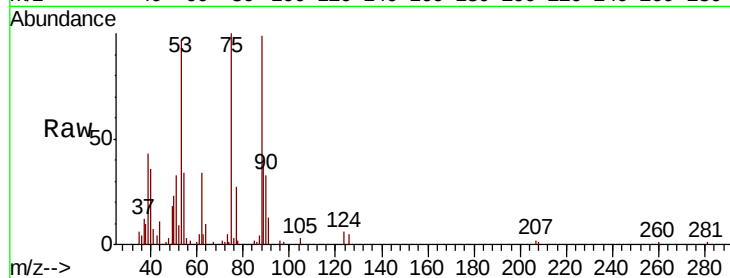
#81
trans-1,4-Dichloro-2-butene
Concen: 20.643 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VD064197.D
Acq: 12 Nov 2019 15:33

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	93.2	79.4	119.0
89	44.2	36.6	55.0

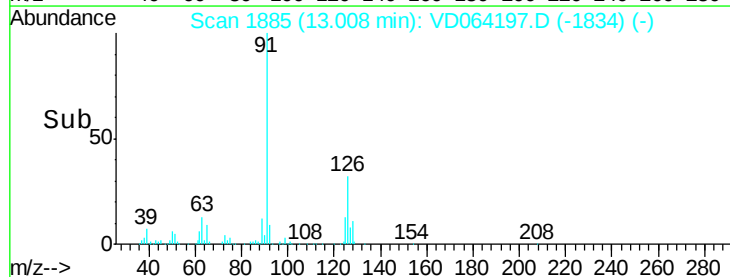
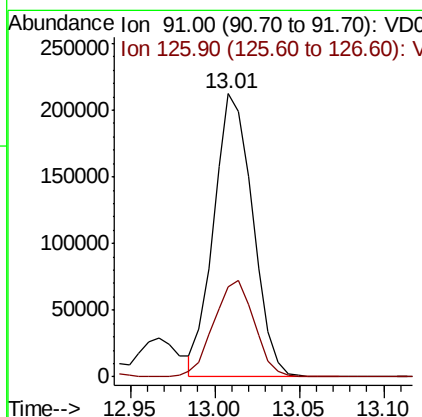
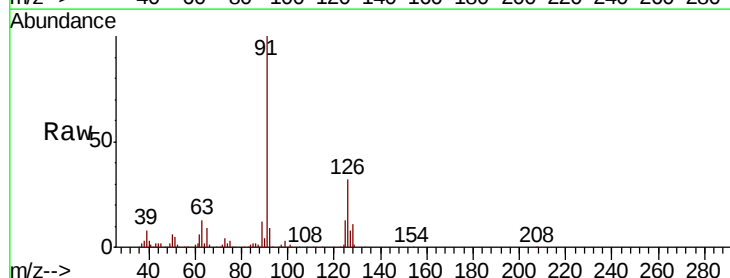
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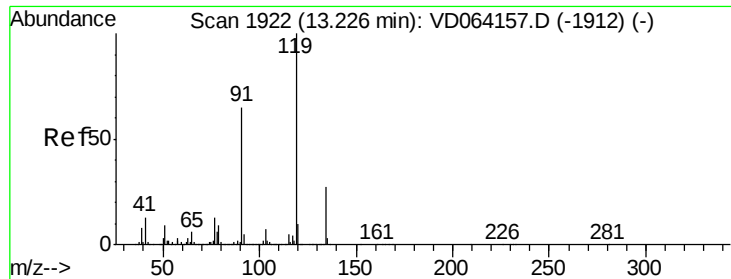
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#82
4-Chlorotoluene
Concen: 20.463 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VD064197.D
Acq: 12 Nov 2019 15:33

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.4	17.8	53.4





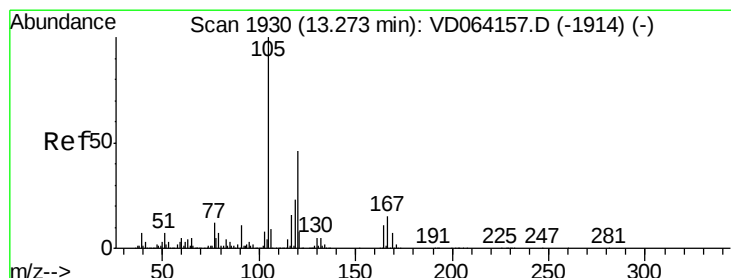
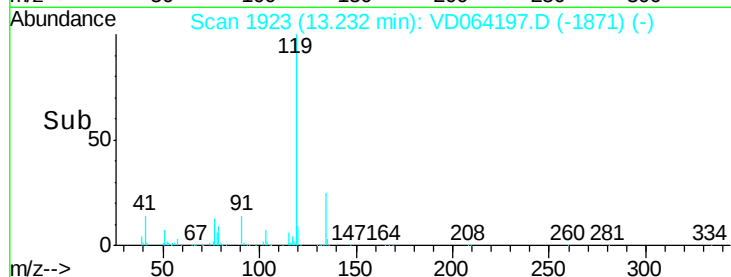
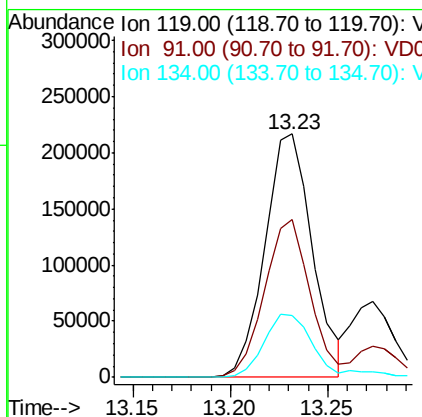
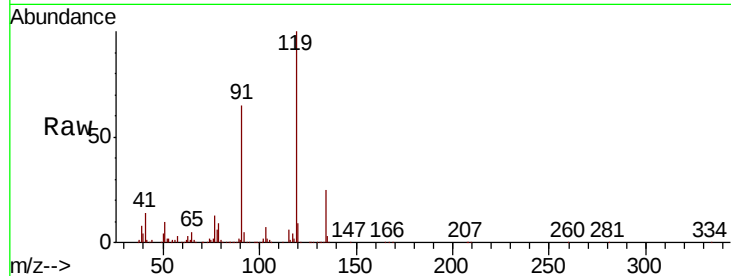
#83
tert-Butylbenzene
Concen: 20.311 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.01 min
Lab File: VD064197.D
Acq: 12 Nov 2019 15:33

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	364992		
91	62.2	31.8	95.4	
134	26.7	13.7	41.0	

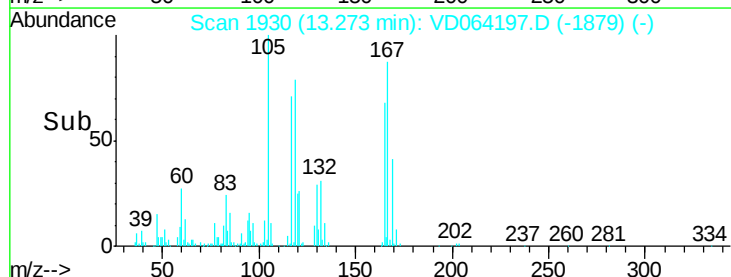
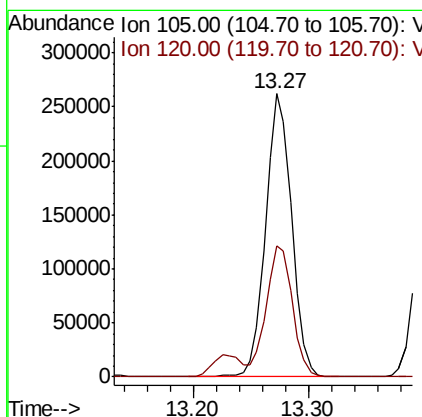
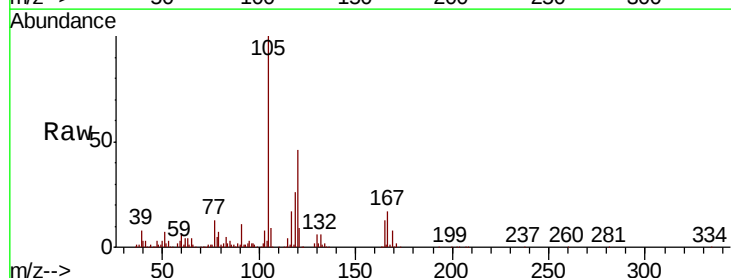
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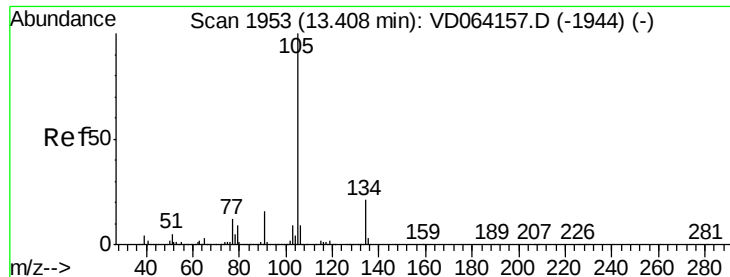
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#84
1,2,4-Trimethylbenzene
Concen: 20.504 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD064197.D
Acq: 12 Nov 2019 15:33

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	412532		
120	47.2	23.3	69.8	





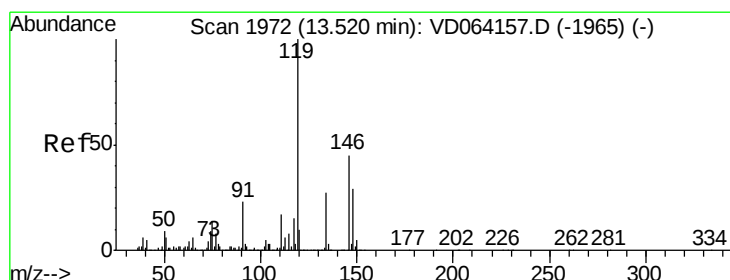
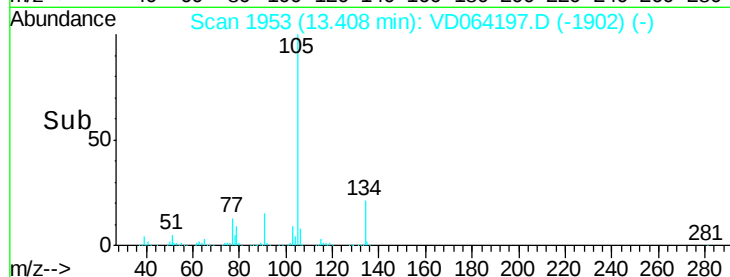
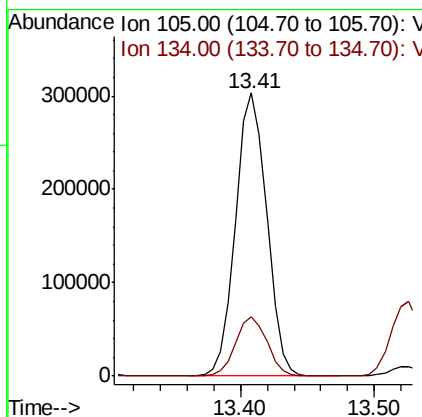
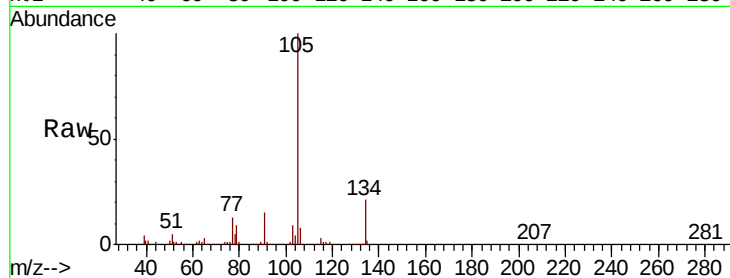
#85
 sec-Butylbenzene
 Concen: 20.372 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.00 min
 Lab File: VD064197.D
 Acq: 12 Nov 2019 15:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1112SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.2	10.7	31.9

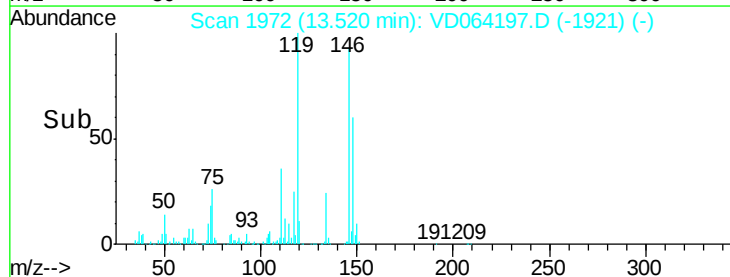
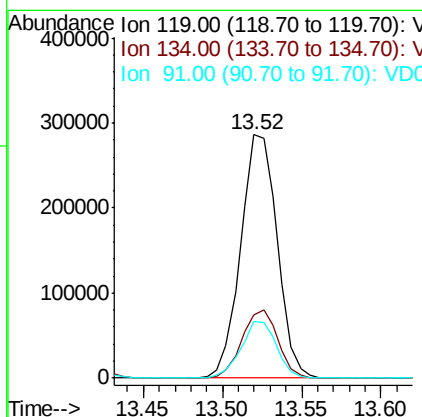
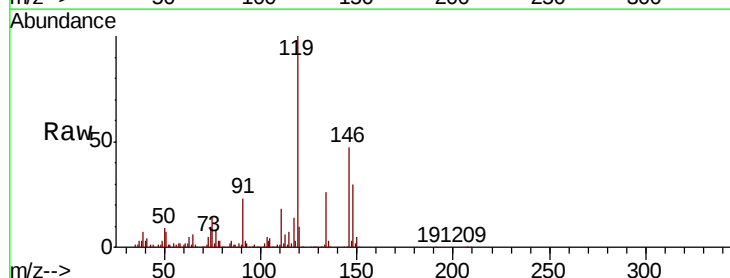
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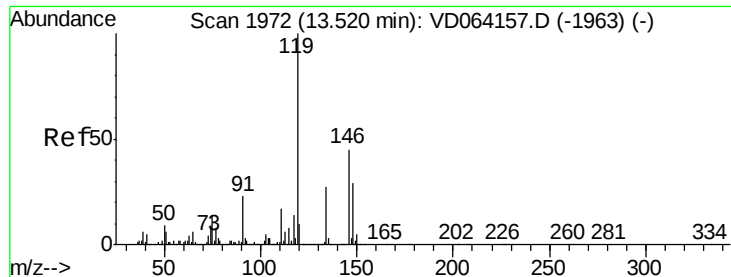
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#86
 p-Isopropyltoluene
 Concen: 19.915 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD064197.D
 Acq: 12 Nov 2019 15:33

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.6	13.5	40.5
91	22.6	11.5	34.4





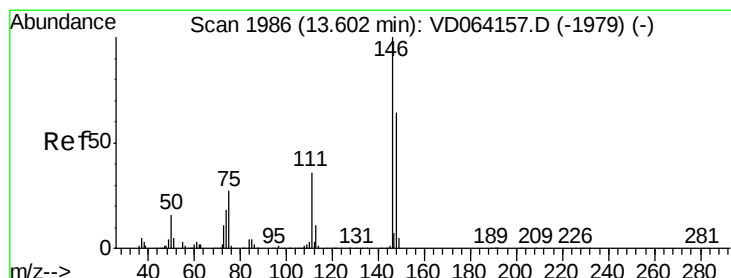
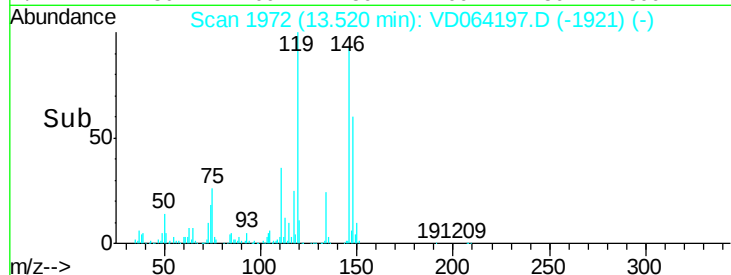
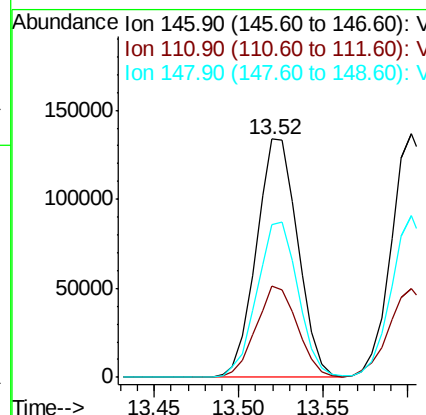
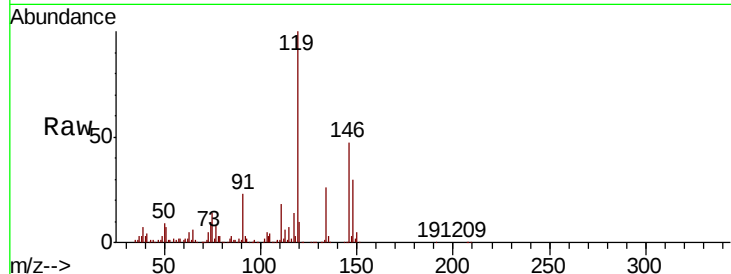
#87
 1,3-Dichlorobenzene
 Concen: 20.461 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD064197.D
 Acq: 12 Nov 2019 15:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1112SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.9	56.9
148	64.7	32.1	96.5

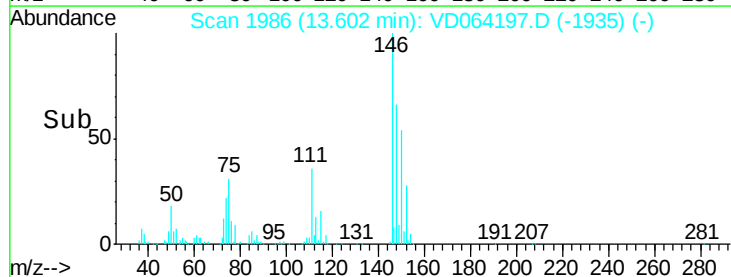
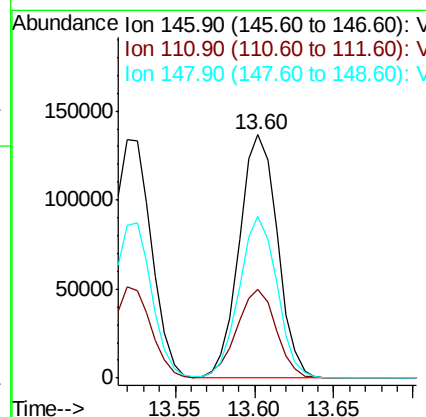
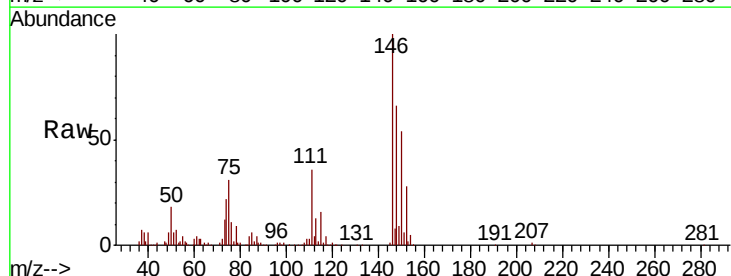
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#88
 1,4-Dichlorobenzene
 Concen: 21.005 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD064197.D
 Acq: 12 Nov 2019 15:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.1	54.4
148	65.4	31.9	95.7





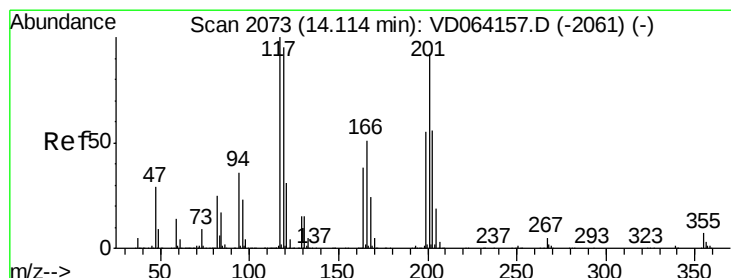
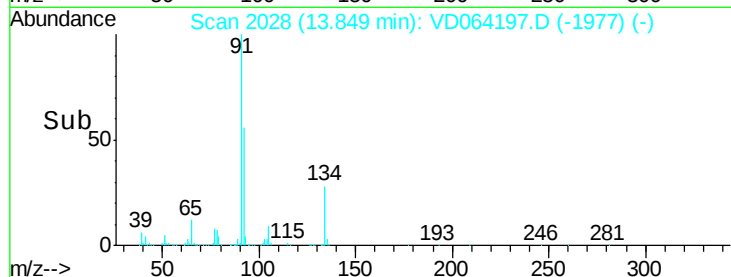
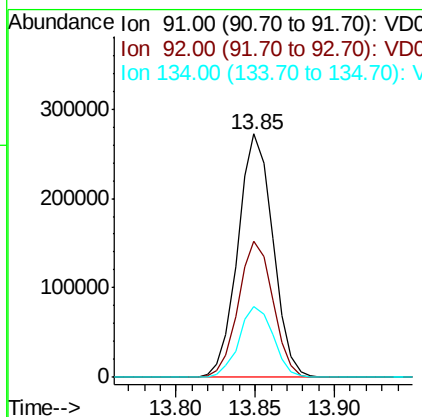
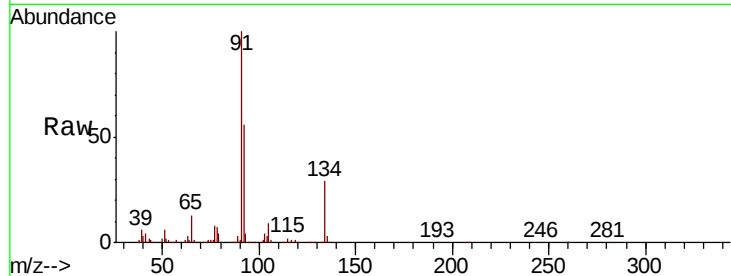
#89
n-Butylbenzene
Concen: 20.159 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD064197.D
Acq: 12 Nov 2019 15:33

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.2	27.3	81.8
134	28.6	14.1	42.4

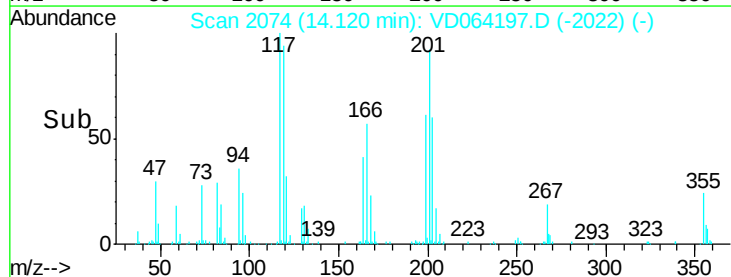
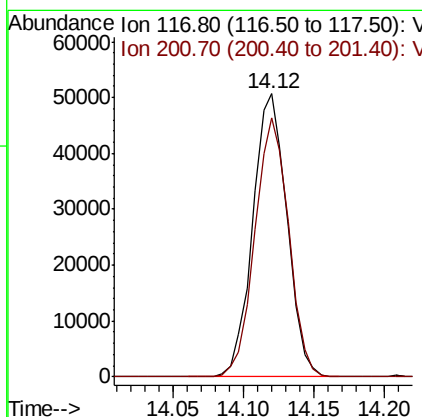
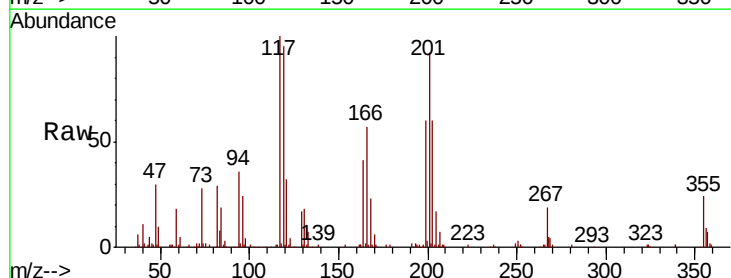
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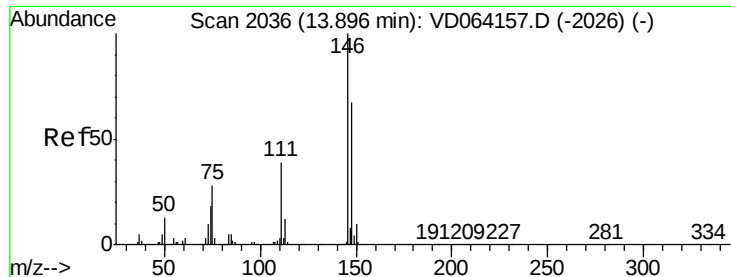
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#90
Hexachloroethane
Concen: 20.389 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD064197.D
Acq: 12 Nov 2019 15:33

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.3	45.8	137.4





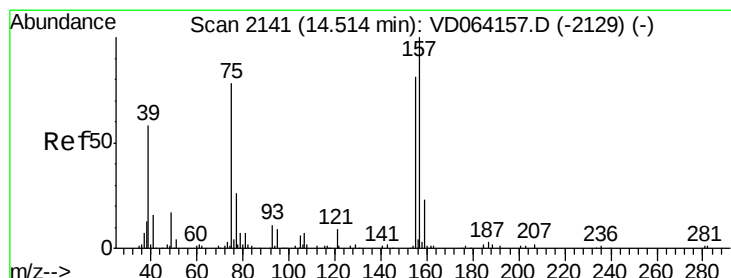
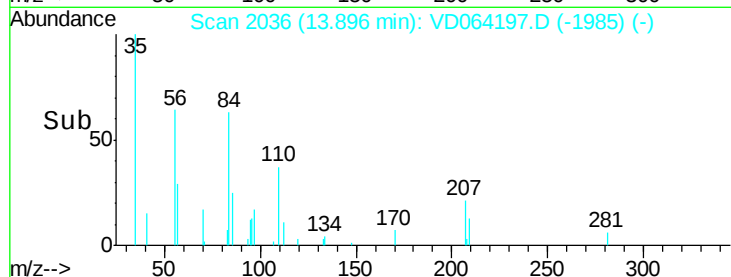
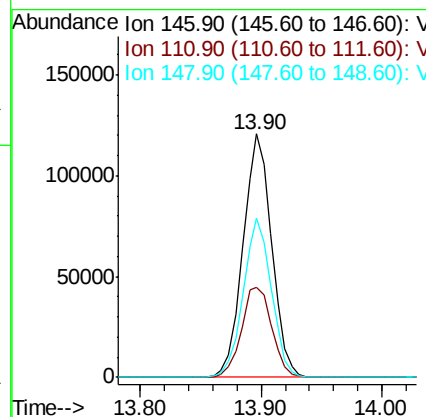
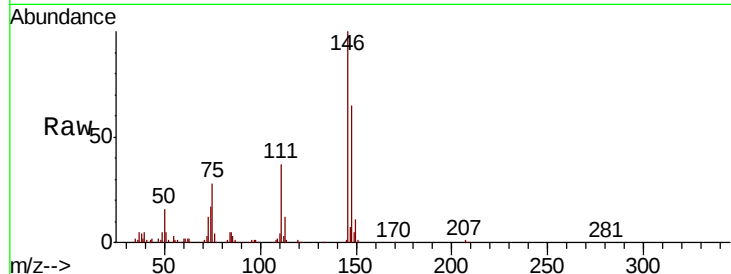
#91
 1,2-Dichlorobenzene
 Concen: 21.048 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD064197.D
 Acq: 12 Nov 2019 15:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1112SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.7	59.0
148	64.3	32.3	96.8

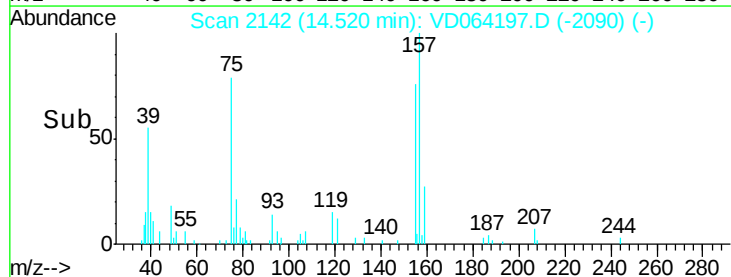
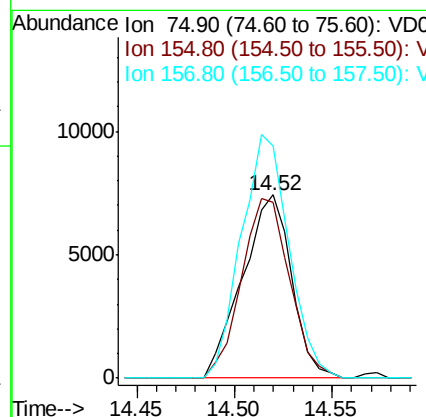
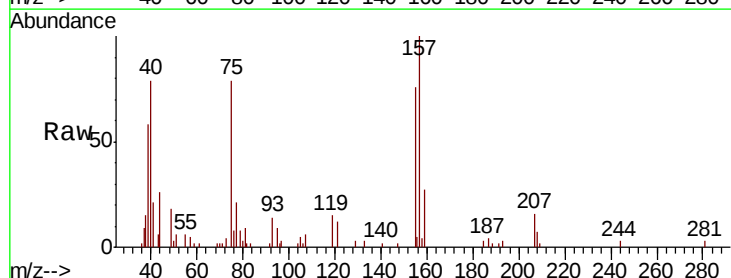
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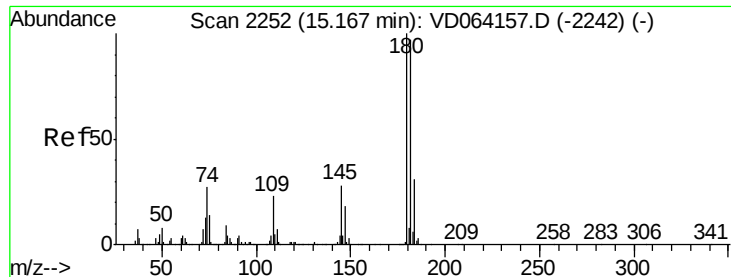
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.335 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.01 min
 Lab File: VD064197.D
 Acq: 12 Nov 2019 15:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.5	48.0	144.0
157	129.5	61.5	184.4





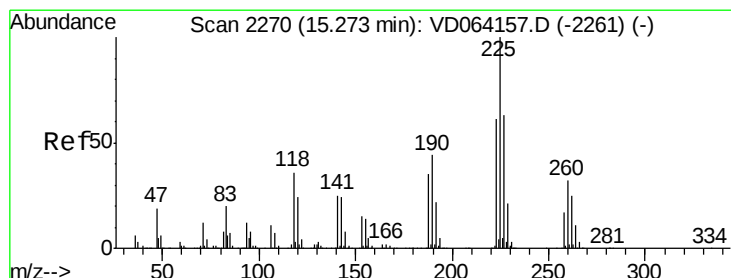
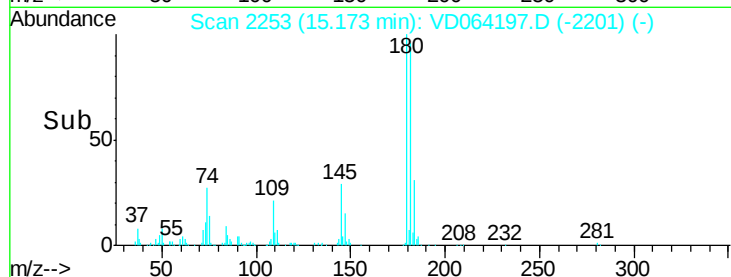
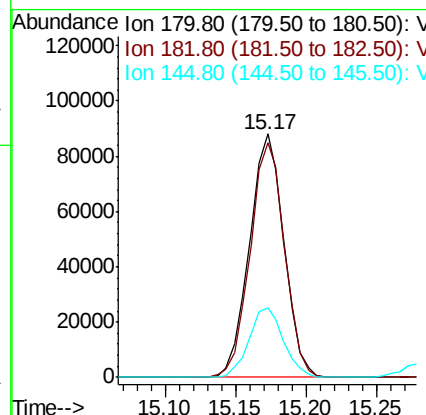
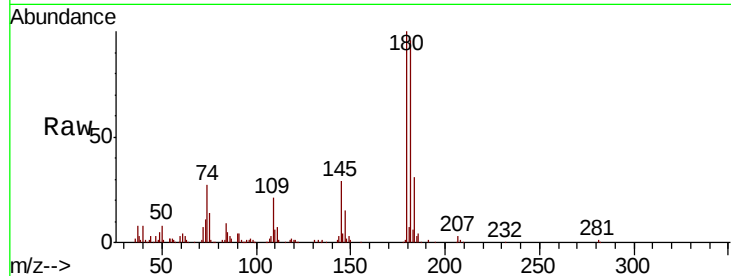
#93
1,2,4-Trichlorobenzene
Concen: 20.621 ug/l
RT: 15.17 min Scan# 2253
Delta R.T. 0.01 min
Lab File: VD064197.D
Acq: 12 Nov 2019 15:33

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.5	142.5
145	28.8	14.2	42.6

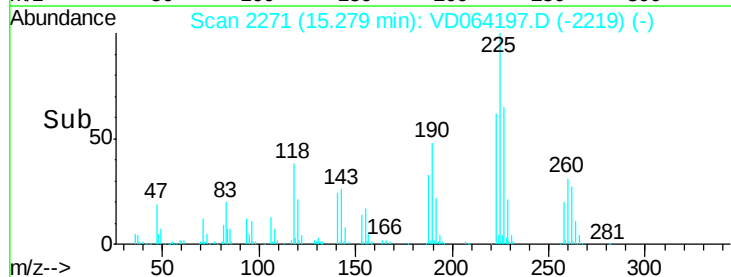
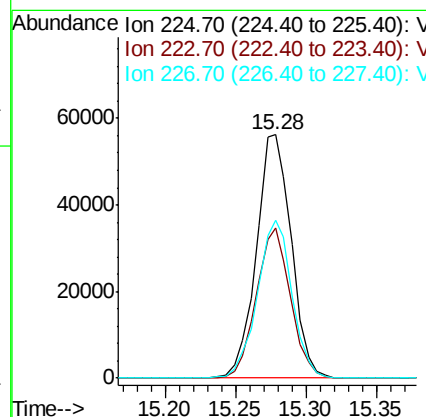
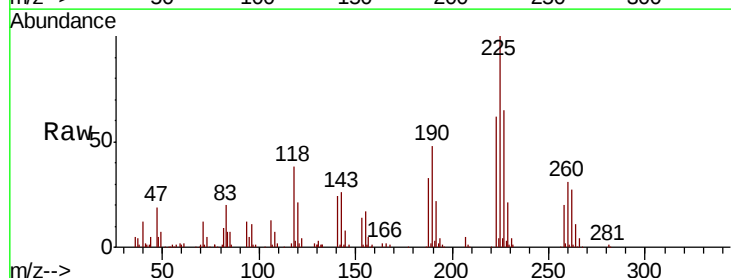
Manual Integrations
APPROVED

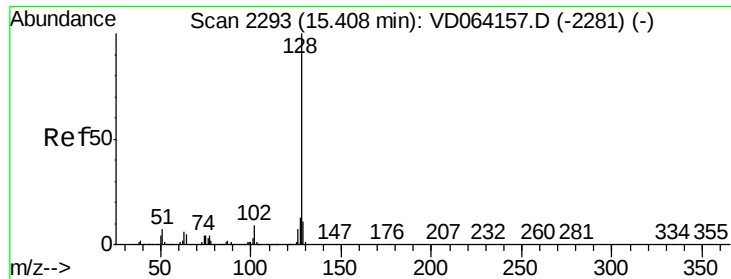
MMDadoda
11/13/2019 9:38:56 AM



#94
Hexachlorobutadiene
Concen: 20.687 ug/l
RT: 15.28 min Scan# 2271
Delta R.T. 0.01 min
Lab File: VD064197.D
Acq: 12 Nov 2019 15:33

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.4	31.1	93.3
227	64.5	31.5	94.5





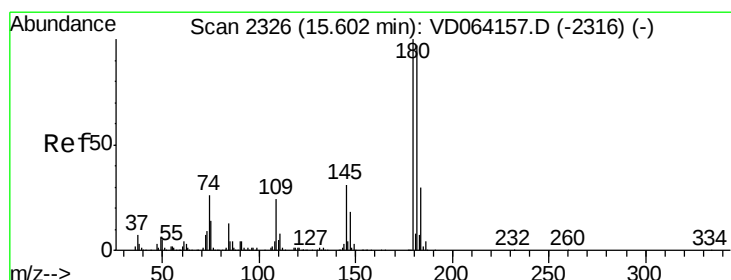
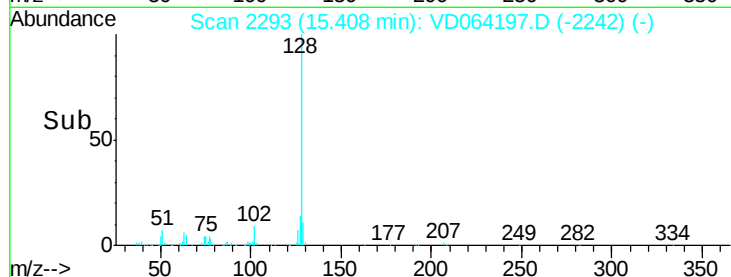
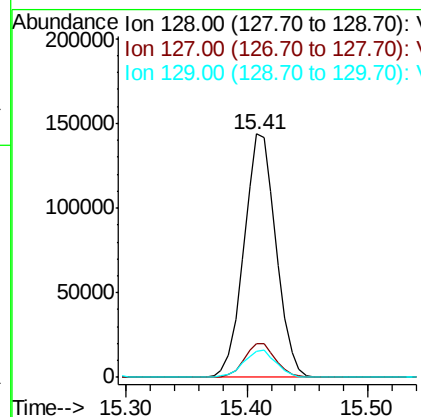
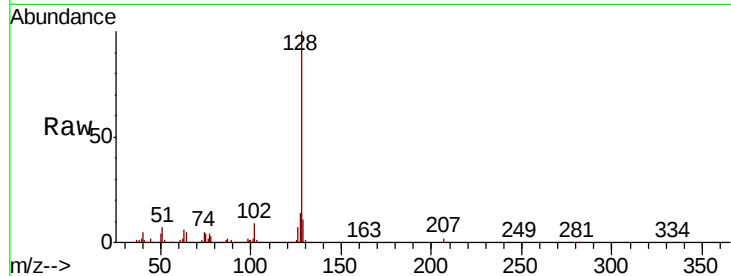
#95
Naphthalene
Concen: 22.234 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD064197.D
Acq: 12 Nov 2019 15:33

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS01

Tot Ion	Ratio	Resp Lower	Resp Upper
128	100		
127	13.6	10.5	15.7
129	11.2	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
11/13/2019 9:38:56 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.854 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.01 min
Lab File: VD064197.D
Acq: 12 Nov 2019 15:33

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	96.5	48.3	144.9
145	30.2	15.3	45.8

