

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012319\
 Data File : VD060785.D
 Acq On : 23 Jan 2019 16:37
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 1/24/2019 12:49:21 PM

Quant Time: Jan 24 06:03:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 24 05:41:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.79	168	641378	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.97	114	821340	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.16	117	695774	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.32	152	368694	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.22	65	166816	19.77	ug/l	0.00
Spiked Amount			Recovery	=	39.54%	
35) Dibromofluoromethane	6.67	113	153390	21.12	ug/l	0.00
Spiked Amount			Recovery	=	42.24%	
50) Toluene-d8	10.18	98	376422	21.91	ug/l	0.00
Spiked Amount			Recovery	=	43.82%	
62) 4-Bromofluorobenzene	13.35	95	184971	22.13	ug/l	0.00
Spiked Amount			Recovery	=	44.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	126763	15.613	ug/l	90
3) Chloromethane	1.76	50	85372	20.075	ug/l	99
4) Vinyl Chloride	1.85	62	84813	17.612	ug/l	92
5) Bromomethane	2.13	94	20528m	14.564	ug/l	
6) Chloroethane	2.23	64	23162	13.419	ug/l #	86
7) Trichlorofluoromethane	2.48	101	148847	16.090	ug/l	98
8) Diethyl Ether	2.81	74	23110	21.123	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.06	101	76125	16.620	ug/l	94
10) Methyl Iodide	3.21	142	93763	19.014	ug/l	87
11) Tert butyl alcohol	3.93	59	40004	81.988	ug/l #	95
12) 1,1-Dichloroethene	3.04	96	54387	17.044	ug/l #	96
13) Acrolein	2.96	56	23949	131.424	ug/l #	76
14) Allyl chloride	3.49	41	131621	19.393	ug/l	97
15) Acrylonitrile	4.04	53	121223	106.775	ug/l	95
16) Acetone	3.13	43	115487	98.546	ug/l	95
17) Carbon Disulfide	3.28	76	195601	18.581	ug/l #	94
18) Methyl Acetate	3.52	43	47365	19.204	ug/l #	85
19) Methyl tert-butyl Ether	4.08	73	308707	20.421	ug/l	97
20) Methylene Chloride	3.68	84	125021	20.187	ug/l	95
21) trans-1,2-Dichloroethene	4.06	96	126673	20.816	ug/l	99
22) Diisopropyl ether	4.89	45	403474	19.360	ug/l	98
23) Vinyl Acetate	4.82	43	1180784	99.013	ug/l	98
24) 1,1-Dichloroethane	4.76	63	255891	20.327	ug/l	99
25) 2-Butanone	5.85	43	179821	97.834	ug/l	97
26) 2,2-Dichloropropane	5.79	77	241584	19.366	ug/l	100
27) cis-1,2-Dichloroethene	5.80	96	129378	20.574	ug/l	97
28) Bromochloromethane	6.19	49	104700	20.493	ug/l	91
29) Tetrahydrofuran	6.23	42	92944	104.969	ug/l	98
30) Chloroform	6.42	83	277795	18.883	ug/l	97
31) Cyclohexane	6.71	56	183202	19.759	ug/l	97
32) 1,1,1-Trichloroethane	6.64	97	253345	18.298	ug/l	96
36) 1,1-Dichloropropene	6.90	75	195967	20.736	ug/l	97
37) Ethyl Acetate	5.94	43	93393	23.778	ug/l	95
38) Carbon Tetrachloride	6.87	117	233192	20.021	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.63	83	170872	20.281	ug/l	98
40) Benzene	7.22	78	407542	21.150	ug/l	97
41) Methacrylonitrile	6.22	41	65358m	22.281	ug/l	
42) 1,2-Dichloroethane	7.33	62	211372	20.219	ug/l	95
43) Isopropyl Acetate	9.01	43	126202	20.919	ug/l	96
44) Trichloroethene	8.30	130	144989	21.211	ug/l	100
45) 1,2-Dichloropropane	8.70	63	108504	21.699	ug/l	92
46) Dibromomethane	8.83	93	82516	20.174	ug/l	97
47) Bromodichloromethane	9.15	83	228048	22.633	ug/l	96
48) Methyl methacrylate	8.89	41	77379	19.008	ug/l	88
49) 1,4-Dioxane	8.85	88	14234	414.195	ug/l	94
51) 4-Methyl-2-Pentanone	10.07	43	398882	100.514	ug/l	99
52) Toluene	10.29	92	263776	21.873	ug/l	97
53) t-1,3-Dichloropropene	10.69	75	184942	18.758	ug/l	99
54) cis-1,3-Dichloropropene	9.80	75	199884	21.342	ug/l	96
55) 1,1,2-Trichloroethane	10.97	97	86160	20.138	ug/l	93
56) Ethyl methacrylate	10.82	69	106342	21.418	ug/l	89
57) 1,3-Dichloropropane	11.19	76	145758	19.447	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.63	63	292978	104.439	ug/l	99
59) 2-Hexanone	11.32	43	311115	106.252	ug/l	98
60) Dibromochloromethane	11.47	129	138180	20.371	ug/l	98
61) 1,2-Dibromoethane	11.59	107	98360	20.271	ug/l	95
64) Tetrachloroethene	11.04	164	132212	21.695	ug/l	98
65) Chlorobenzene	12.19	112	306292	21.961	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.31	131	130265	20.985	ug/l	94
67) Ethyl Benzene	12.32	91	550362	21.177	ug/l	99
68) m/p-Xylenes	12.46	106	399289	46.882	ug/l	99
69) o-Xylene	12.85	106	182381	22.800	ug/l	97
70) Styrene	12.87	104	304204	21.593	ug/l	97
71) Bromoform	13.03	173	99166	21.642	ug/l	# 96
73) Isopropylbenzene	13.20	105	543748	20.083	ug/l	99
74) N-amyl acetate	13.06	43	168117	19.601	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.50	83	97931	19.466	ug/l	97
76) 1,2,3-Trichloropropane	13.53	75	116427	19.042	ug/l	98
77) Bromobenzene	13.47	156	147837	20.189	ug/l	97
78) n-propylbenzene	13.58	91	685990	20.217	ug/l	98
79) 2-Chlorotoluene	13.63	91	384804	19.551	ug/l	97
80) 1,3,5-Trimethylbenzene	14.04	105	485698	20.956	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.27	75	32068	18.992	ug/l	93
82) 4-Chlorotoluene	13.74	91	493988	21.672	ug/l	98
83) tert-Butylbenzene	13.99	119	525631	22.047	ug/l	93
84) 1,2,4-Trimethylbenzene	14.04	105	485698	20.956	ug/l	99
85) sec-Butylbenzene	14.17	105	590246	20.326	ug/l	100
86) p-Isopropyltoluene	14.29	119	502286	21.022	ug/l	97
87) 1,3-Dichlorobenzene	14.25	146	263003	21.611	ug/l	98
88) 1,4-Dichlorobenzene	14.34	146	257032	20.632	ug/l	95
89) n-Butylbenzene	14.60	91	511572	22.773	ug/l	99
90) Hexachloroethane	14.81	117	131857	18.782	ug/l	98
91) 1,2-Dichlorobenzene	14.61	146	220441	21.909	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.18	75	23570	19.159	ug/l	97

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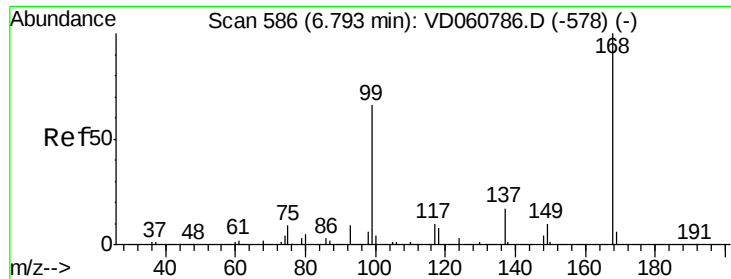
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.75	180	194610	21.269	ug/l	98
94) Hexachlorobutadiene	15.84	225	147978	21.407	ug/l	97
95) Naphthalene	15.93	128	289467	20.757	ug/l	99
96) 1,2,3-Trichlorobenzene	16.08	180	170139	21.727	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.79 min Scan# 586

Delta R.T. 0.00 min

Lab File: VD060785.D

Acq: 23 Jan 2019 16:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 641378

Ion Ratio Lower Upper

168 100

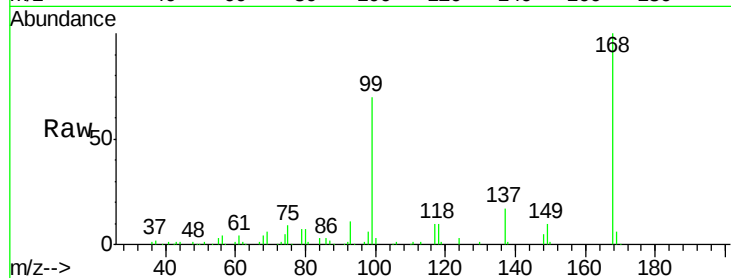
99 69.8 54.6 81.8

Manual Integrations

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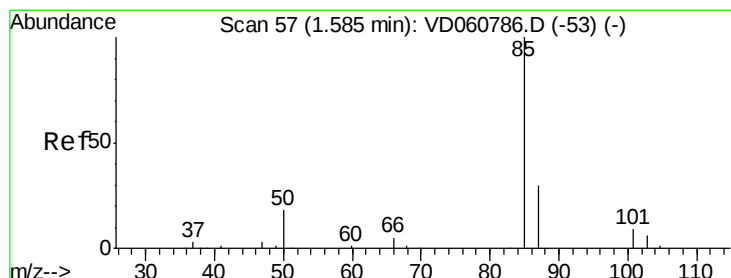
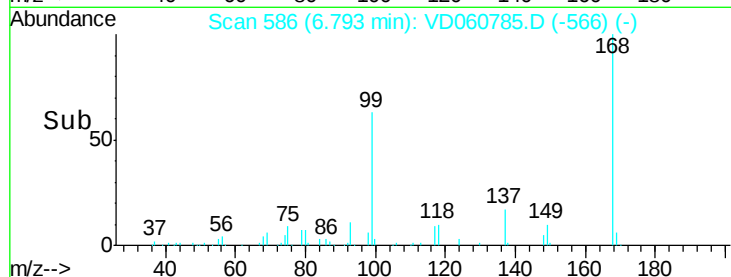
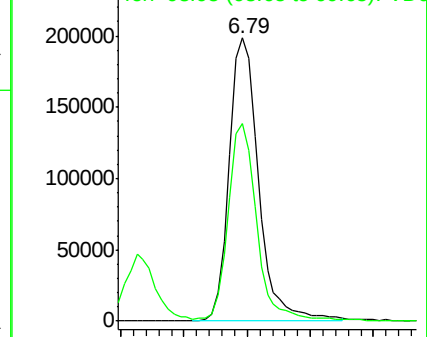
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 15.613 ug/l

RT: 1.58 min Scan# 57

Delta R.T. 0.00 min

Lab File: VD060785.D

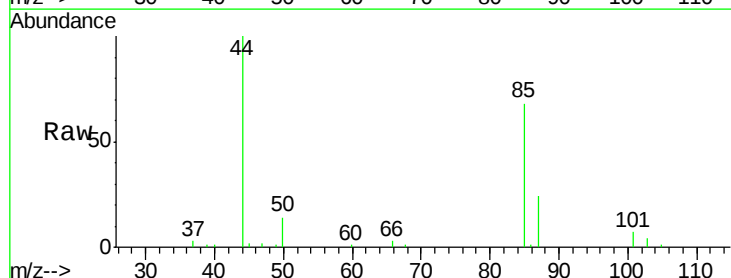
Acq: 23 Jan 2019 16:37

Tgt Ion: 85 Resp: 126763

Ion Ratio Lower Upper

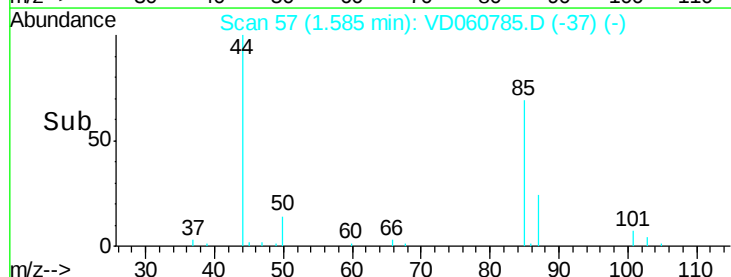
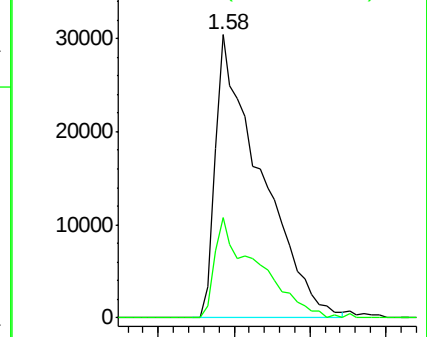
85 100

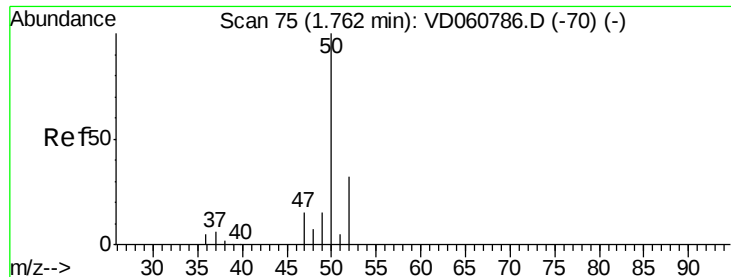
87 35.3 14.9 44.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 20.075 ug/l

RT: 1.76 min Scan# 75

Delta R.T. 0.00 min

Lab File: VD060785.D

Acq: 23 Jan 2019 16:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 85372

Ion Ratio Lower Upper

50 100

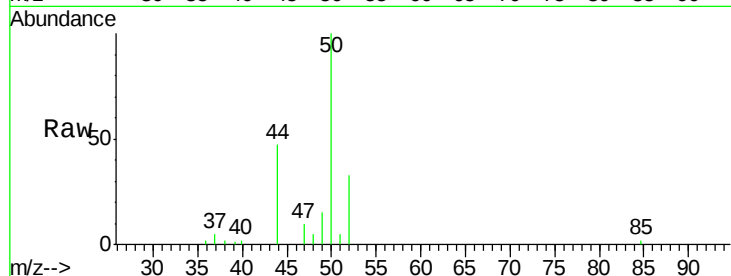
52 32.5 25.8 38.6

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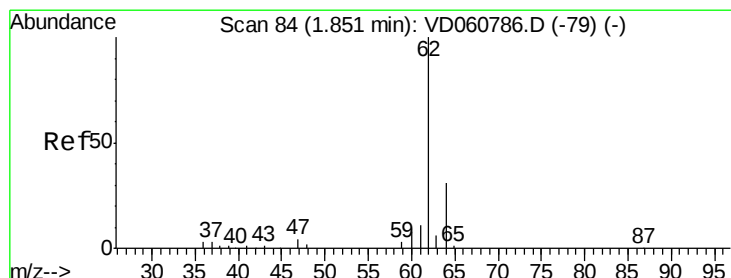
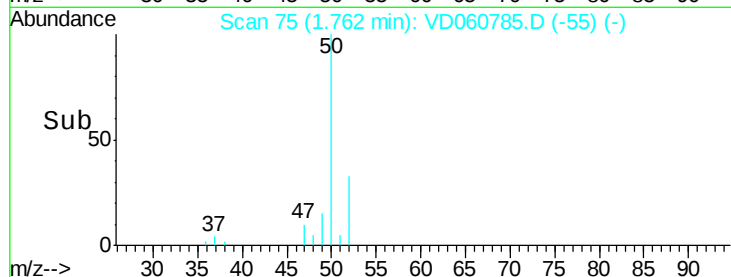
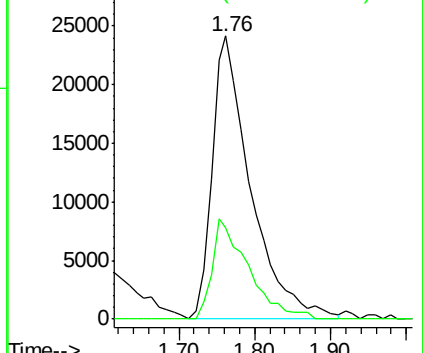
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 17.612 ug/l

RT: 1.85 min Scan# 84

Delta R.T. 0.00 min

Lab File: VD060785.D

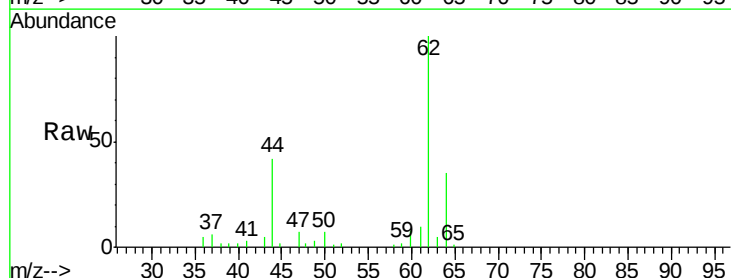
Acq: 23 Jan 2019 16:37

Tgt Ion: 62 Resp: 84813

Ion Ratio Lower Upper

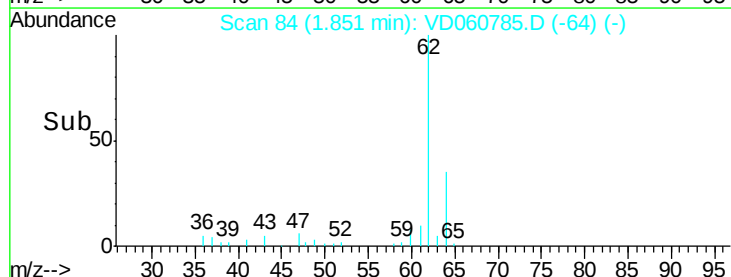
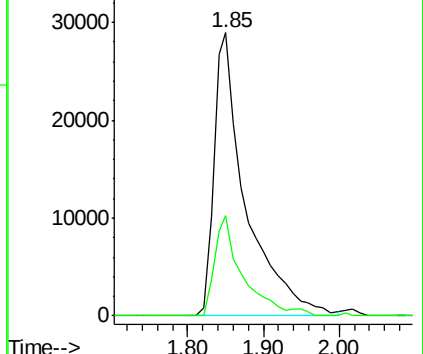
62 100

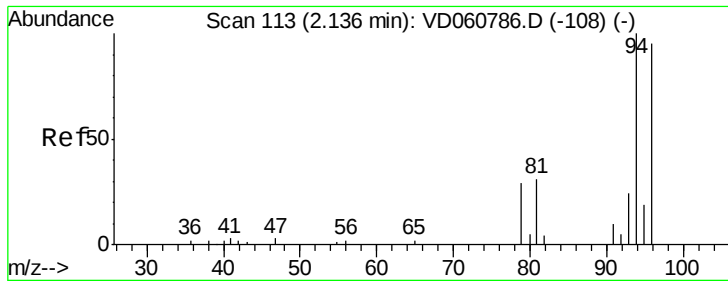
64 35.3 24.6 37.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 14.564 ug/l m

RT: 2.13 min Scan# 112

Delta R.T. -0.01 min

Lab File: VD060785.D

Acq: 23 Jan 2019 16:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 20528

Ion Ratio Lower Upper

94 100

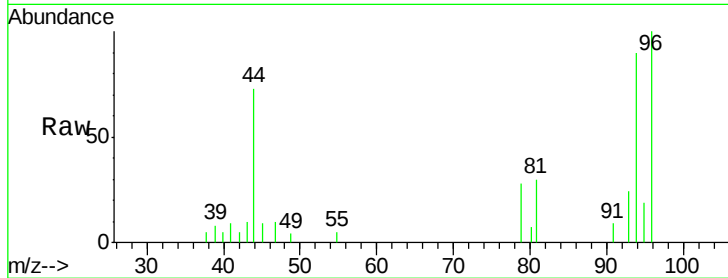
96 111.2 75.9 113.9

Manual Integrations

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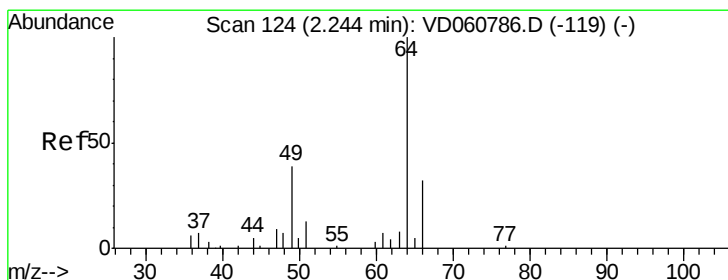
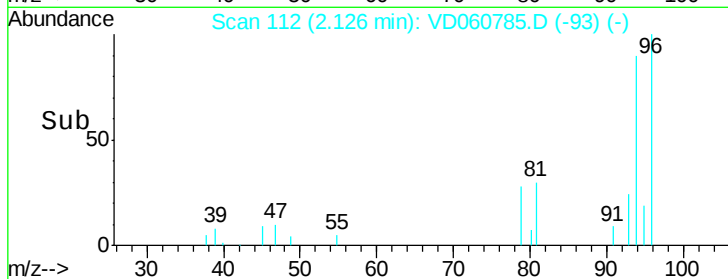
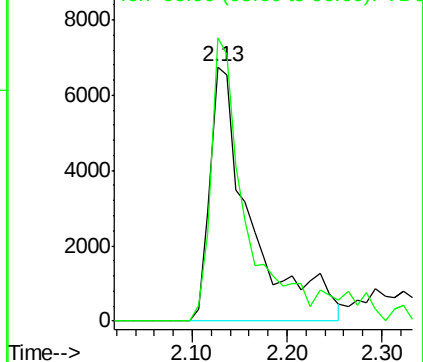
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 13.419 ug/l

RT: 2.23 min Scan# 123

Delta R.T. -0.01 min

Lab File: VD060785.D

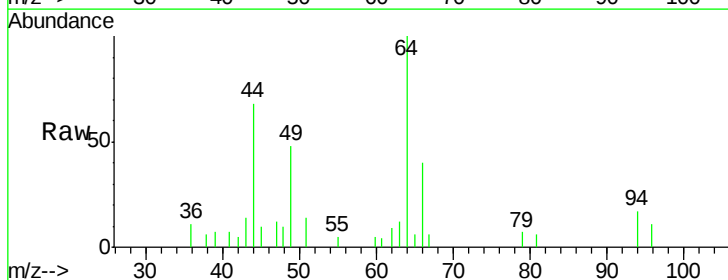
Acq: 23 Jan 2019 16:37

Tgt Ion: 64 Resp: 23162

Ion Ratio Lower Upper

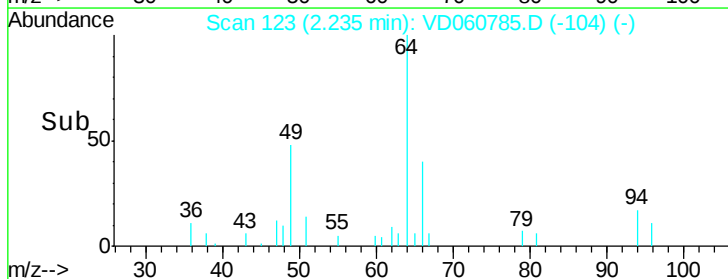
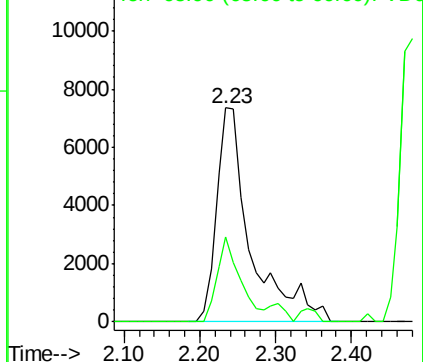
64 100

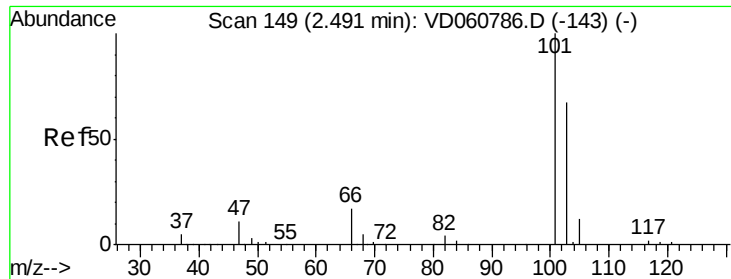
66 39.8 25.6 38.4#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

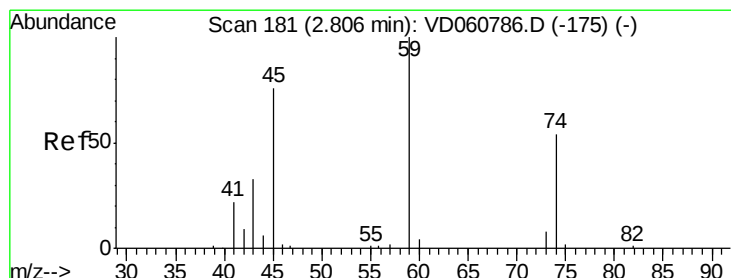
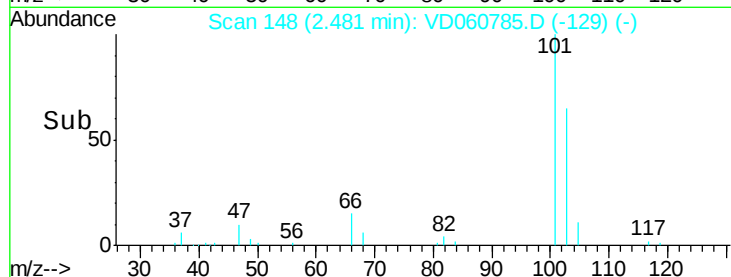
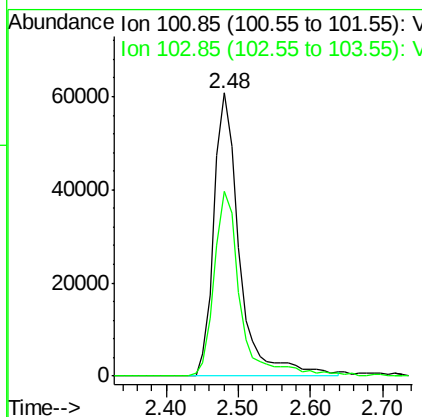
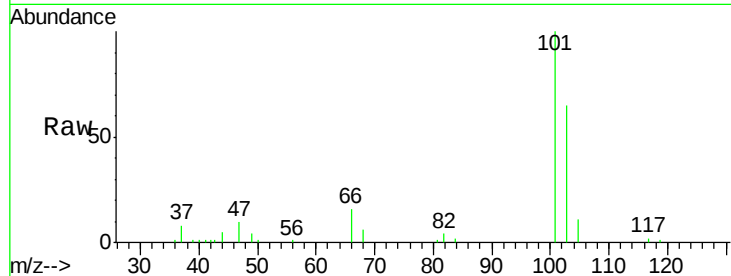
Trichlorofluoromethane
Concen: 16.090 ug/l
RT: 2.48 min Scan# 148
Delta R.T. -0.01 min
Lab File: VD060785.D
Acq: 23 Jan 2019 16:37

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MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion:101 Resp: 148847
Ion Ratio Lower Upper
101 100
103 65.5 53.6 80.4

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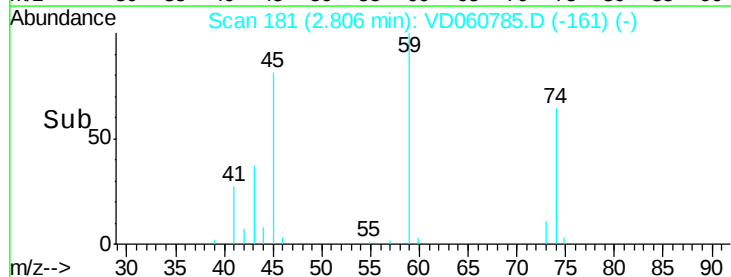
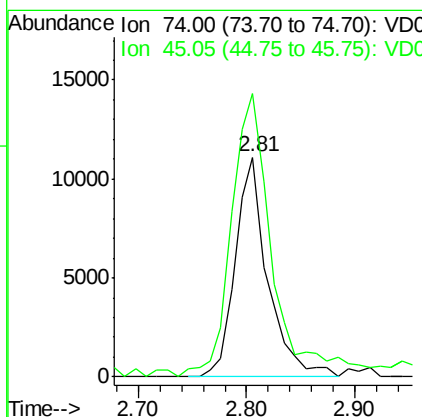
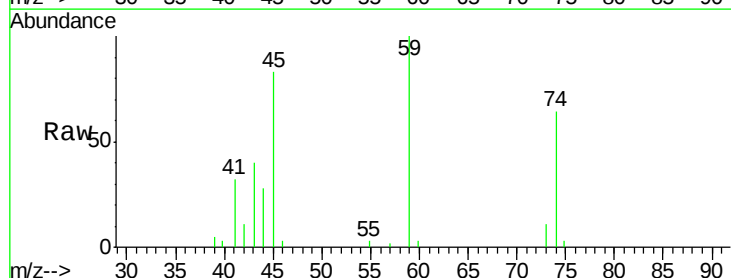
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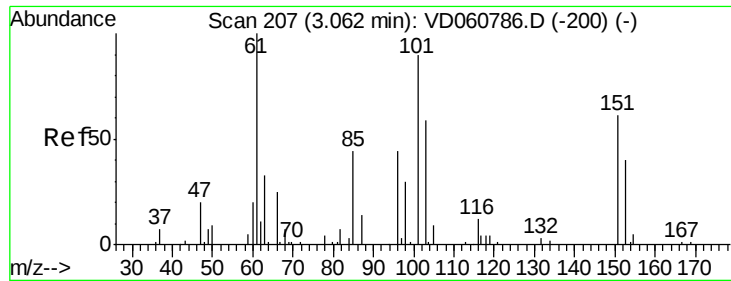


#8

Diethyl Ether
Concen: 21.123 ug/l
RT: 2.81 min Scan# 181
Delta R.T. 0.00 min
Lab File: VD060785.D
Acq: 23 Jan 2019 16:37

Tgt Ion: 74 Resp: 23110
Ion Ratio Lower Upper
74 100
45 128.9 70.5 211.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 16.620 ug/l

RT: 3.06 min Scan# 207

Delta R.T. 0.00 min

Lab File: VD060785.D

Acq: 23 Jan 2019 16:37

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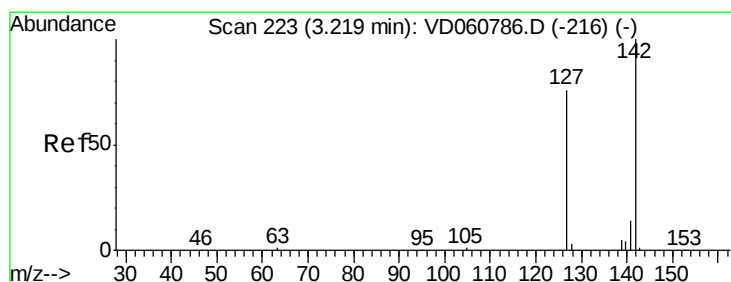
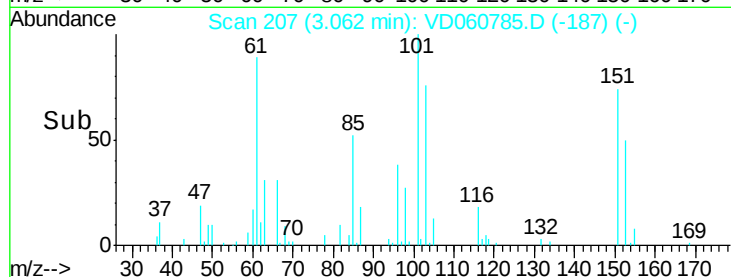
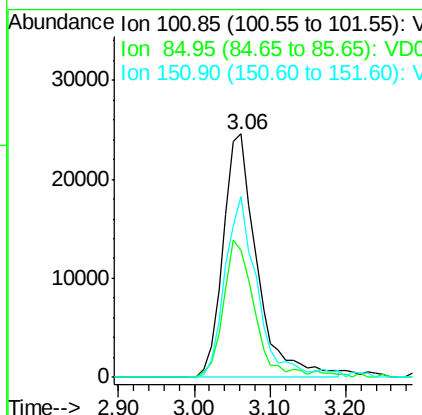
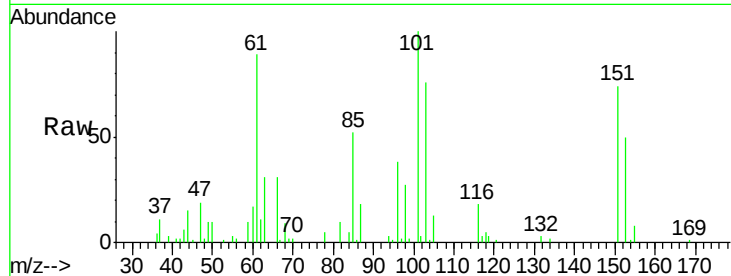
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	76125
Ion Ratio	Lower	Upper	
101	100		
85	52.0	39.0	58.4
151	74.1	54.5	81.7

Manual Integrations
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#10

Methyl Iodide

Concen: 19.014 ug/l

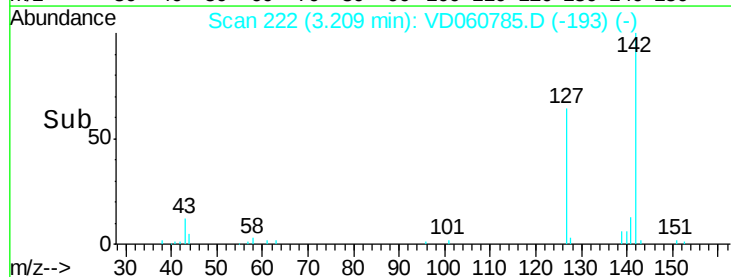
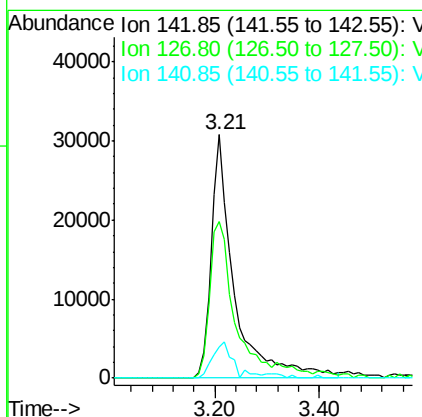
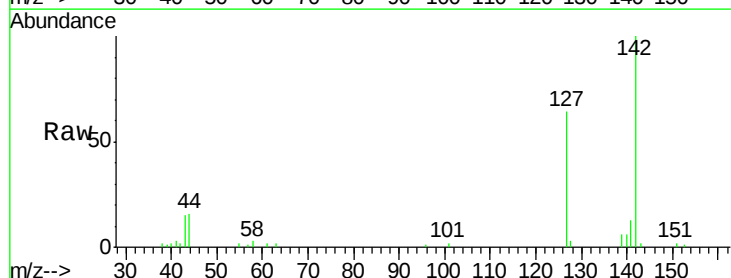
RT: 3.21 min Scan# 222

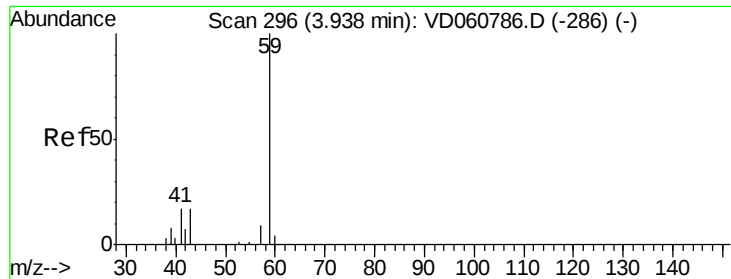
Delta R.T. -0.01 min

Lab File: VD060785.D

Acq: 23 Jan 2019 16:37

Tgt Ion:	142	Resp:	93763
Ion Ratio	Lower	Upper	
142	100		
127	64.1	61.0	91.6
141	12.9	11.5	17.3





#11

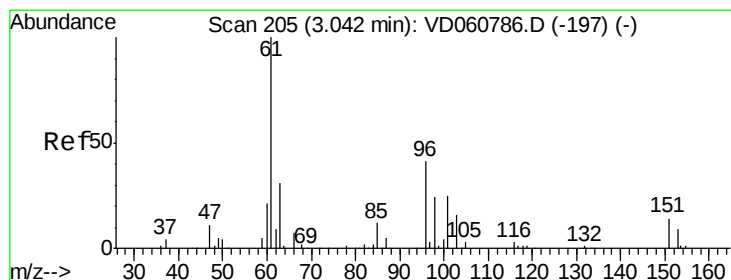
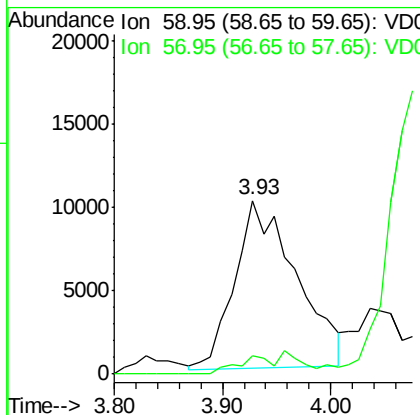
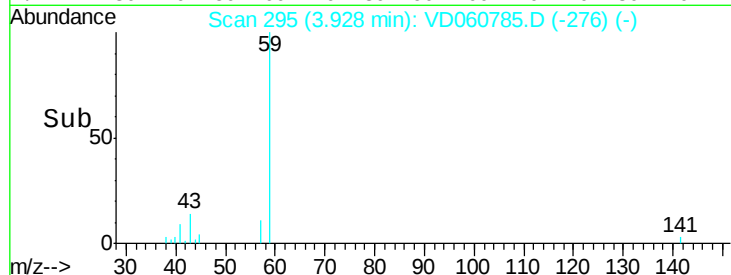
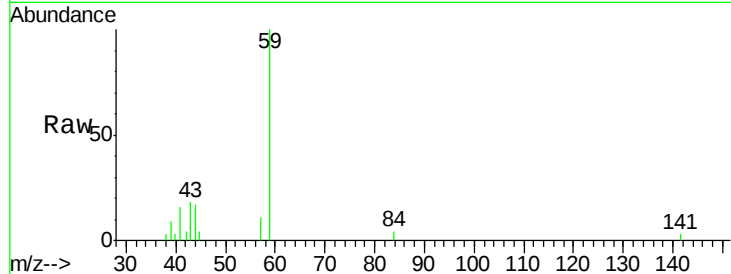
Tert butyl alcohol
Concen: 81.988 ug/l
RT: 3.93 min Scan# 295
Delta R.T. -0.01 min
Lab File: VD060785.D
Acq: 23 Jan 2019 16:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 59 Resp: 40004
Ion Ratio Lower Upper
59 100
57 10.7 7.0 10.6#

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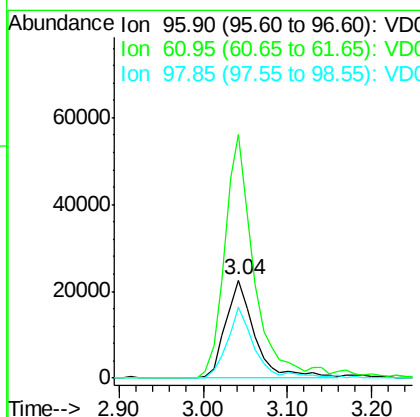
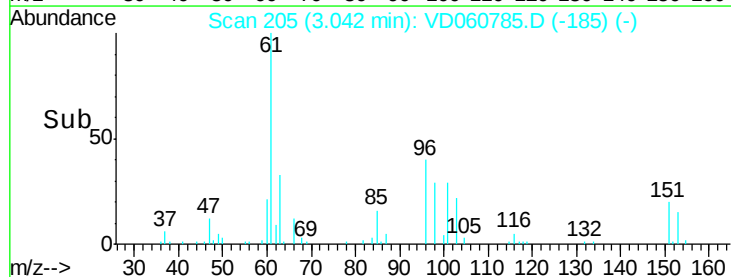
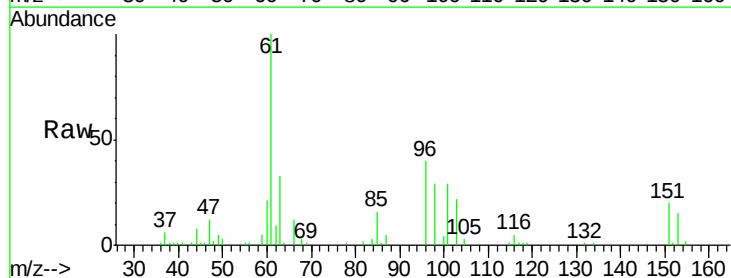
MMDadoda
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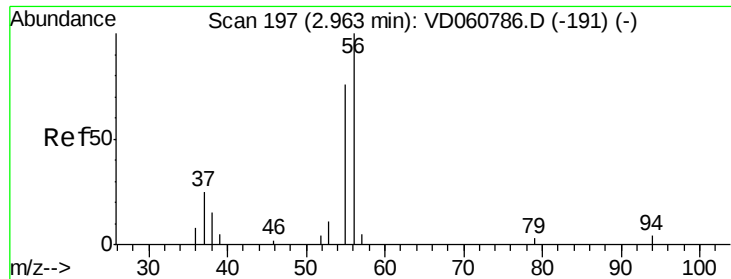


#12

1,1-Dichloroethene
Concen: 17.044 ug/l
RT: 3.04 min Scan# 205
Delta R.T. 0.00 min
Lab File: VD060785.D
Acq: 23 Jan 2019 16:37

Tgt Ion: 96 Resp: 54387
Ion Ratio Lower Upper
96 100
61 247.7 196.9 295.3
98 72.1 46.6 69.8#





#13

Acrolein

Concen: 131.424 ug/l

RT: 2.96 min Scan# 197

Delta R.T. 0.00 min

Lab File: VD060785.D

Acq: 23 Jan 2019 16:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 23949

Ion Ratio Lower Upper

56 100

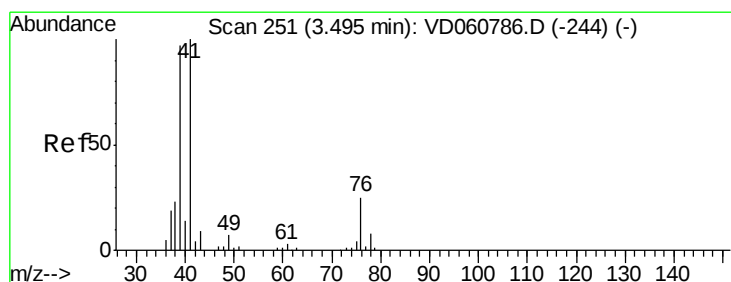
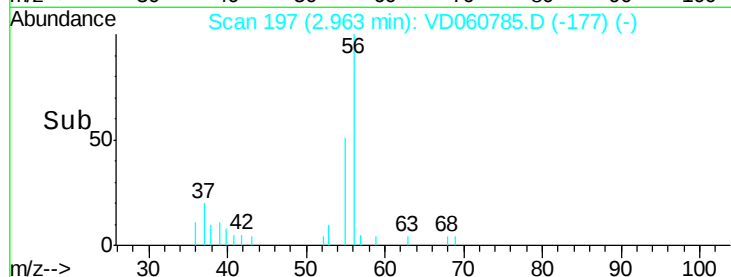
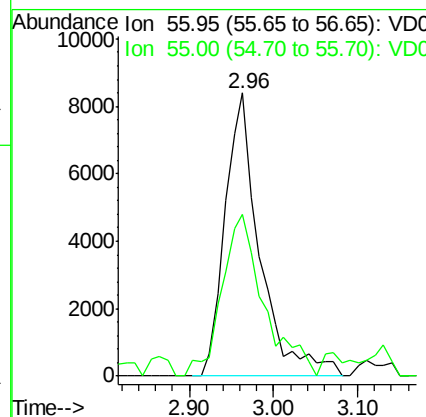
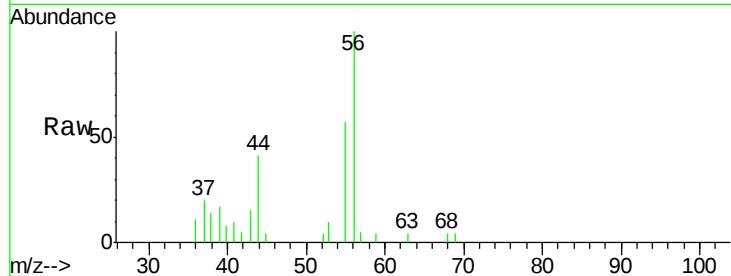
55 57.1 62.2 93.4#

Manual Integrations

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#14

Allyl chloride

Concen: 19.393 ug/l

RT: 3.49 min Scan# 251

Delta R.T. 0.00 min

Lab File: VD060785.D

Acq: 23 Jan 2019 16:37

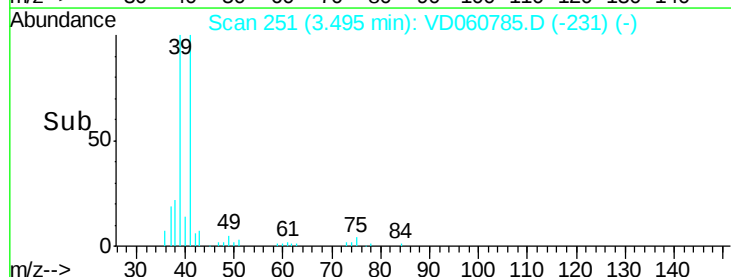
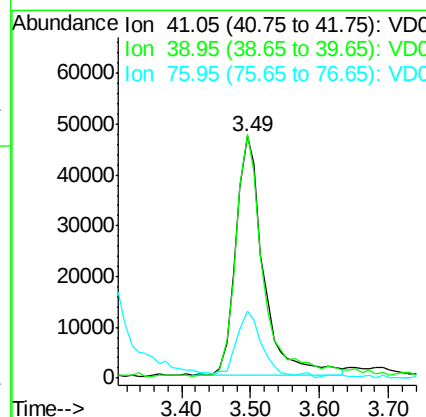
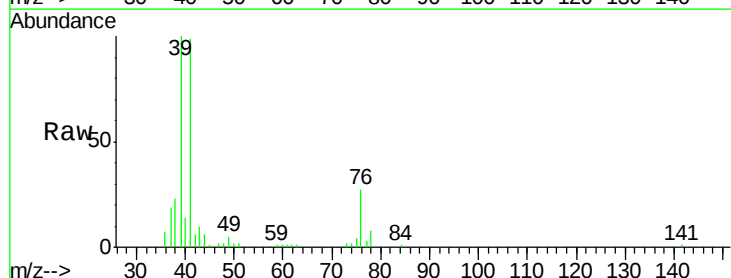
Tgt Ion: 41 Resp: 131621

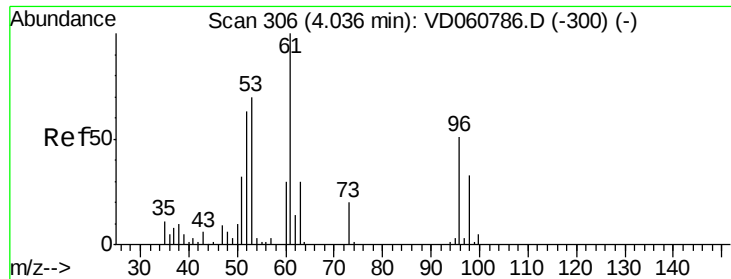
Ion Ratio Lower Upper

41 100

39 100.6 77.7 116.5

76 27.4 21.8 32.8





#15

Acrylonitrile

Concen: 106.775 ug/l

RT: 4.04 min Scan# 306

Delta R.T. 0.00 min

Lab File: VD060785.D

Acq: 23 Jan 2019 16:37

Instrument :

MSVOA_D

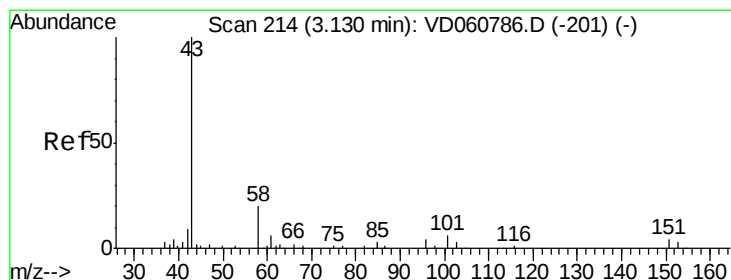
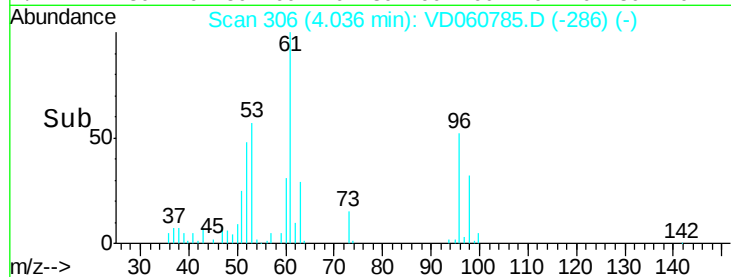
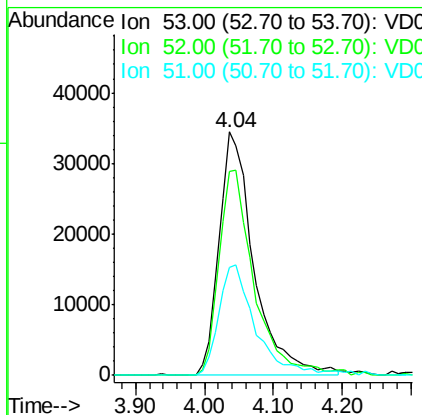
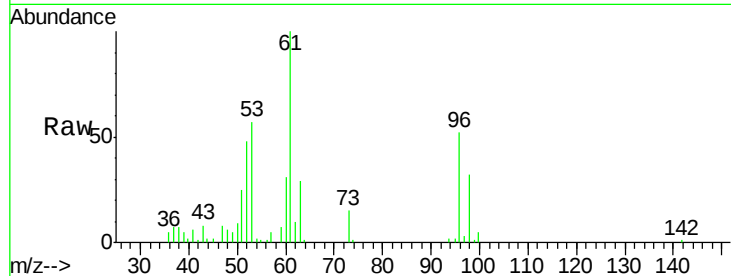
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	121223
Ion	Ratio	Lower	Upper
53	100		
52	83.6	71.6	107.4
51	44.3	36.0	54.0

Manual Integrations
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#16

Acetone

Concen: 98.546 ug/l

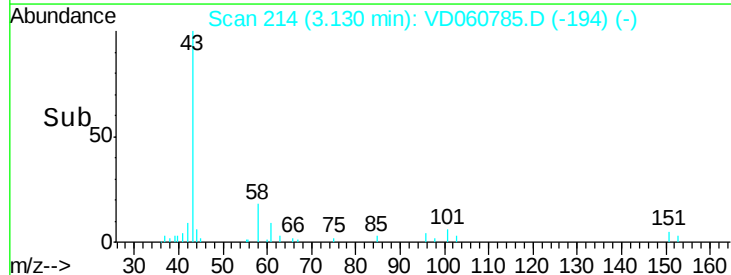
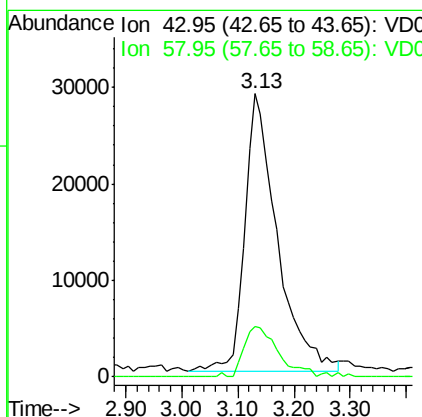
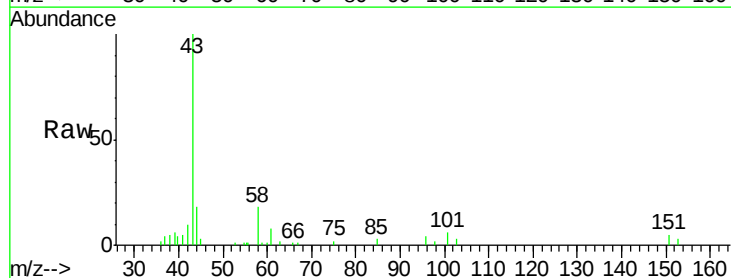
RT: 3.13 min Scan# 214

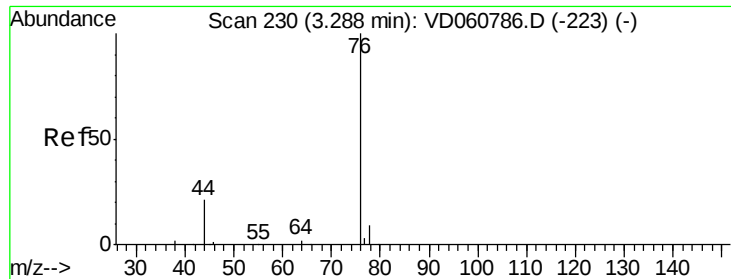
Delta R.T. 0.00 min

Lab File: VD060785.D

Acq: 23 Jan 2019 16:37

Tgt Ion:	43	Resp:	115487
Ion	Ratio	Lower	Upper
43	100		
58	17.7	16.0	24.0





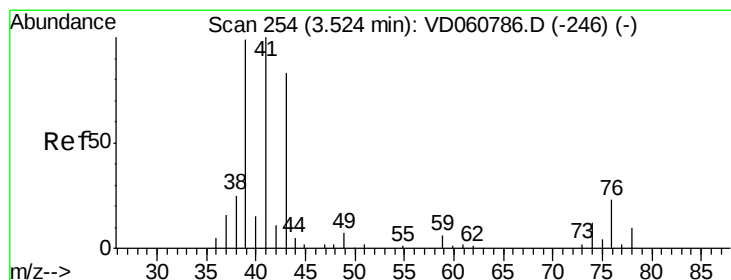
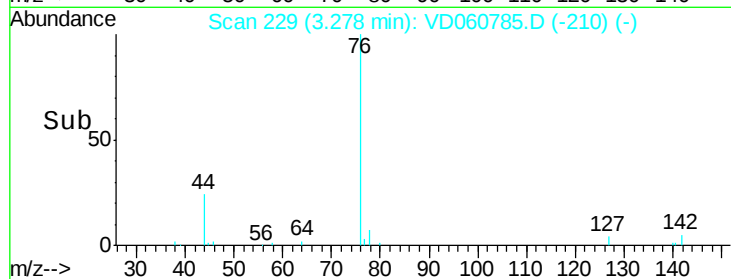
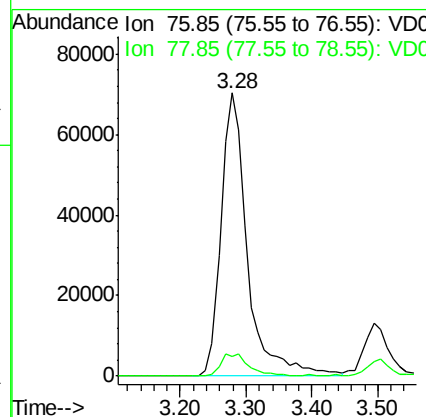
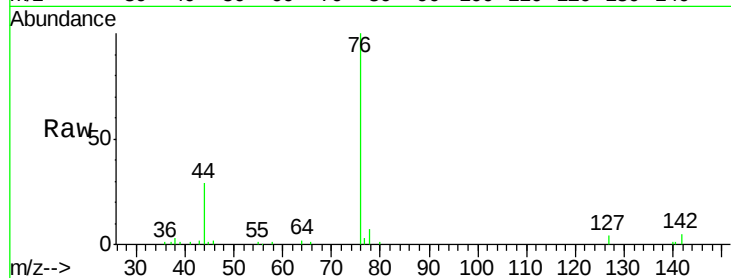
#17
Carbon Disulfide
Concen: 18.581 ug/l
RT: 3.28 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD060785.D
Acq: 23 Jan 2019 16:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	7.1	7.4	11.0#

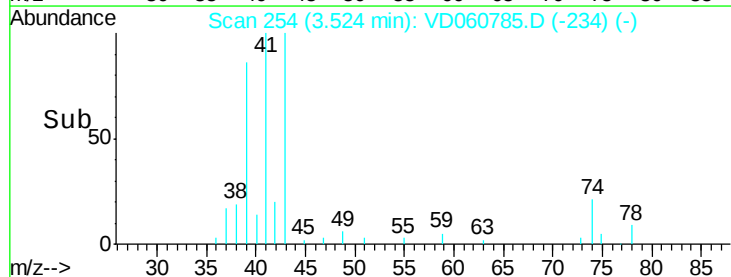
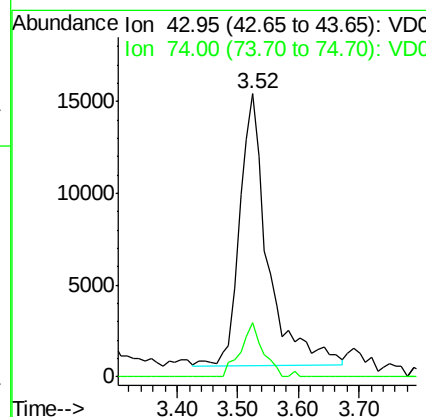
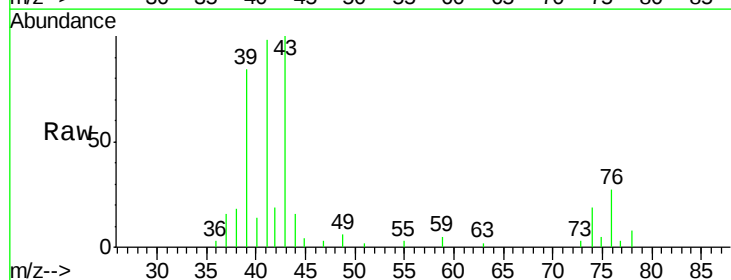
Manual Integrations
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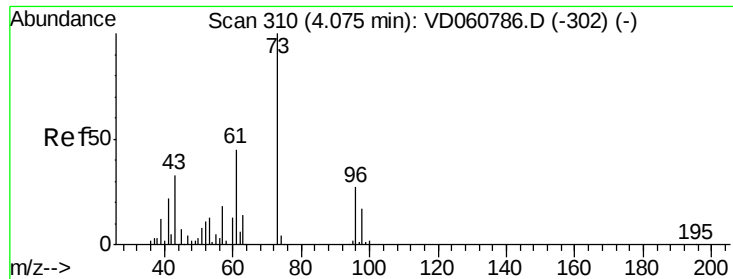
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#18
Methyl Acetate
Concen: 19.204 ug/l
RT: 3.52 min Scan# 254
Delta R.T. 0.00 min
Lab File: VD060785.D
Acq: 23 Jan 2019 16:37

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.4	10.8	16.2#





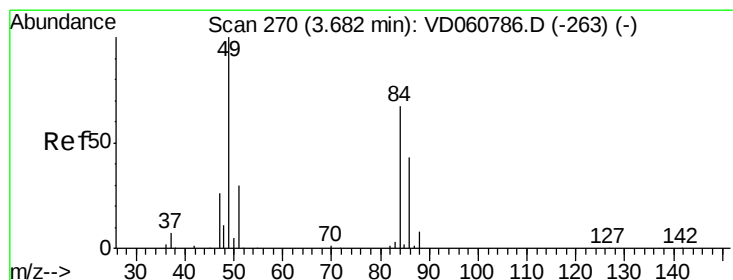
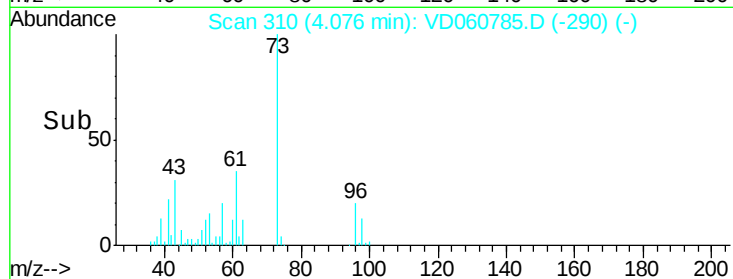
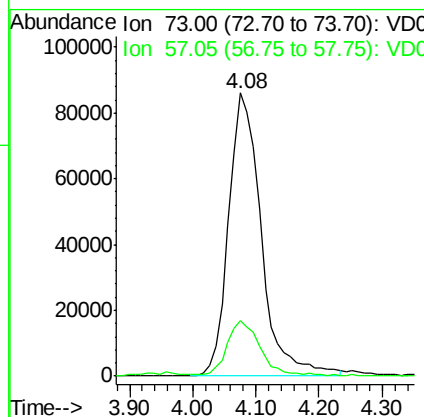
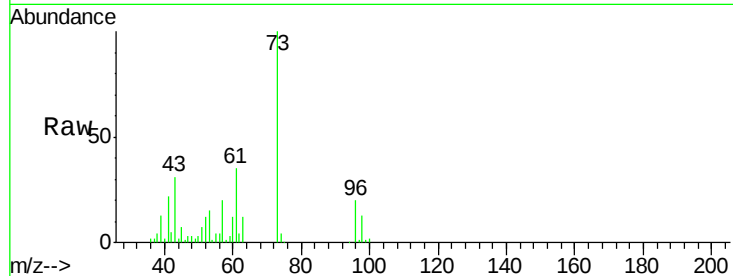
#19
Methyl tert-butyl Ether
Concen: 20.421 ug/l
RT: 4.08 min Scan# 310
Delta R.T. 0.00 min
Lab File: VD060785.D
Acq: 23 Jan 2019 16:37

Instrument :
MSVOA_D
ClientSampleID :
VSTDIC020

Tot Ion: 73 Resp: 308707
Ion Ratio Lower Upper
73 100
57 19.8 14.7 22.1

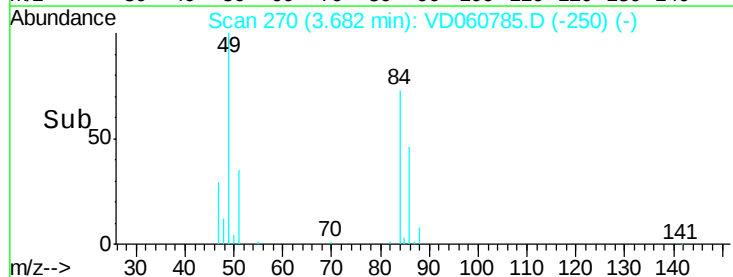
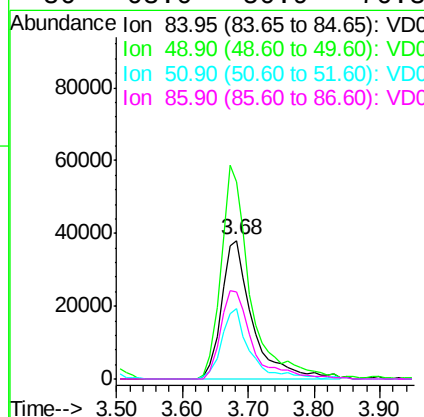
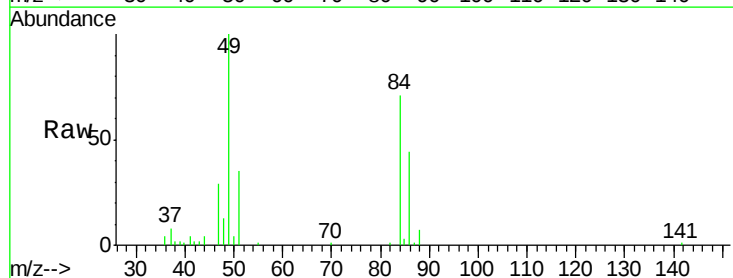
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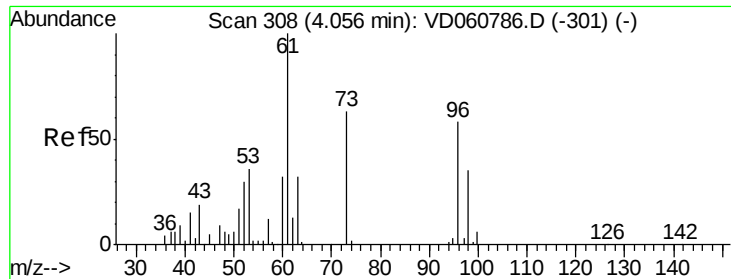
MMDadoda
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#20
Methylene Chloride
Concen: 20.187 ug/l
RT: 3.68 min Scan# 270
Delta R.T. 0.00 min
Lab File: VD060785.D
Acq: 23 Jan 2019 16:37

Tgt Ion: 84 Resp: 125021
Ion Ratio Lower Upper
84 100
49 141.8 119.6 179.4
51 50.3 36.2 54.4
86 63.0 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 20.816 ug/l

RT: 4.06 min Scan# 308

Delta R.T. 0.00 min

Lab File: VD060785.D

Acq: 23 Jan 2019 16:37

Instrument :

MSVOA_D

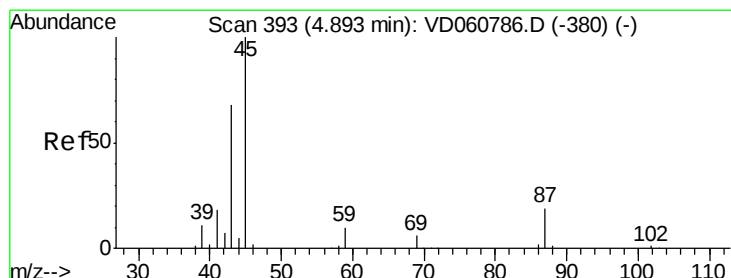
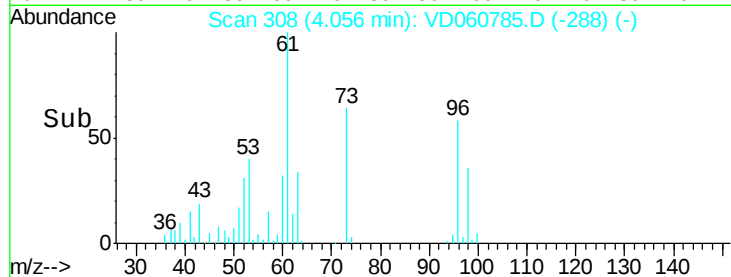
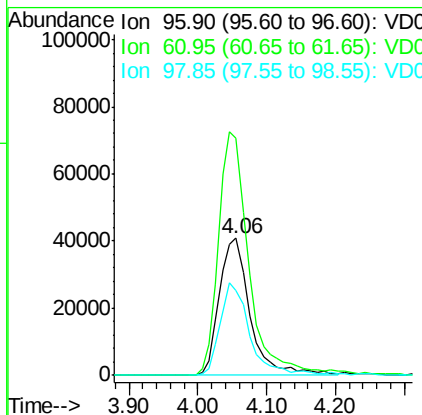
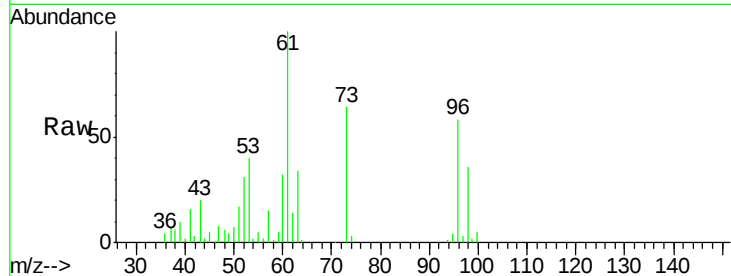
ClientSampled :

VSTDIC020

Tot Ion:	96	Resp:	126673
Ion	Ratio	Lower	Upper
96	100		
61	172.9	138.8	208.2
98	61.8	48.7	73.1

Manual Integrations
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#22

Diisopropyl ether

Concen: 19.360 ug/l

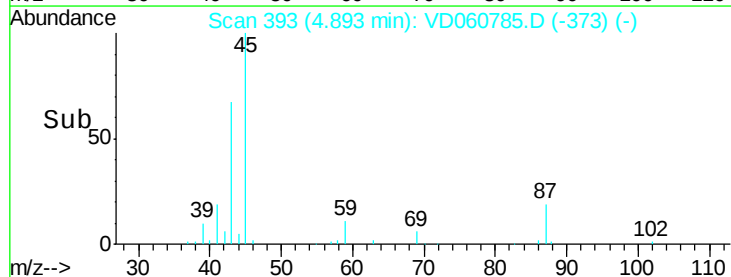
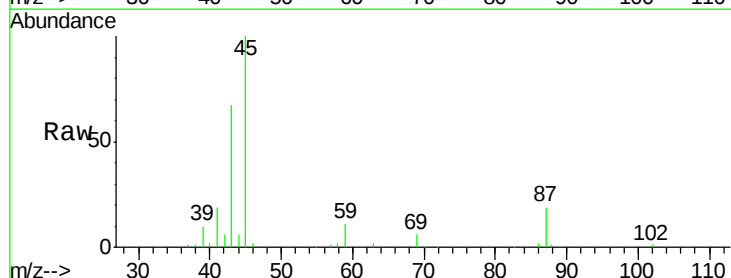
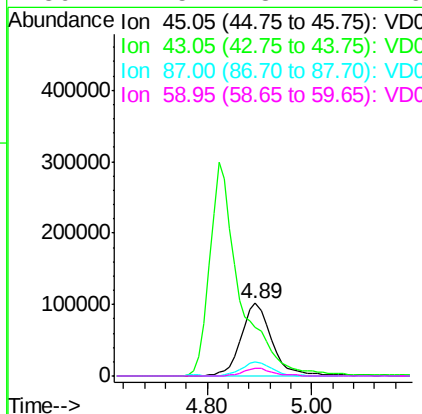
RT: 4.89 min Scan# 393

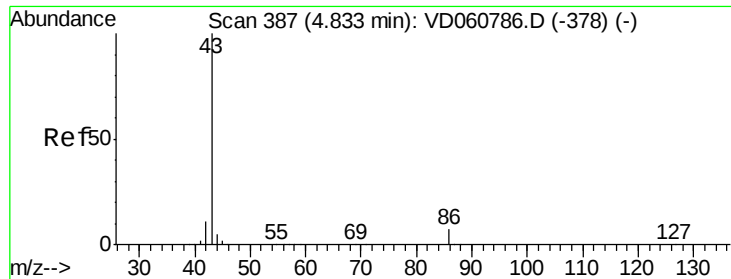
Delta R.T. 0.00 min

Lab File: VD060785.D

Acq: 23 Jan 2019 16:37

Tgt Ion:	45	Resp:	403474
Ion	Ratio	Lower	Upper
45	100		
43	67.2	54.8	82.2
87	19.0	15.5	23.3
59	11.5	8.4	12.6





#23

Vinyl Acetate

Concen: 99.013 ug/l

RT: 4.82 min Scan# 386

Delta R.T. -0.01 min

Lab File: VD060785.D

Acq: 23 Jan 2019 16:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 1180784

Ion Ratio Lower Upper

43 100

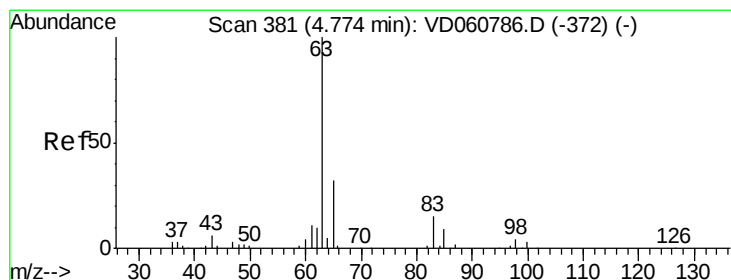
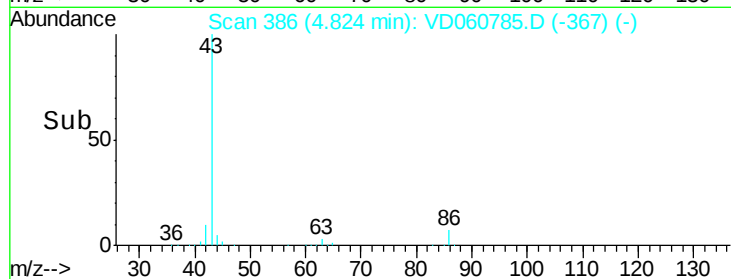
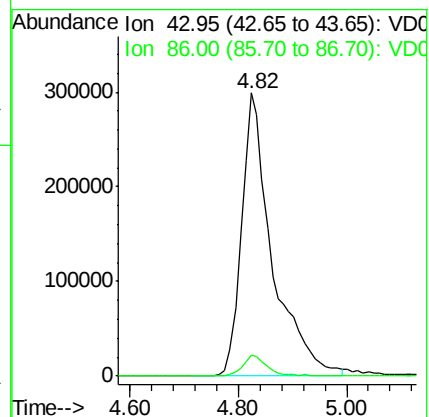
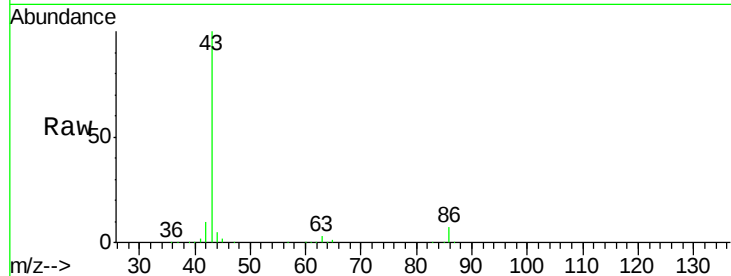
86 7.3 5.3 7.9

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 20.327 ug/l

RT: 4.76 min Scan# 380

Delta R.T. -0.01 min

Lab File: VD060785.D

Acq: 23 Jan 2019 16:37

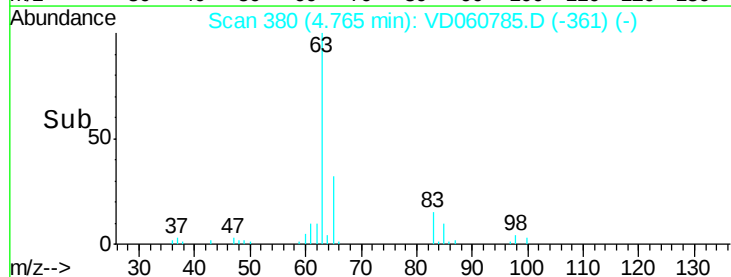
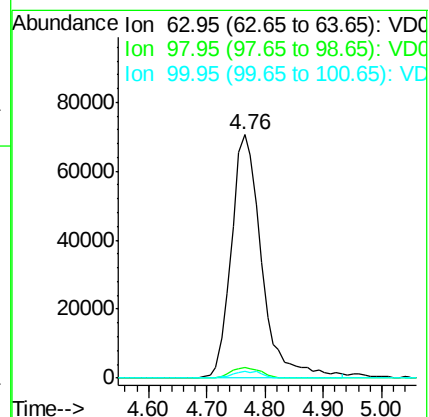
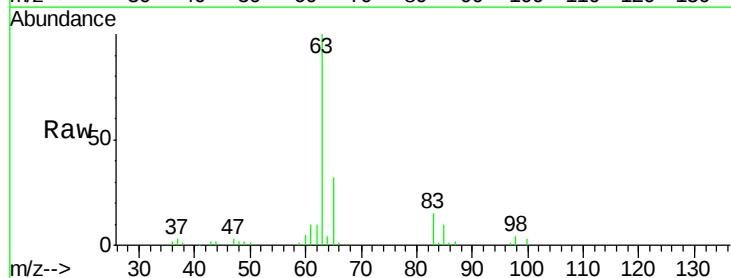
Tgt Ion: 63 Resp: 255891

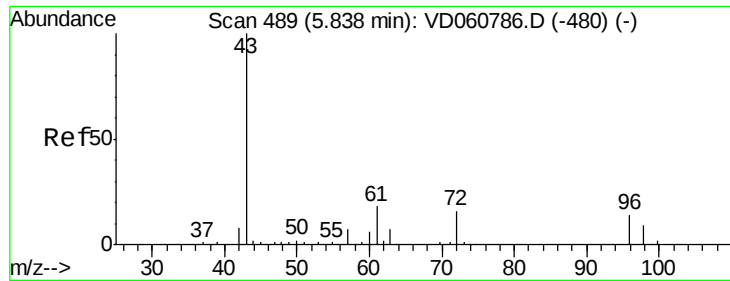
Ion Ratio Lower Upper

63 100

98 4.2 1.9 5.7

100 2.6 1.5 4.4





#25

2-Butanone

Concen: 97.834 ug/l

RT: 5.85 min Scan# 490

Delta R.T. 0.01 min

Lab File: VD060785.D

Acq: 23 Jan 2019 16:37

Instrument :

MSVOA_D

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 179821

Ion Ratio Lower Upper

43 100

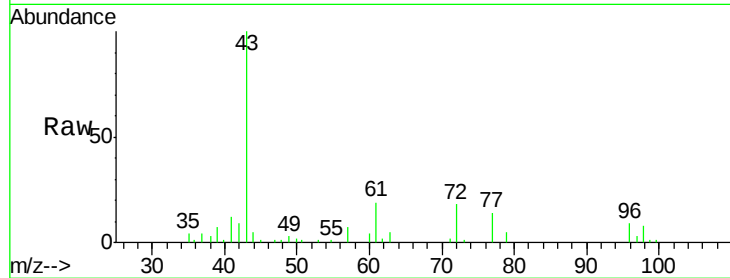
72 17.8 13.1 19.7

Manual Integrations

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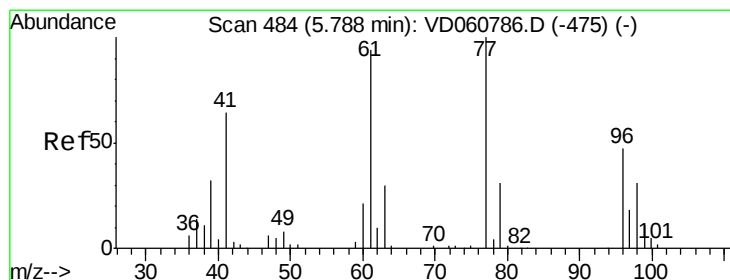
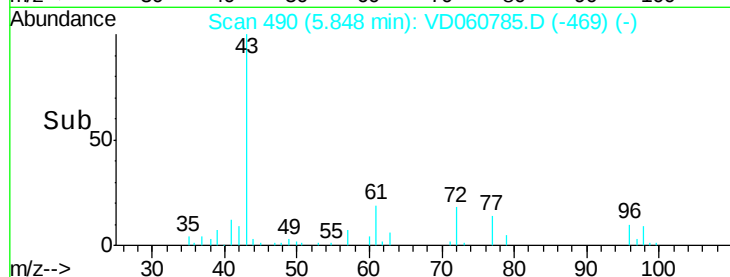
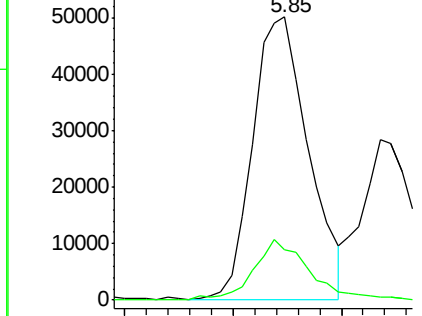
MMDadoda

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 19.366 ug/l

RT: 5.79 min Scan# 484

Delta R.T. 0.00 min

Lab File: VD060785.D

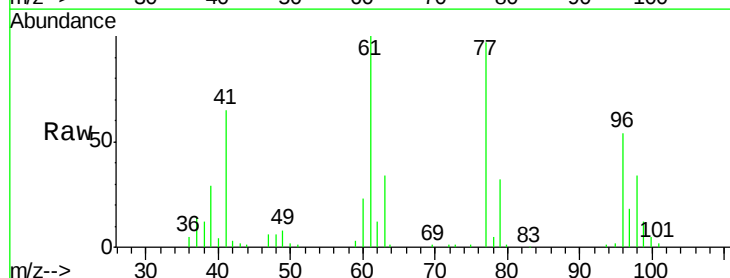
Acq: 23 Jan 2019 16:37

Tgt Ion: 77 Resp: 241584

Ion Ratio Lower Upper

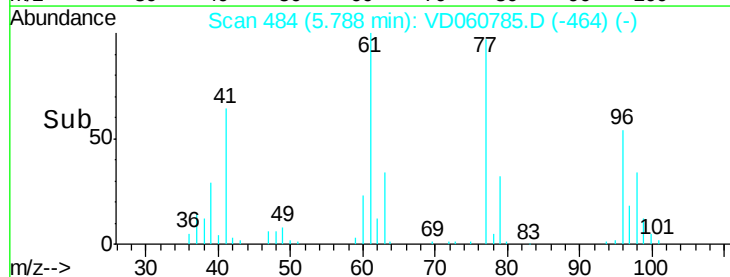
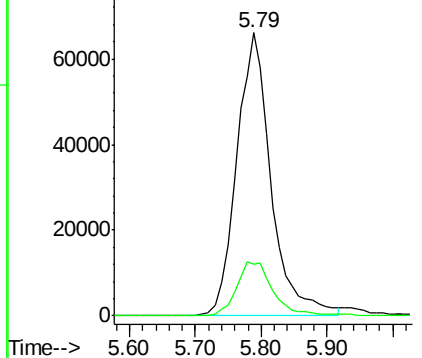
77 100

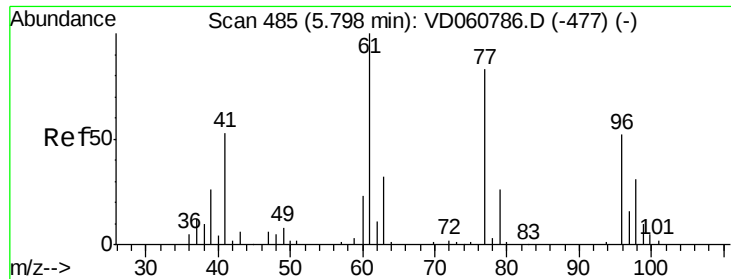
97 18.2 9.0 27.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

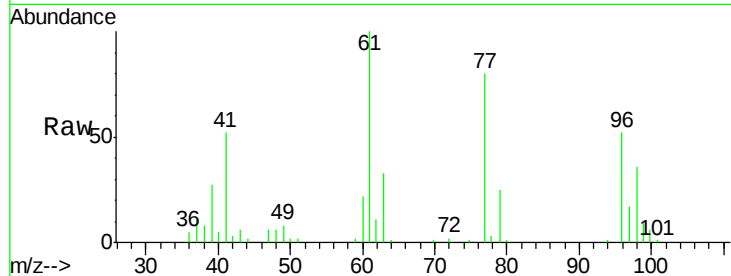
cis-1,2-Dichloroethene
Concen: 20.574 ug/l
RT: 5.80 min Scan# 485
Delta R.T. 0.00 min
Lab File: VD060785.D
Acq: 23 Jan 2019 16:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

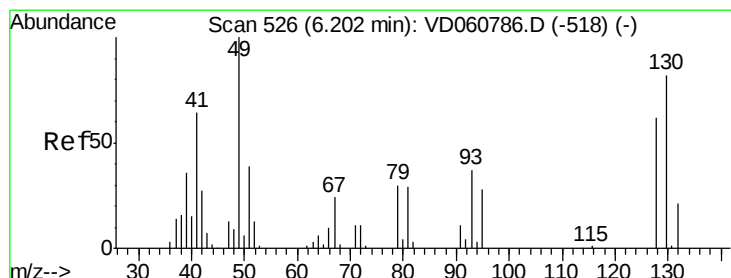
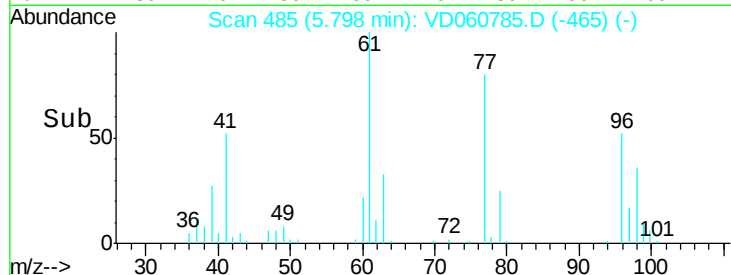
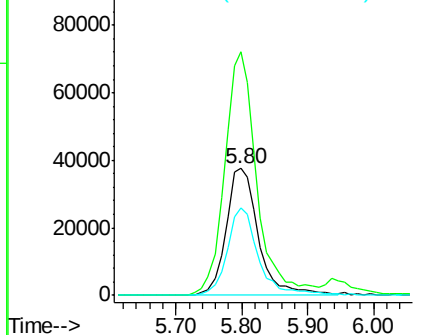
Tot Ion	Ratio	Resp	Lower	Upper
96	100	129378		
61	192.1	0.0	385.2	
98	69.2	0.0	120.6	

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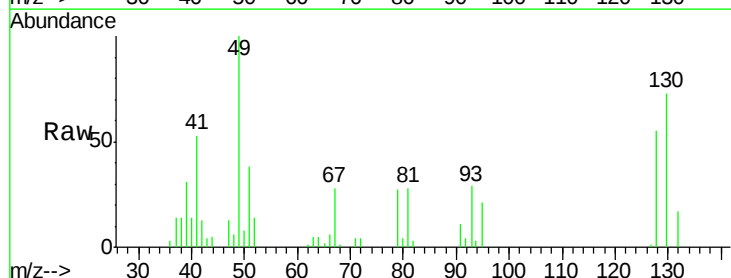
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



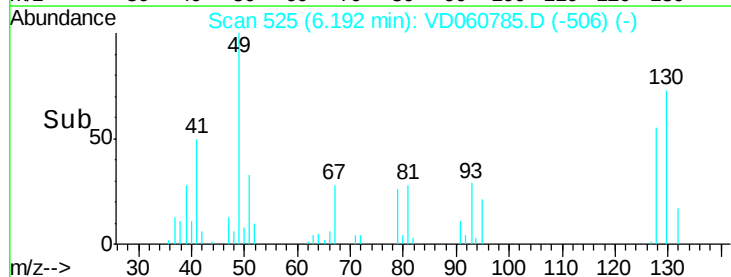
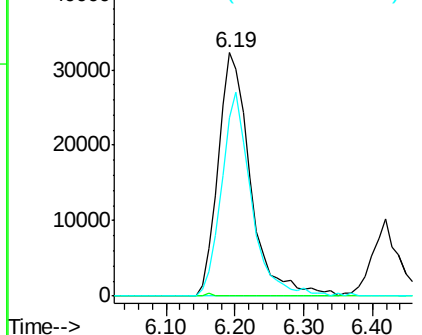
#28

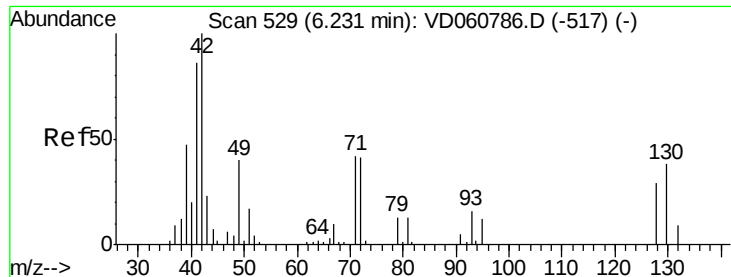
Bromochloromethane
Concen: 20.493 ug/l
RT: 6.19 min Scan# 525
Delta R.T. -0.01 min
Lab File: VD060785.D
Acq: 23 Jan 2019 16:37

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	104700		
129	0.0	0.0	0.0	
130	73.4	65.4	98.2	



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): VDC
Ion 129.80 (129.50 to 130.50): VDC





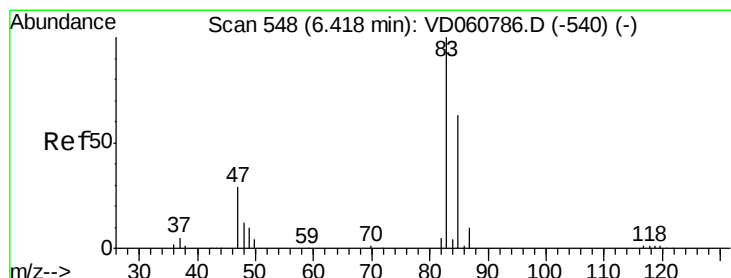
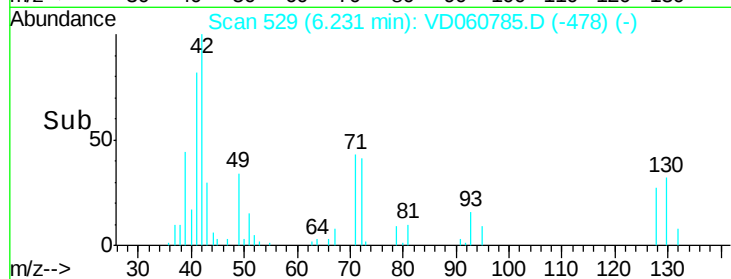
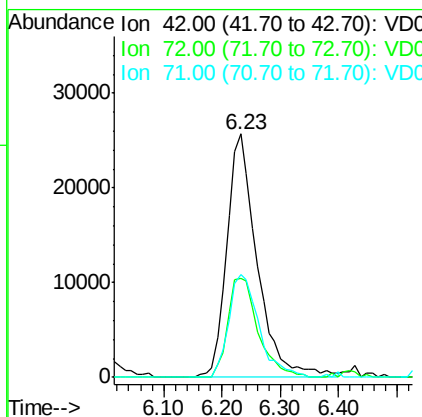
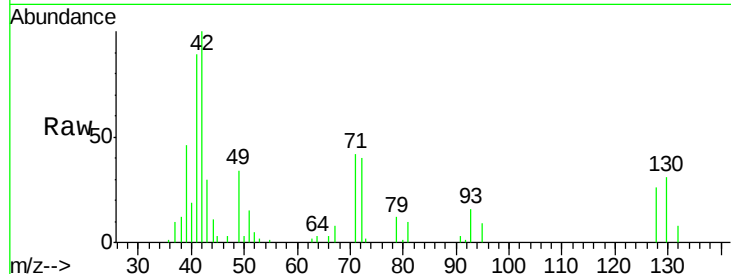
#29
Tetrahydrofuran
Concen: 104.969 ug/l
RT: 6.23 min Scan# 529
Delta R.T. 0.00 min
Lab File: VD060785.D
Acq: 23 Jan 2019 16:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.7	33.6	50.4
71	42.1	34.6	51.8

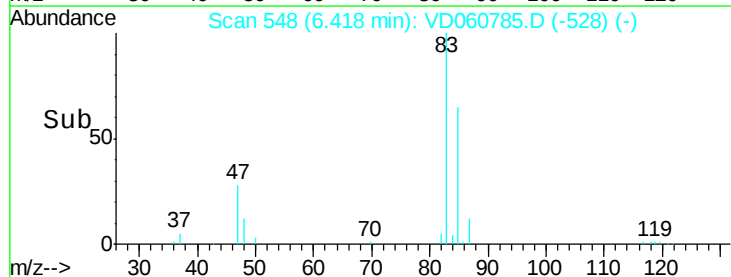
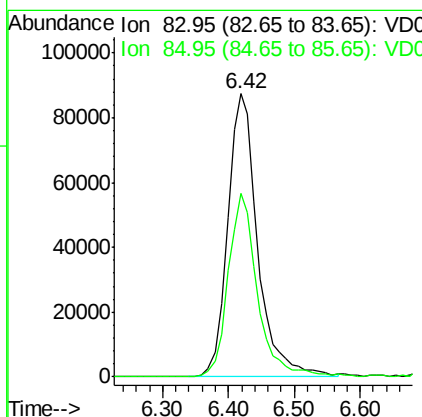
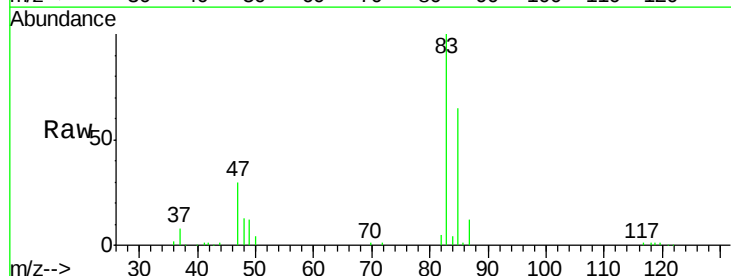
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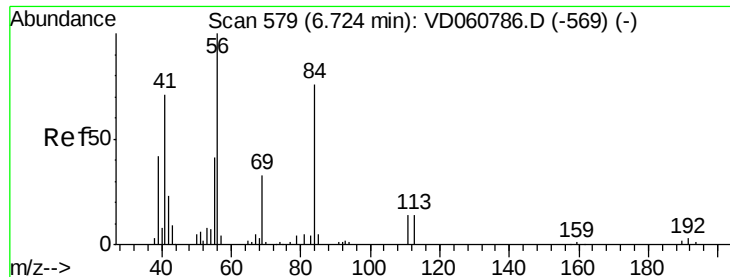
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#30
Chloroform
Concen: 18.883 ug/l
RT: 6.42 min Scan# 548
Delta R.T. 0.00 min
Lab File: VD060785.D
Acq: 23 Jan 2019 16:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	50.3	75.5





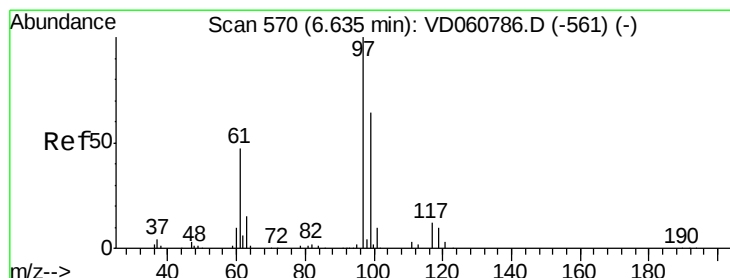
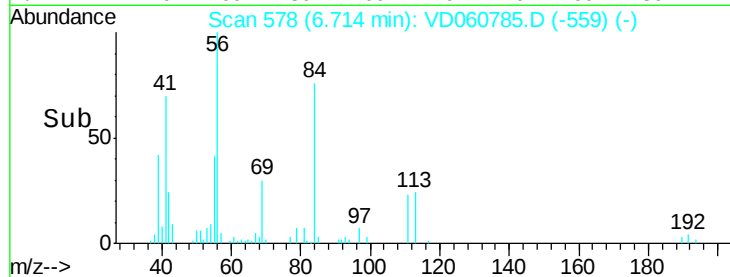
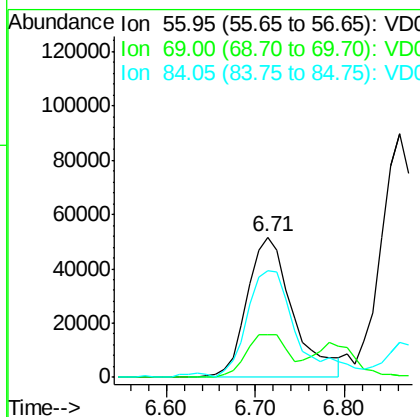
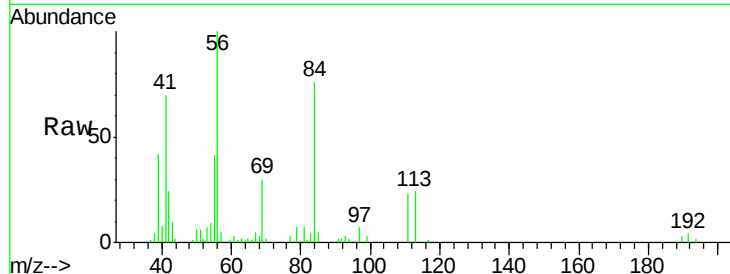
#31
Cvclohexane
Concen: 19.759 ug/l
RT: 6.71 min Scan# 578
Delta R.T. -0.01 min
Lab File: VD060785.D
Acq: 23 Jan 2019 16:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.5	26.2	39.2
84	76.1	63.0	94.6

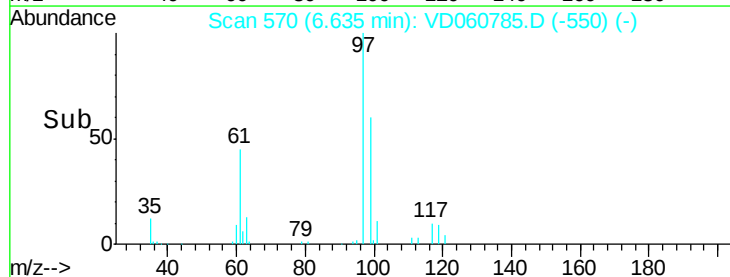
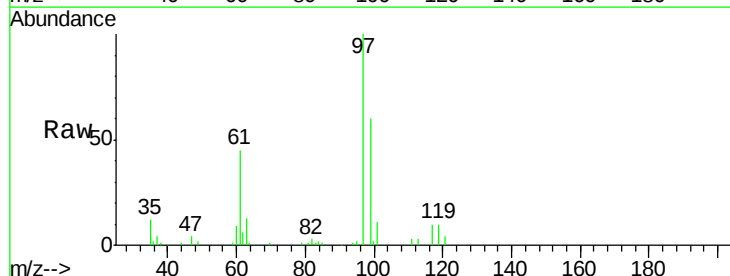
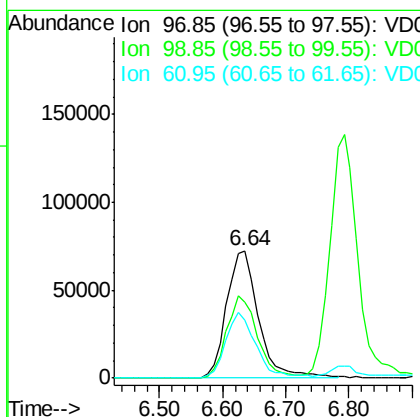
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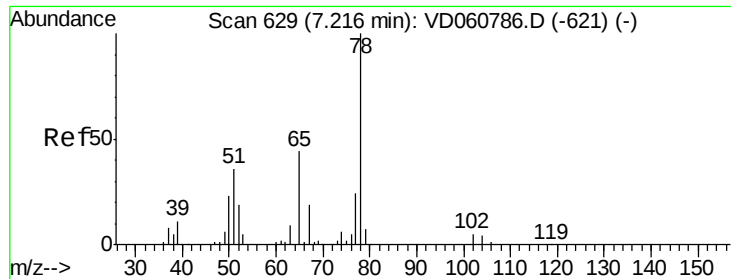
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#32
1,1,1-Trichloroethane
Concen: 18.298 ug/l
RT: 6.64 min Scan# 570
Delta R.T. 0.00 min
Lab File: VD060785.D
Acq: 23 Jan 2019 16:37

Tgt Ion	Ratio	Lower	Upper
97	100		
99	60.0	50.8	76.2
61	45.4	37.7	56.5





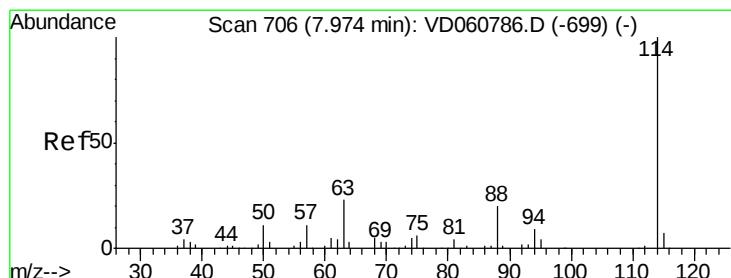
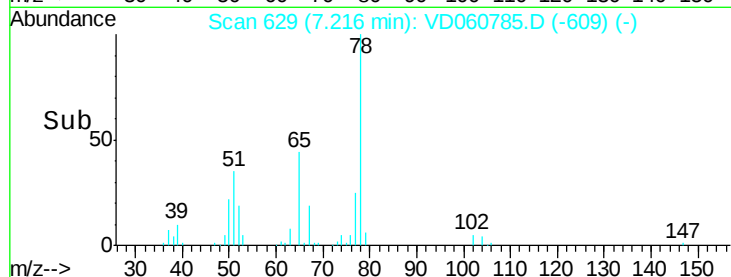
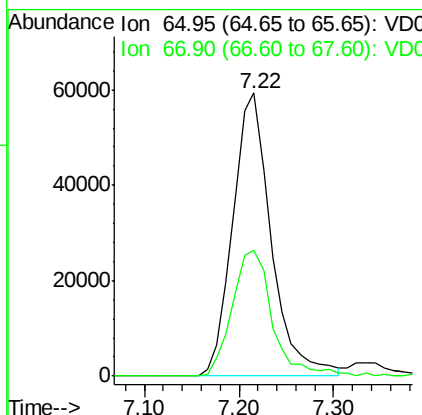
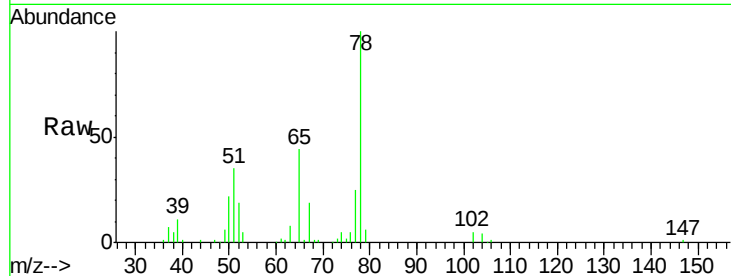
#33
 1,2-Dichloroethane-d4
 Concen: 18.298 ug/l
 RT: 7.22 min Scan# 629
 Delta R.T. 0.00 min
 Lab File: VD060785.D
 Acq: 23 Jan 2019 16:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
65	100	166816		
67	44.4	0.0	86.0	

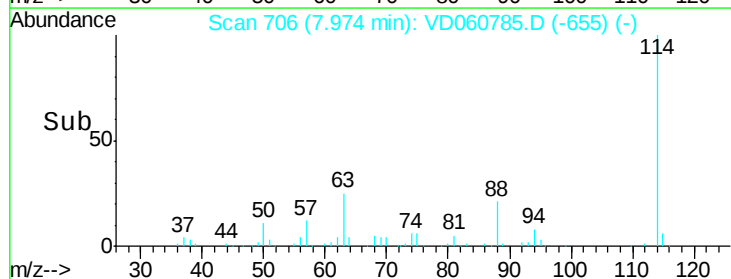
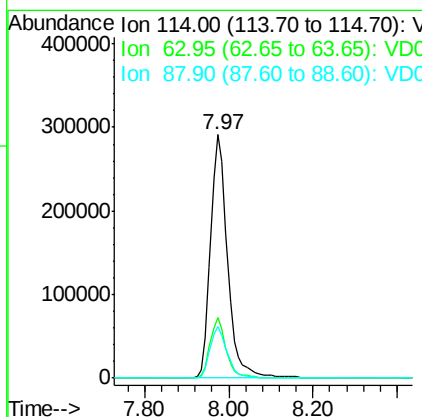
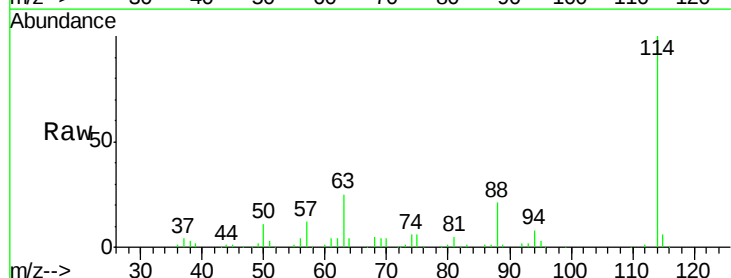
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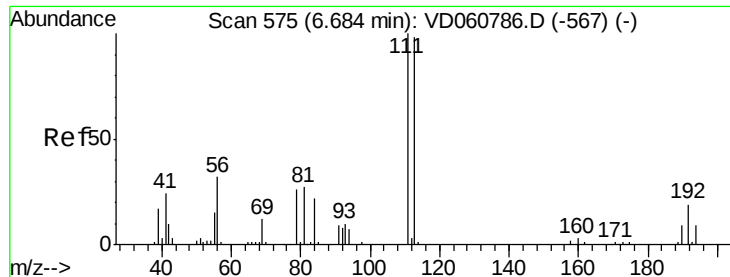
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.97 min Scan# 706
 Delta R.T. 0.00 min
 Lab File: VD060785.D
 Acq: 23 Jan 2019 16:37

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	821340		
63	24.7	0.0	46.4	
88	21.2	0.0	39.6	





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.67 min Scan# 574

Delta R.T. -0.01 min

Lab File: VD060785.D

Acq: 23 Jan 2019 16:37

Instrument :

MSVOA_D

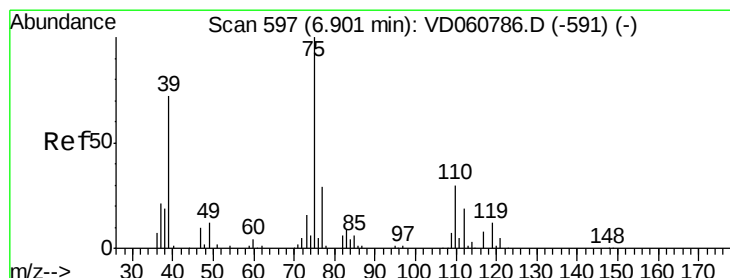
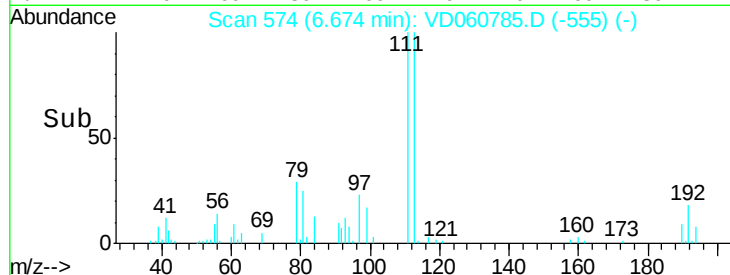
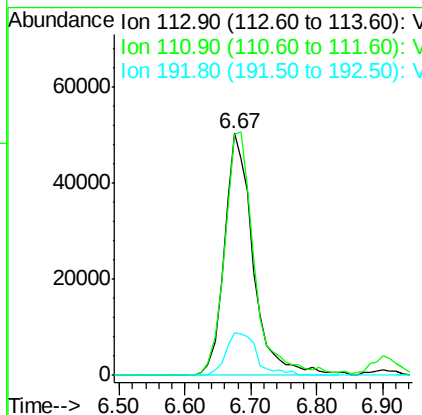
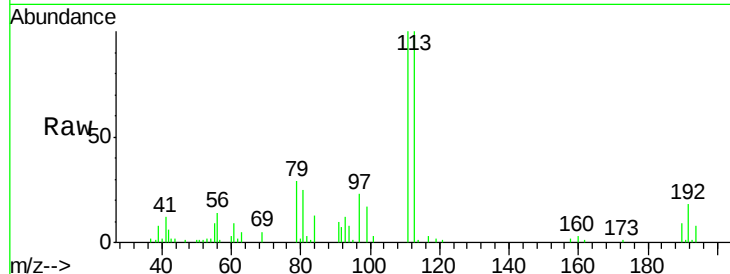
ClientSampleId :

VSTDIC020

Tot Ion:	113	Resp:	153390
Ion Ratio	Lower	Upper	
113	100		
111	99.6	81.4	122.0
192	17.8	15.3	22.9

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#36

1,1-Dichloropropene

Concen: 20.736 ug/l

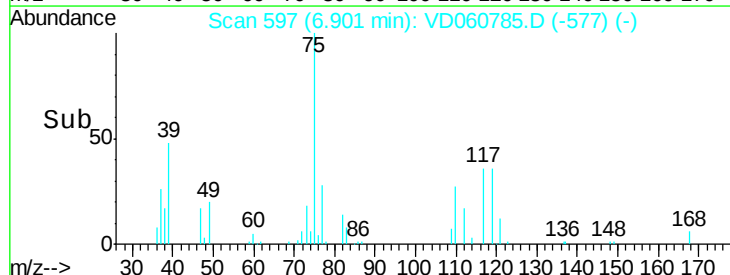
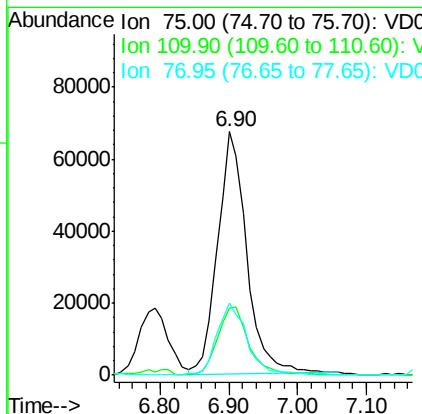
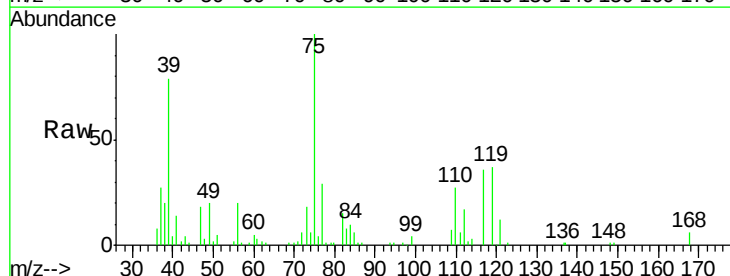
RT: 6.90 min Scan# 597

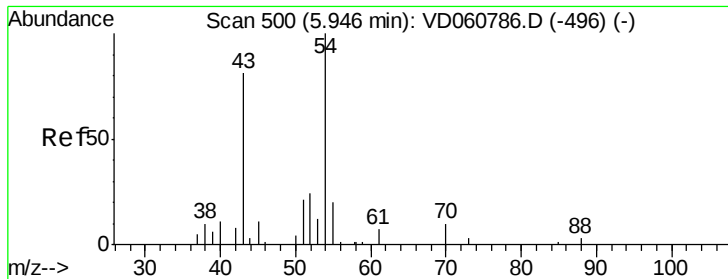
Delta R.T. 0.00 min

Lab File: VD060785.D

Acq: 23 Jan 2019 16:37

Tgt Ion:	75	Resp:	195967
Ion Ratio	Lower	Upper	
75	100		
110	27.3	14.8	44.3
77	29.4	23.1	34.7





#37

Ethyl Acetate

Concen: 23.778 ug/l

RT: 5.94 min Scan# 499

Delta R.T. -0.01 min

Lab File: VD060785.D

Acq: 23 Jan 2019 16:37

Instrument :

MSVOA_D

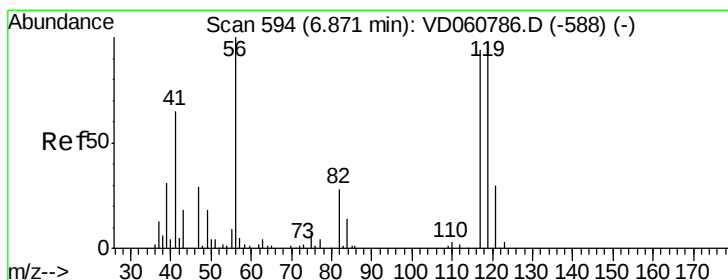
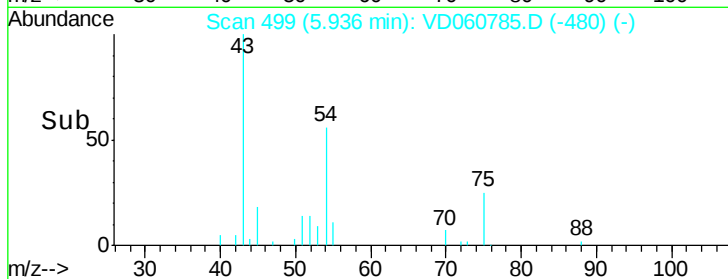
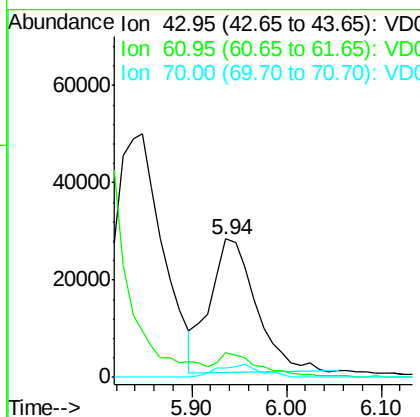
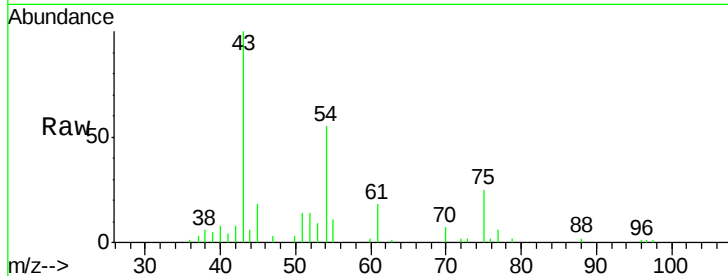
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	93393
Ion	Ratio	Lower	Upper
43	100		
61	17.7	12.2	18.4
70	6.9	6.8	10.2

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#38

Carbon Tetrachloride

Concen: 20.021 ug/l

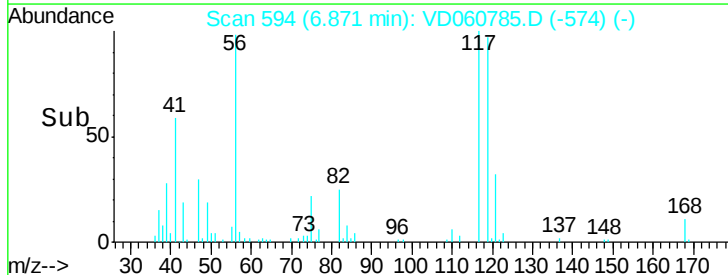
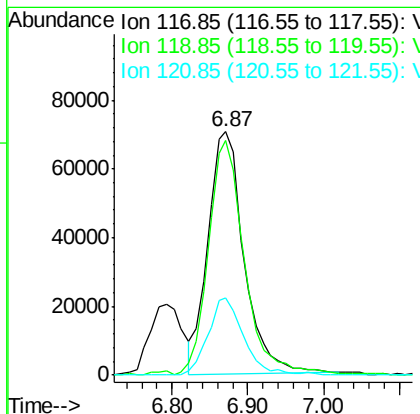
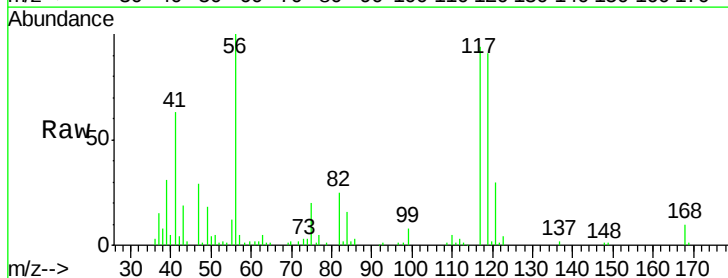
RT: 6.87 min Scan# 594

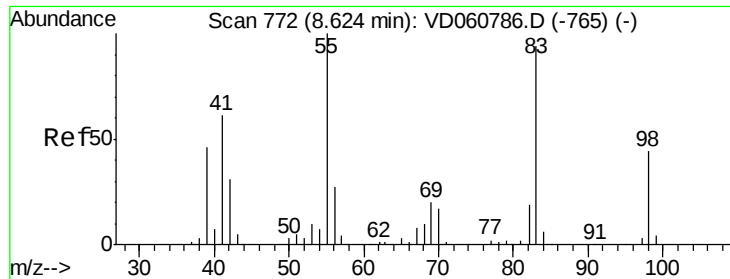
Delta R.T. 0.00 min

Lab File: VD060785.D

Acq: 23 Jan 2019 16:37

Tgt Ion:	117	Resp:	233192
Ion	Ratio	Lower	Upper
117	100		
119	96.3	77.5	116.3
121	31.7	24.2	36.2





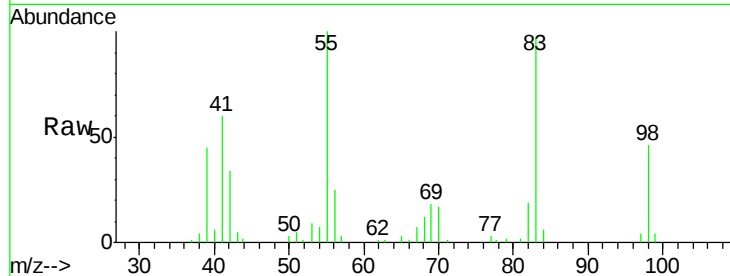
#39
Methvlcvclohexane
Concen: 20.281 ug/l
RT: 8.63 min Scan# 773
Delta R.T. 0.01 min
Lab File: VD060785.D
Acq: 23 Jan 2019 16:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

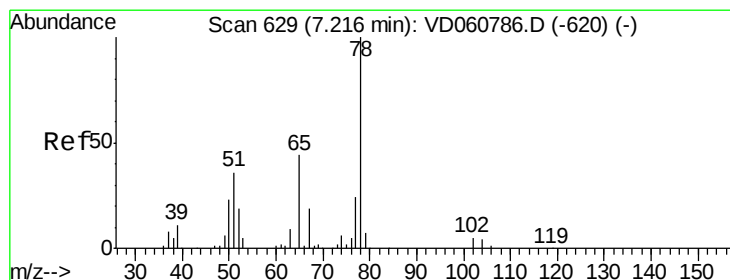
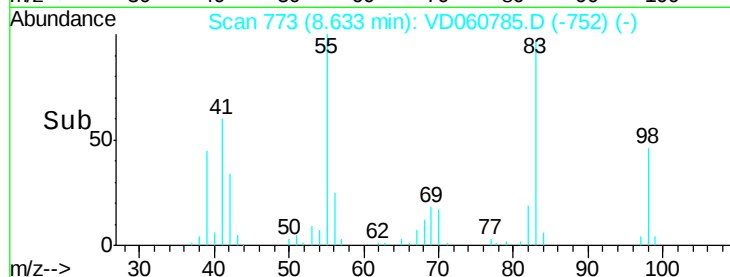
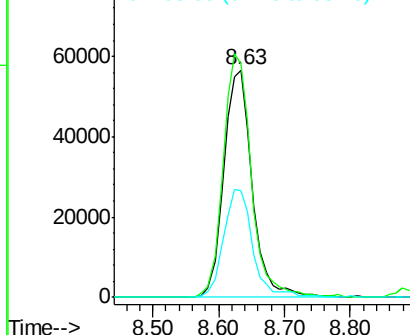
Tot Ion	83	Resp	170872
Ion Ratio	100	Lower	Upper
83	100		
55	103.0	85.2	127.8
98	47.0	37.7	56.5

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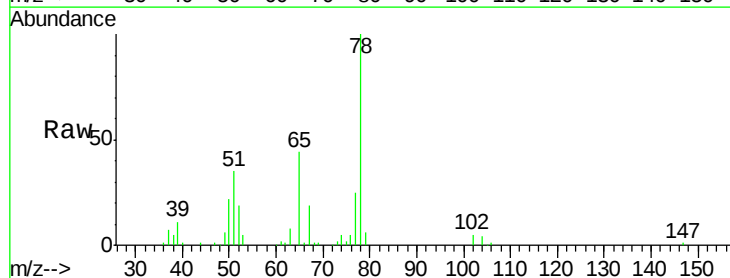


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

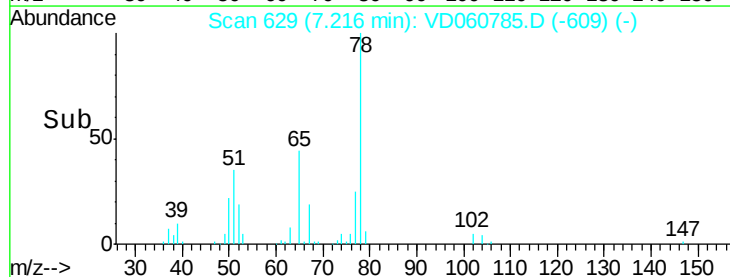
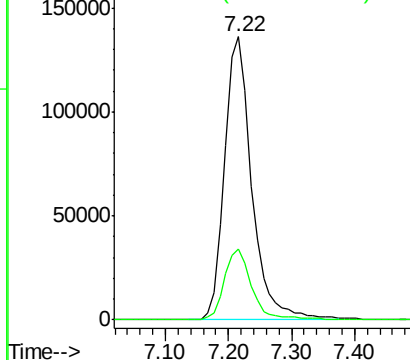


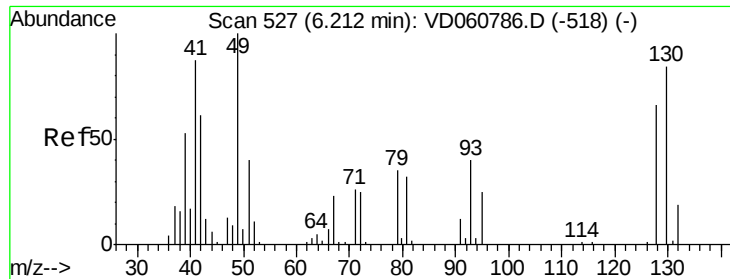
#40
Benzene
Concen: 21.150 ug/l
RT: 7.22 min Scan# 629
Delta R.T. 0.00 min
Lab File: VD060785.D
Acq: 23 Jan 2019 16:37

Tgt Ion	78	Resp	407542
Ion Ratio	100	Lower	Upper
78	100		
77	25.0	19.0	28.4



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 22.281 ug/l m

RT: 6.22 min Scan# 528

Delta R.T. 0.01 min

Lab File: VD060785.D

Acq: 23 Jan 2019 16:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 41 Resp: 65358

Ion Ratio Lower Upper

41 100

39 56.6 49.4 74.2

67 15.8 20.7 31.1#

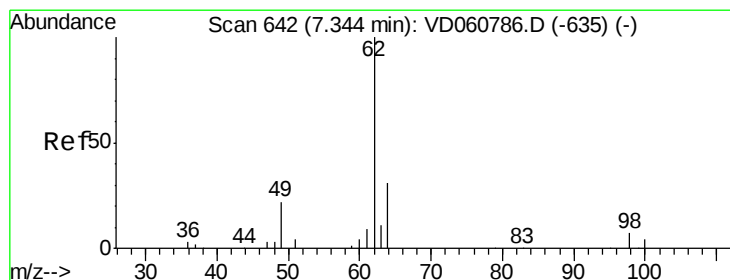
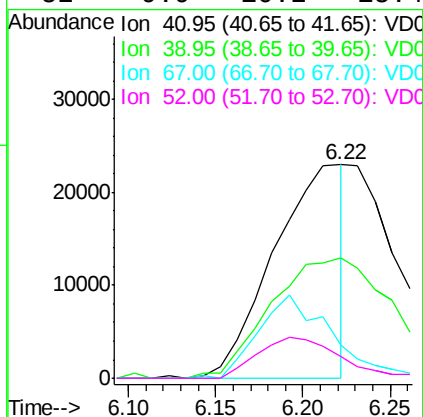
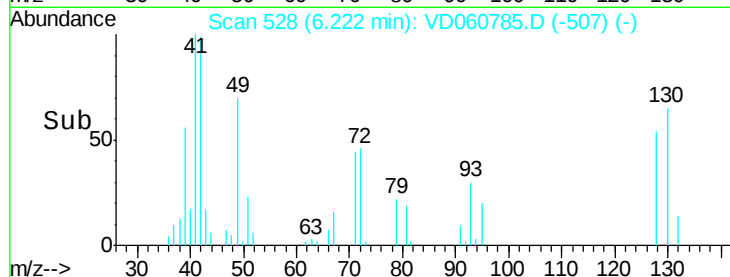
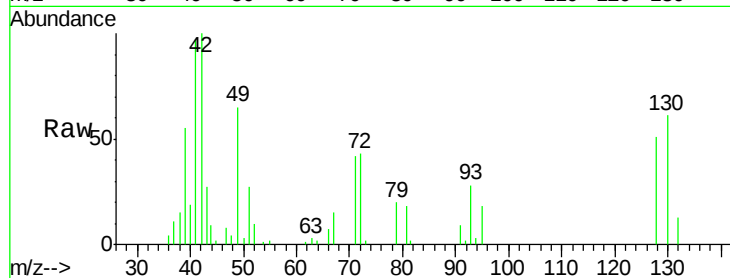
52 9.9 10.2 15.4#

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#42

1,2-Dichloroethane

Concen: 20.219 ug/l

RT: 7.33 min Scan# 641

Delta R.T. -0.01 min

Lab File: VD060785.D

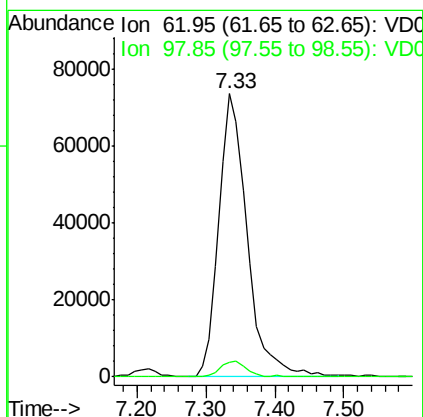
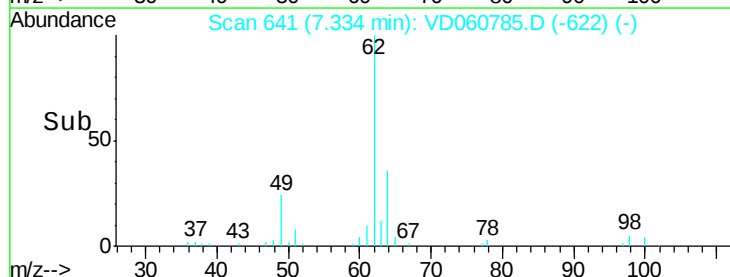
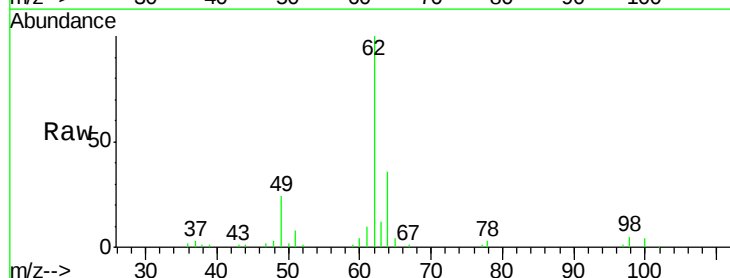
Acq: 23 Jan 2019 16:37

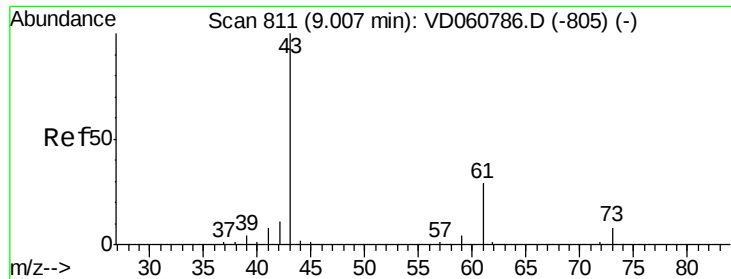
Tgt Ion: 62 Resp: 211372

Ion Ratio Lower Upper

62 100

98 5.1 0.0 13.6





#43

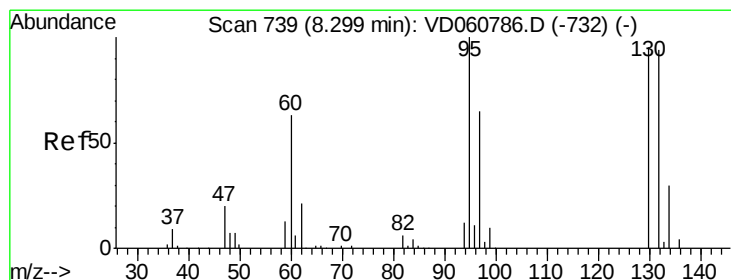
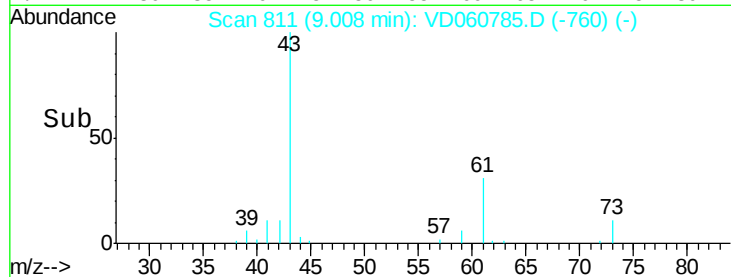
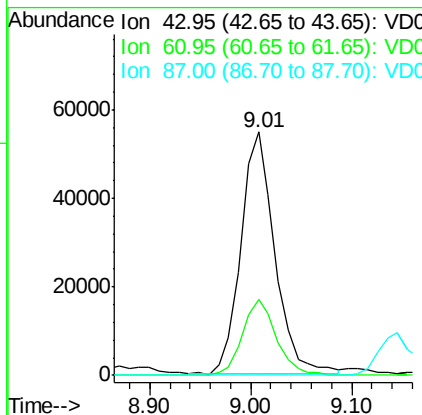
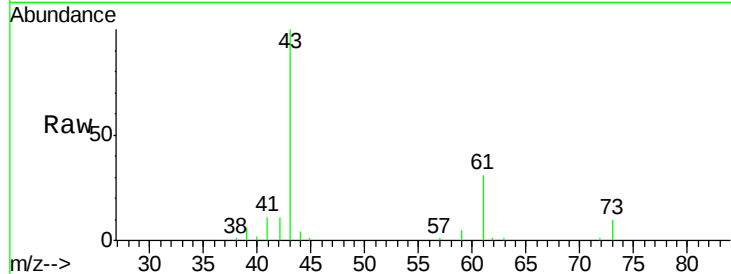
Isopropyl Acetate
 Concen: 20.919 ug/l
 RT: 9.01 min Scan# 811
 Delta R.T. 0.00 min
 Lab File: VD060785.D
 Acq: 23 Jan 2019 16:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	31.0	23.2	34.8
87	0.0	0.0	0.0

Manual Integrations
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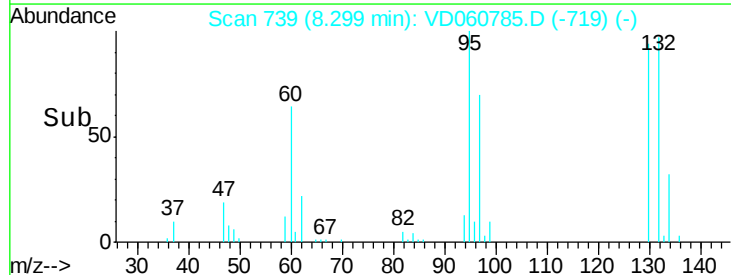
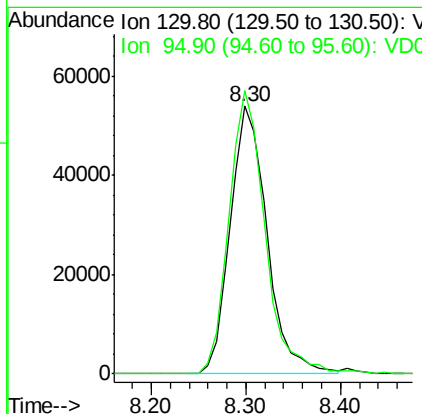
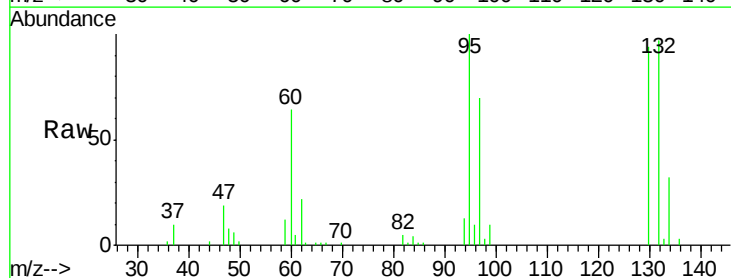
MMDadoda
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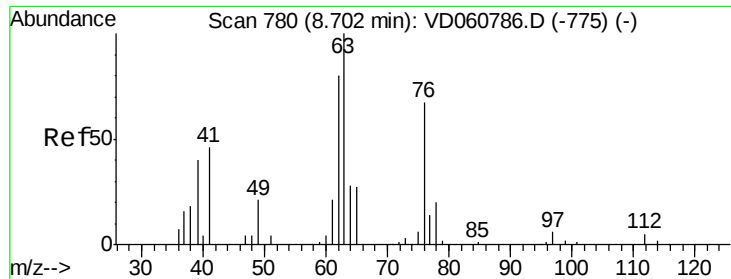


#44

Trichloroethene
 Concen: 21.211 ug/l
 RT: 8.30 min Scan# 739
 Delta R.T. 0.00 min
 Lab File: VD060785.D
 Acq: 23 Jan 2019 16:37

Tgt Ion	Ratio	Lower	Upper
130	100		
95	105.9	0.0	211.6





#45

1,2-Dichloropropane

Concen: 21.699 ug/l

RT: 8.70 min Scan# 780

Delta R.T. 0.00 min

Lab File: VD060785.D

Acq: 23 Jan 2019 16:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 63 Resp: 108504

Ion Ratio Lower Upper

63 100

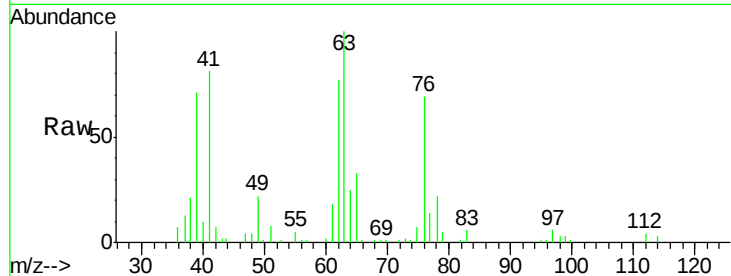
65 32.9 23.0 34.6

Manual Integrations

APPROVED

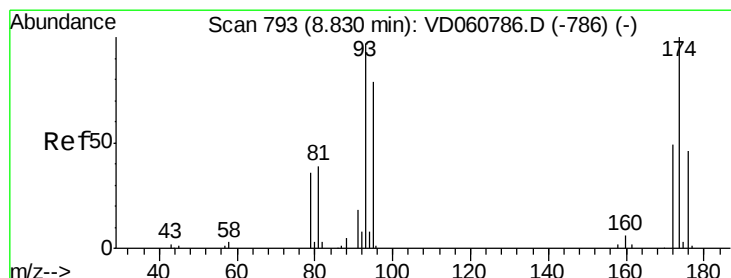
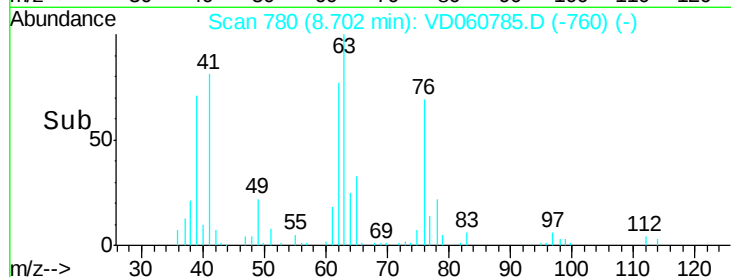
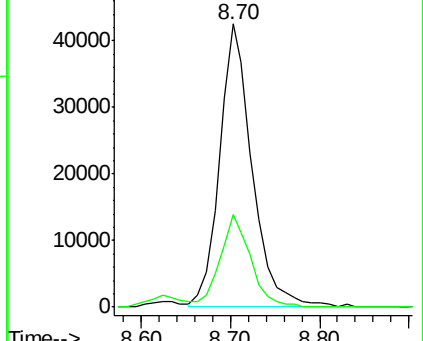
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Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 20.174 ug/l

RT: 8.83 min Scan# 793

Delta R.T. 0.00 min

Lab File: VD060785.D

Acq: 23 Jan 2019 16:37

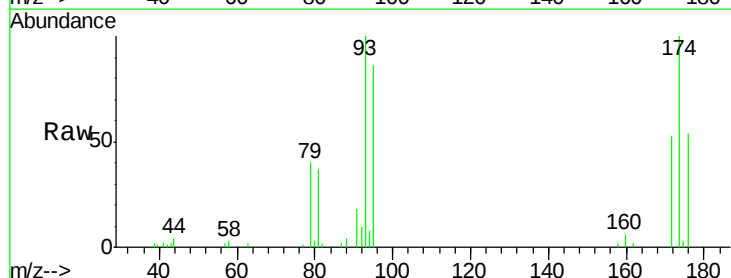
Tgt Ion: 93 Resp: 82516

Ion Ratio Lower Upper

93 100

95 85.7 65.2 97.8

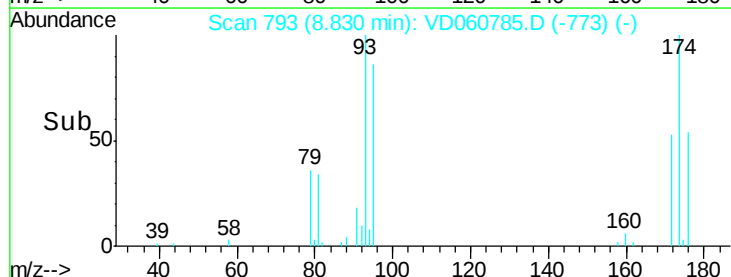
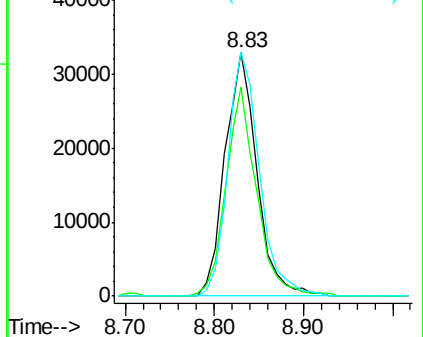
174 100.1 82.1 123.1

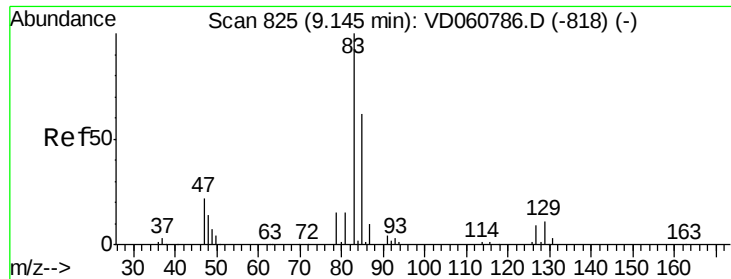


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 22.633 ug/l

RT: 9.15 min Scan# 825

Delta R.T. 0.00 min

Lab File: VD060785.D

Acq: 23 Jan 2019 16:37

Instrument :

MSVOA_D

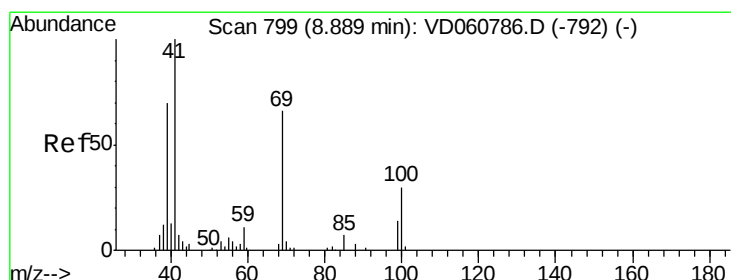
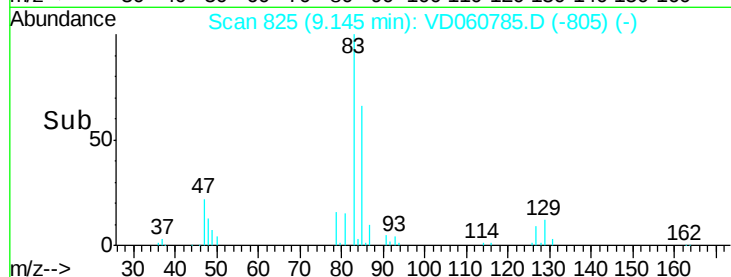
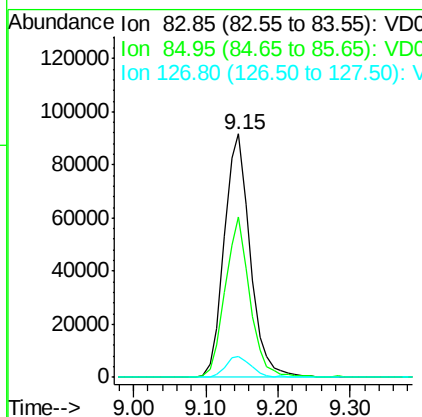
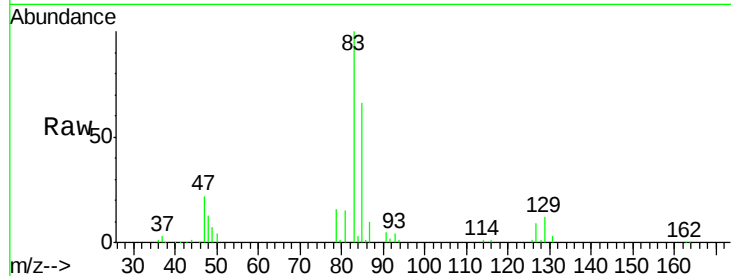
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	228048
Ion	Ratio	Lower	Upper
83	100		
85	65.9	49.8	74.6
127	8.8	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.008 ug/l

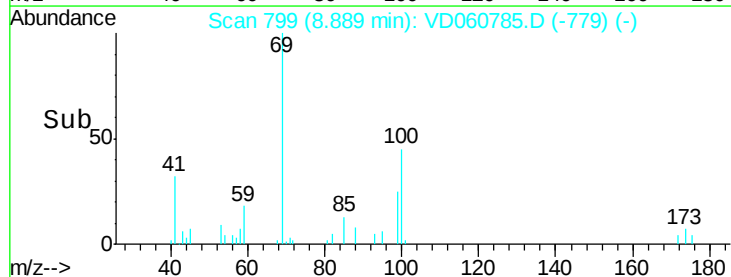
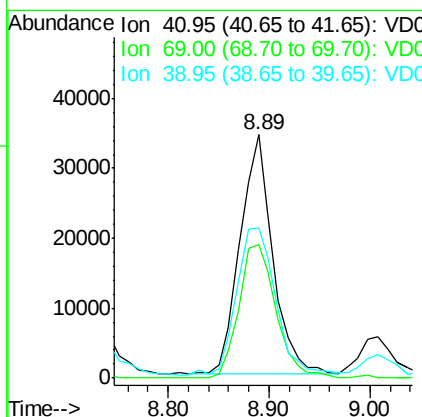
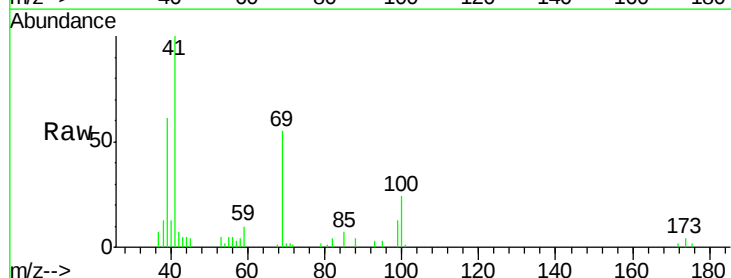
RT: 8.89 min Scan# 799

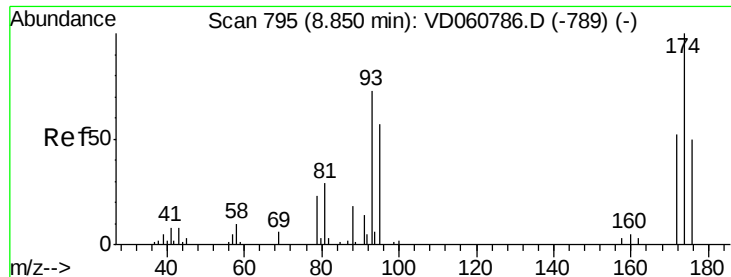
Delta R.T. 0.00 min

Lab File: VD060785.D

Acq: 23 Jan 2019 16:37

Tgt Ion:	41	Resp:	77379
Ion	Ratio	Lower	Upper
41	100		
69	55.0	52.2	78.4
39	61.4	56.3	84.5





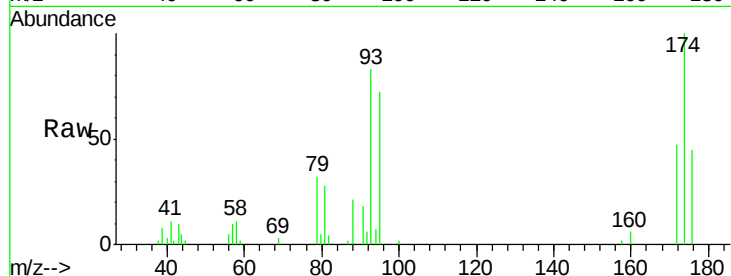
#49
1,4-Dioxane
Concen: 414.195 ug/l
RT: 8.85 min Scan# 795
Delta R.T. 0.00 min
Lab File: VD060785.D
Acq: 23 Jan 2019 16:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

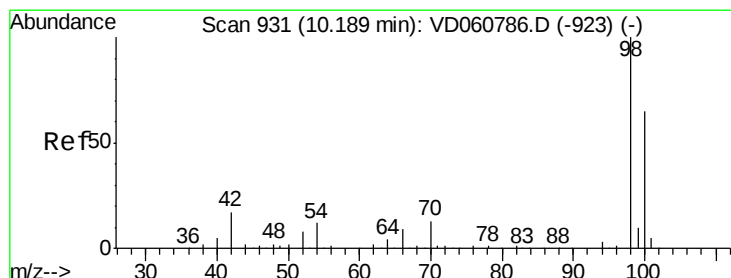
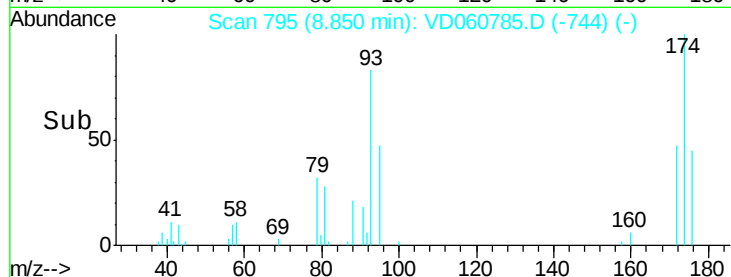
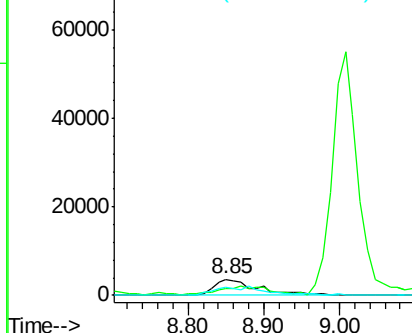
Tot Ion	88	Resp	14234
Ion Ratio	Lower	Upper	
88	100		
43	46.0	36.2	54.2
58	52.1	47.3	70.9

Manual Integrations
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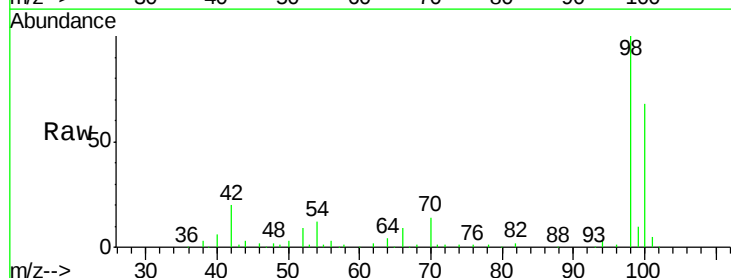


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

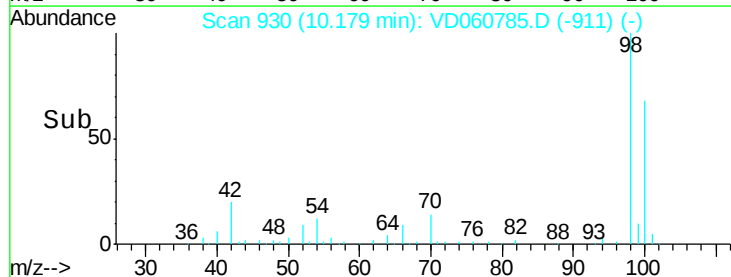
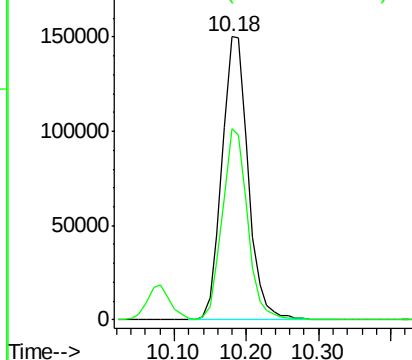


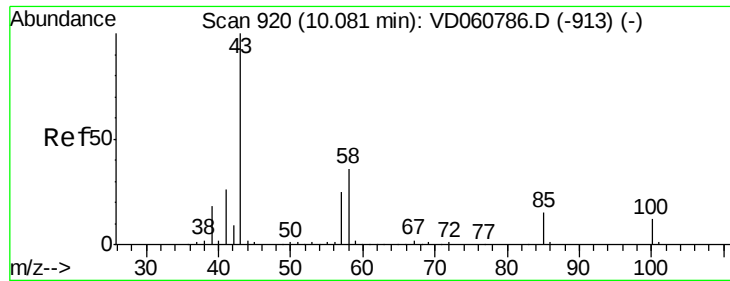
#50
Toluene-d8
Concen: 414.195 ug/l
RT: 10.18 min Scan# 930
Delta R.T. -0.01 min
Lab File: VD060785.D
Acq: 23 Jan 2019 16:37

Tgt Ion	98	Resp	376422
Ion Ratio	Lower	Upper	
98	100		
100	67.8	53.4	80.2



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 100.514 ug/l

RT: 10.07 min Scan# 919

Delta R.T. -0.01 min

Lab File: VD060785.D

Acq: 23 Jan 2019 16:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 398882

Ion Ratio Lower Upper

43 100

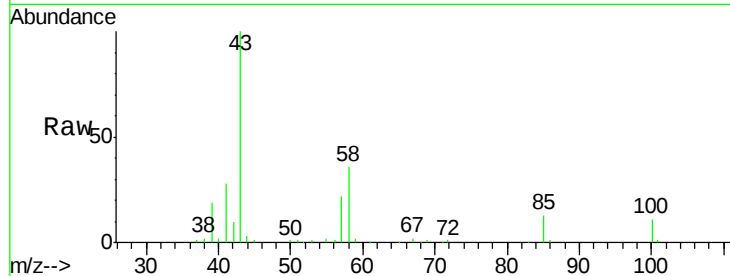
58 35.8 29.0 43.6

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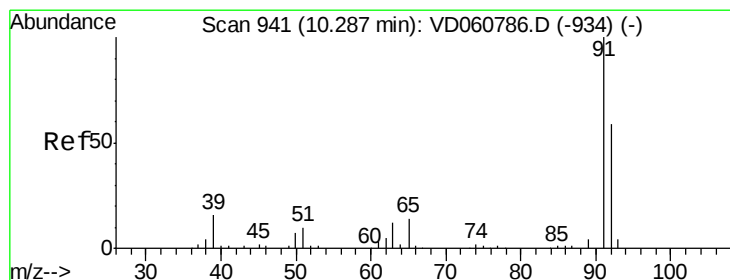
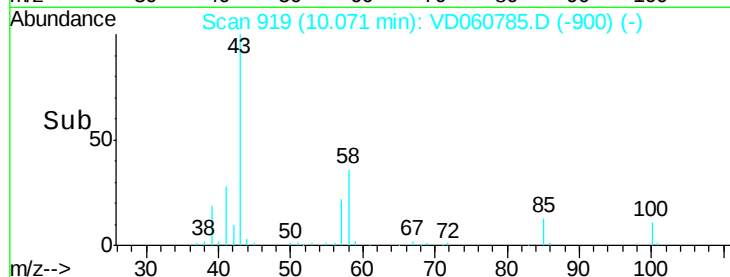
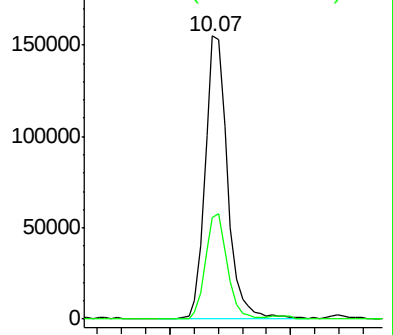
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 21.873 ug/l

RT: 10.29 min Scan# 941

Delta R.T. 0.00 min

Lab File: VD060785.D

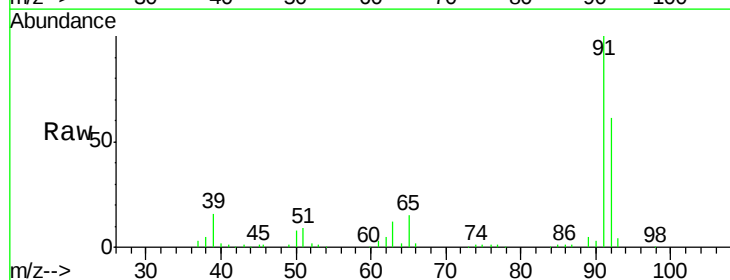
Acq: 23 Jan 2019 16:37

Tgt Ion: 92 Resp: 263776

Ion Ratio Lower Upper

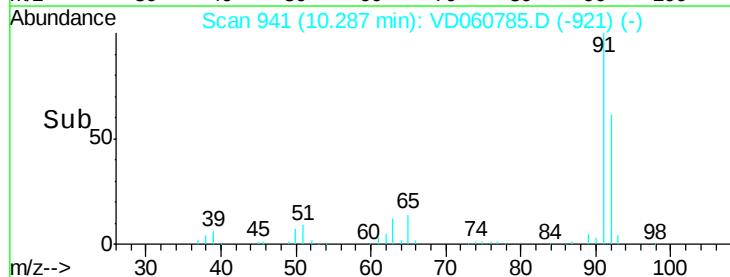
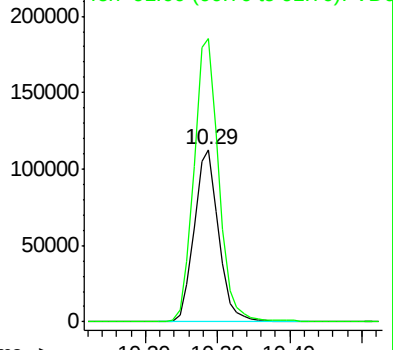
92 100

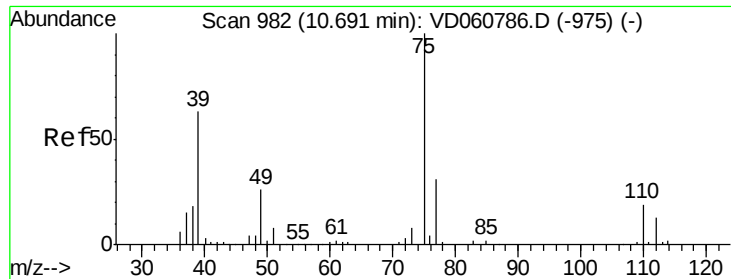
91 164.3 135.1 202.7



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 18.758 ug/l

RT: 10.69 min Scan# 982

Delta R.T. 0.00 min

Lab File: VD060785.D

Acq: 23 Jan 2019 16:37

Tot Ion: 75 Resp: 184942

Ion Ratio Lower Upper

75 100

77 29.7 24.4 36.6

Instrument :

MSVOA_D

ClientSampleId :

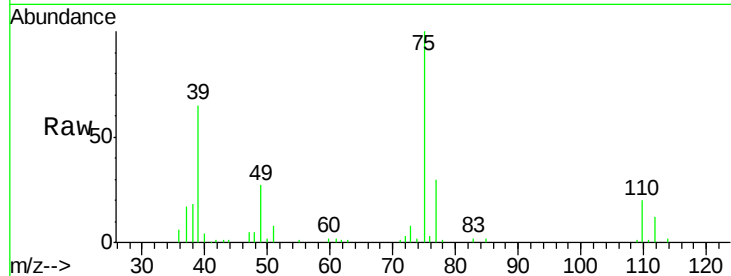
VSTDIC020

Manual Integrations

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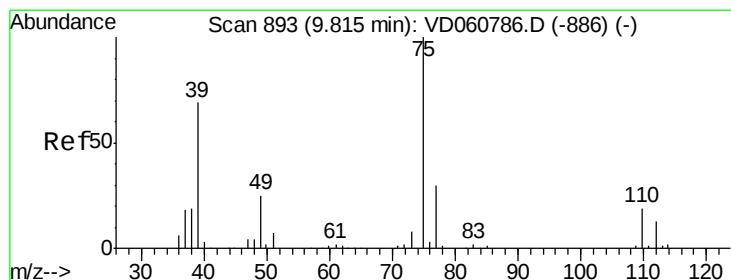
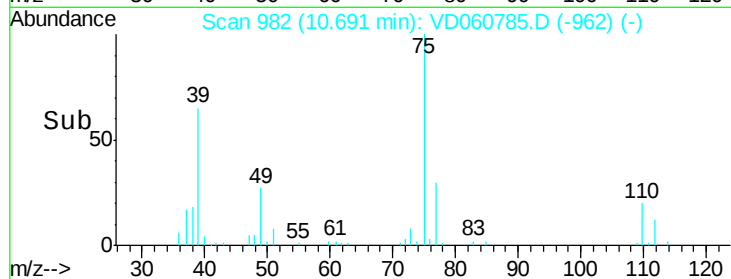
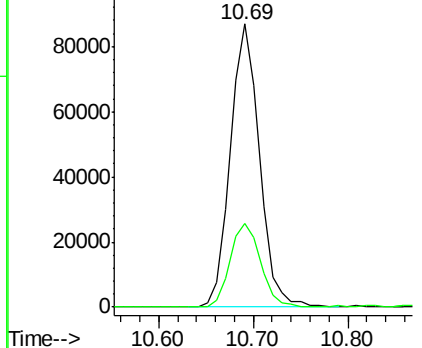
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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 21.342 ug/l

RT: 9.80 min Scan# 892

Delta R.T. -0.01 min

Lab File: VD060785.D

Acq: 23 Jan 2019 16:37

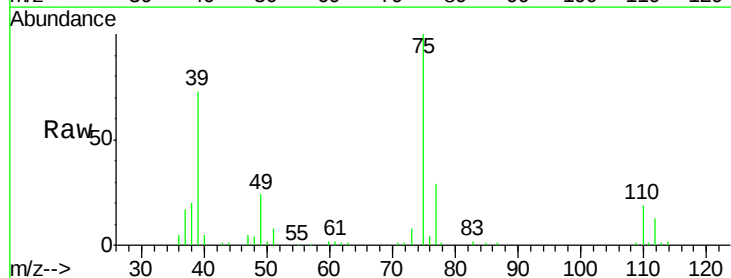
Tgt Ion: 75 Resp: 199884

Ion Ratio Lower Upper

75 100

77 29.4 24.1 36.1

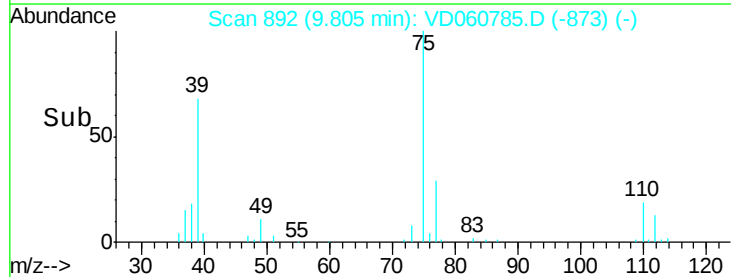
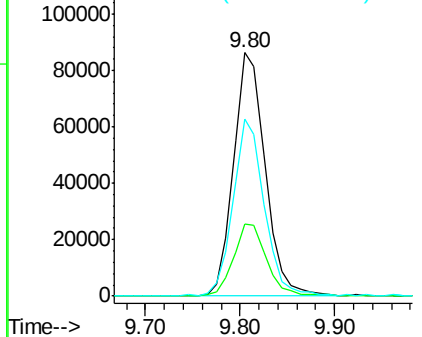
39 73.0 55.4 83.0

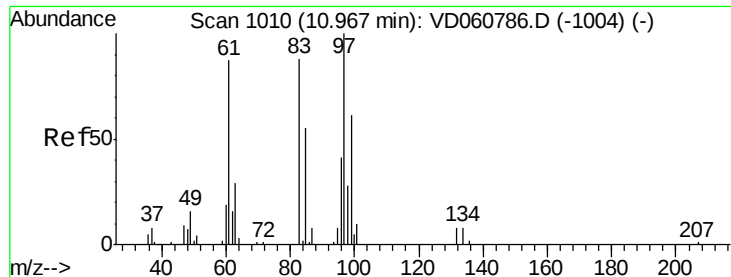


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





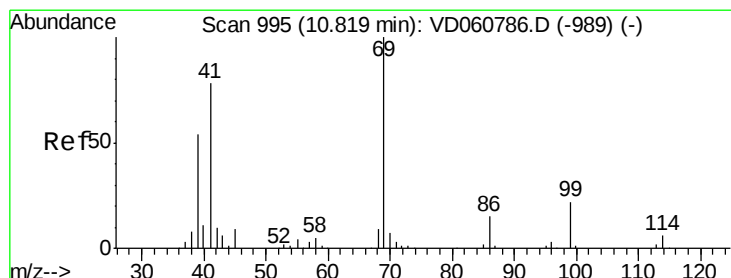
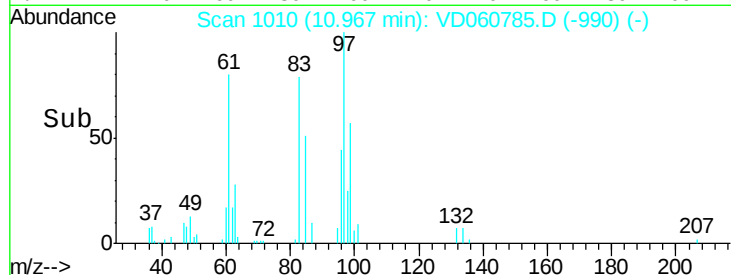
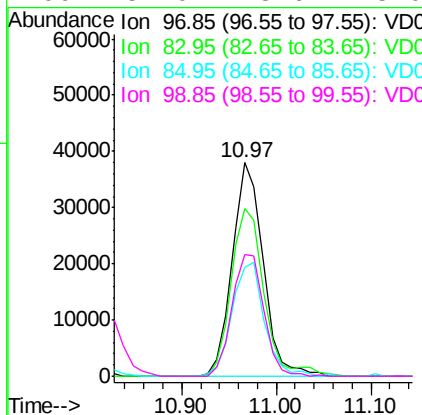
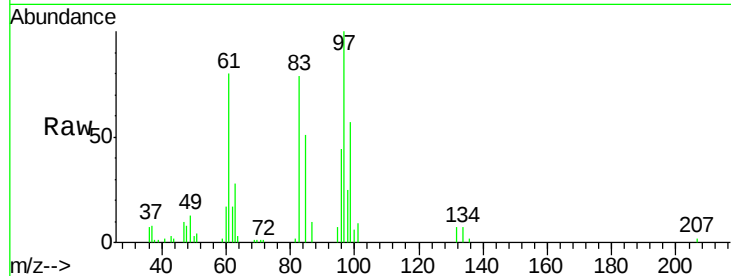
#55
 1,1,2-Trichloroethane
 Concen: 20.138 ug/l
 RT: 10.97 min Scan# 1010
 Delta R.T. 0.00 min
 Lab File: VD060785.D
 Acq: 23 Jan 2019 16:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
97	100		
83	78.7	70.4	105.6
85	50.9	43.9	65.9
99	57.0	48.6	73.0

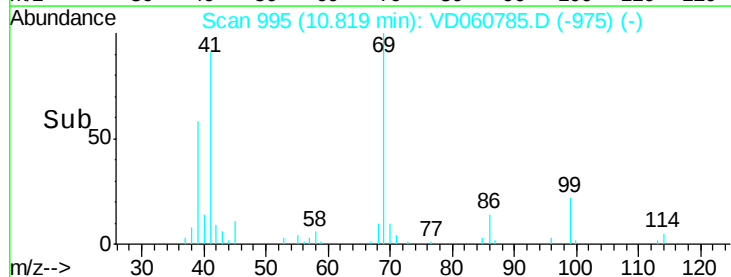
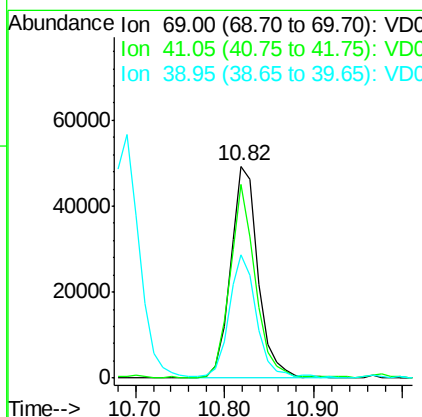
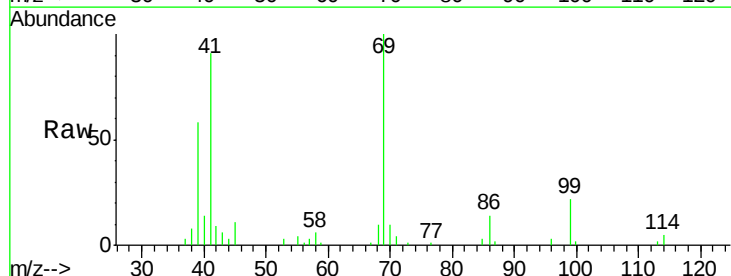
Manual Integrations
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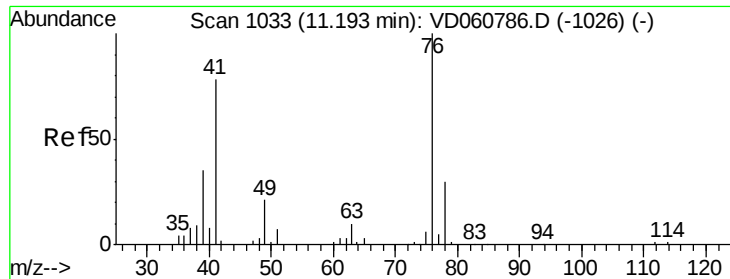
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#56
 Ethyl methacrylate
 Concen: 21.418 ug/l
 RT: 10.82 min Scan# 995
 Delta R.T. 0.00 min
 Lab File: VD060785.D
 Acq: 23 Jan 2019 16:37

Tgt Ion	Ratio	Lower	Upper
69	100		
41	91.3	62.0	93.0
39	58.5	43.8	65.8





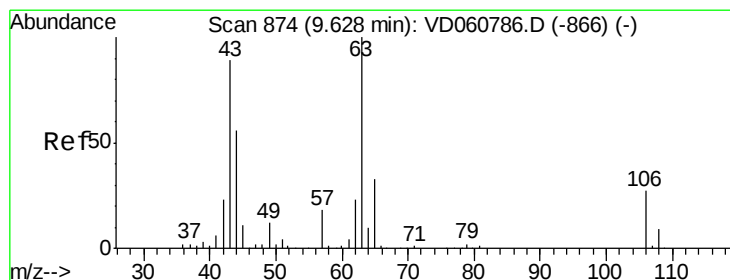
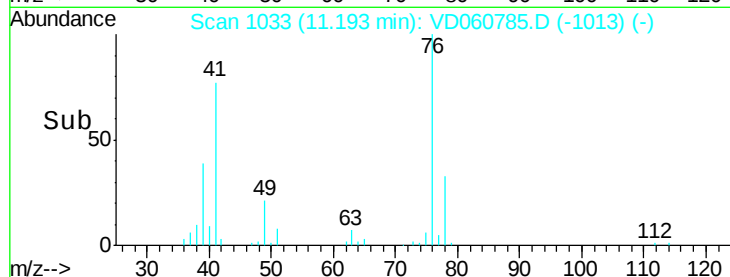
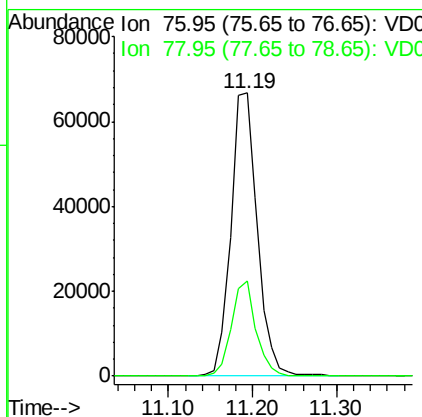
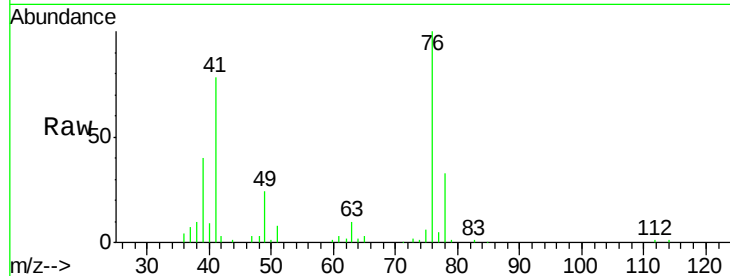
#57
 1,3-Dichloropropane
 Concen: 19.447 ug/l
 RT: 11.19 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VD060785.D
 Acq: 23 Jan 2019 16:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion: 76 Resp: 145758
 Ion Ratio Lower Upper
 76 100
 78 33.5 24.0 36.0

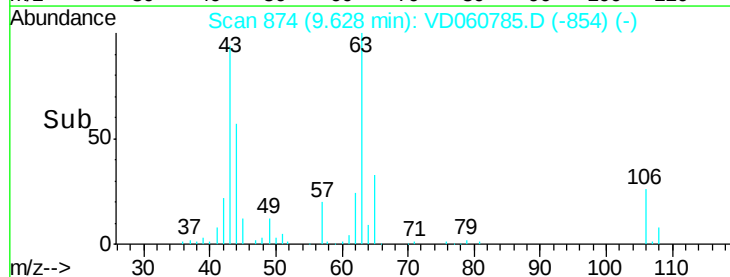
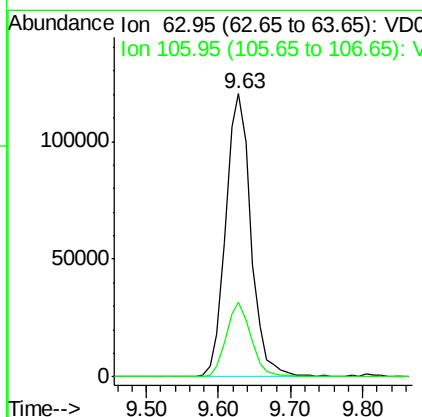
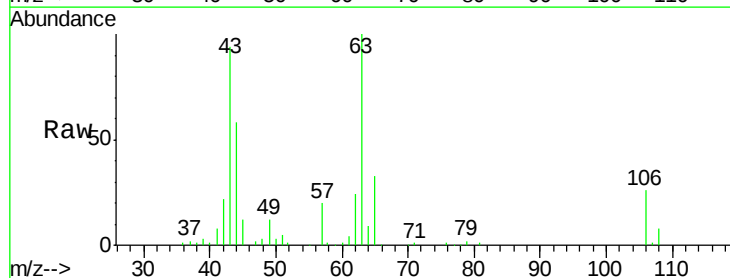
Manual Integrations
 APPROVED

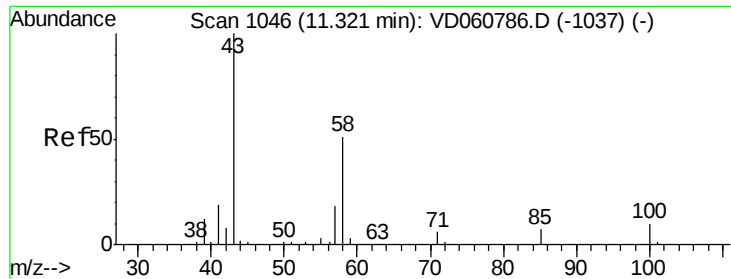
MMDadoda
 1/24/2019 12:49:21 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 104.439 ug/l
 RT: 9.63 min Scan# 874
 Delta R.T. 0.00 min
 Lab File: VD060785.D
 Acq: 23 Jan 2019 16:37

Tgt Ion: 63 Resp: 292978
 Ion Ratio Lower Upper
 63 100
 106 26.3 21.6 32.4





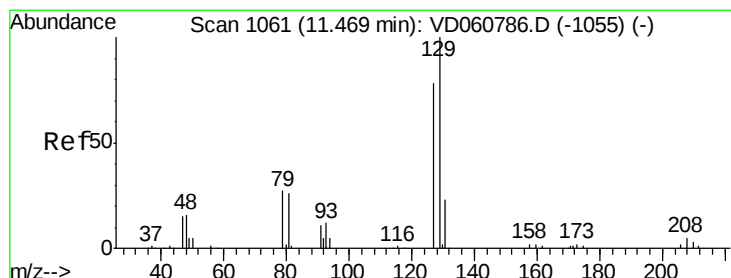
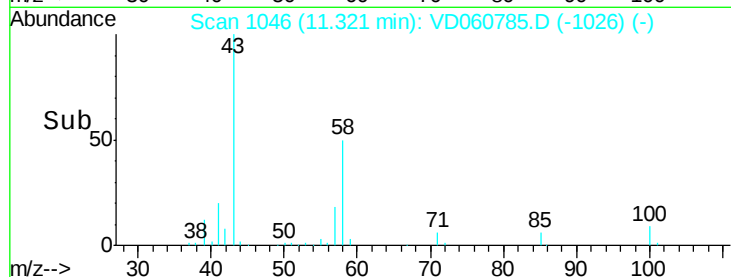
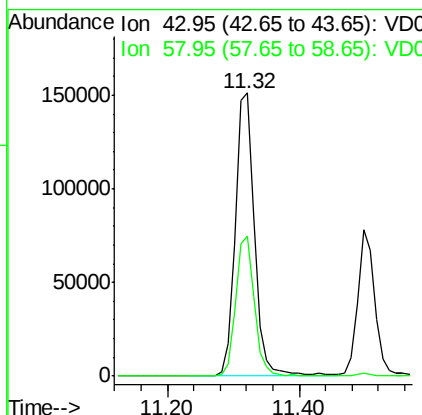
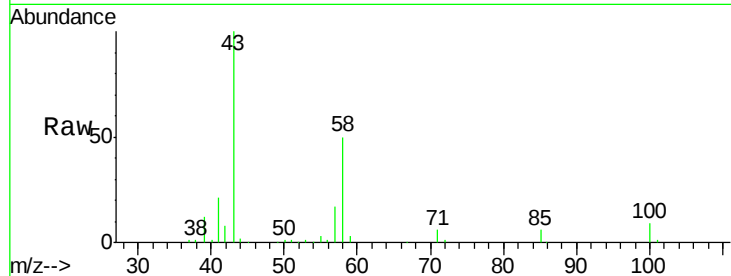
#59
2-Hexanone
Concen: 106.252 ug/l
RT: 11.32 min Scan# 1046
Delta R.T. 0.00 min
Lab File: VD060785.D
Acq: 23 Jan 2019 16:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 311115
Ion Ratio Lower Upper
43 100
58 49.7 25.4 76.2

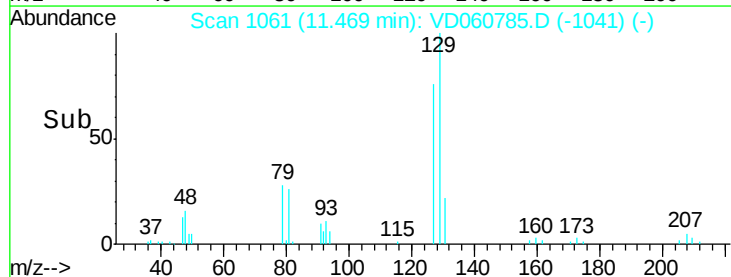
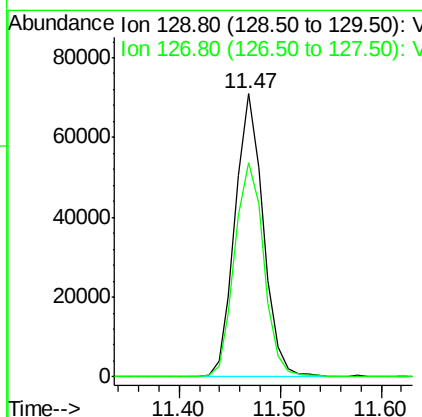
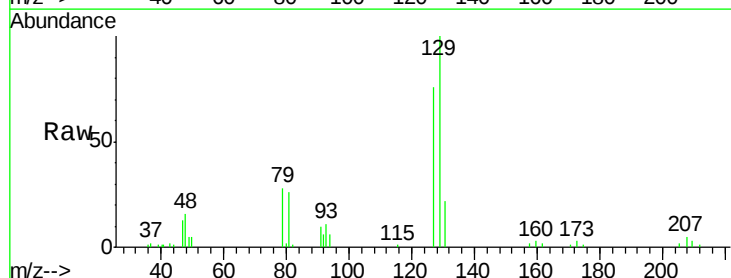
Manual Integrations
APPROVED

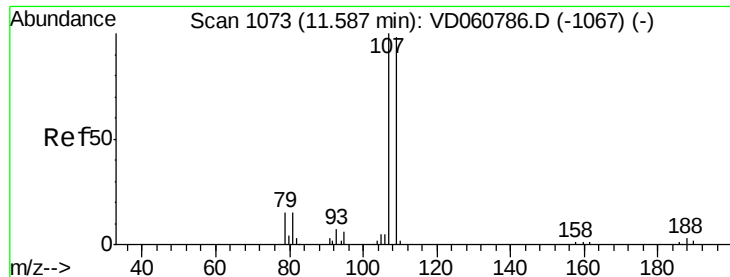
MMDadoda
1/24/2019 12:49:21 PM



#60
Dibromochloromethane
Concen: 20.371 ug/l
RT: 11.47 min Scan# 1061
Delta R.T. 0.00 min
Lab File: VD060785.D
Acq: 23 Jan 2019 16:37

Tgt Ion: 129 Resp: 138180
Ion Ratio Lower Upper
129 100
127 75.9 39.0 117.0





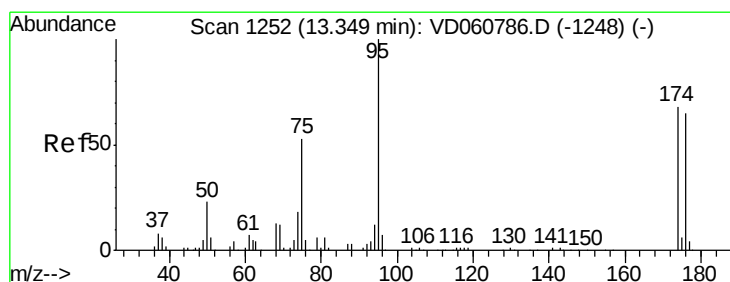
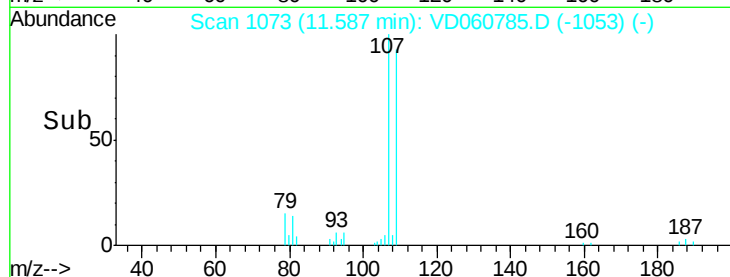
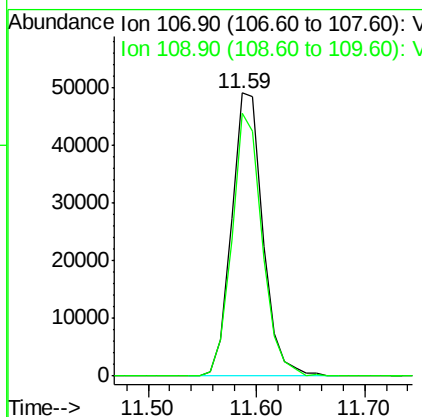
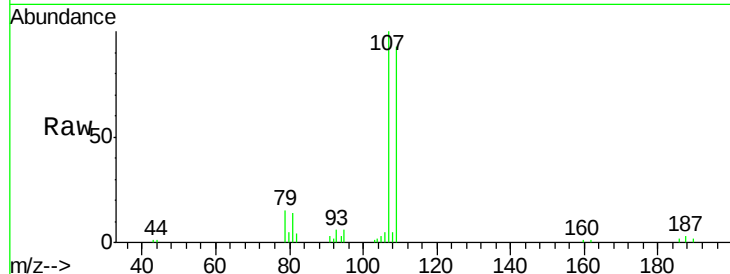
#61
1,2-Dibromoethane
Concen: 20.271 ug/l
RT: 11.59 min Scan# 1073
Delta R.T. 0.00 min
Lab File: VD060785.D
Acq: 23 Jan 2019 16:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 107 Resp: 98360
Ion Ratio Lower Upper
107 100
109 92.7 78.2 117.2

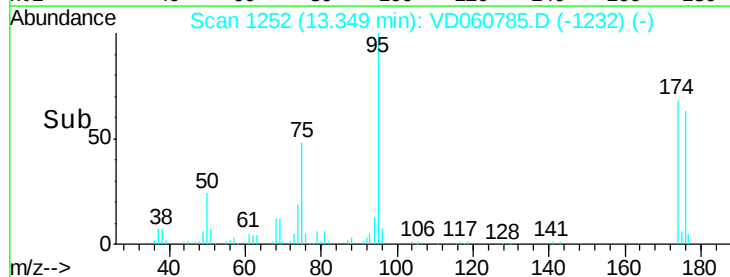
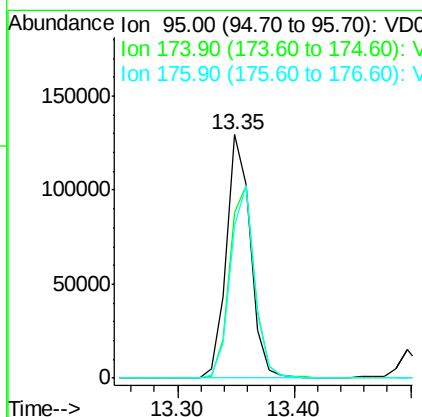
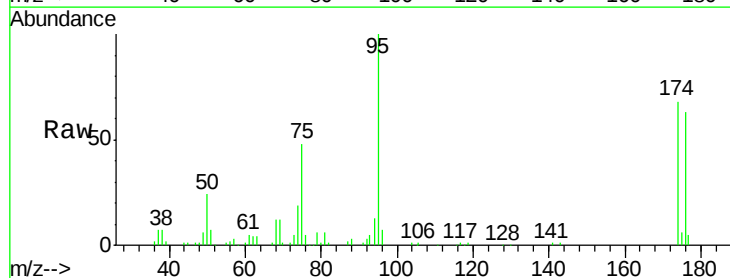
Manual Integrations
APPROVED

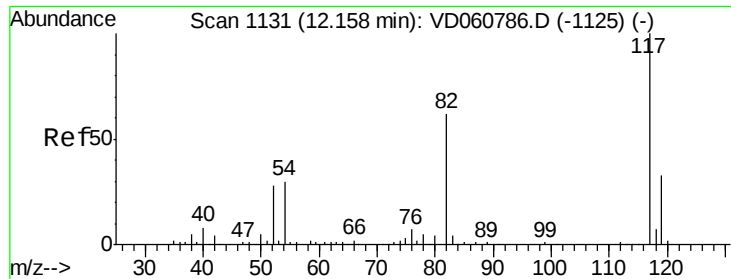
MMDadoda
1/24/2019 12:49:21 PM



#62
4-Bromofluorobenzene
Concen: 20.271 ug/l
RT: 13.35 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VD060785.D
Acq: 23 Jan 2019 16:37

Tgt Ion: 95 Resp: 184971
Ion Ratio Lower Upper
95 100
174 67.8 0.0 135.6
176 63.0 0.0 130.6





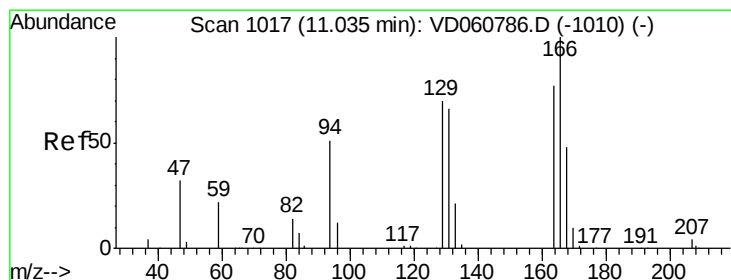
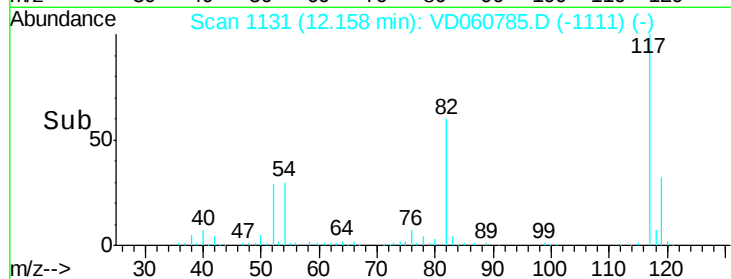
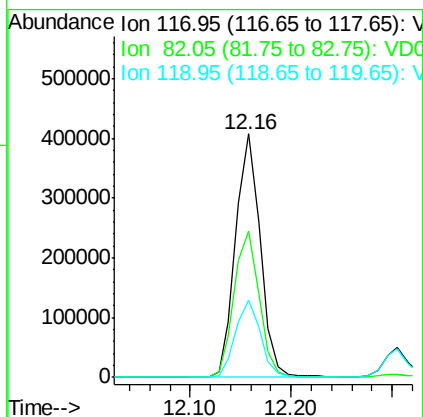
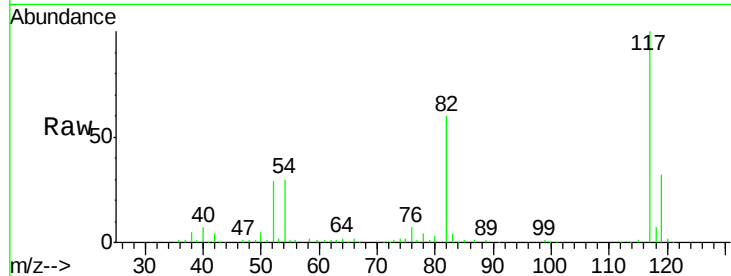
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.16 min Scan# 1131
Delta R.T. 0.00 min
Lab File: VD060785.D
Acq: 23 Jan 2019 16:37

Instrument :
MSVOA_D
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.1	49.5	74.3
119	31.6	26.2	39.4

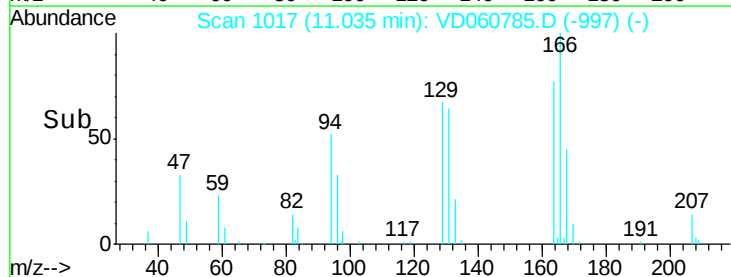
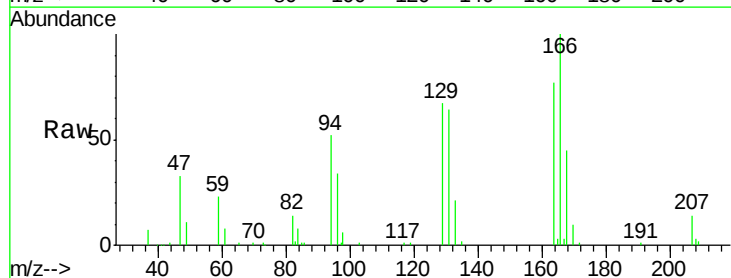
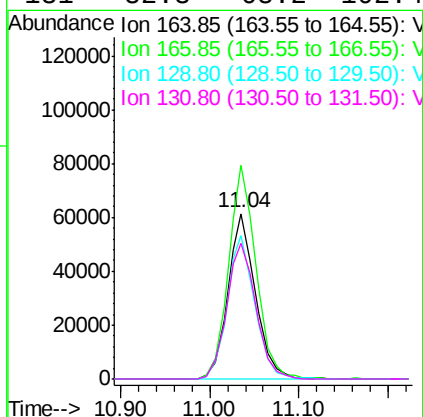
Manual Integrations
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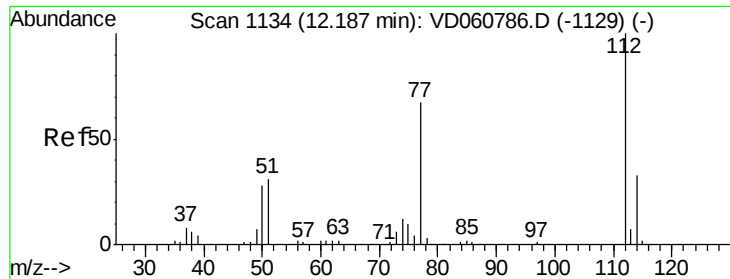
MMDadoda
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#64
Tetrachloroethene
Concen: 21.695 ug/l
RT: 11.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VD060785.D
Acq: 23 Jan 2019 16:37

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.3	103.8	155.6
129	86.7	72.2	108.2
131	82.3	68.2	102.4





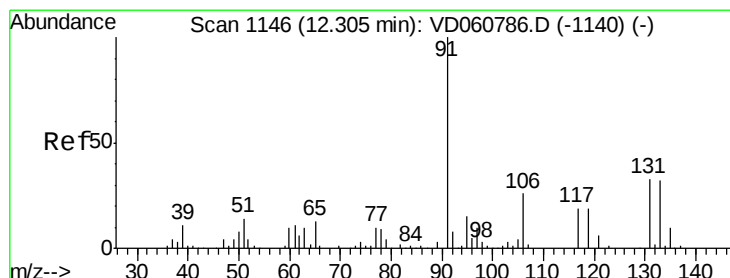
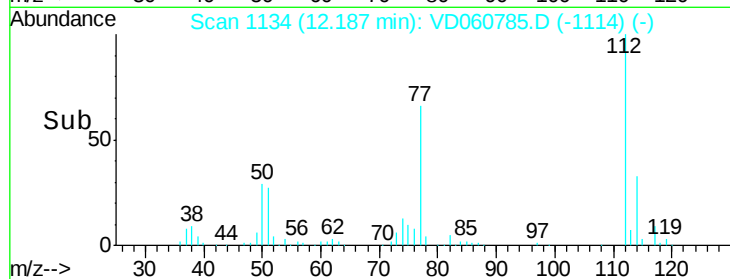
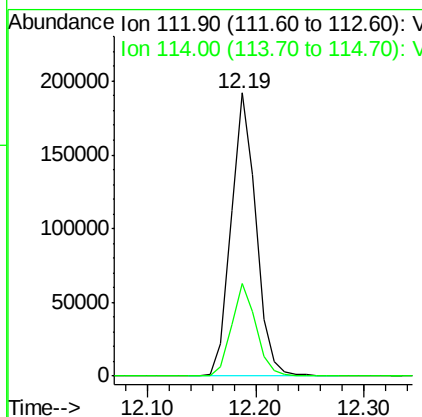
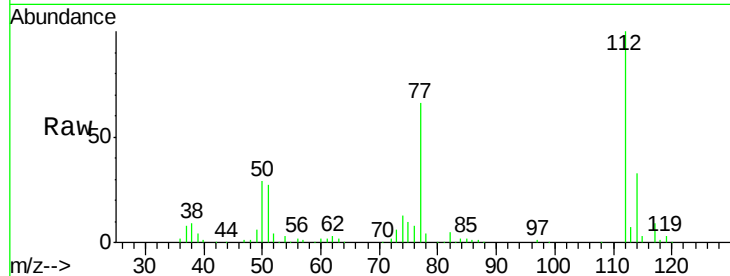
#65
Chlorobenzene
Concen: 21.961 ug/l
RT: 12.19 min Scan# 1134
Delta R.T. 0.00 min
Lab File: VD060785.D
Acq: 23 Jan 2019 16:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion:112 Resp: 306292
Ion Ratio Lower Upper
112 100
114 32.7 26.4 39.6

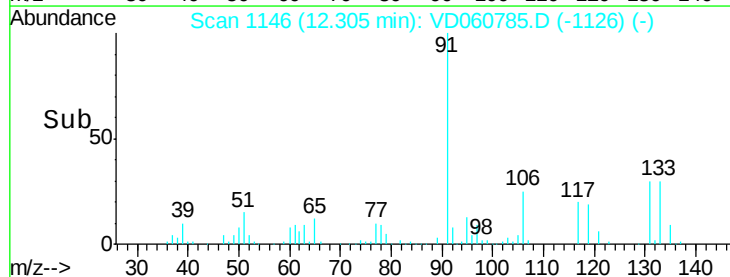
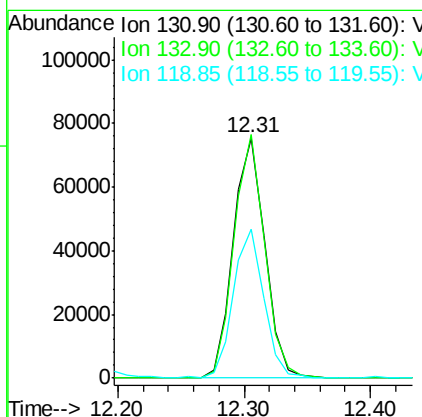
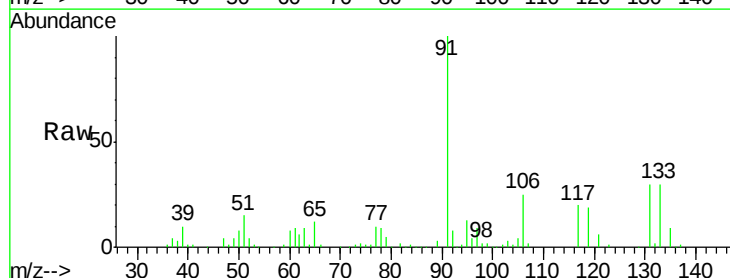
Manual Integrations
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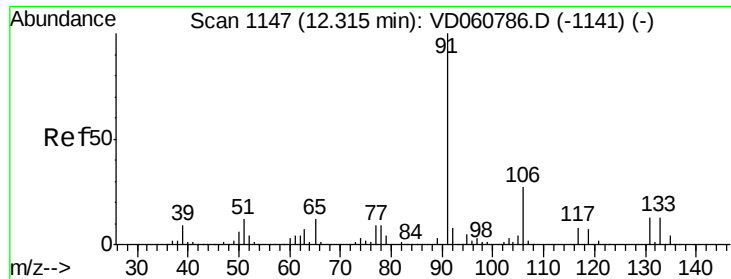
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.985 ug/l
RT: 12.31 min Scan# 1146
Delta R.T. 0.00 min
Lab File: VD060785.D
Acq: 23 Jan 2019 16:37

Tgt Ion:131 Resp: 130265
Ion Ratio Lower Upper
131 100
133 101.5 48.3 144.8
119 62.1 28.0 84.0





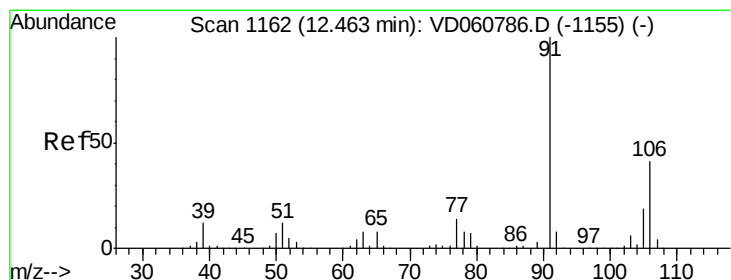
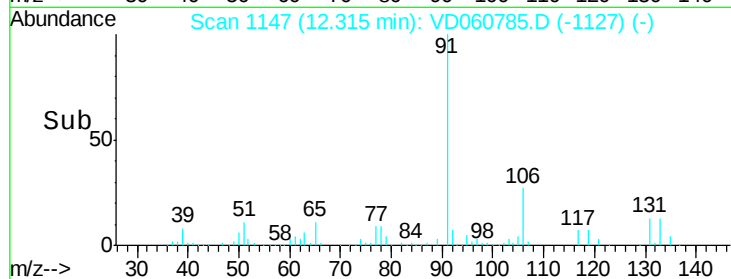
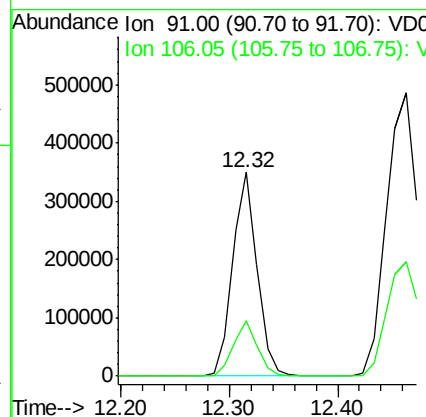
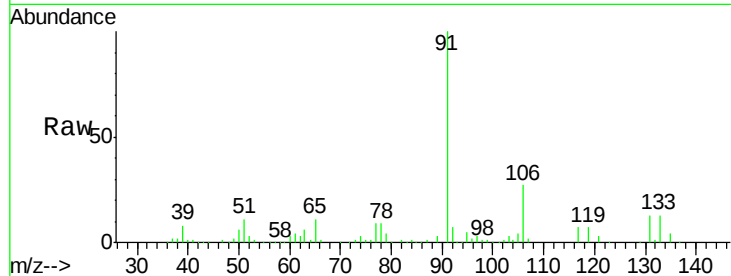
#67
Ethyl Benzene
Concen: 21.177 ug/l
RT: 12.32 min Scan# 1147
Delta R.T. 0.00 min
Lab File: VD060785.D
Acq: 23 Jan 2019 16:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 91 Resp: 550362
Ion Ratio Lower Upper
91 100
106 27.3 21.4 32.2

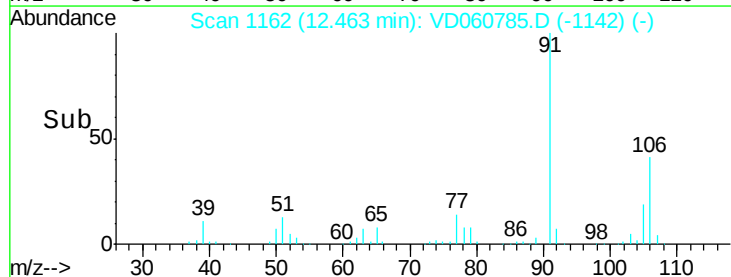
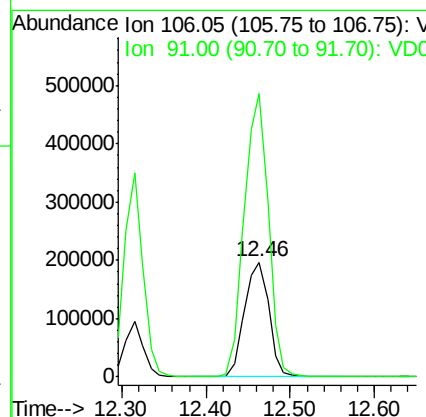
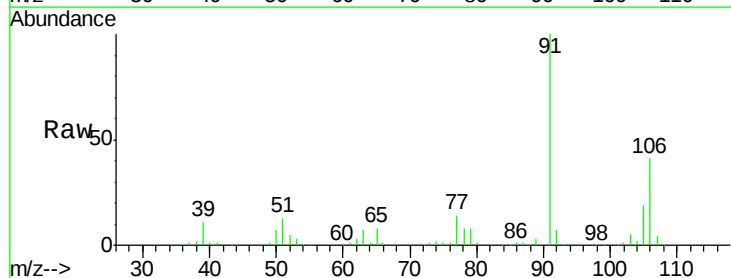
Manual Integrations
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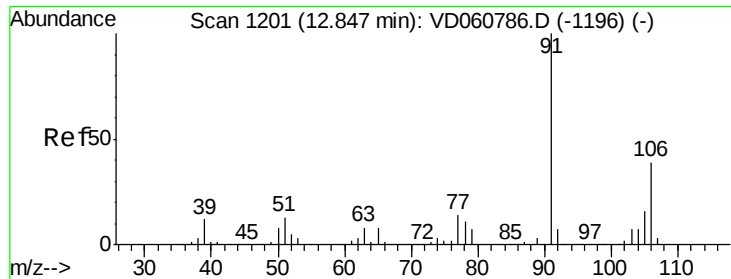
MMDadoda
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#68
m/p-Xylenes
Concen: 46.882 ug/l
RT: 12.46 min Scan# 1162
Delta R.T. 0.00 min
Lab File: VD060785.D
Acq: 23 Jan 2019 16:37

Tgt Ion: 106 Resp: 399289
Ion Ratio Lower Upper
106 100
91 246.1 195.6 293.4





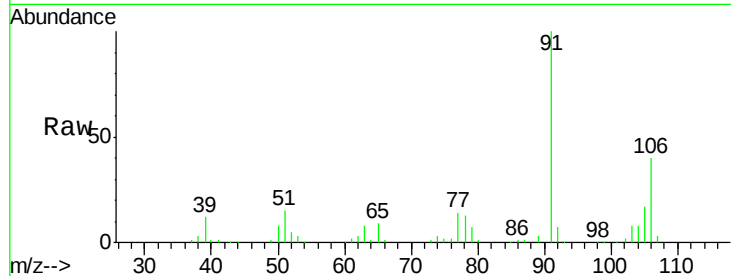
#69
o-Xylene
Concen: 22.800 ug/l
RT: 12.85 min Scan# 1201
Delta R.T. 0.00 min
Lab File: VD060785.D
Acq: 23 Jan 2019 16:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

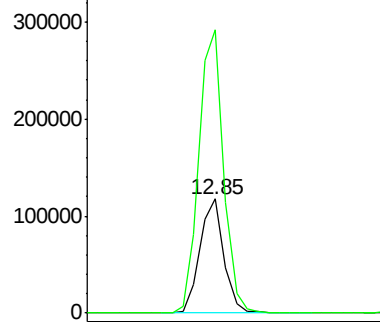
Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	248.2	127.2	381.5	

Manual Integrations
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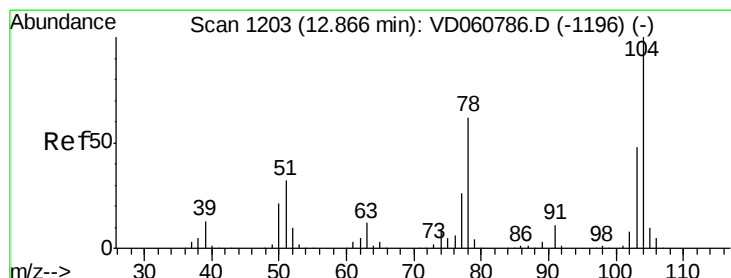
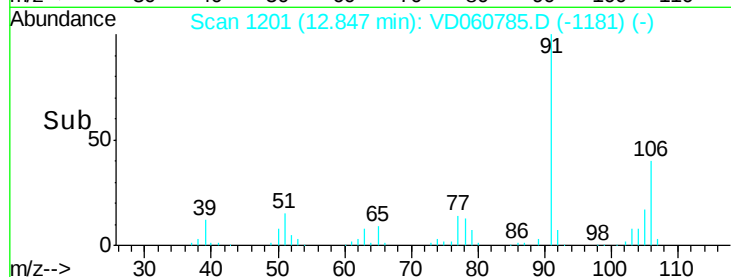
MMDadoda
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Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

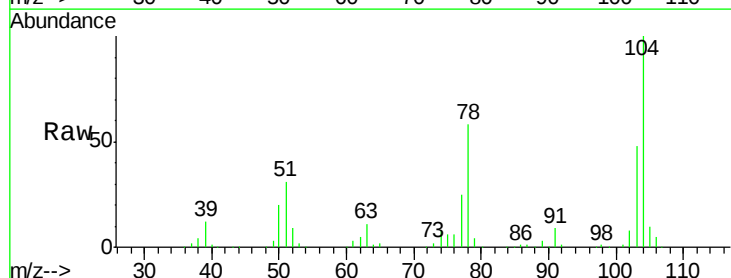


Time-->

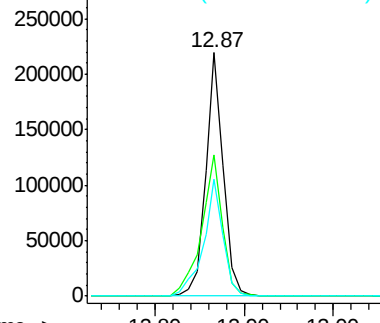


#70
Styrene
Concen: 21.593 ug/l
RT: 12.87 min Scan# 1203
Delta R.T. 0.00 min
Lab File: VD060785.D
Acq: 23 Jan 2019 16:37

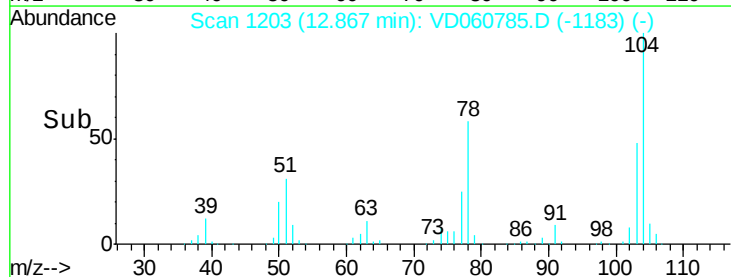
Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	57.9	49.7	74.5	
103	48.0	38.2	57.2	

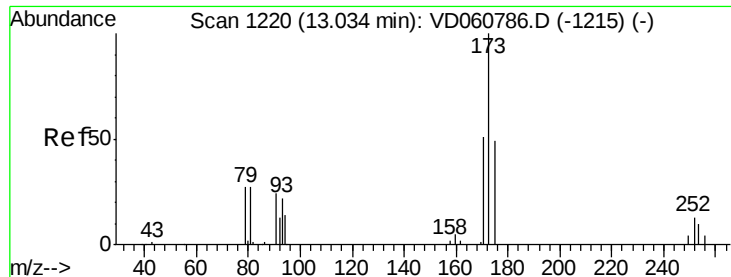


Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V



Time-->





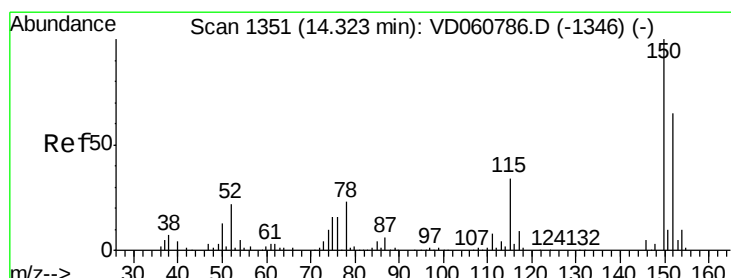
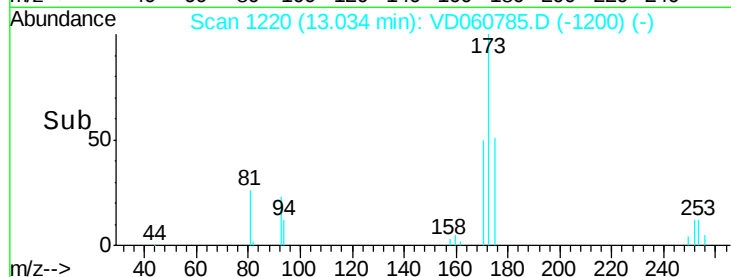
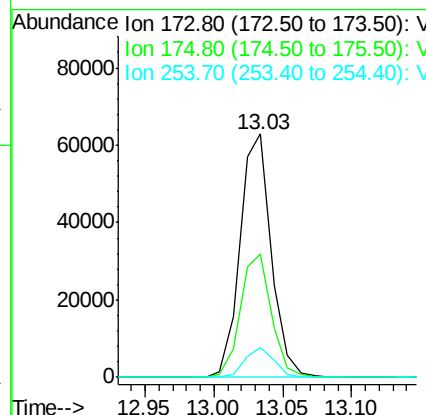
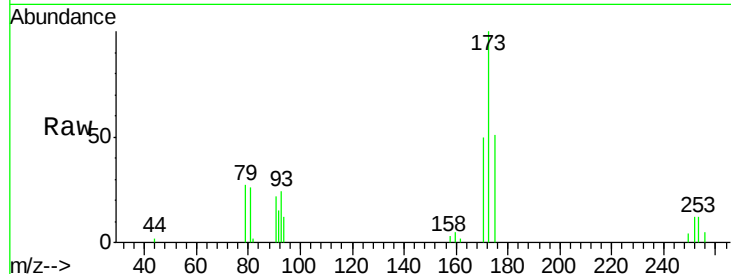
#71
Bromoform
Concen: 21.642 ug/l
RT: 13.03 min Scan# 1220
Delta R.T. 0.00 min
Lab File: VD060785.D
Acq: 23 Jan 2019 16:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.7	24.3	72.9
254	12.5	8.2	12.4#

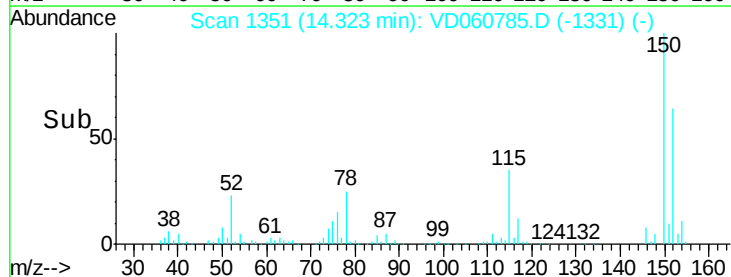
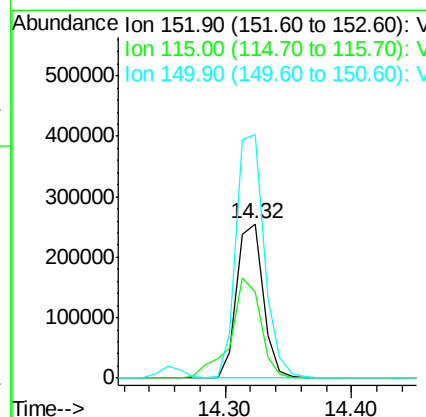
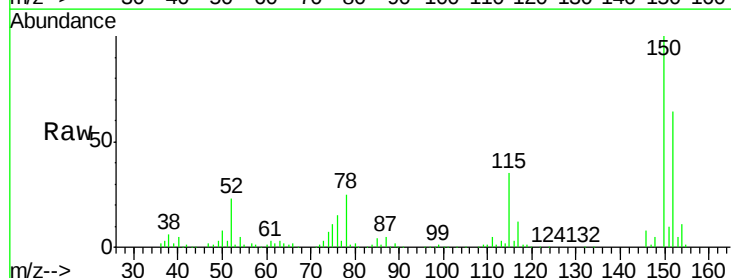
Manual Integrations
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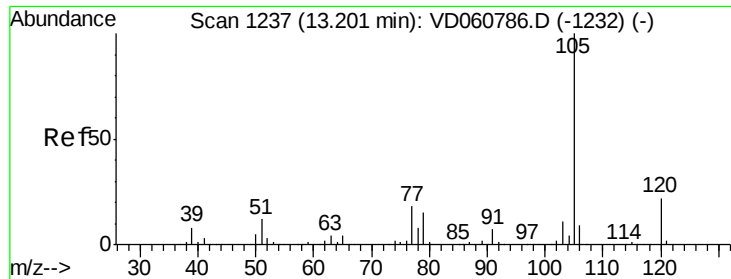
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.32 min Scan# 1351
Delta R.T. 0.00 min
Lab File: VD060785.D
Acq: 23 Jan 2019 16:37

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.7	28.1	84.3
150	157.4	0.0	314.0





#73

Isopropylbenzene

Concen: 20.083 ug/l

RT: 13.20 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VD060785.D

Acq: 23 Jan 2019 16:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 105 Resp: 543748

Ion Ratio Lower Upper

105 100

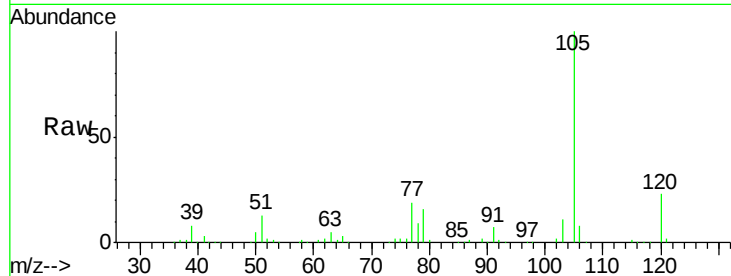
120 22.5 11.1 33.3

Manual Integrations

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.20

400000

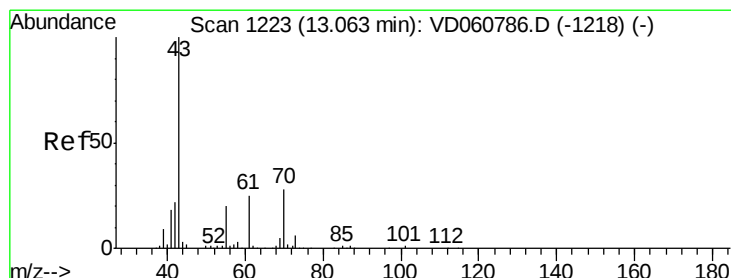
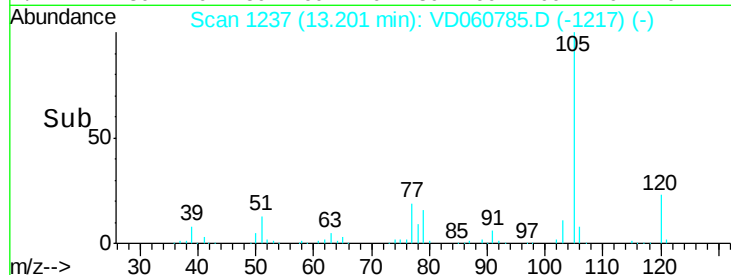
300000

200000

100000

0

Time--> 13.10 13.20 13.30



#74

N-ethyl acetate

Concen: 19.601 ug/l

RT: 13.06 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD060785.D

Acq: 23 Jan 2019 16:37

Tgt Ion: 43 Resp: 168117

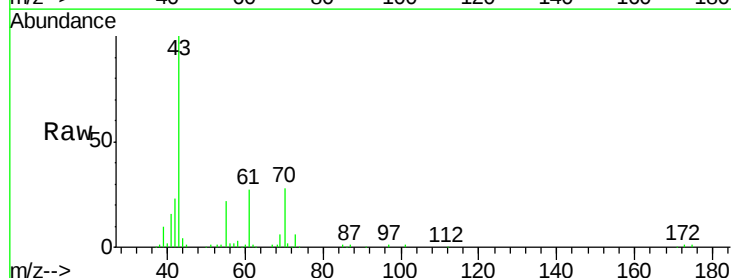
Ion Ratio Lower Upper

43 100

70 28.2 22.6 33.8

55 22.0 16.2 24.2

61 26.8 20.4 30.6



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

13.06

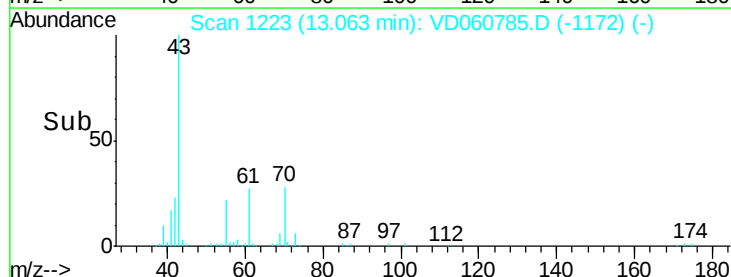
150000

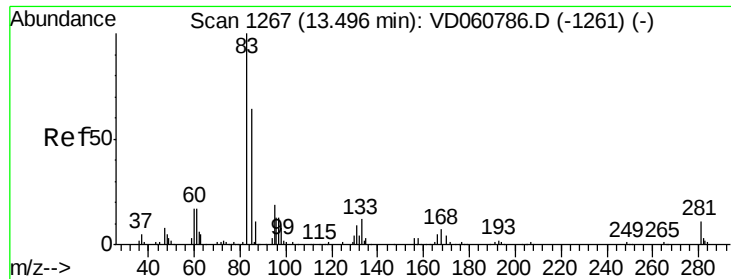
100000

50000

0

Time--> 13.00 13.10 13.20





#75

1,1,2,2-Tetrachloroethane

Concen: 19.466 ug/l

RT: 13.50 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VD060785.D

Acq: 23 Jan 2019 16:37

Instrument :

MSVOA_D

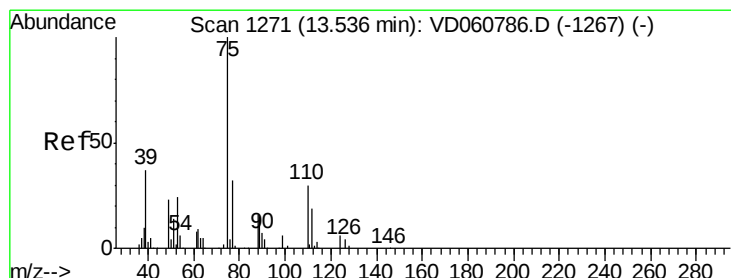
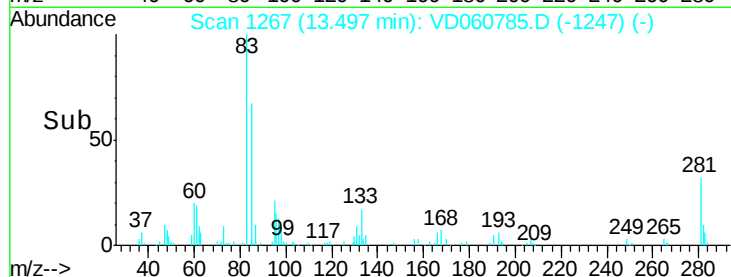
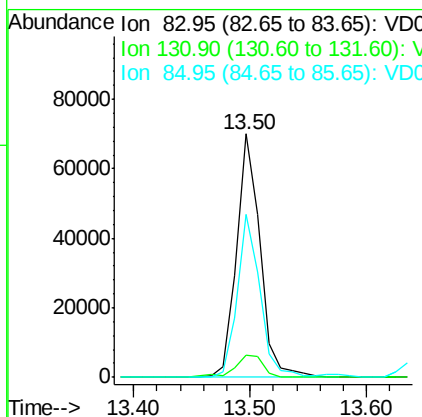
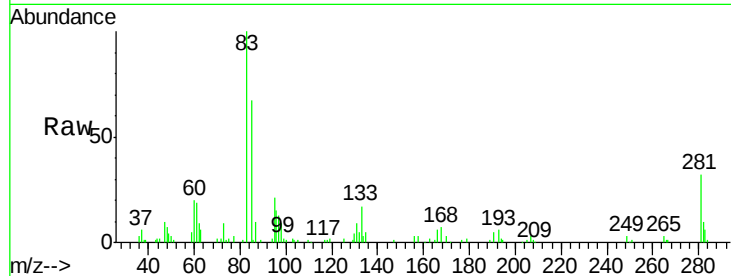
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	97931
Ion Ratio	Lower	Upper	
83	100		
131	9.2	4.5	13.5
85	66.8	32.2	96.6

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.042 ug/l

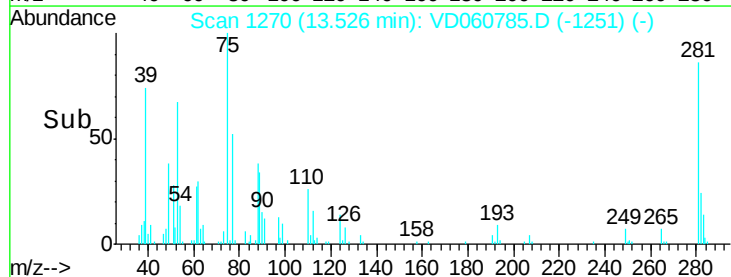
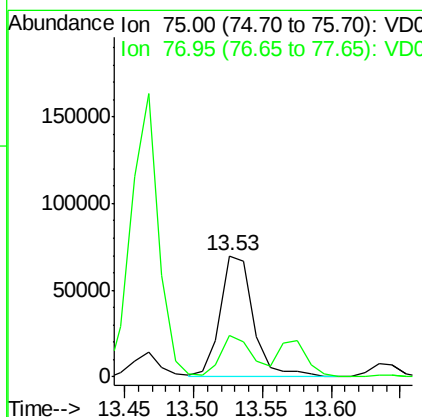
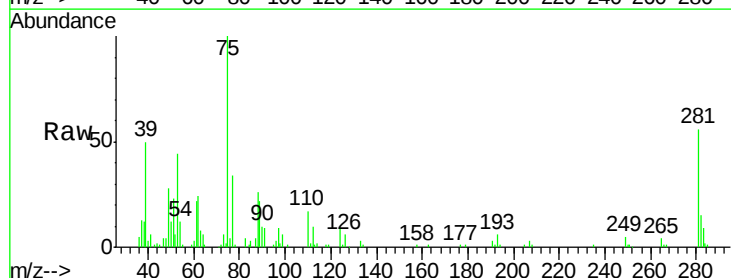
RT: 13.53 min Scan# 1270

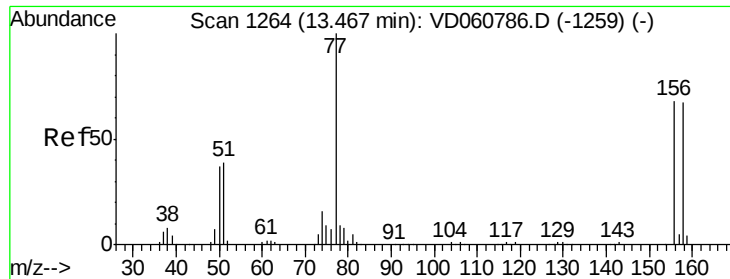
Delta R.T. -0.01 min

Lab File: VD060785.D

Acq: 23 Jan 2019 16:37

Tgt Ion:	75	Resp:	116427
Ion Ratio	Lower	Upper	
75	100		
77	34.0	17.5	52.5





#77

Bromobenzene

Concen: 20.189 ug/l

RT: 13.47 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VD060785.D

Acq: 23 Jan 2019 16:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion:156 Resp: 147837

Ion Ratio Lower Upper

156 100

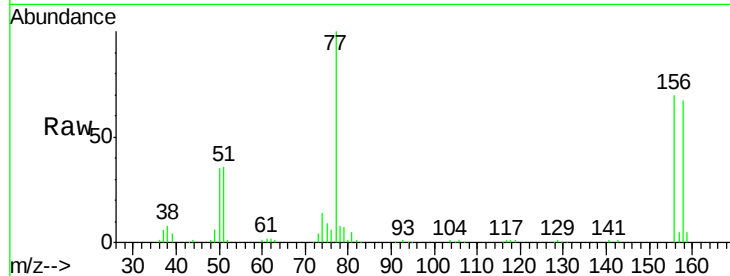
77 143.5 74.0 222.0

158 96.3 49.8 149.3

Manual Integrations
APPROVED

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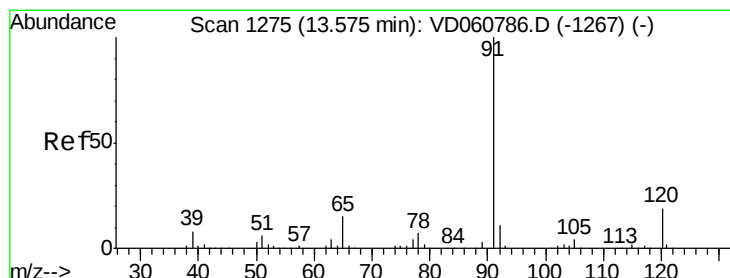
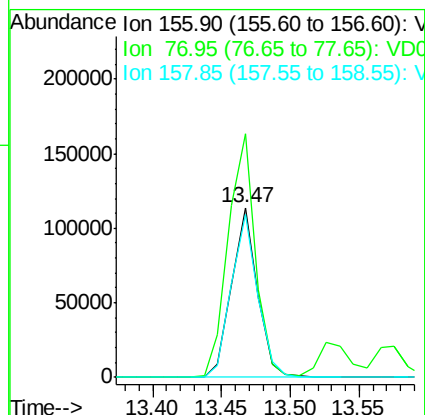
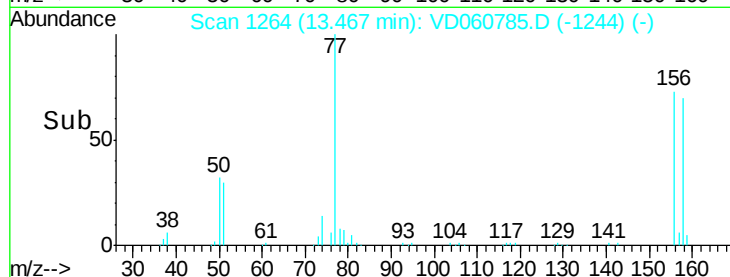
1/24/2019 12:49:21 PM



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 20.217 ug/l

RT: 13.58 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VD060785.D

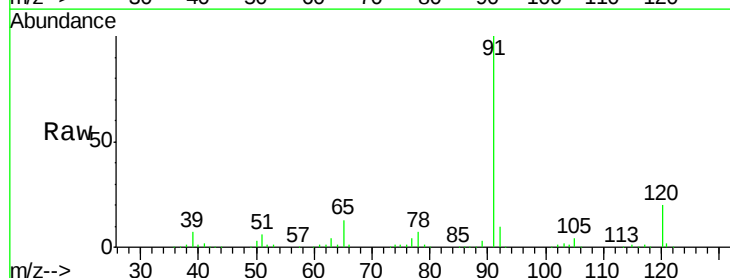
Acq: 23 Jan 2019 16:37

Tgt Ion: 91 Resp: 685990

Ion Ratio Lower Upper

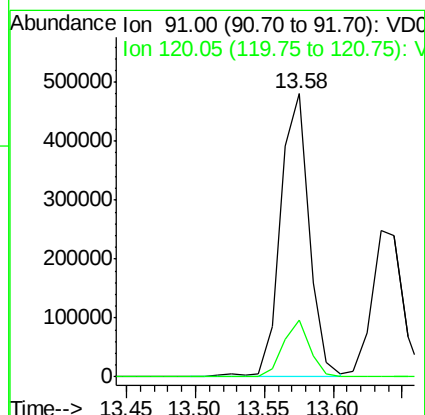
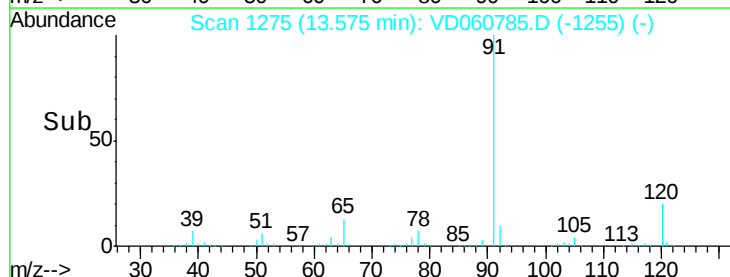
91 100

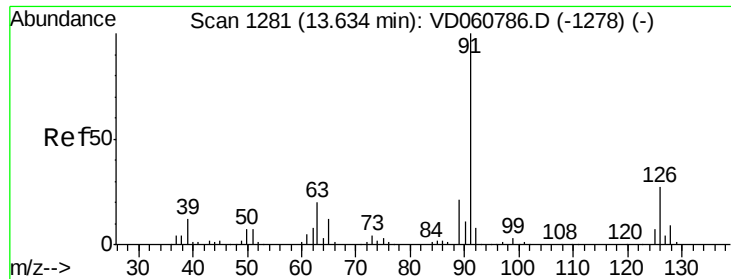
120 20.2 9.7 28.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





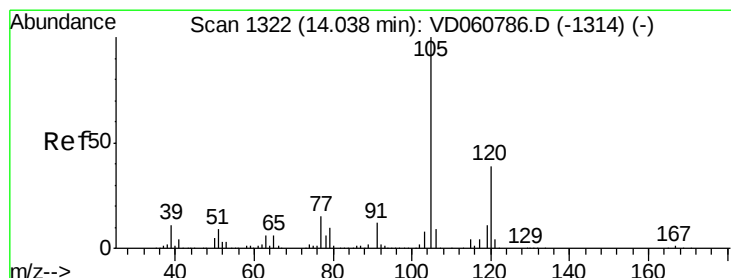
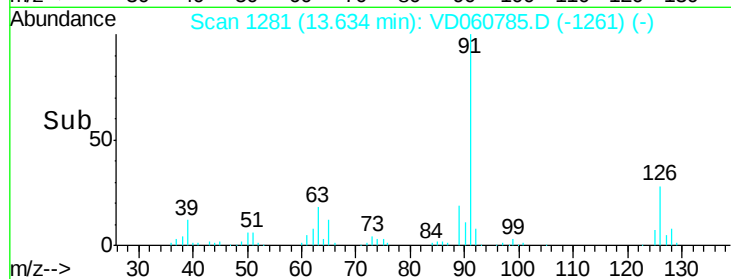
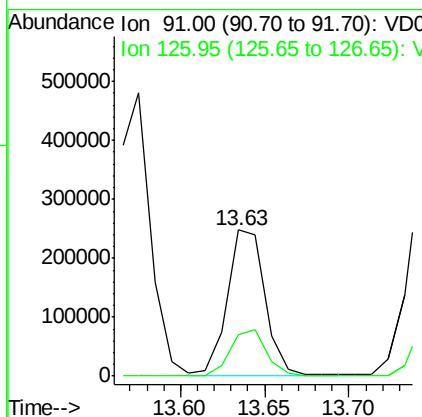
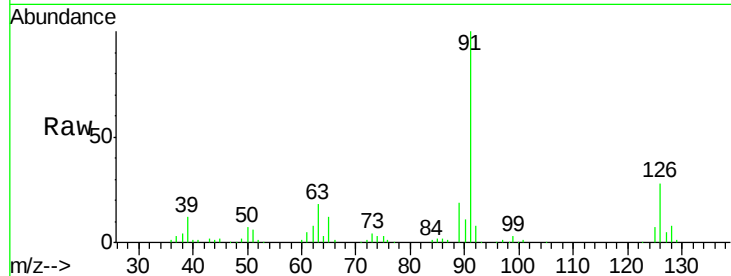
#79
 2-Chlorotoluene
 Concen: 19.551 ug/l
 RT: 13.63 min Scan# 1281
 Delta R.T. 0.00 min
 Lab File: VD060785.D
 Acq: 23 Jan 2019 16:37

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC020

Tot Ion: 91 Resp: 384804
 Ion Ratio Lower Upper
 91 100
 126 28.4 13.4 40.1

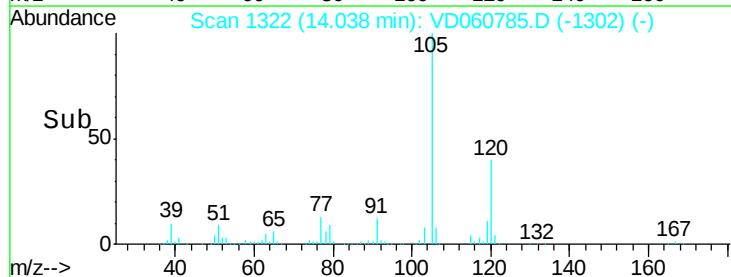
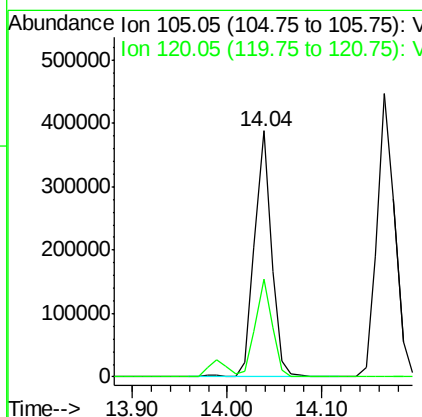
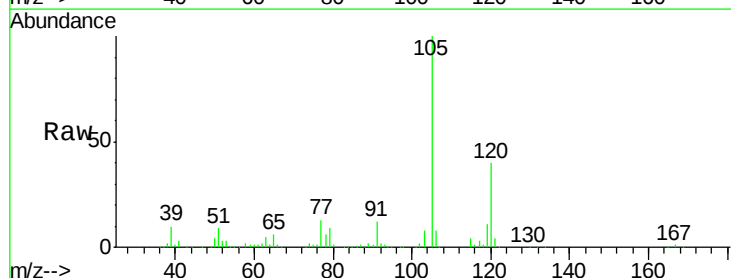
Manual Integrations
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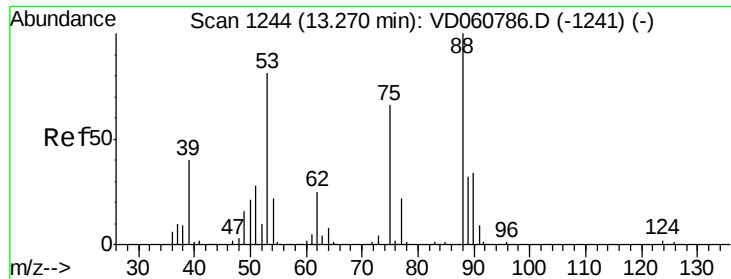
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 20.956 ug/l
 RT: 14.04 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VD060785.D
 Acq: 23 Jan 2019 16:37

Tgt Ion: 105 Resp: 485698
 Ion Ratio Lower Upper
 105 100
 120 39.9 19.5 58.5





#81

trans-1,4-Dichloro-2-butene

Concen: 18.992 ug/l

RT: 13.27 min Scan# 1244

Delta R.T. 0.00 min

Lab File: VD060785.D

Acq: 23 Jan 2019 16:37

Instrument :

MSVOA_D

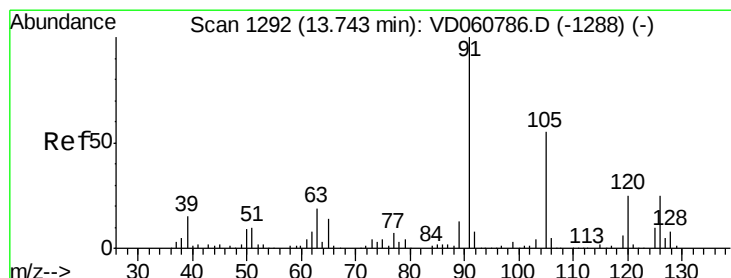
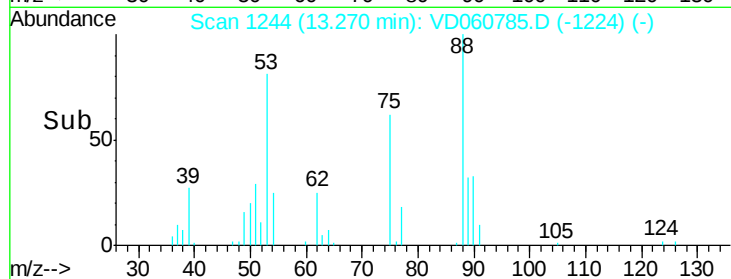
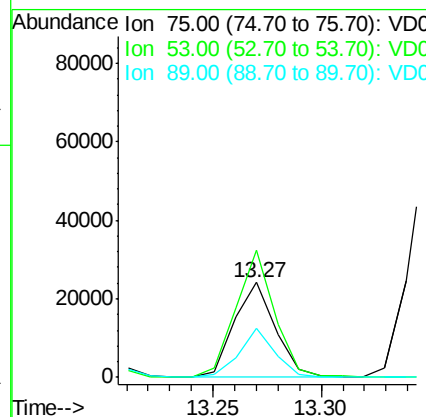
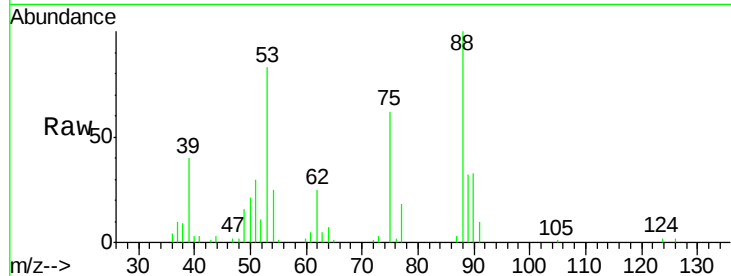
ClientSampleId :

VSTDIC020

Tot Ion:	75	Resp:	32068
Ion	Ratio	Lower	Upper
75	100		
53	133.5	99.0	148.6
89	52.1	39.5	59.3

Manual Integrations
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#82

4-Chlorotoluene

Concen: 21.672 ug/l

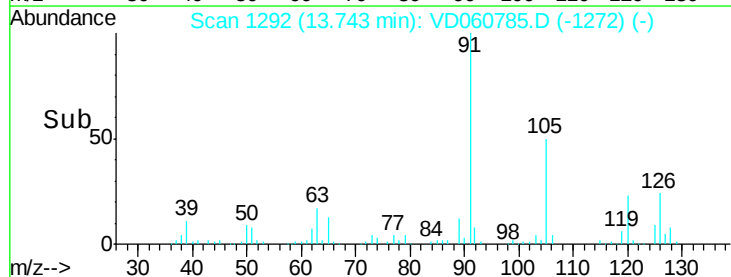
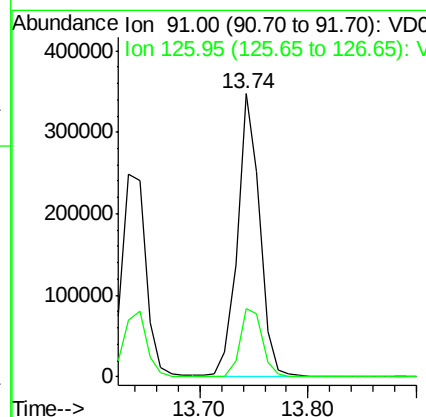
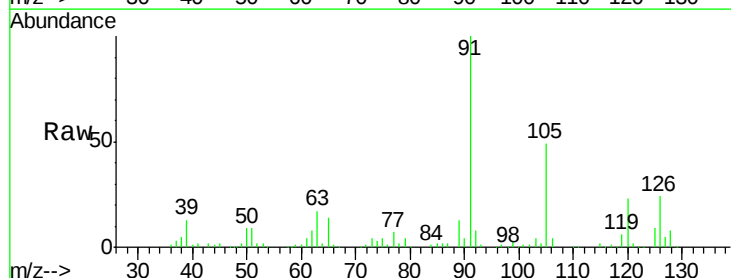
RT: 13.74 min Scan# 1292

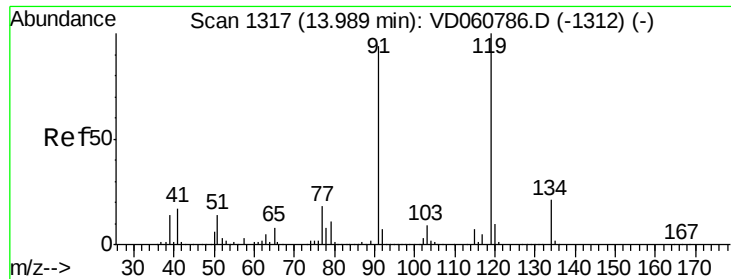
Delta R.T. 0.00 min

Lab File: VD060785.D

Acq: 23 Jan 2019 16:37

Tgt Ion:	91	Resp:	493988
Ion	Ratio	Lower	Upper
91	100		
126	24.0	12.5	37.5





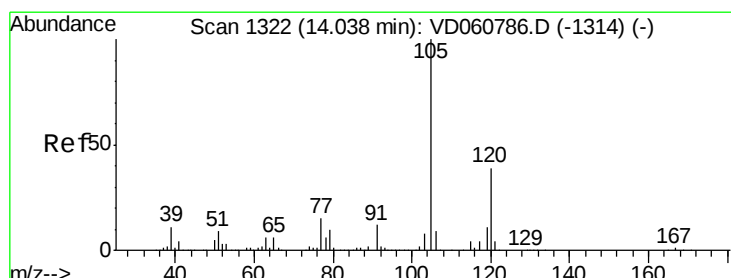
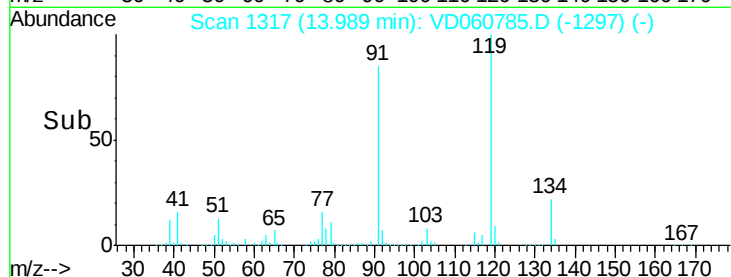
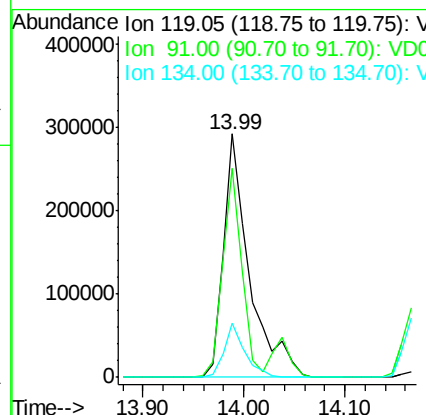
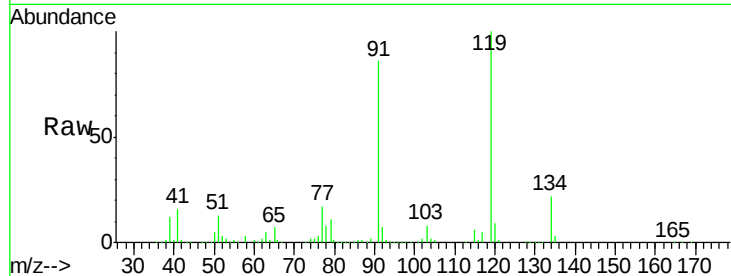
#83
tert-Butylbenzene
Concen: 22.047 ug/l
RT: 13.99 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD060785.D
Acq: 23 Jan 2019 16:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
119	100		
91	85.8	46.9	140.7
134	22.4	10.3	30.9

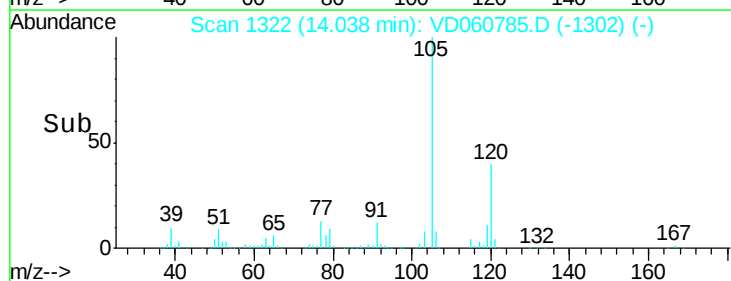
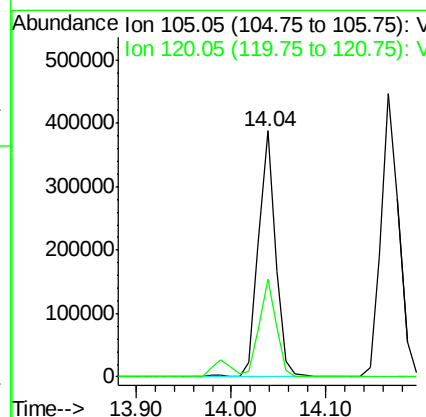
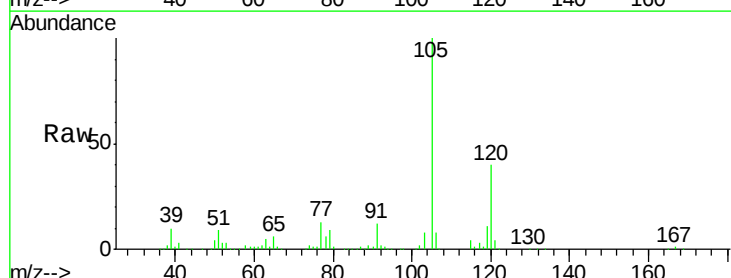
Manual Integrations
APPROVED

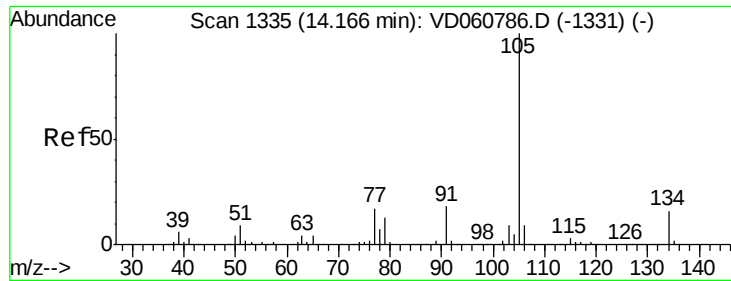
MMDadoda
1/24/2019 12:49:21 PM



#84
1,2,4-Trimethylbenzene
Concen: 20.956 ug/l
RT: 14.04 min Scan# 1322
Delta R.T. 0.00 min
Lab File: VD060785.D
Acq: 23 Jan 2019 16:37

Tgt Ion	Ratio	Lower	Upper
105	100		
120	39.9	19.5	58.5





#85

sec-Butylbenzene

Concen: 20.326 ug/l

RT: 14.17 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VD060785.D

Acq: 23 Jan 2019 16:37

Instrument :

MSVOA_D

ClientSampleID :

VSTDIC020

Tot Ion:105 Resp: 590246

Ion Ratio Lower Upper

105 100

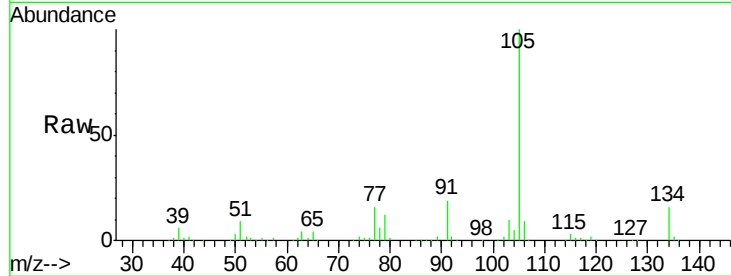
134 15.9 8.1 24.1

Manual Integrations

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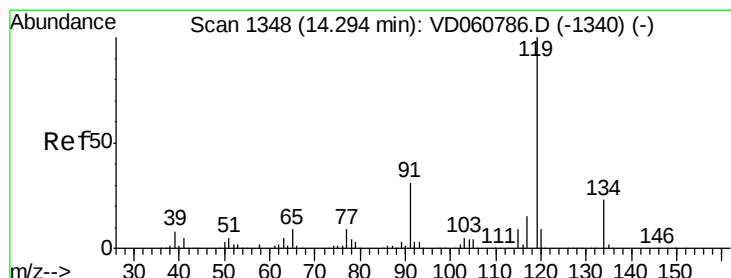
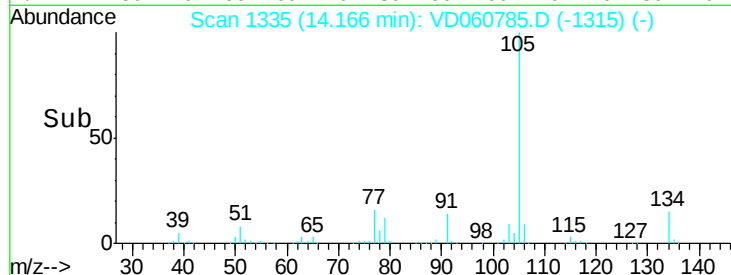
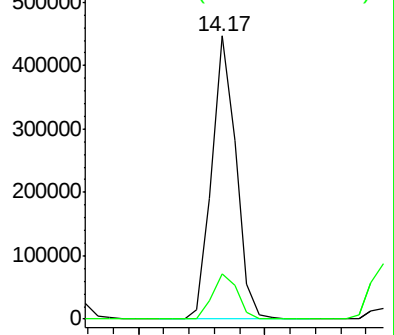
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 21.022 ug/l

RT: 14.29 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VD060785.D

Acq: 23 Jan 2019 16:37

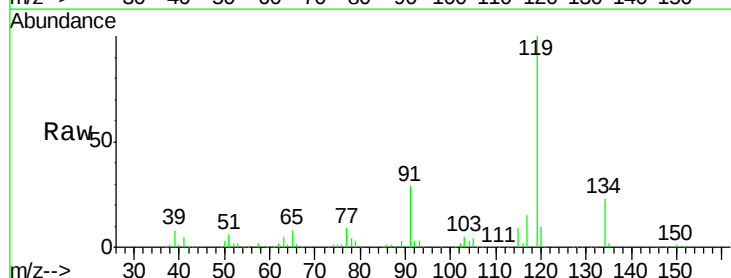
Tgt Ion:119 Resp: 502286

Ion Ratio Lower Upper

119 100

134 22.6 11.4 34.2

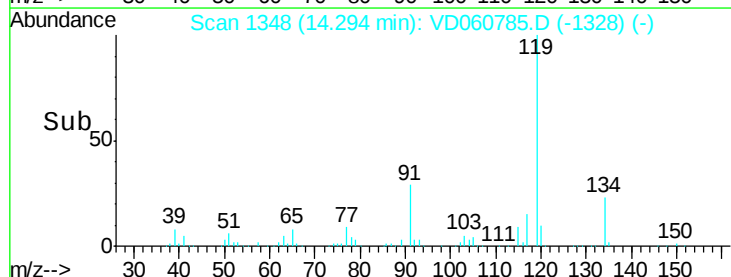
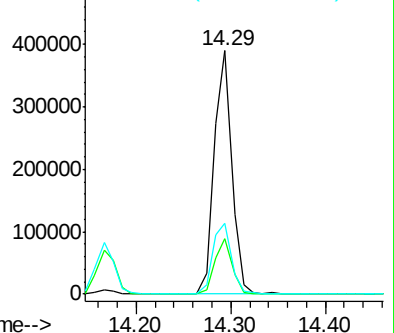
91 29.2 15.8 47.4

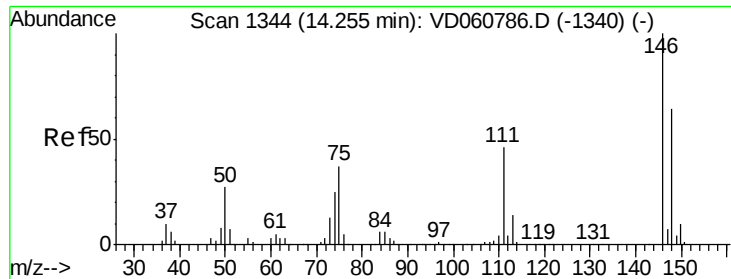


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 21.611 ug/l

RT: 14.25 min Scan# 1344

Delta R.T. 0.00 min

Lab File: VD060785.D

Acq: 23 Jan 2019 16:37

Instrument :

MSVOA_D

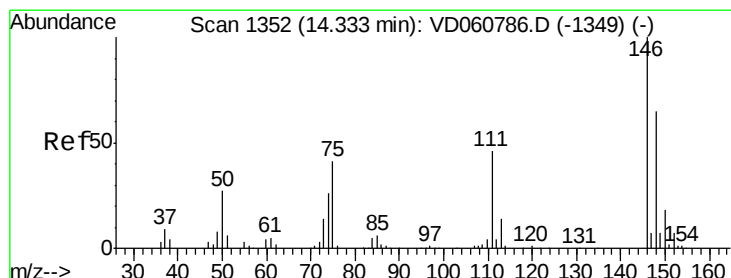
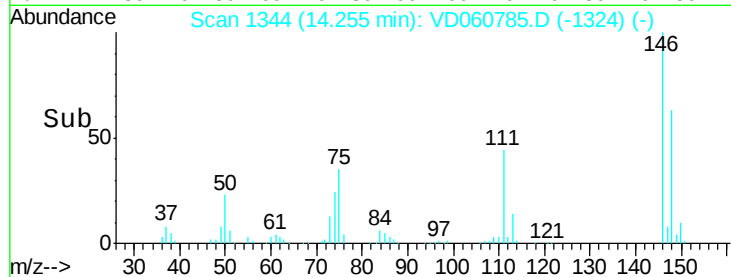
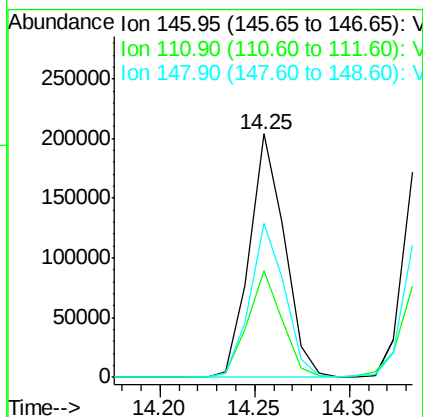
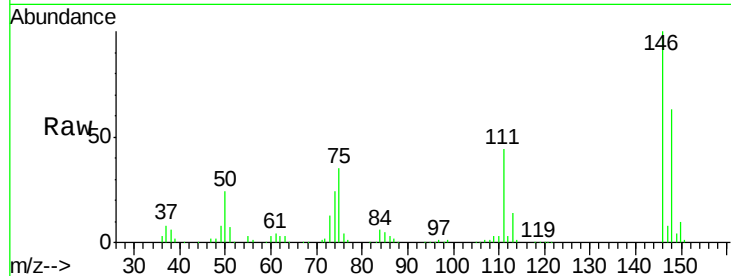
ClientSampleId :

VSTDIC020

Tot Ion:	146	Resp:	263003
Ion Ratio	Lower	Upper	
146	100		
111	44.0	22.9	68.5
148	63.1	31.9	95.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 20.632 ug/l

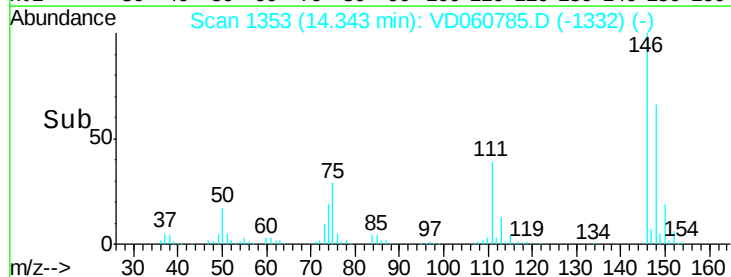
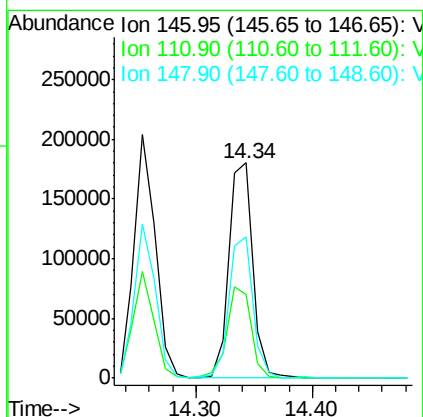
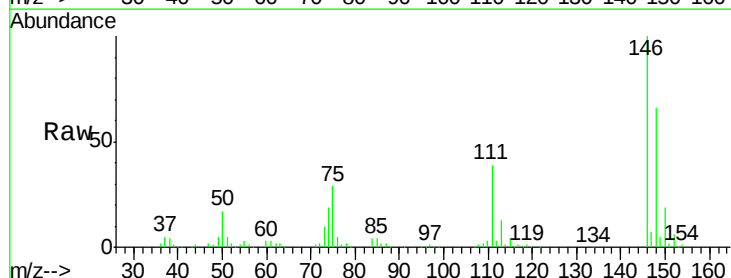
RT: 14.34 min Scan# 1353

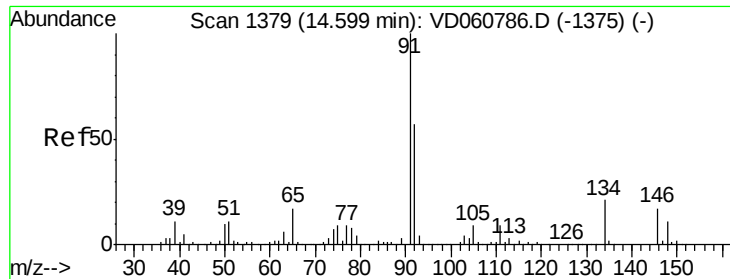
Delta R.T. 0.01 min

Lab File: VD060785.D

Acq: 23 Jan 2019 16:37

Tgt Ion:	146	Resp:	257032
Ion Ratio	Lower	Upper	
146	100		
111	38.9	23.0	69.0
148	65.6	32.3	96.9





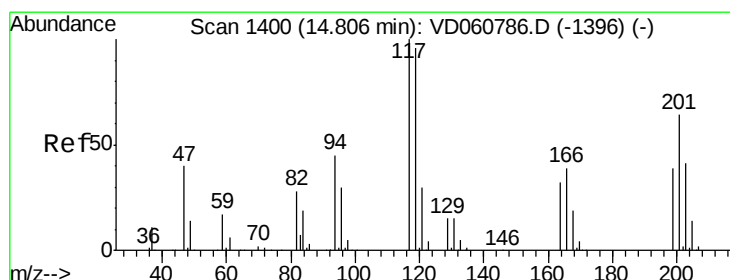
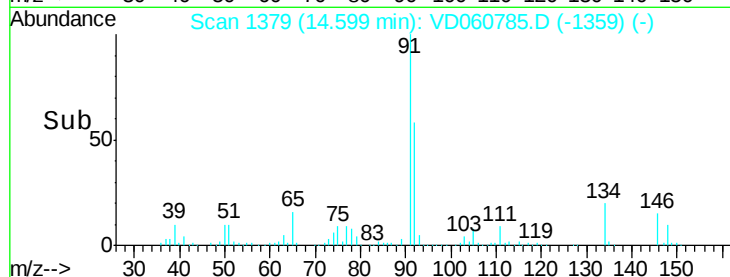
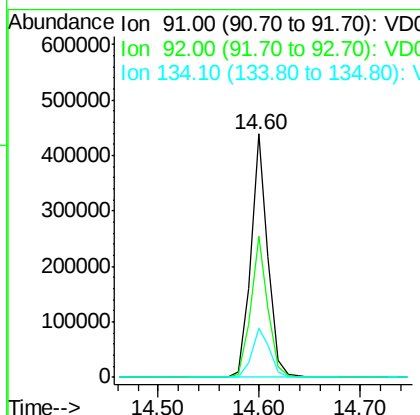
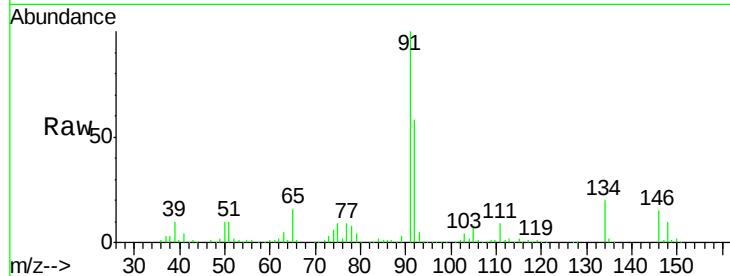
#89
n-Butylbenzene
Concen: 22.773 ug/l
RT: 14.60 min Scan# 1379
Delta R.T. 0.00 min
Lab File: VD060785.D
Acq: 23 Jan 2019 16:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	57.7	28.6	85.9
134	20.1	10.4	31.1

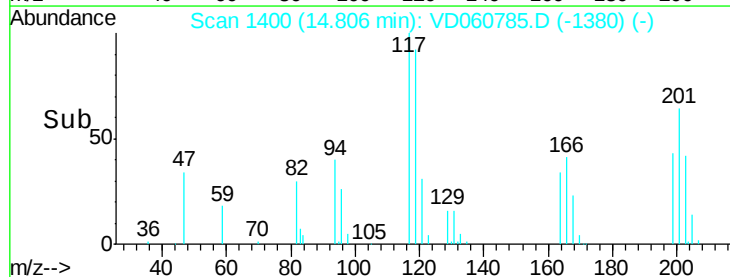
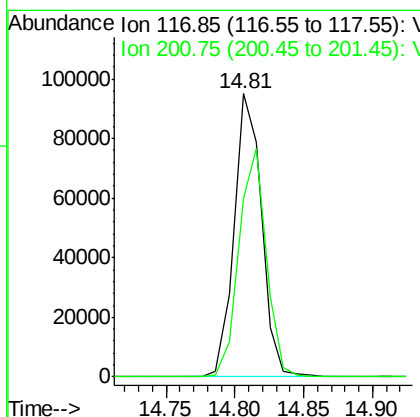
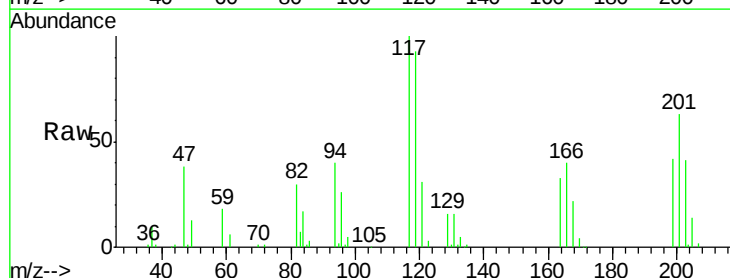
Manual Integrations
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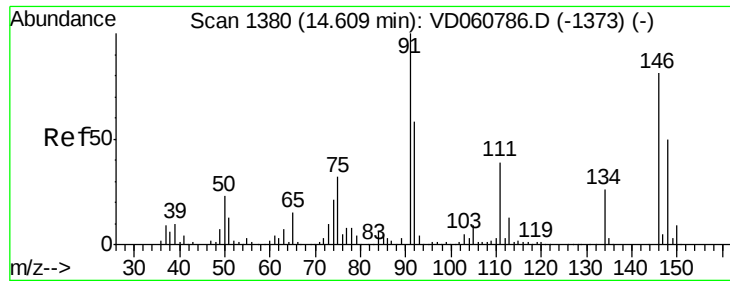
MMDadoda
1/24/2019 12:49:21 PM



#90
Hexachloroethane
Concen: 18.782 ug/l
RT: 14.81 min Scan# 1400
Delta R.T. 0.00 min
Lab File: VD060785.D
Acq: 23 Jan 2019 16:37

Tgt Ion	Ratio	Lower	Upper
117	100		
201	62.9	32.1	96.5





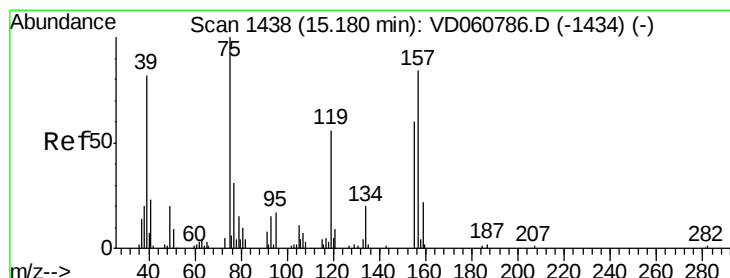
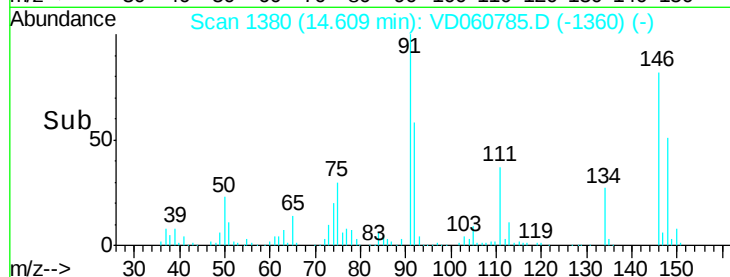
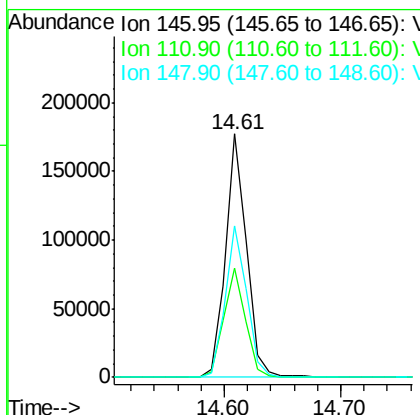
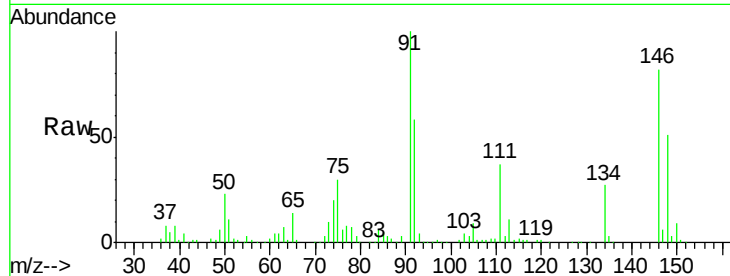
#91
 1,2-Dichlorobenzene
 Concen: 21.909 ug/l
 RT: 14.61 min Scan# 1380
 Delta R.T. 0.00 min
 Lab File: VD060785.D
 Acq: 23 Jan 2019 16:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.7	23.8	71.2
148	62.3	30.6	92.0

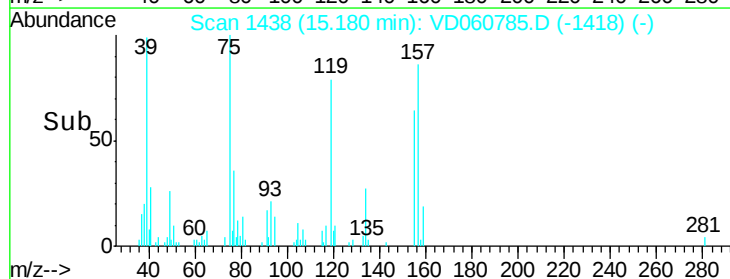
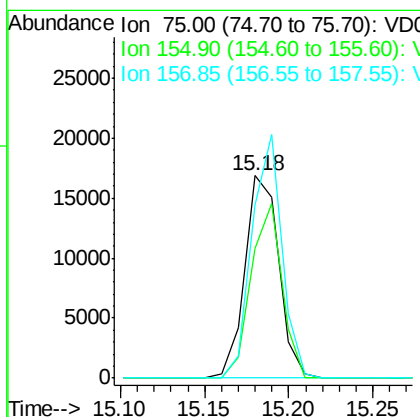
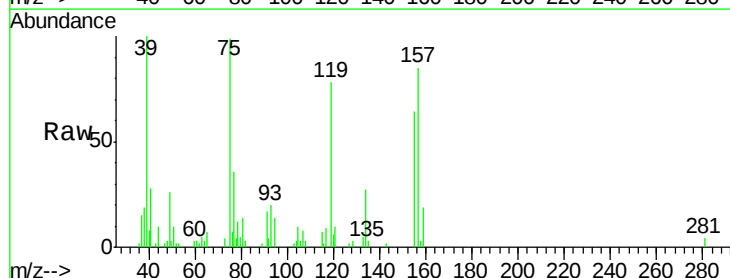
Manual Integrations
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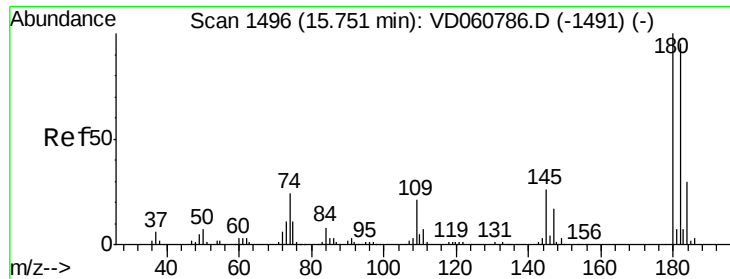
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.159 ug/l
 RT: 15.18 min Scan# 1438
 Delta R.T. 0.00 min
 Lab File: VD060785.D
 Acq: 23 Jan 2019 16:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	64.2	30.0	90.0
157	85.9	42.1	126.3





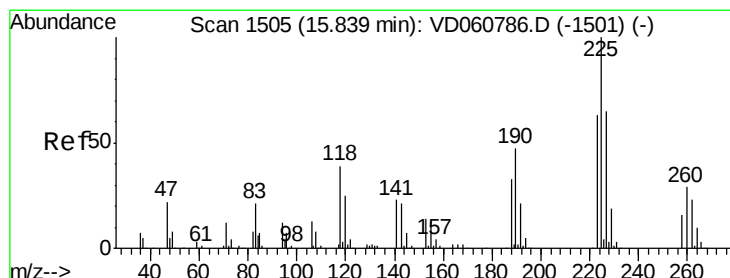
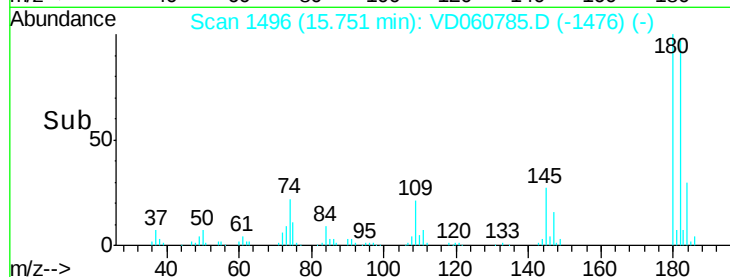
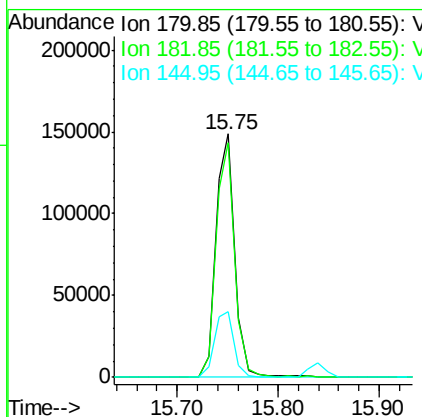
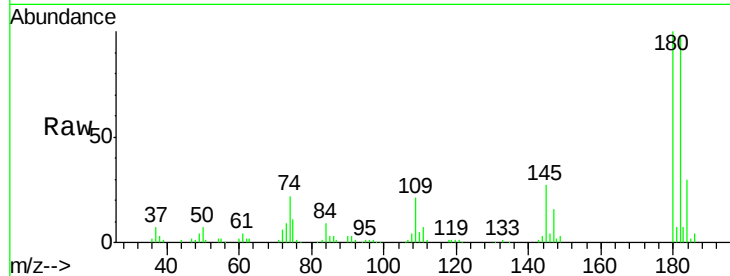
#93
 1,2,4-Trichlorobenzene
 Concen: 21.269 ug/l
 RT: 15.75 min Scan# 1496
 Delta R.T. 0.00 min
 Lab File: VD060785.D
 Acq: 23 Jan 2019 16:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	194610		
182	96.5	47.3	142.0	
145	27.1	13.0	39.0	

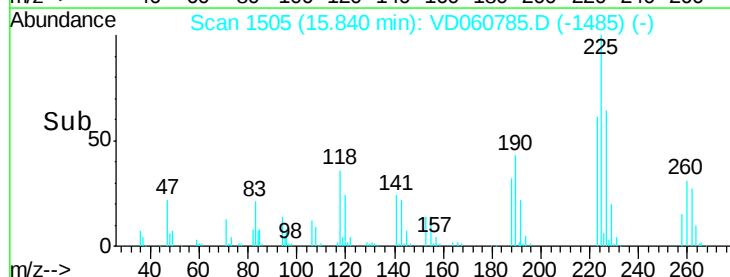
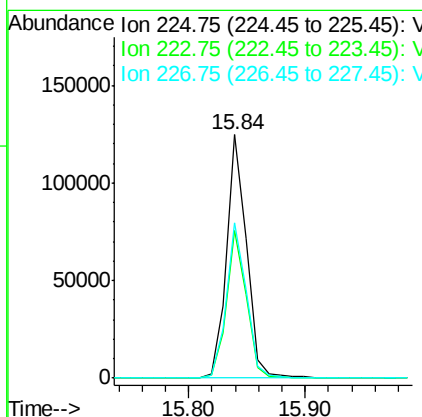
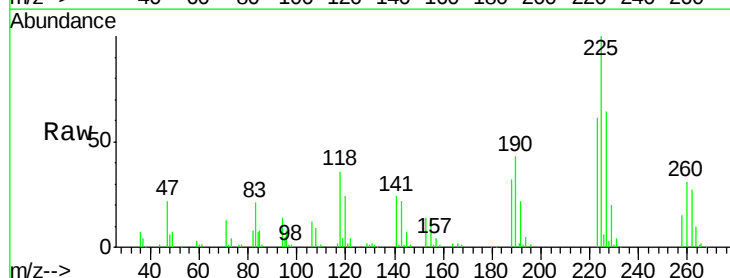
Manual Integrations
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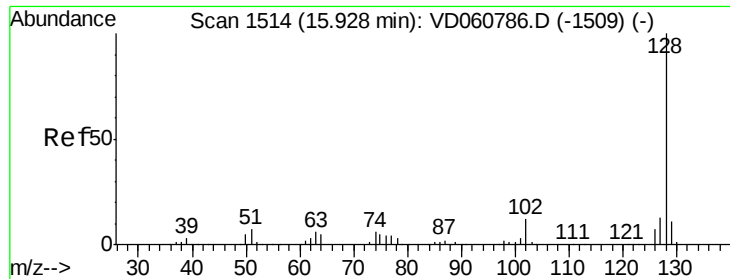
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#94
 Hexachlorobutadiene
 Concen: 21.407 ug/l
 RT: 15.84 min Scan# 1505
 Delta R.T. 0.00 min
 Lab File: VD060785.D
 Acq: 23 Jan 2019 16:37

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	147978		
223	60.7	31.6	94.8	
227	63.7	32.6	97.7	





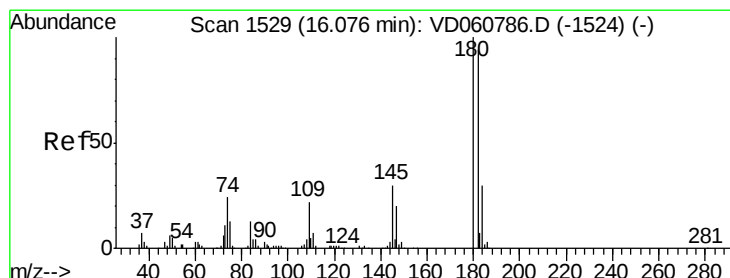
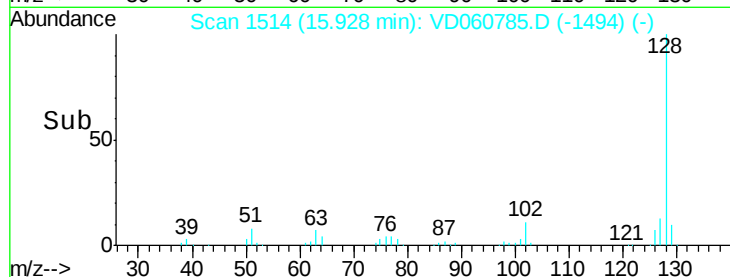
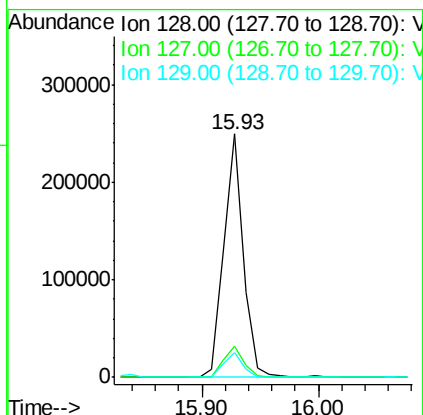
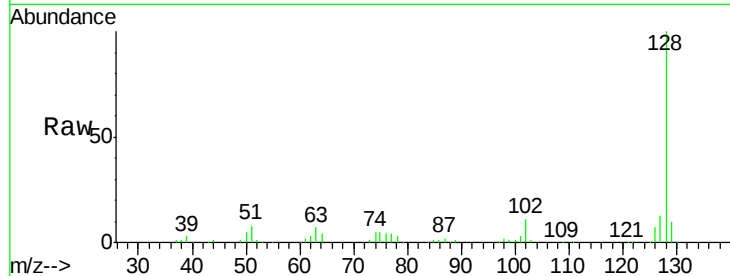
#95
Naphthalene
Concen: 20.757 ug/l
RT: 15.93 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VD060785.D
Acq: 23 Jan 2019 16:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.4	15.6
129	10.0	8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 21.727 ug/l
RT: 16.08 min Scan# 1529
Delta R.T. 0.00 min
Lab File: VD060785.D
Acq: 23 Jan 2019 16:37

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.2	47.0	141.0
145	30.1	14.9	44.5

