

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012319\
 Data File : VD060789.D
 Acq On : 23 Jan 2019 18:31
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICSVVD012319

Manual Integrations
 APPROVED

MMDadoda
 1/24/2019 12:50:22 PM

Quant Time: Jan 24 07:10:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 24 06:50:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.80	168	645535	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.98	114	889609	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.16	117	692973	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.32	152	368367	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.22	65	430679	50.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.98%	
35) Dibromofluoromethane	6.69	113	437223	55.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.48%	
50) Toluene-d8	10.18	98	1024304	53.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.90%	
62) 4-Bromofluorobenzene	13.35	95	493207	52.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.59	85	425590	55.664	ug/l	94
3) Chloromethane	1.76	50	250198	55.637	ug/l	96
4) Vinyl Chloride	1.85	62	259106	56.334	ug/l	98
5) Bromomethane	2.14	94	86080	69.941	ug/l	94
6) Chloroethane	2.24	64	88075	62.669	ug/l	96
7) Trichlorofluoromethane	2.50	101	489447	56.547	ug/l	96
8) Diethyl Ether	2.80	74	70622	59.024	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	3.07	101	248376	56.978	ug/l	99
10) Methyl Iodide	3.21	142	238896	50.130	ug/l #	93
11) Tert butyl alcohol	3.93	59	114925	248.284	ug/l #	90
12) 1,1-Dichloroethene	3.05	96	179499	57.680	ug/l	95
13) Acrolein	2.96	56	50976	290.799	ug/l	98
14) Allyl chloride	3.50	41	392303	56.935	ug/l	97
15) Acrylonitrile	4.04	53	291105	253.956	ug/l	99
16) Acetone	3.13	43	299548	242.759	ug/l	92
17) Carbon Disulfide	3.28	76	575740	54.259	ug/l	98
18) Methyl Acetate	3.52	43	130502	51.232	ug/l #	86
19) Methyl tert-butyl Ether	4.09	73	779834	52.353	ug/l	99
20) Methylene Chloride	3.68	84	315989	52.045	ug/l	99
21) trans-1,2-Dichloroethene	4.06	96	322258	52.725	ug/l	97
22) Diisopropyl ether	4.90	45	1103709	53.936	ug/l	97
23) Vinyl Acetate	4.83	43	2955920	256.756	ug/l	98
24) 1,1-Dichloroethane	4.77	63	682195	53.294	ug/l	99
25) 2-Butanone	5.84	43	450266	248.885	ug/l	95
26) 2,2-Dichloropropane	5.78	77	632730	50.953	ug/l	99
27) cis-1,2-Dichloroethene	5.80	96	324733	49.926	ug/l	97
28) Bromochloromethane	6.20	49	259886	52.815	ug/l #	91
29) Tetrahydrofuran	6.24	42	234645	263.865	ug/l	98
30) Chloroform	6.42	83	776578	53.611	ug/l	93
31) Cyclohexane	6.72	56	478169	51.225	ug/l	98
32) 1,1,1-Trichloroethane	6.63	97	740515	54.296	ug/l	98
36) 1,1-Dichloropropene	6.91	75	550606	52.084	ug/l	98
37) Ethyl Acetate	5.94	43	239019	51.069	ug/l	99
38) Carbon Tetrachloride	6.88	117	649358	51.727	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.64	83	501313	52.818	ug/l	94
40) Benzene	7.22	78	1046077	47.612	ug/l	99
41) Methacrylonitrile	6.22	41	137693m	44.387	ug/l	
42) 1,2-Dichloroethane	7.34	62	588004	53.217	ug/l	96
43) Isopropyl Acetate	9.01	43	323342	49.308	ug/l #	100
44) Trichloroethene	8.30	130	393011	53.397	ug/l	95
45) 1,2-Dichloropropane	8.71	63	289593	50.908	ug/l	99
46) Dibromomethane	8.83	93	225731	51.502	ug/l	91
47) Bromodichloromethane	9.15	83	603478	53.964	ug/l	99
48) Methyl methacrylate	8.89	41	212486	47.984	ug/l	98
49) 1,4-Dioxane	8.85	88	37993	1027.341	ug/l #	85
51) 4-Methyl-2-Pentanone	10.09	43	1034436	244.966	ug/l	98
52) Toluene	10.29	92	696761	52.459	ug/l	100
53) t-1,3-Dichloropropene	10.70	75	519840	50.693	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	521884	50.122	ug/l	96
55) 1,1,2-Trichloroethane	10.97	97	237121	50.749	ug/l	98
56) Ethyl methacrylate	10.82	69	297110	53.199	ug/l	95
57) 1,3-Dichloropropane	11.19	76	408559	52.895	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.63	63	741922	251.102	ug/l	100
59) 2-Hexanone	11.32	43	771115	241.639	ug/l	95
60) Dibromochloromethane	11.47	129	409772	54.307	ug/l	98
61) 1,2-Dibromoethane	11.59	107	273690	50.443	ug/l	92
64) Tetrachloroethene	11.04	164	342536	53.624	ug/l	96
65) Chlorobenzene	12.19	112	779085	52.304	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.31	131	328840	51.514	ug/l	93
67) Ethyl Benzene	12.32	91	1399168	51.889	ug/l	99
68) m/p-Xylenes	12.46	106	939067	102.791	ug/l	97
69) o-Xylene	12.84	106	435998	50.782	ug/l	95
70) Styrene	12.87	104	716786	54.711	ug/l	96
71) Bromoform	13.03	173	243123	50.047	ug/l	99
73) Isopropylbenzene	13.21	105	1430495	51.154	ug/l	98
74) N-amyl acetate	13.07	43	443269	49.152	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.50	83	253709	48.026	ug/l	99
76) 1,2,3-Trichloropropane	13.53	75	319840	51.428	ug/l	95
77) Bromobenzene	13.47	156	360474	48.973	ug/l	93
78) n-propylbenzene	13.57	91	1735117	49.563	ug/l	97
79) 2-Chlorotoluene	13.64	91	1054621	51.189	ug/l	100
80) 1,3,5-Trimethylbenzene	14.04	105	1171812	49.314	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.27	75	89578	52.275	ug/l	90
82) 4-Chlorotoluene	13.75	91	1206459	49.254	ug/l	97
83) tert-Butylbenzene	13.99	119	1190312	47.147	ug/l	95
84) 1,2,4-Trimethylbenzene	14.04	105	1171812	49.314	ug/l	99
85) sec-Butylbenzene	14.17	105	1380784	47.952	ug/l	100
86) p-Isopropyltoluene	14.29	119	1224458	50.104	ug/l	97
87) 1,3-Dichlorobenzene	14.26	146	639879	49.653	ug/l	99
88) 1,4-Dichlorobenzene	14.34	146	628092	48.464	ug/l	99
89) n-Butylbenzene	14.60	91	1181408	49.103	ug/l	99
90) Hexachloroethane	14.81	117	349306	51.573	ug/l	85
91) 1,2-Dichlorobenzene	14.61	146	502174	53.090	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.18	75	57298	47.659	ug/l	80

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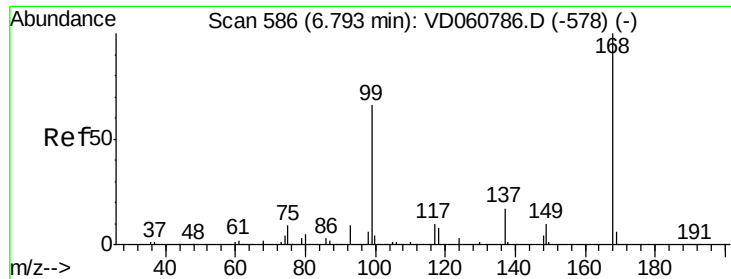
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.75	180	503295	51.325	ug/l	98
94) Hexachlorobutadiene	15.84	225	337863	47.287	ug/l	97
95) Naphthalene	15.93	128	758426	51.069	ug/l	99
96) 1,2,3-Trichlorobenzene	16.08	180	404054	48.746	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.80 min Scan# 586

Delta R.T. 0.00 min

Lab File: VD060789.D

Acq: 23 Jan 2019 18:31

Instrument :

MSVOA_D

ClientSampleId :

ICVVD012319

Tot Ion:168 Resp: 645535

Ion Ratio Lower Upper

168 100

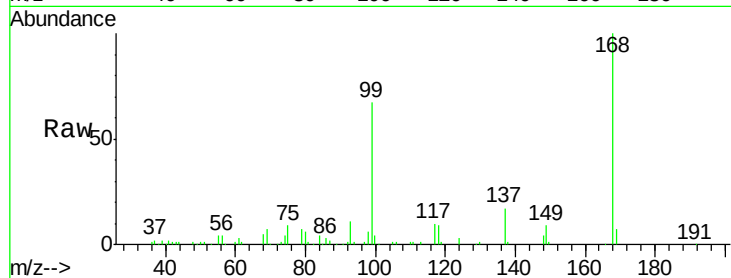
99 67.3 54.6 81.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.80

200000

150000

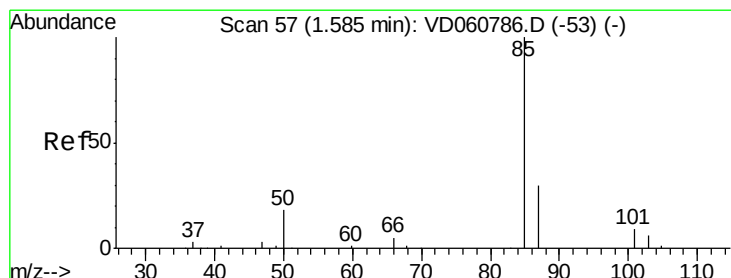
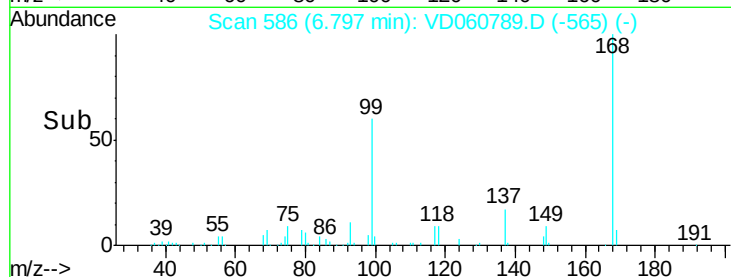
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50000

0

6.70 6.80 6.90 7.00

Time-->



#2

Dichlorodifluoromethane

Concen: 55.664 ug/l

RT: 1.59 min Scan# 57

Delta R.T. 0.00 min

Lab File: VD060789.D

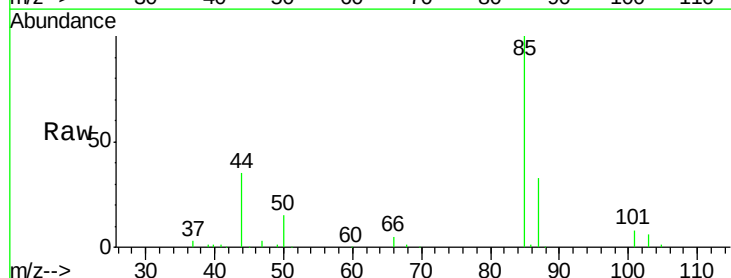
Acq: 23 Jan 2019 18:31

Tgt Ion: 85 Resp: 425590

Ion Ratio Lower Upper

85 100

87 33.1 14.9 44.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.59

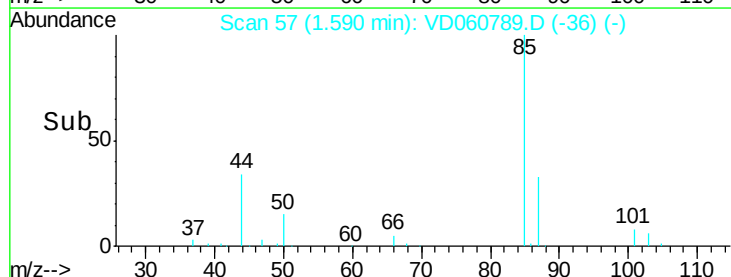
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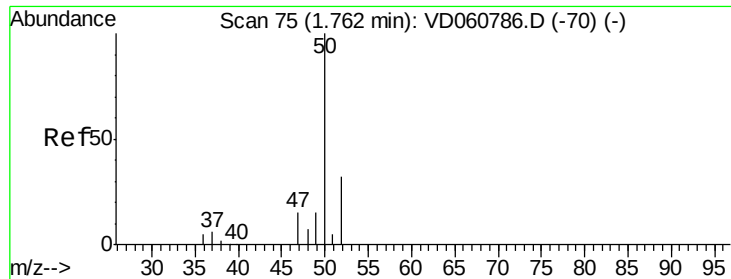
50000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 55.637 ug/l

RT: 1.76 min Scan# 74

Delta R.T. -0.01 min

Lab File: VD060789.D

Acq: 23 Jan 2019 18:31

Instrument :

MSVOA_D

ClientSampleId :

ICVVD012319

Tot Ion: 50 Resp: 250198

Ion Ratio Lower Upper

50 100

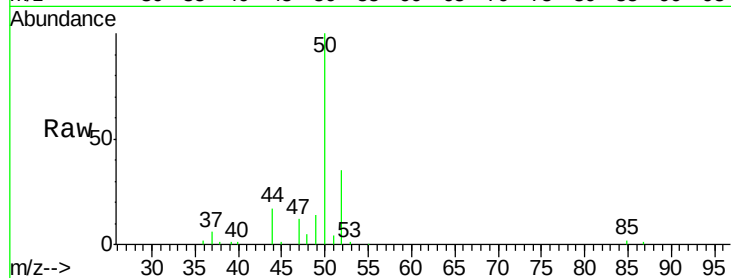
52 34.6 25.8 38.6

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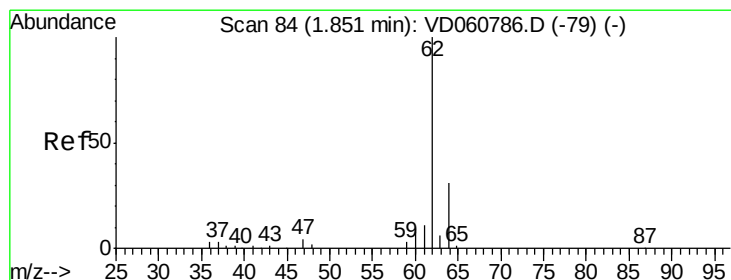
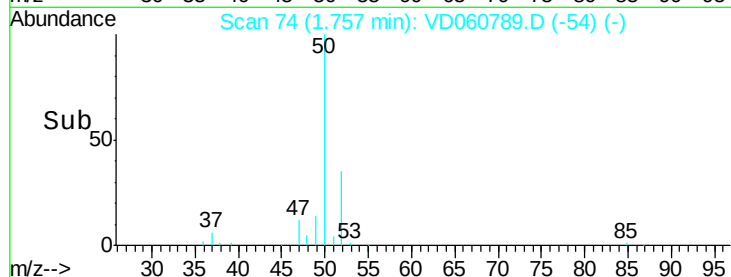
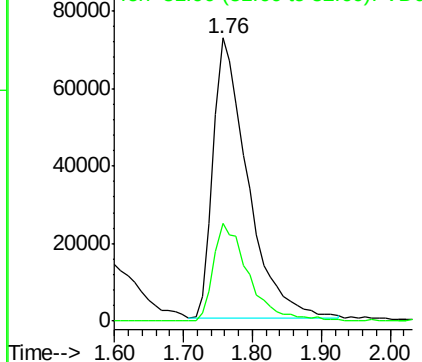
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 56.334 ug/l

RT: 1.85 min Scan# 83

Delta R.T. -0.01 min

Lab File: VD060789.D

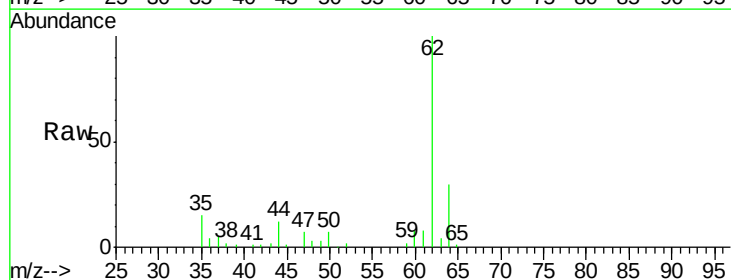
Acq: 23 Jan 2019 18:31

Tgt Ion: 62 Resp: 259106

Ion Ratio Lower Upper

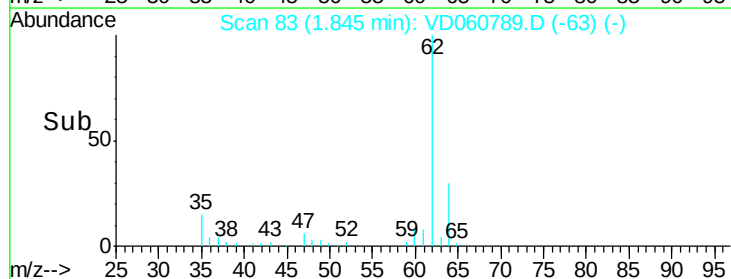
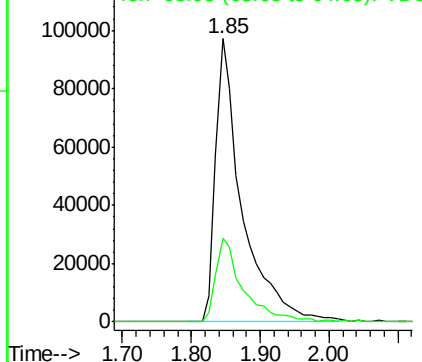
62 100

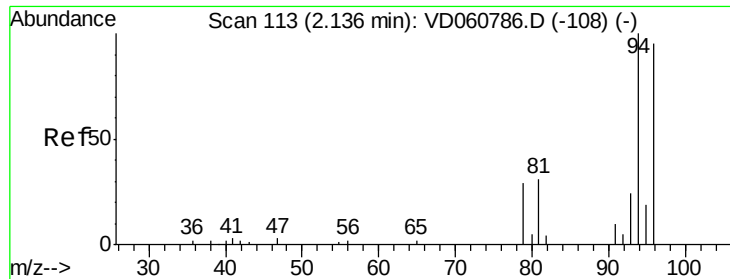
64 29.7 24.6 37.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





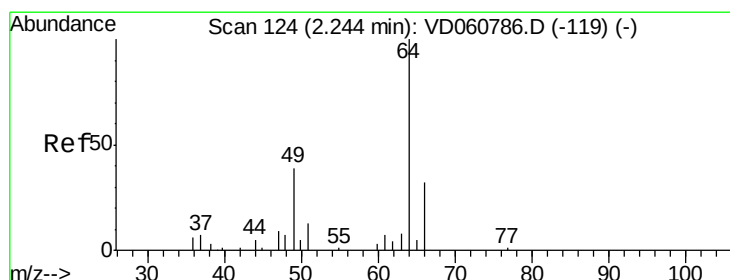
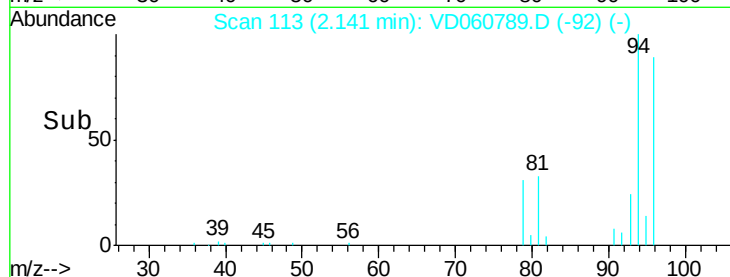
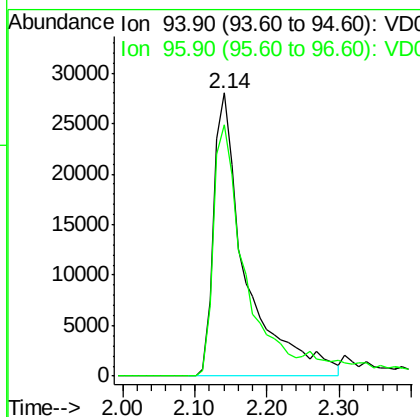
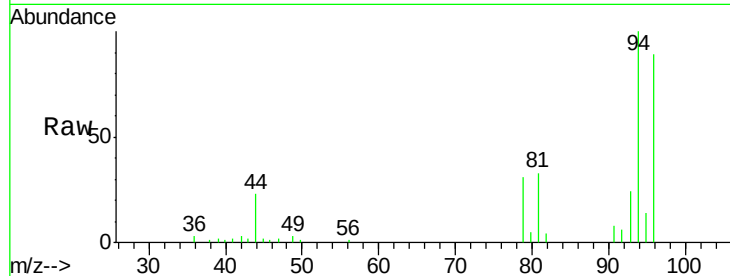
#5
Bromomethane
Concen: 69.941 ug/l
RT: 2.14 min Scan# 113
Delta R.T. 0.00 min
Lab File: VD060789.D
Acq: 23 Jan 2019 18:31

Instrument :
MSVOA_D
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ICVVD012319

Tot Ion: 94 Resp: 86080
Ion Ratio Lower Upper
94 100
96 88.7 75.9 113.9

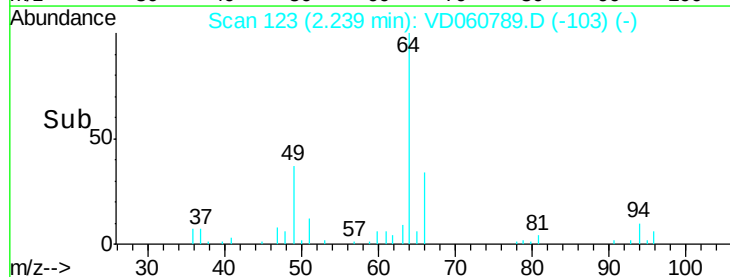
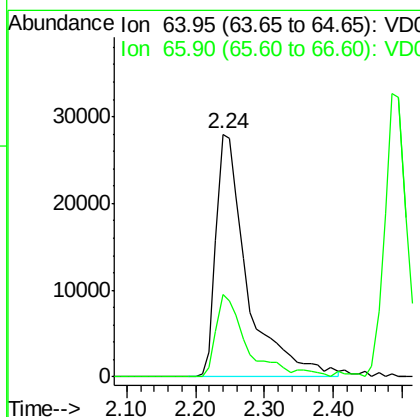
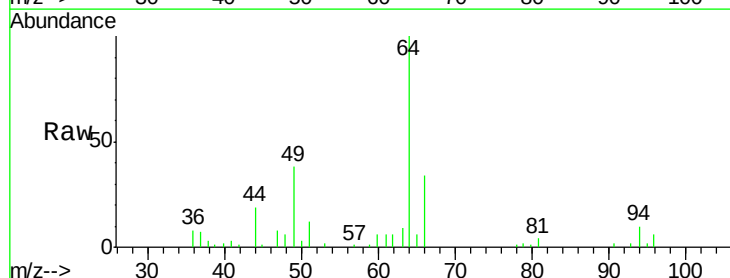
Manual Integrations
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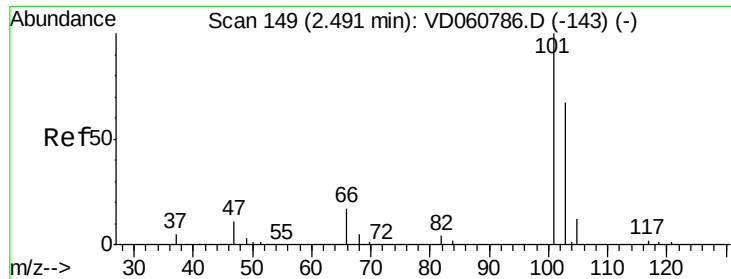
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#6
Chloroethane
Concen: 62.669 ug/l
RT: 2.24 min Scan# 123
Delta R.T. -0.00 min
Lab File: VD060789.D
Acq: 23 Jan 2019 18:31

Tgt Ion: 64 Resp: 88075
Ion Ratio Lower Upper
64 100
66 34.2 25.6 38.4





#7

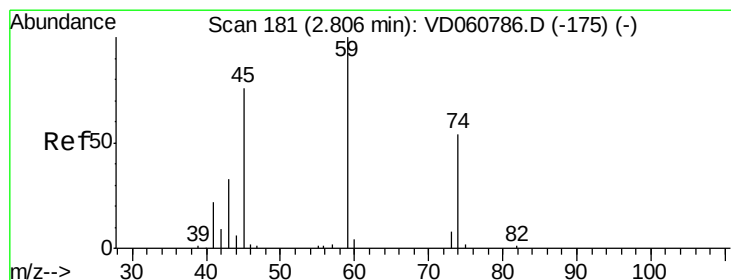
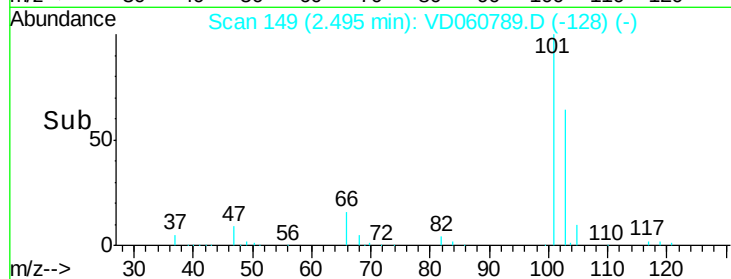
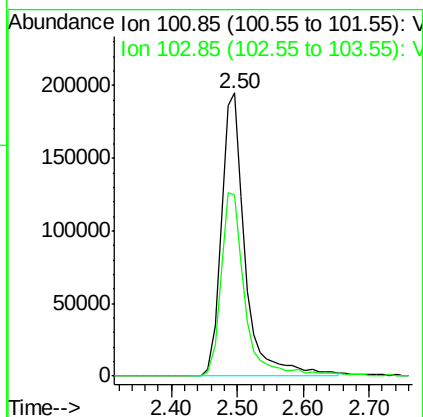
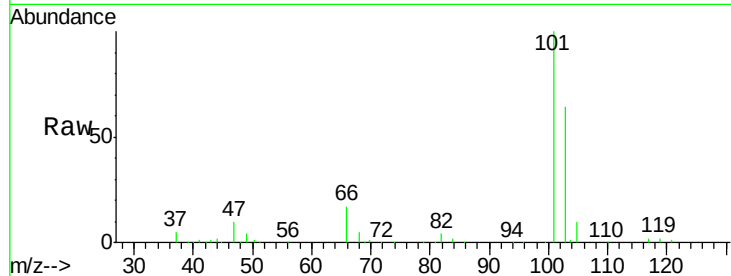
Trichlorofluoromethane
 Concen: 56.547 ug/l
 RT: 2.50 min Scan# 149
 Delta R.T. 0.00 min
 Lab File: VD060789.D
 Acq: 23 Jan 2019 18:31

Instrument :
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 ClientSampleId :
 ICVVD012319

Tot Ion:101 Resp: 489447
 Ion Ratio Lower Upper
 101 100
 103 64.1 53.6 80.4

Manual Integrations
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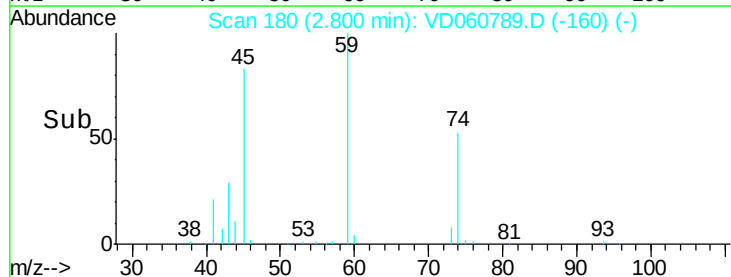
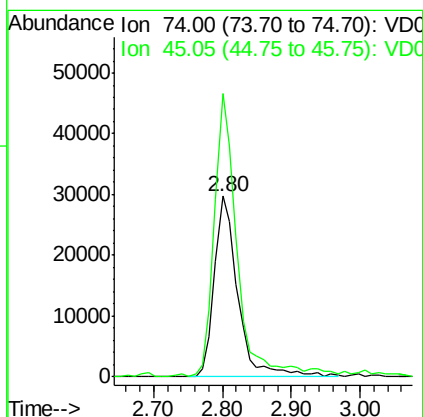
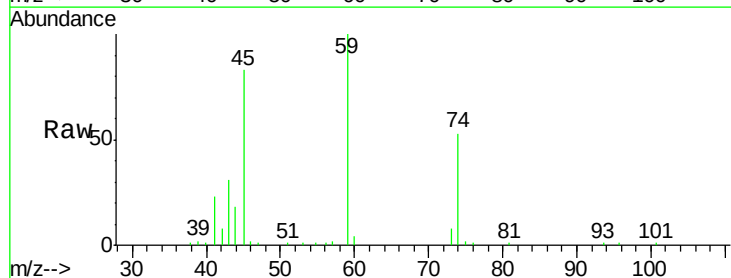
MMDadoda
 1/24/2019 12:50:22 PM

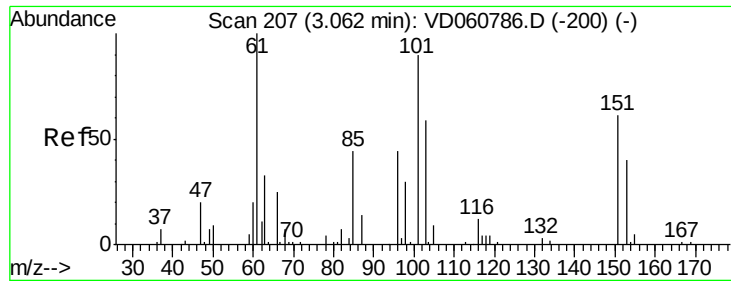


#8

Diethyl Ether
 Concen: 59.024 ug/l
 RT: 2.80 min Scan# 180
 Delta R.T. -0.01 min
 Lab File: VD060789.D
 Acq: 23 Jan 2019 18:31

Tgt Ion: 74 Resp: 70622
 Ion Ratio Lower Upper
 74 100
 45 156.5 70.5 211.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 56.978 ug/l

RT: 3.07 min Scan# 207

Delta R.T. 0.00 min

Lab File: VD060789.D

Acq: 23 Jan 2019 18:31

Instrument :

MSVOA_D

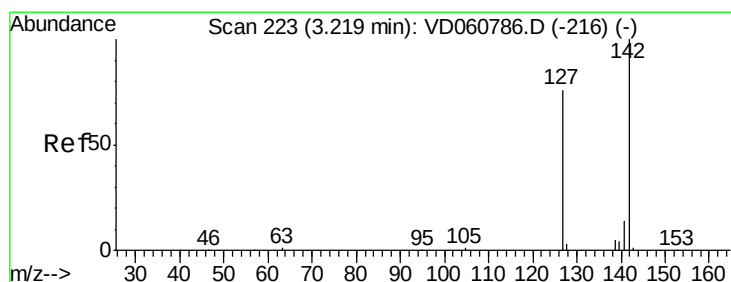
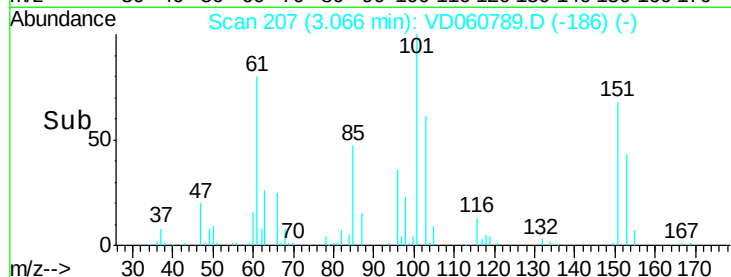
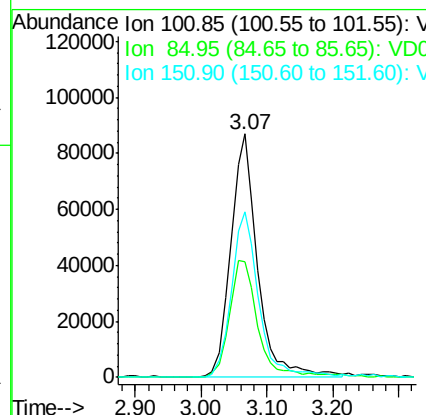
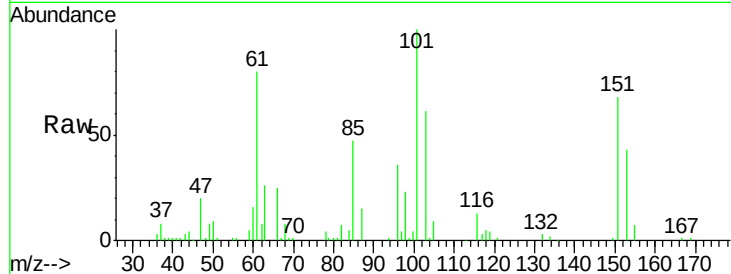
ClientSampleID :

ICVVD012319

Tot Ion:	101	Resp:	248376
Ion Ratio	Lower	Upper	
101	100		
85	47.4	39.0	58.4
151	68.2	54.5	81.7

Manual Integrations
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#10

Methyl Iodide

Concen: 50.130 ug/l

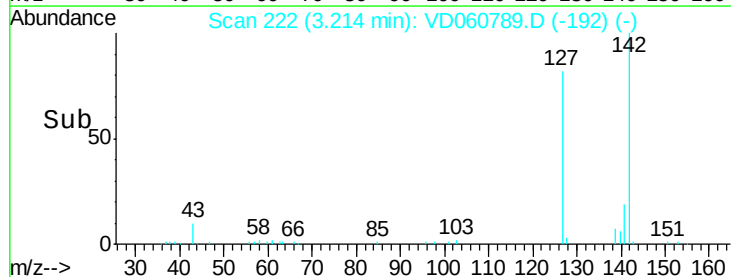
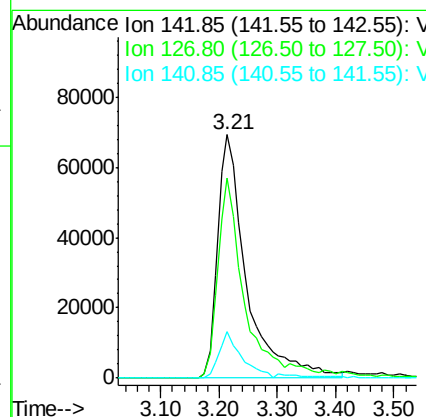
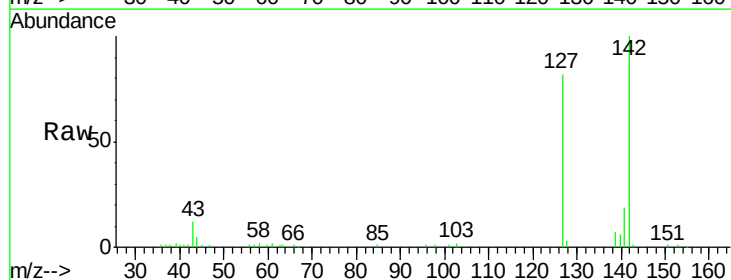
RT: 3.21 min Scan# 222

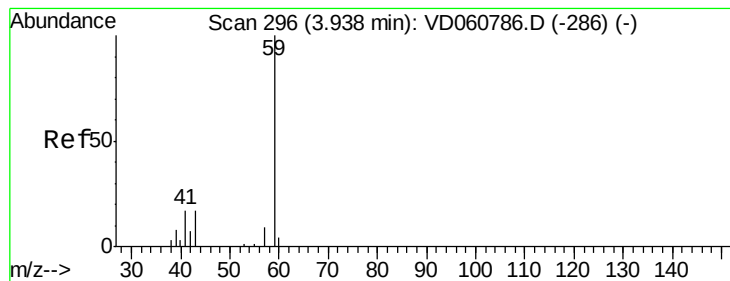
Delta R.T. -0.01 min

Lab File: VD060789.D

Acq: 23 Jan 2019 18:31

Tgt Ion:	142	Resp:	238896
Ion Ratio	Lower	Upper	
142	100		
127	82.0	61.0	91.6
141	19.2	11.5	17.3#





#11

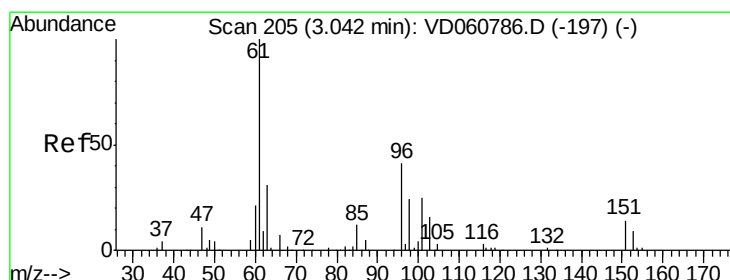
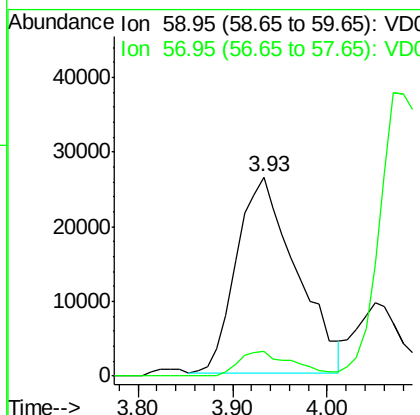
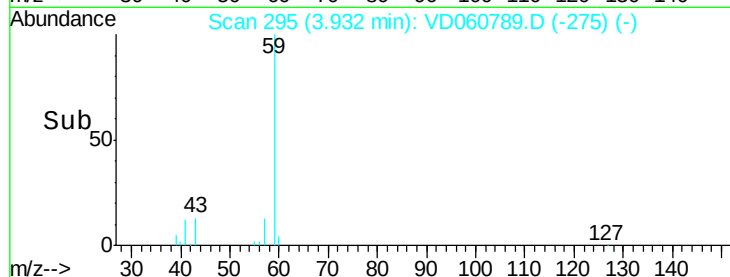
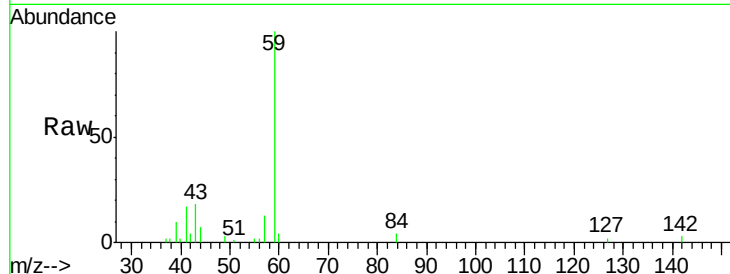
Tert butyl alcohol
Concen: 248.284 ug/l
RT: 3.93 min Scan# 295
Delta R.T. -0.01 min
Lab File: VD060789.D
Acq: 23 Jan 2019 18:31

Instrument :
MSVOA_D
ClientSampleId :
ICVVD012319

Tot Ion: 59 Resp: 114925
Ion Ratio Lower Upper
59 100
57 12.5 7.0 10.6#

Manual Integrations
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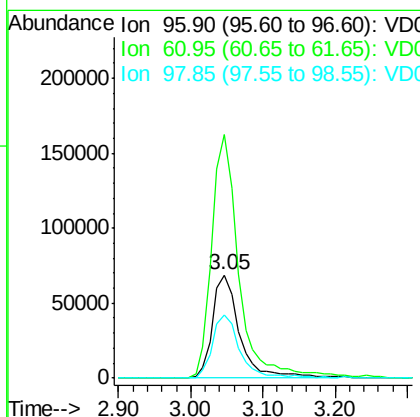
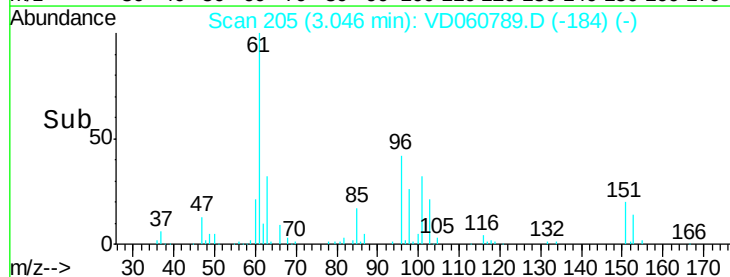
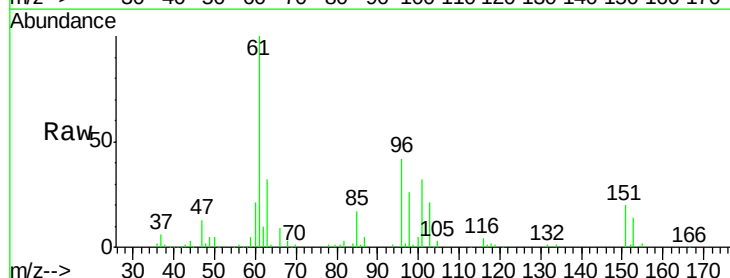
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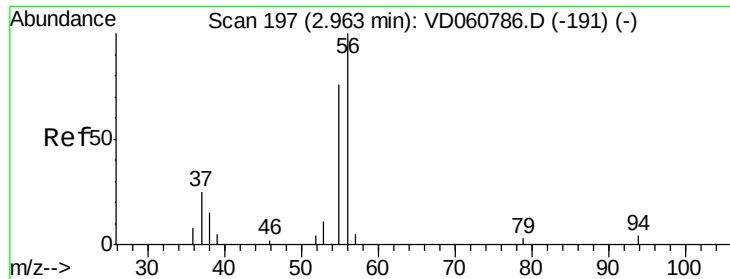


#12

1,1-Dichloroethene
Concen: 57.680 ug/l
RT: 3.05 min Scan# 205
Delta R.T. 0.00 min
Lab File: VD060789.D
Acq: 23 Jan 2019 18:31

Tgt Ion: 96 Resp: 179499
Ion Ratio Lower Upper
96 100
61 236.3 196.9 295.3
98 61.2 46.6 69.8





#13

Acrolein

Concen: 290.799 ug/l

RT: 2.96 min Scan# 196

Delta R.T. -0.01 min

Lab File: VD060789.D

Acq: 23 Jan 2019 18:31

Instrument :

MSVOA_D

ClientSampleId :

ICVVD012319

Tot Ion: 56 Resp: 50976

Ion Ratio Lower Upper

56 100

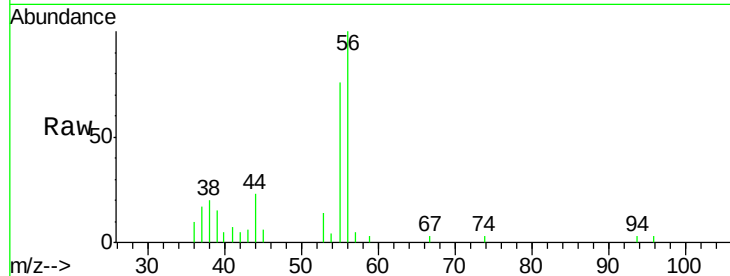
55 76.0 62.2 93.4

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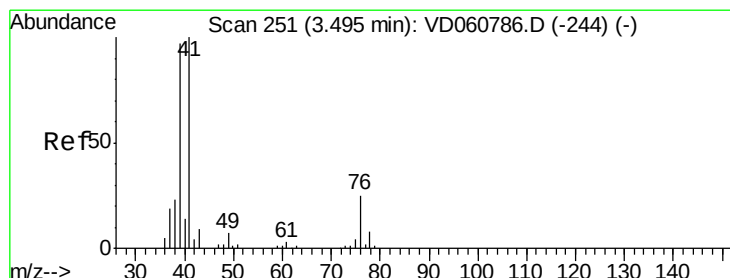
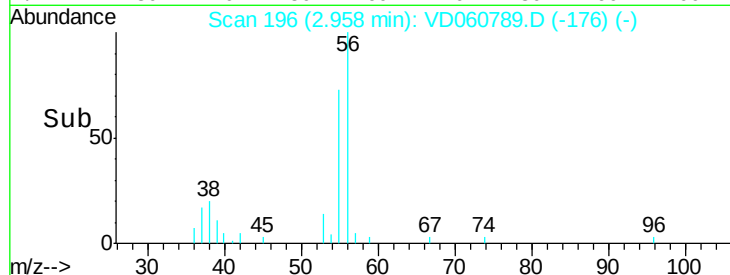
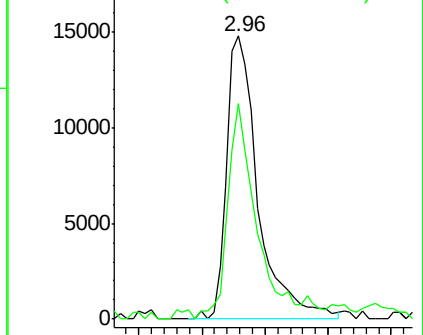
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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 56.935 ug/l

RT: 3.50 min Scan# 251

Delta R.T. 0.00 min

Lab File: VD060789.D

Acq: 23 Jan 2019 18:31

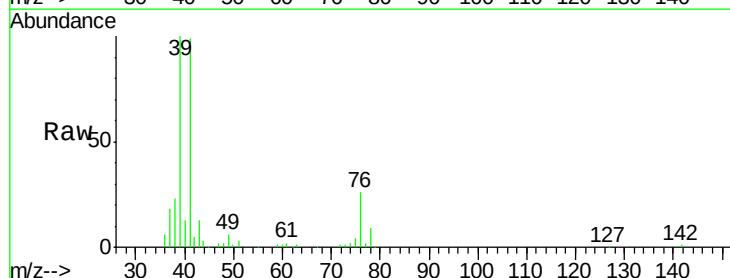
Tgt Ion: 41 Resp: 392303

Ion Ratio Lower Upper

41 100

39 100.7 77.7 116.5

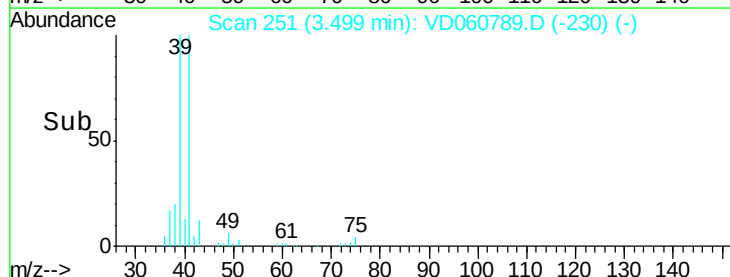
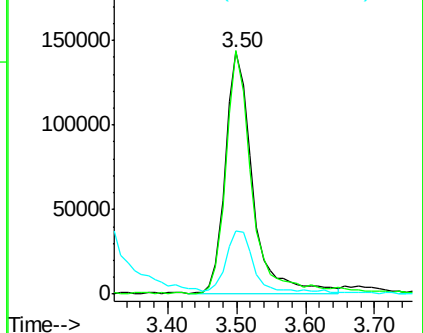
76 26.2 21.8 32.8

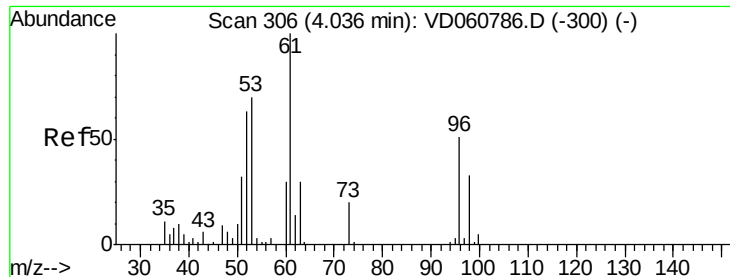


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 253.956 ug/l

RT: 4.04 min Scan# 306

Delta R.T. 0.00 min

Lab File: VD060789.D

Acq: 23 Jan 2019 18:31

Instrument :

MSVOA_D

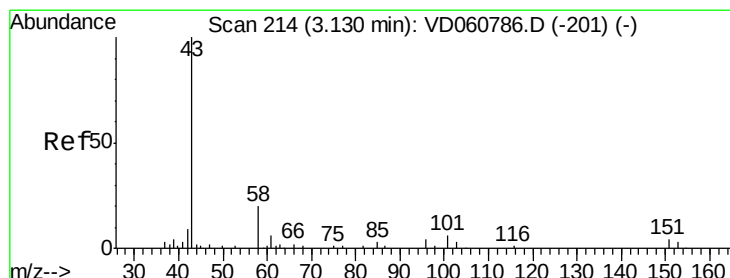
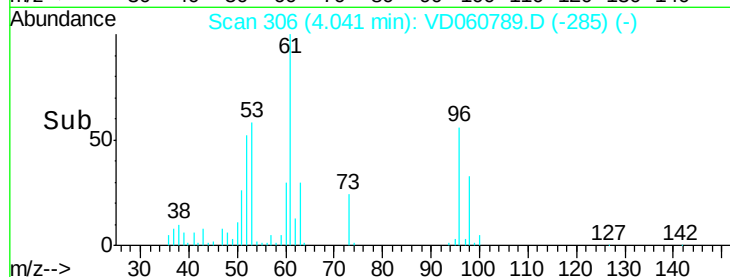
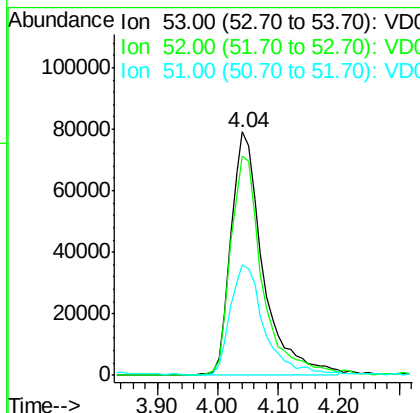
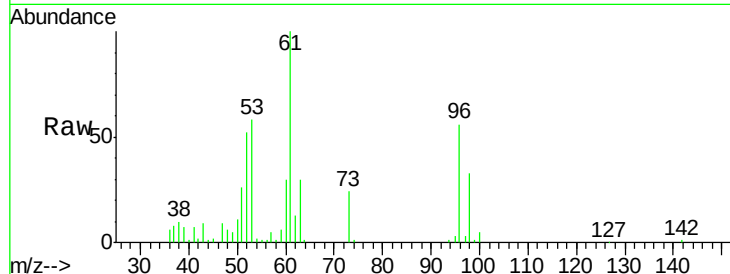
ClientSampleId :

ICVVD012319

Tot Ion:	53	Resp:	291105
Ion	Ratio	Lower	Upper
53	100		
52	90.0	71.6	107.4
51	45.6	36.0	54.0

Manual Integrations
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#16

Acetone

Concen: 242.759 ug/l

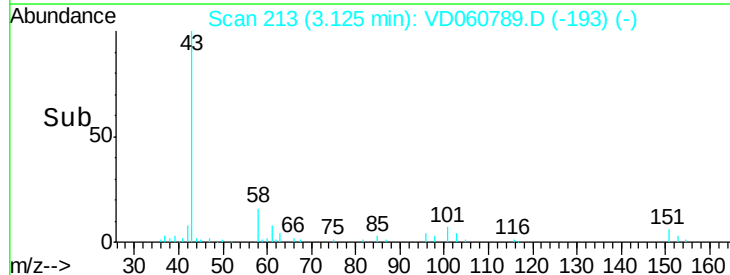
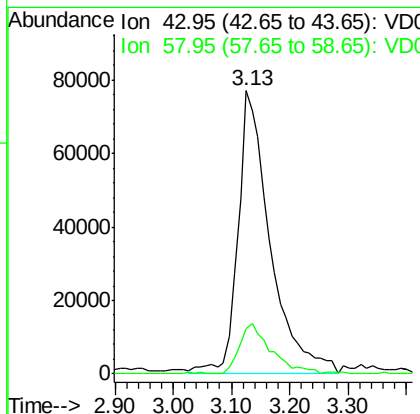
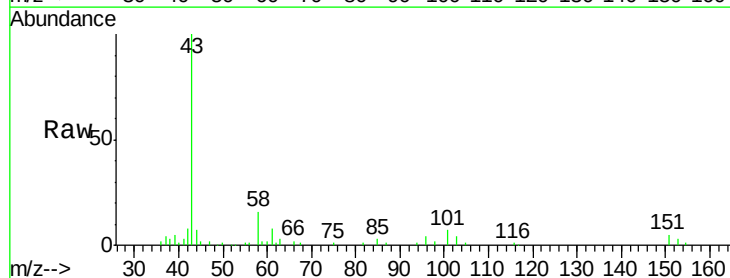
RT: 3.13 min Scan# 213

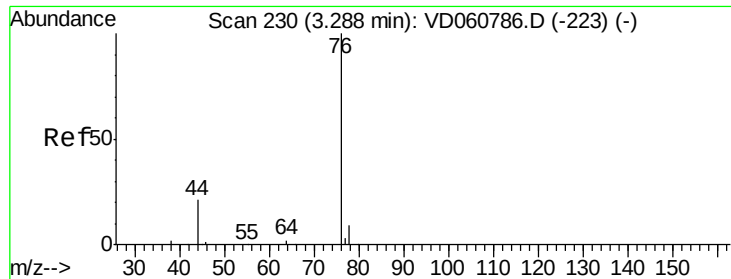
Delta R.T. -0.01 min

Lab File: VD060789.D

Acq: 23 Jan 2019 18:31

Tgt Ion:	43	Resp:	299548
Ion	Ratio	Lower	Upper
43	100		
58	16.2	16.0	24.0





#17

Carbon Disulfide

Concen: 54.259 ug/l

RT: 3.28 min Scan# 229

Delta R.T. -0.01 min

Lab File: VD060789.D

Acq: 23 Jan 2019 18:31

Tot Ion: 76 Resp: 575740

Ion Ratio Lower Upper

76 100

78 10.1 7.4 11.0

Instrument :

MSVOA_D

ClientSampleId :

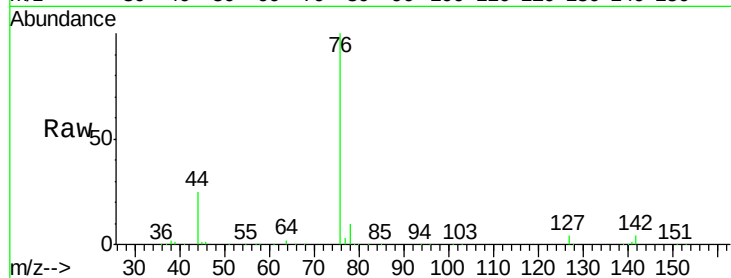
ICVVD012319

Manual Integrations

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Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

250000

200000

150000

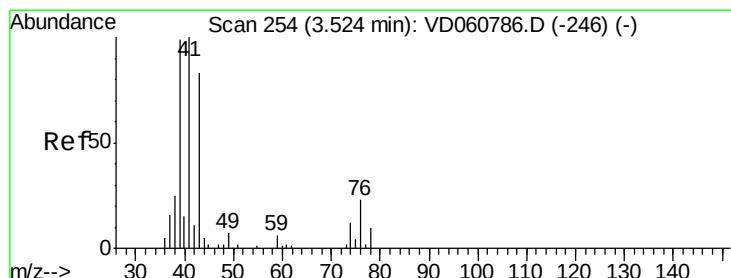
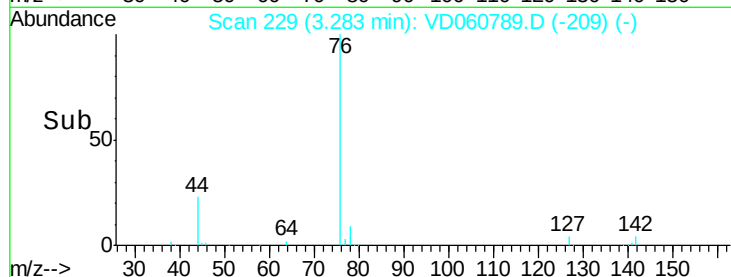
100000

50000

0

3.20 3.30 3.40 3.50

Time-->



#18

Methyl Acetate

Concen: 51.232 ug/l

RT: 3.52 min Scan# 253

Delta R.T. -0.00 min

Lab File: VD060789.D

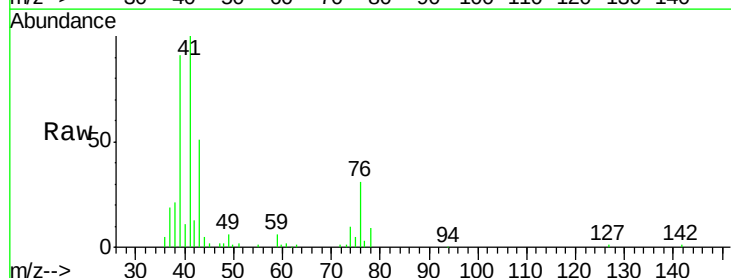
Acq: 23 Jan 2019 18:31

Tgt Ion: 43 Resp: 130502

Ion Ratio Lower Upper

43 100

74 19.1 10.8 16.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

50000

40000

30000

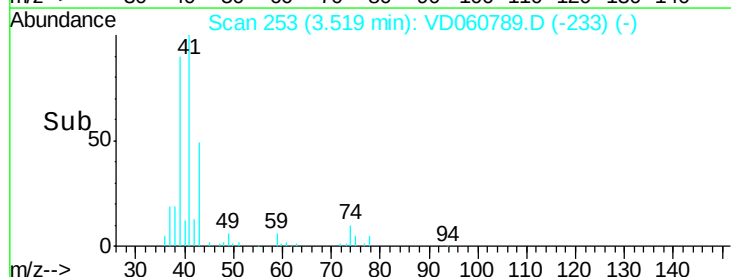
20000

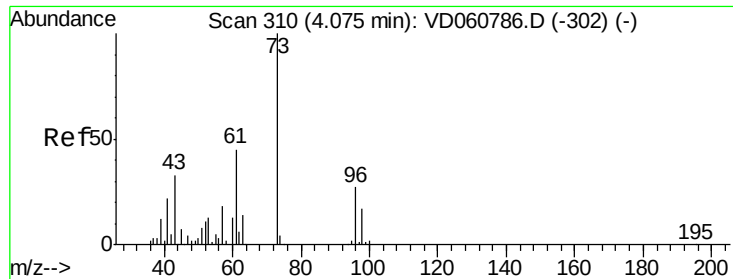
10000

0

3.40 3.50 3.60 3.70

Time-->





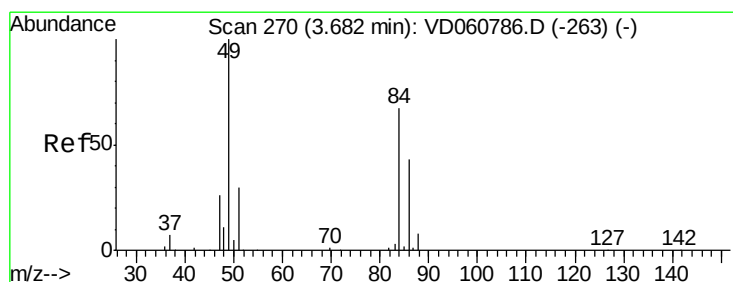
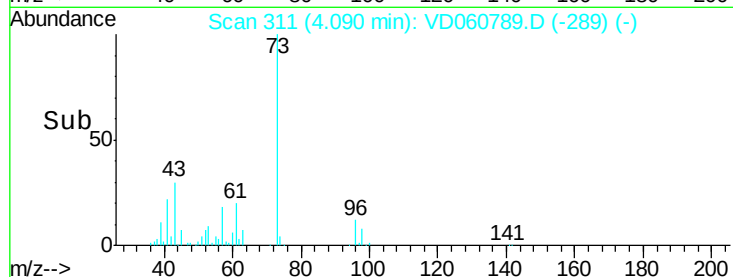
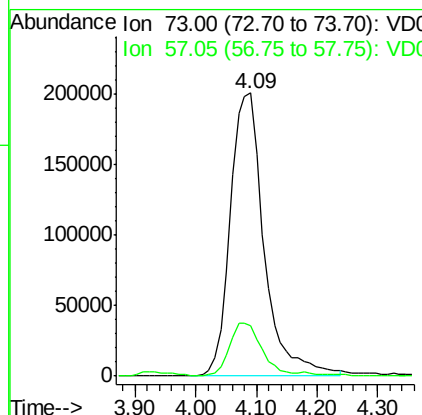
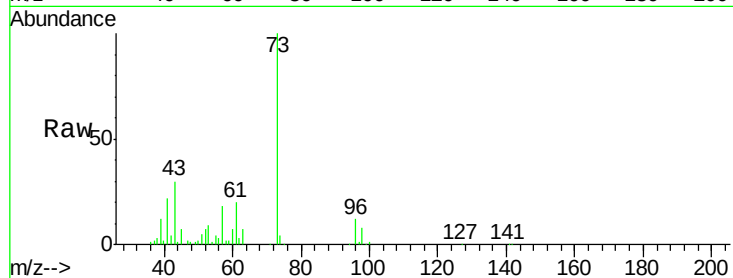
#19
Methyl tert-butyl Ether
Concen: 52.353 ug/l
RT: 4.09 min Scan# 311
Delta R.T. 0.01 min
Lab File: VD060789.D
Acq: 23 Jan 2019 18:31

Instrument :
MSVOA_D
ClientSampleId :
ICVVD012319

Tot Ion: 73 Resp: 779834
Ion Ratio Lower Upper
73 100
57 17.8 14.7 22.1

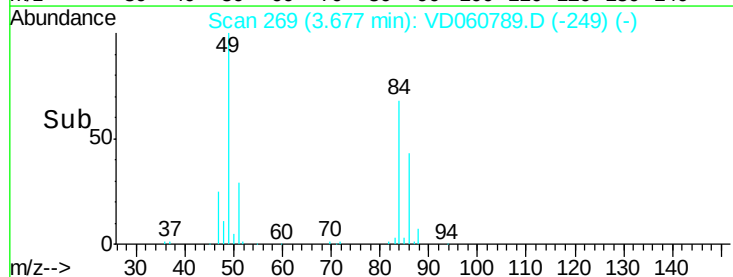
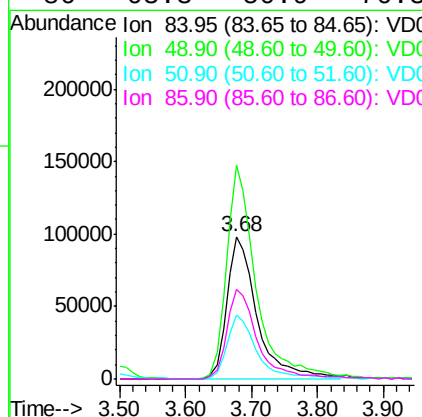
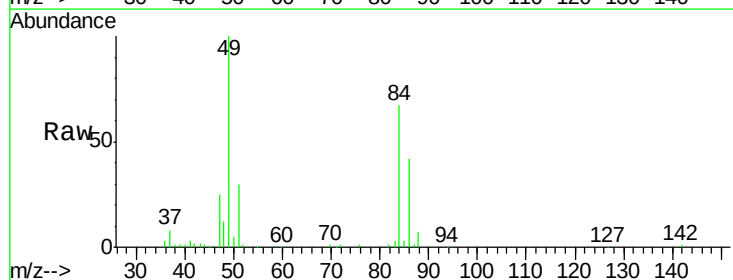
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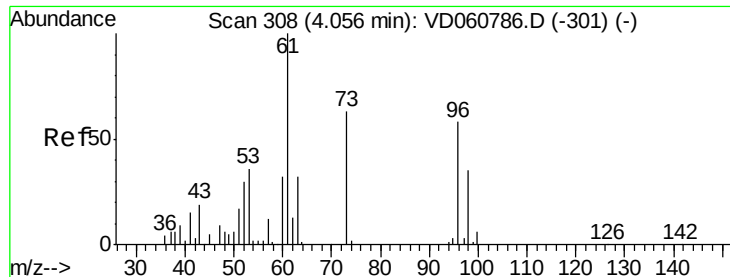
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#20
Methylene Chloride
Concen: 52.045 ug/l
RT: 3.68 min Scan# 269
Delta R.T. -0.00 min
Lab File: VD060789.D
Acq: 23 Jan 2019 18:31

Tgt Ion: 84 Resp: 315989
Ion Ratio Lower Upper
84 100
49 150.2 119.6 179.4
51 44.8 36.2 54.4
86 63.3 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 52.725 ug/l

RT: 4.06 min Scan# 308

Delta R.T. 0.00 min

Lab File: VD060789.D

Acq: 23 Jan 2019 18:31

Instrument :

MSVOA_D

ClientSampleId :

ICVVD012319

Tot Ion: 96 Resp: 322258

Ion Ratio Lower Upper

96 100

61 171.5 138.8 208.2

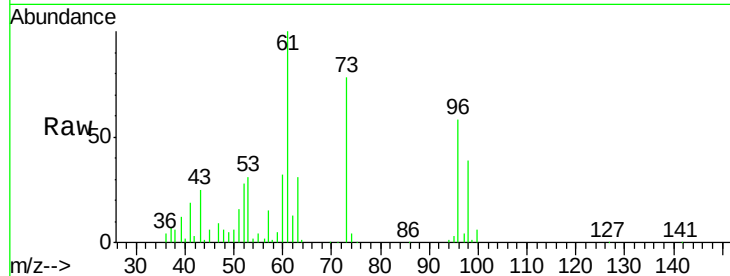
98 66.2 48.7 73.1

Manual Integrations

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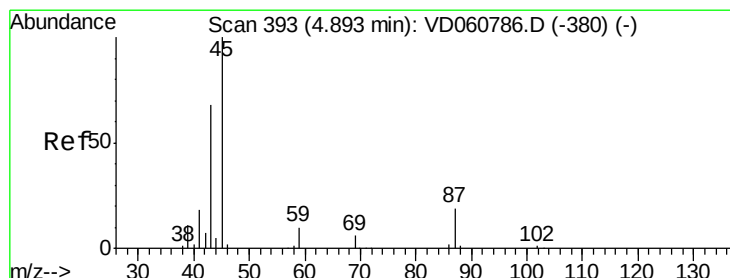
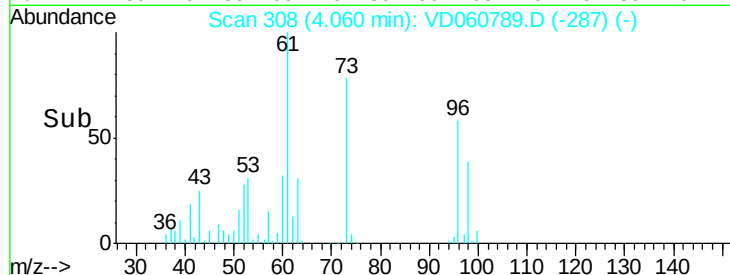
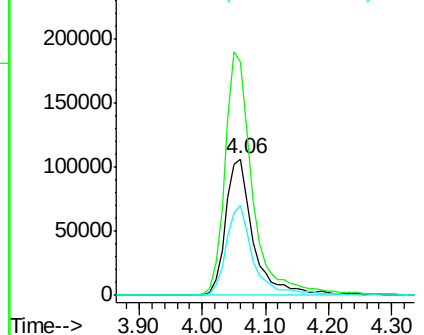


Abundance

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



#22

Diisopropyl ether

Concen: 53.936 ug/l

RT: 4.90 min Scan# 393

Delta R.T. 0.00 min

Lab File: VD060789.D

Acq: 23 Jan 2019 18:31

Tgt Ion: 45 Resp: 1103709

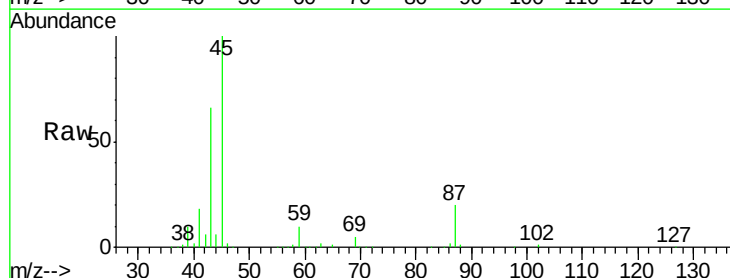
Ion Ratio Lower Upper

45 100

43 65.8 54.8 82.2

87 20.0 15.5 23.3

59 9.7 8.4 12.6



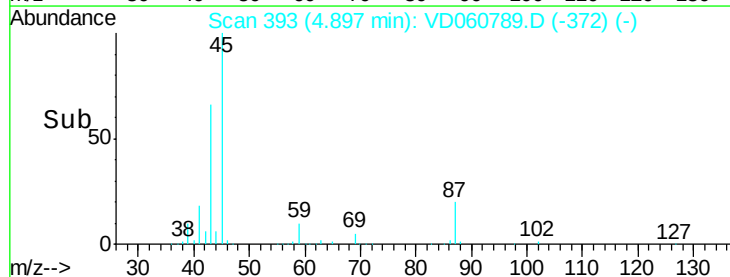
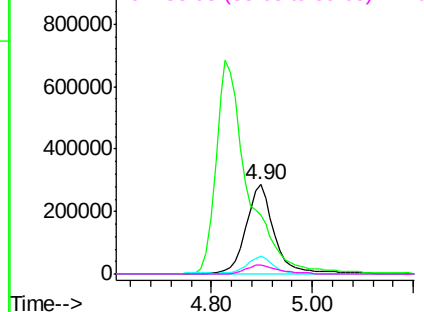
Abundance

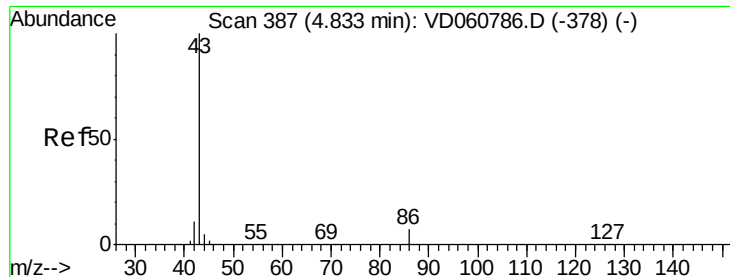
Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 256.756 ug/l

RT: 4.83 min Scan# 386

Delta R.T. -0.01 min

Lab File: VD060789.D

Acq: 23 Jan 2019 18:31

Instrument :

MSVOA_D

ClientSampleId :

ICVVD012319

Tot Ion: 43 Resp: 2955920

Ion Ratio Lower Upper

43 100

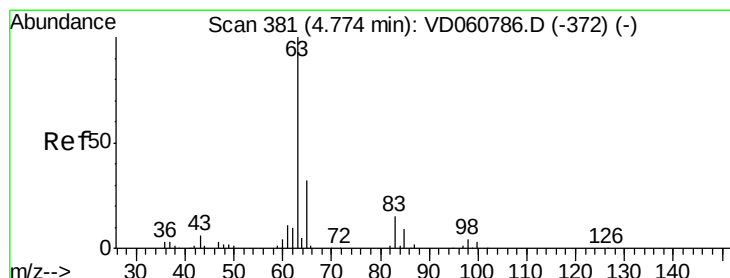
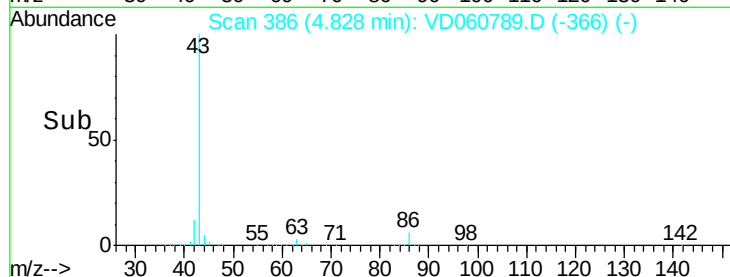
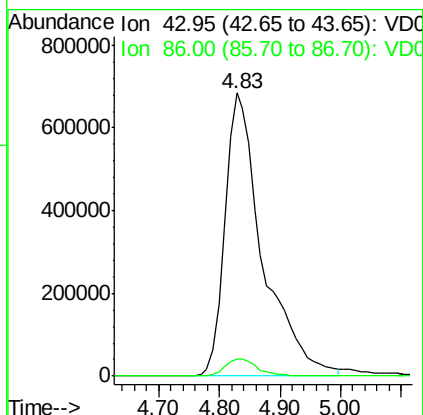
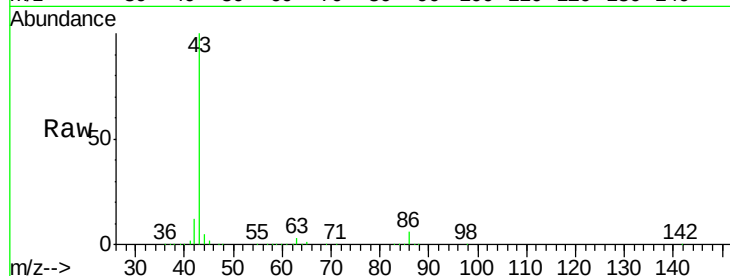
86 6.0 5.3 7.9

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#24

1,1-Dichloroethane

Concen: 53.294 ug/l

RT: 4.77 min Scan# 380

Delta R.T. -0.01 min

Lab File: VD060789.D

Acq: 23 Jan 2019 18:31

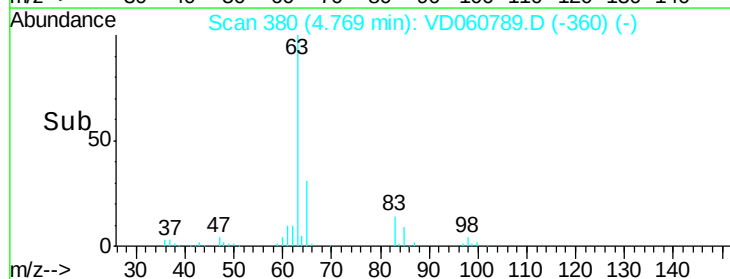
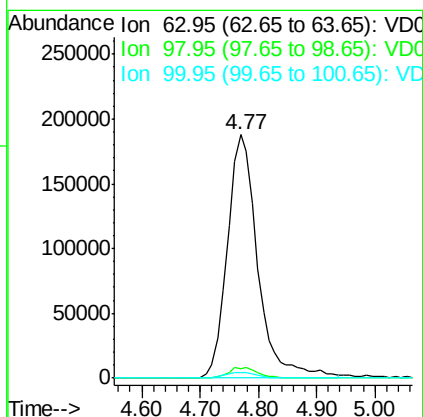
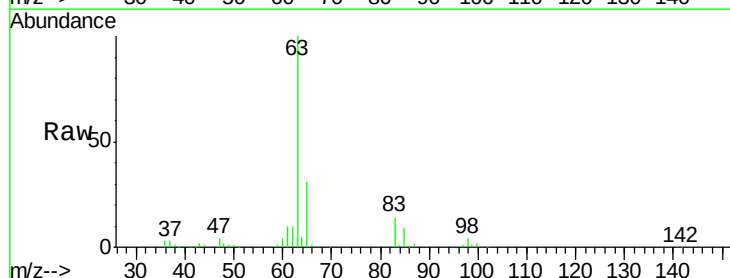
Tgt Ion: 63 Resp: 682195

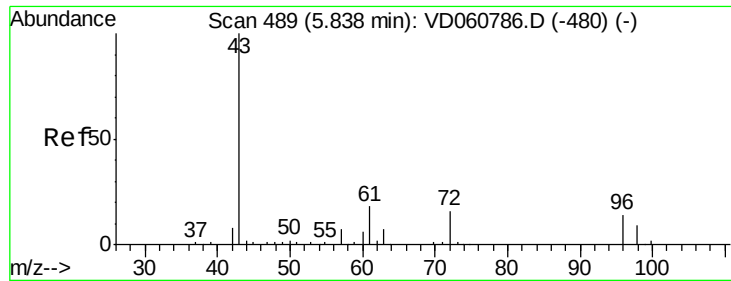
Ion Ratio Lower Upper

63 100

98 3.6 1.9 5.7

100 2.5 1.5 4.4





#25

2-Butanone

Concen: 248.885 ug/l

RT: 5.84 min Scan# 489

Delta R.T. 0.00 min

Lab File: VD060789.D

Acq: 23 Jan 2019 18:31

Instrument :

MSVOA_D

ClientSampled :

ICVVD012319

Tot Ion: 43 Resp: 450266

Ion Ratio Lower Upper

43 100

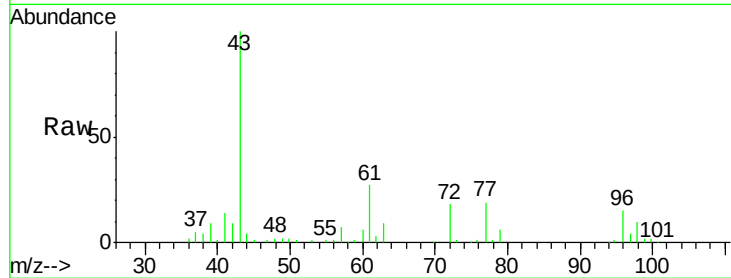
72 18.4 13.1 19.7

Manual Integrations

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

150000

100000

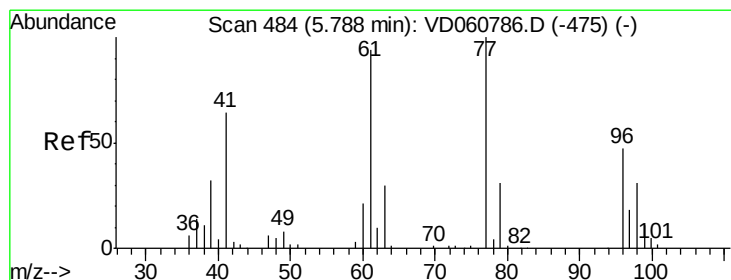
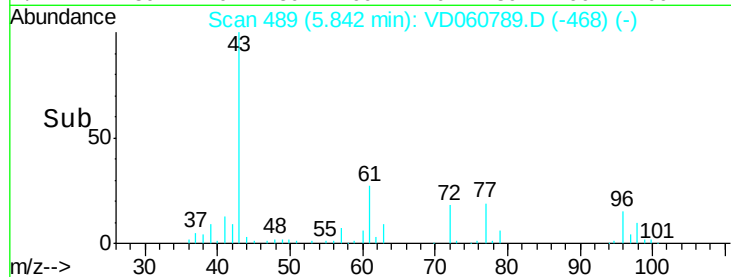
50000

0

5.70 5.80 5.90

5.84

Time-->



#26

2,2-Dichloropropane

Concen: 50.953 ug/l

RT: 5.78 min Scan# 483

Delta R.T. -0.01 min

Lab File: VD060789.D

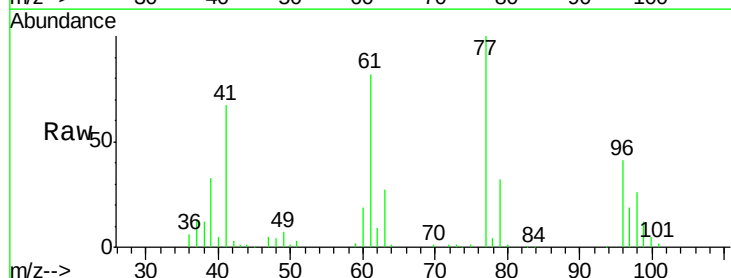
Acq: 23 Jan 2019 18:31

Tgt Ion: 77 Resp: 632730

Ion Ratio Lower Upper

77 100

97 18.5 9.0 27.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

150000

100000

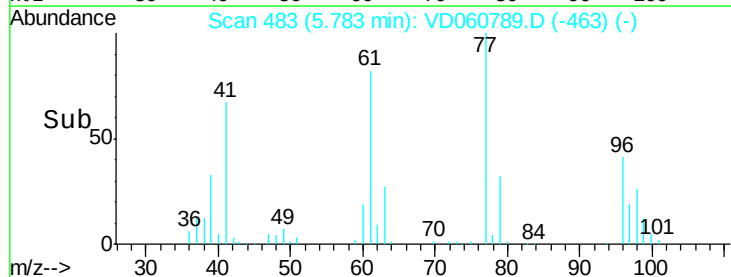
50000

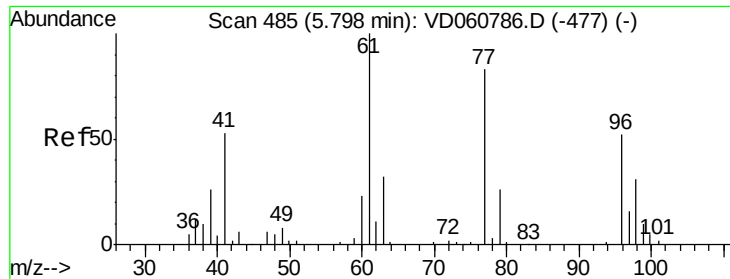
0

5.60 5.70 5.80 5.90 6.00

5.78

Time-->





#27

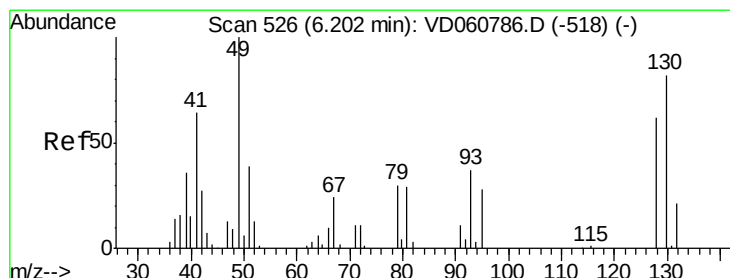
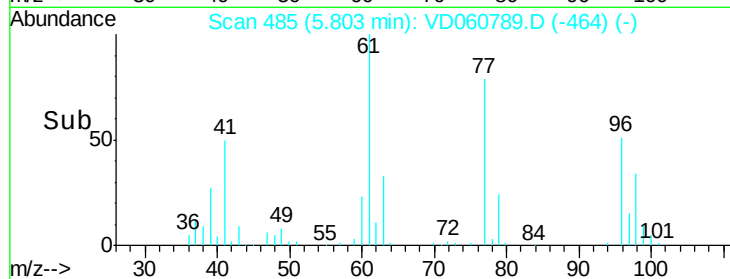
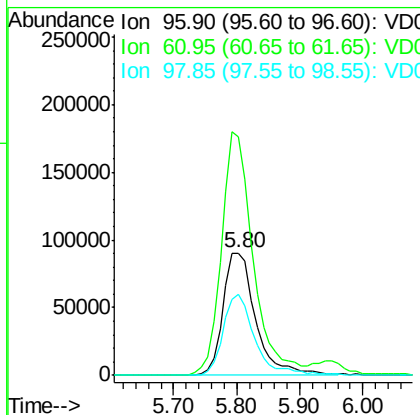
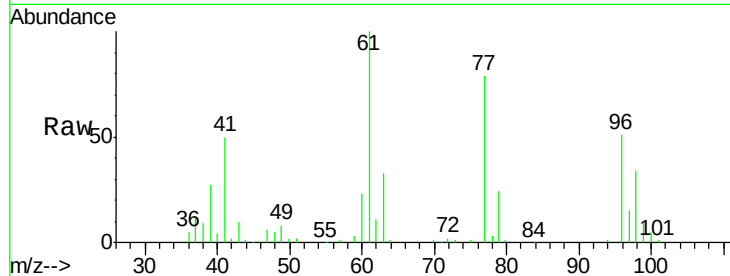
cis-1,2-Dichloroethene
Concen: 49.926 ug/l
RT: 5.80 min Scan# 485
Delta R.T. 0.00 min
Lab File: VD060789.D
Acq: 23 Jan 2019 18:31

Instrument :
MSVOA_D
ClientSampleId :
ICVVD012319

Tot Ion	Ratio	Resp	Lower	Upper
96	100	324733		
61	195.1	0.0	385.2	
98	66.4	0.0	120.6	

Manual Integrations
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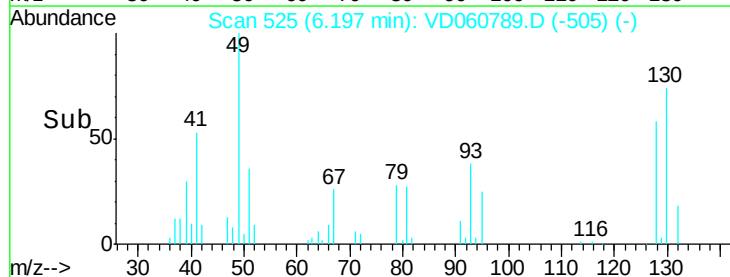
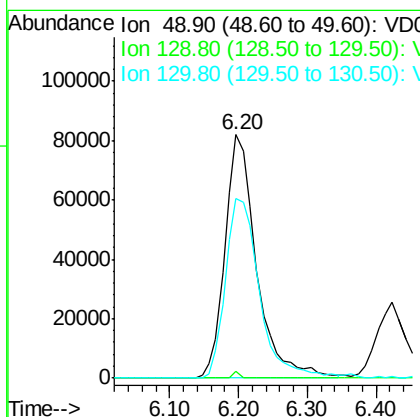
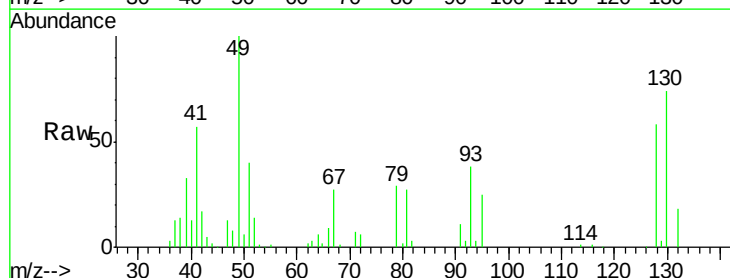
MMDadoda
1/24/2019 12:50:22 PM

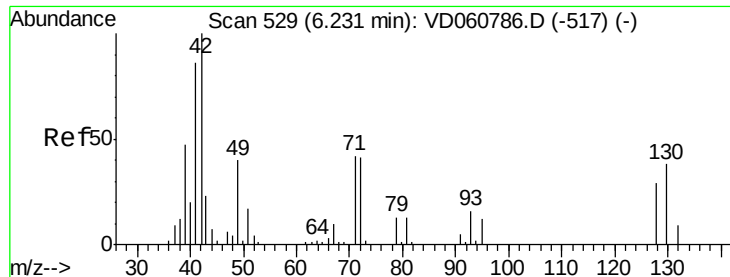


#28

Bromochloromethane
Concen: 52.815 ug/l
RT: 6.20 min Scan# 525
Delta R.T. -0.01 min
Lab File: VD060789.D
Acq: 23 Jan 2019 18:31

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	259886		
129	2.7	0.0	0.0#	
130	73.6	65.4	98.2	





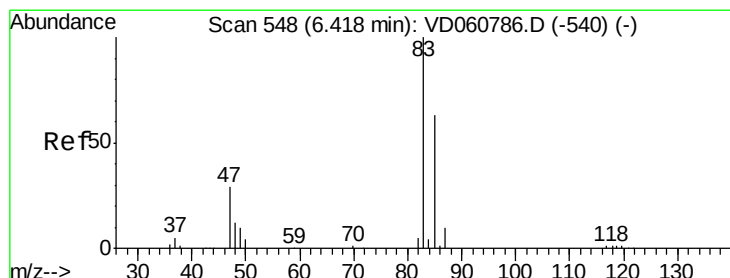
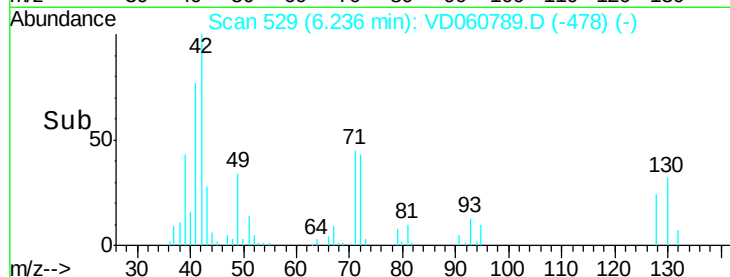
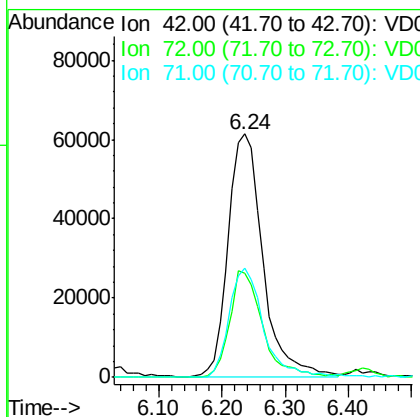
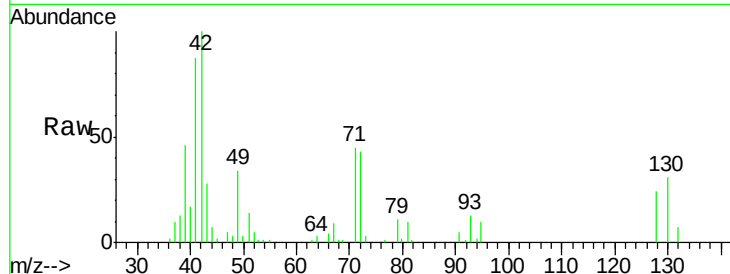
#29
Tetrahydrofuran
Concen: 263.865 ug/l
RT: 6.24 min Scan# 529
Delta R.T. 0.00 min
Lab File: VD060789.D
Acq: 23 Jan 2019 18:31

Instrument :
MSVOA_D
ClientSampleId :
ICVVD012319

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.1	33.6	50.4
71	44.5	34.6	51.8

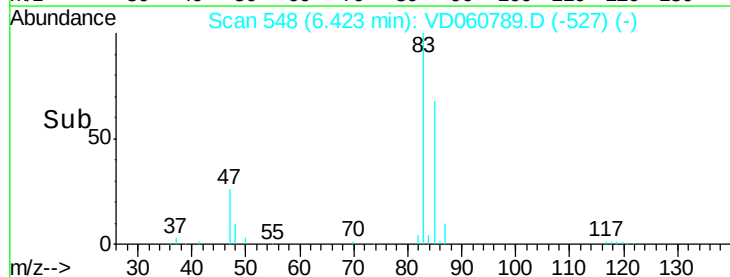
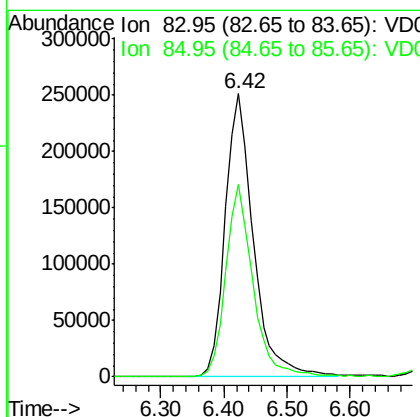
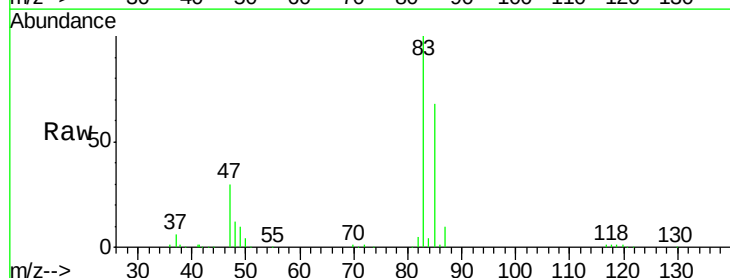
Manual Integrations
APPROVED

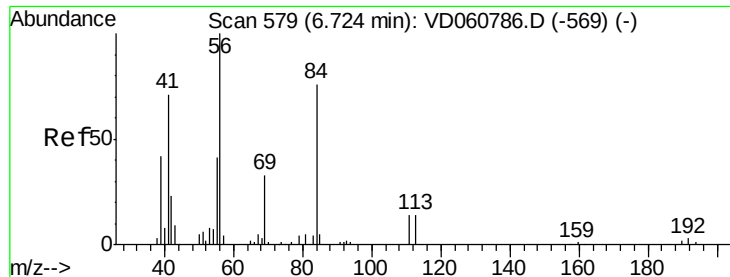
MMDadoda
1/24/2019 12:50:22 PM



#30
Chloroform
Concen: 53.611 ug/l
RT: 6.42 min Scan# 548
Delta R.T. 0.00 min
Lab File: VD060789.D
Acq: 23 Jan 2019 18:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.1	50.3	75.5





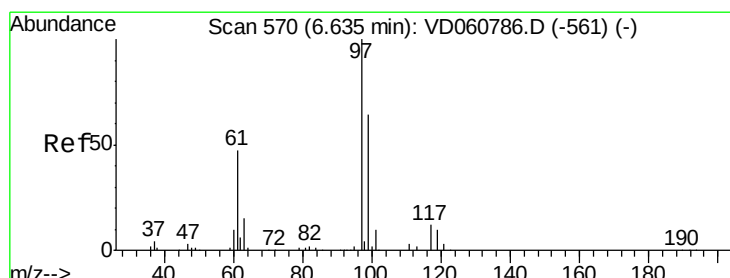
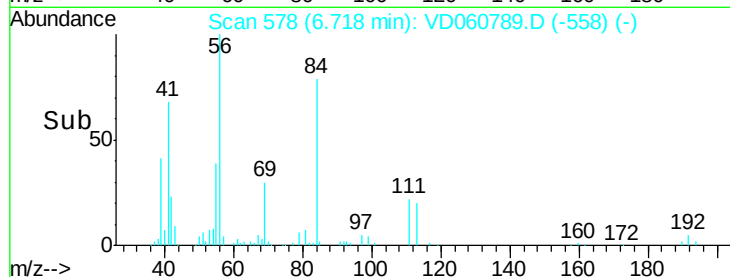
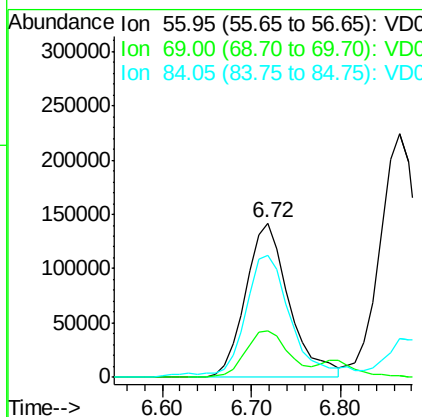
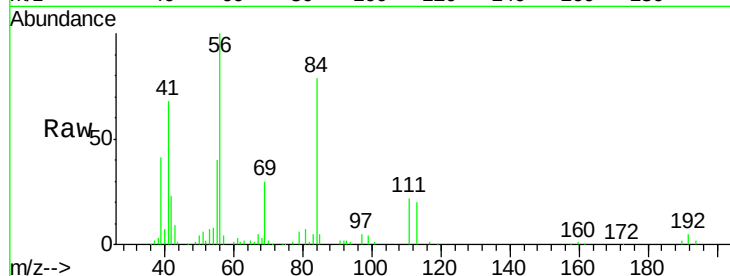
#31
Cyclohexane
Concen: 51.225 ug/l
RT: 6.72 min Scan# 578
Delta R.T. -0.01 min
Lab File: VD060789.D
Acq: 23 Jan 2019 18:31

Instrument :
MSVOA_D
ClientSampleId :
ICVVD012319

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.7	26.2	39.2
84	78.8	63.0	94.6

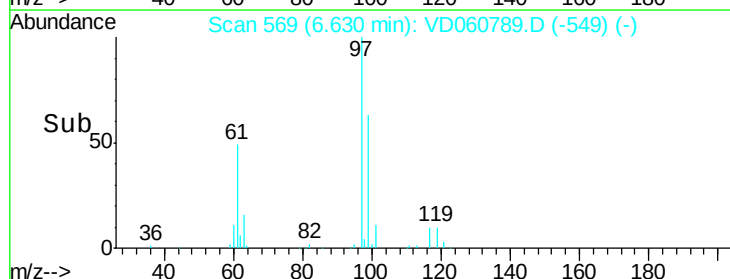
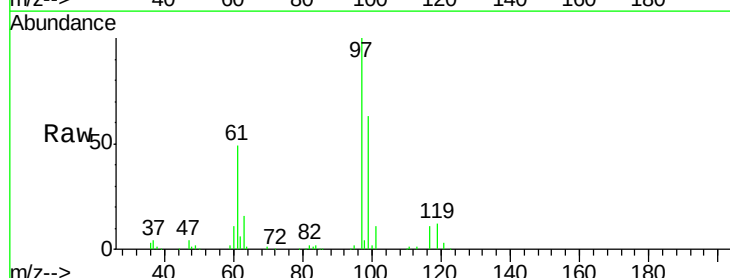
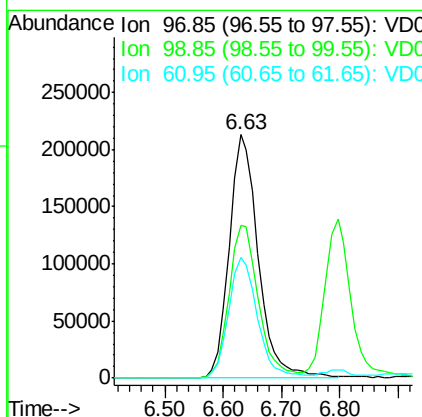
Manual Integrations
APPROVED

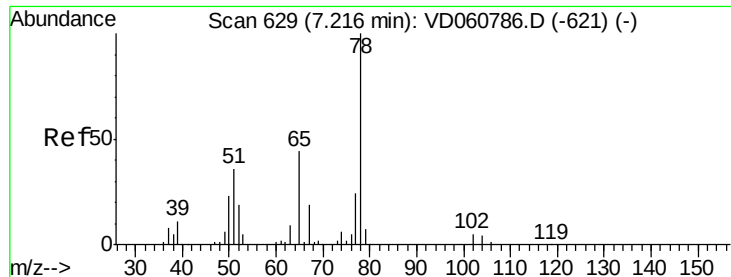
MMDadoda
1/24/2019 12:50:22 PM



#32
1,1,1-Trichloroethane
Concen: 54.296 ug/l
RT: 6.63 min Scan# 569
Delta R.T. -0.01 min
Lab File: VD060789.D
Acq: 23 Jan 2019 18:31

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.9	50.8	76.2
61	49.4	37.7	56.5





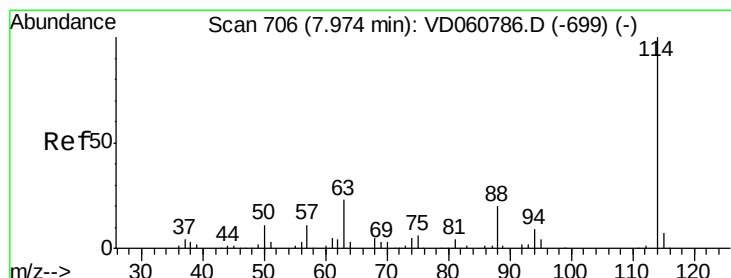
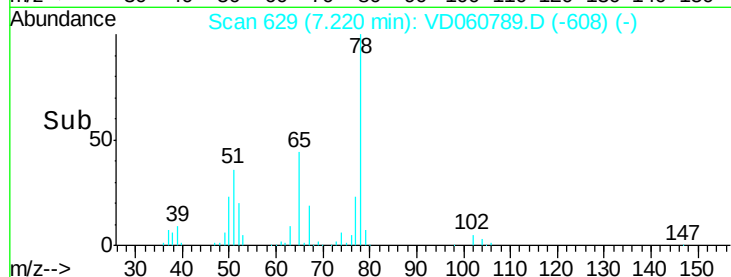
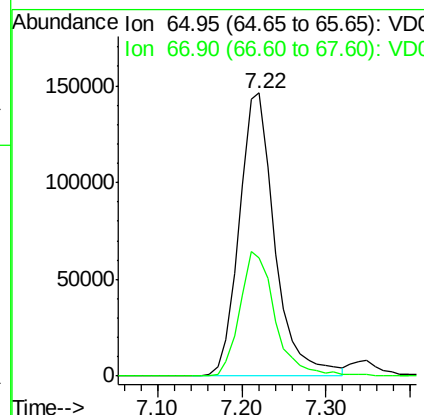
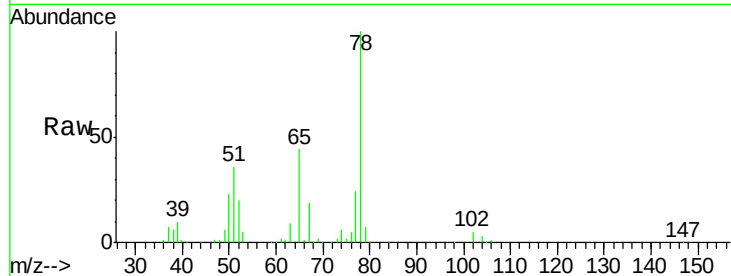
#33
 1,2-Dichloroethane-d4
 Concen: 54.296 ug/l
 RT: 7.22 min Scan# 629
 Delta R.T. 0.00 min
 Lab File: VD060789.D
 Acq: 23 Jan 2019 18:31

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD012319

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	41.9	0.0	86.0	

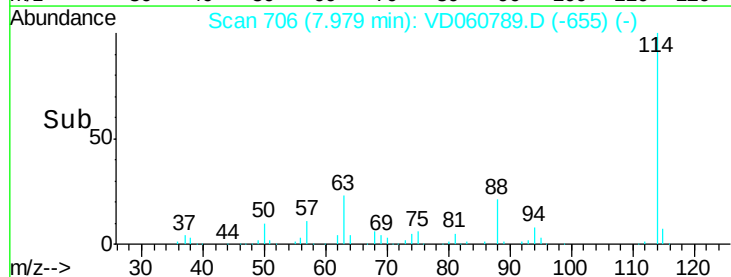
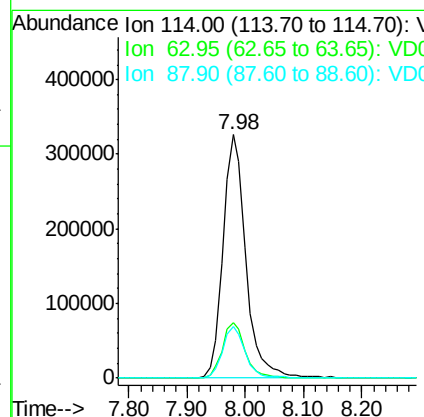
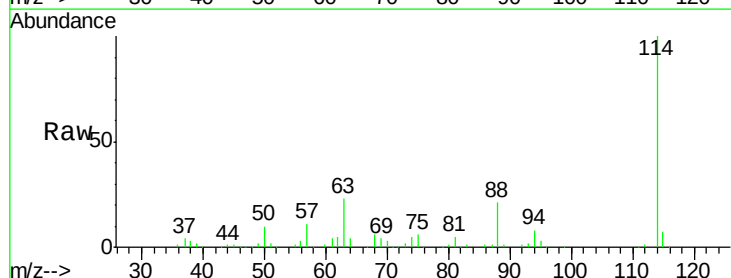
Manual Integrations
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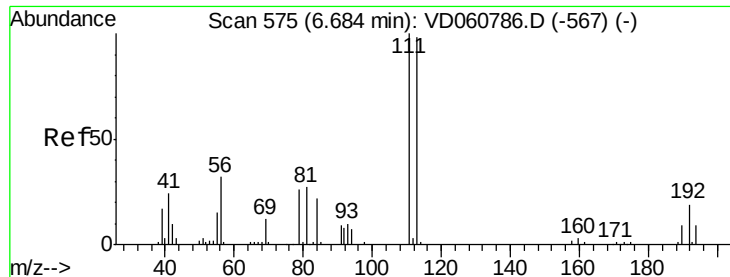
MMDadoda
 1/24/2019 12:50:22 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.98 min Scan# 706
 Delta R.T. 0.00 min
 Lab File: VD060789.D
 Acq: 23 Jan 2019 18:31

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.6	0.0	46.4	
88	21.4	0.0	39.6	





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.69 min Scan# 575

Delta R.T. 0.00 min

Lab File: VD060789.D

Acq: 23 Jan 2019 18:31

Instrument :

MSVOA_D

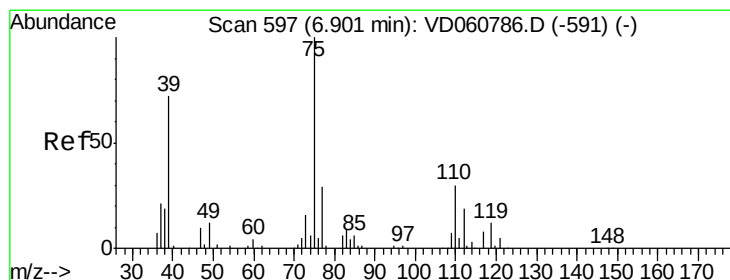
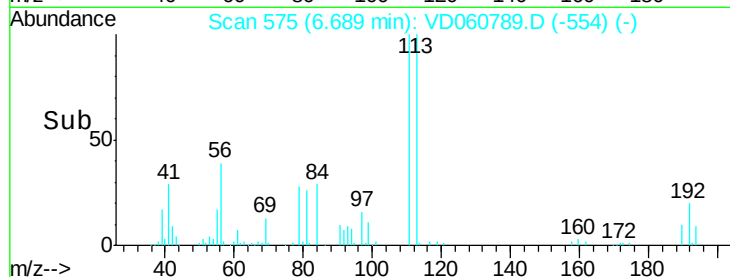
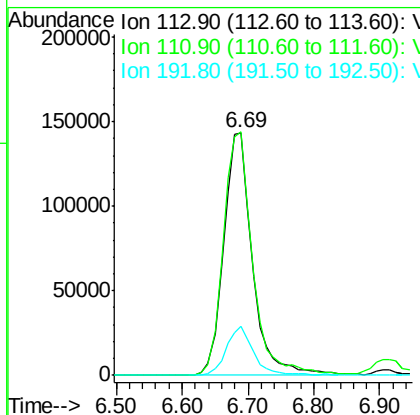
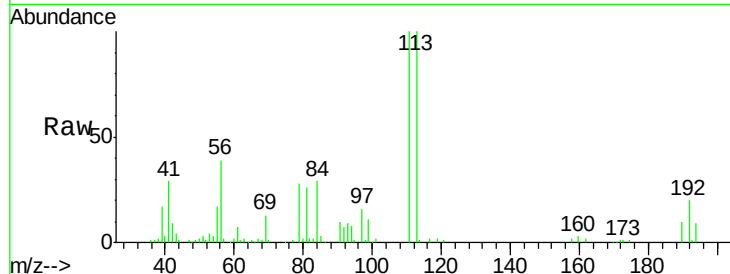
ClientSampleId :

ICVVD012319

Tot Ion:	113	Resp:	437223
Ion Ratio	Lower	Upper	
113	100		
111	100.4	81.4	122.0
192	20.3	15.3	22.9

Manual Integrations
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1/24/2019 12:50:22 PM



#36

1,1-Dichloropropene

Concen: 52.084 ug/l

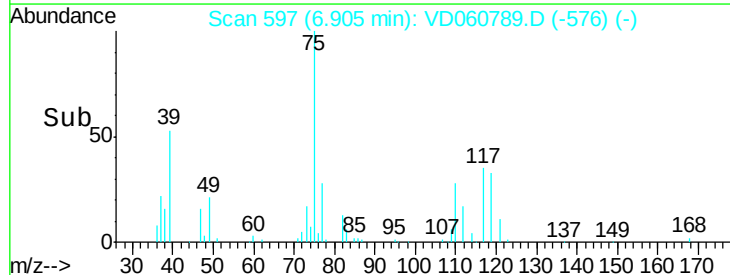
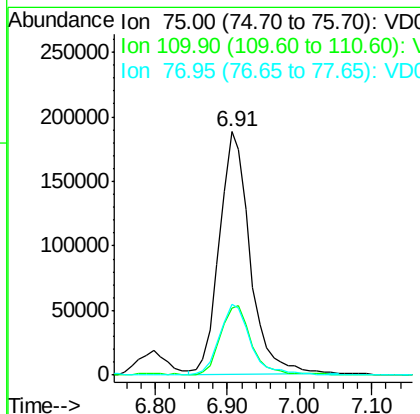
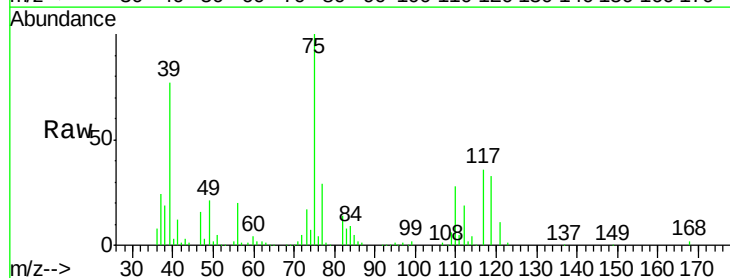
RT: 6.91 min Scan# 597

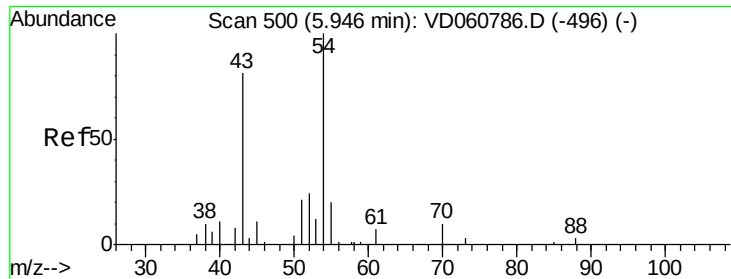
Delta R.T. 0.00 min

Lab File: VD060789.D

Acq: 23 Jan 2019 18:31

Tgt Ion:	75	Resp:	550606
Ion Ratio	Lower	Upper	
75	100		
110	27.6	14.8	44.3
77	28.9	23.1	34.7





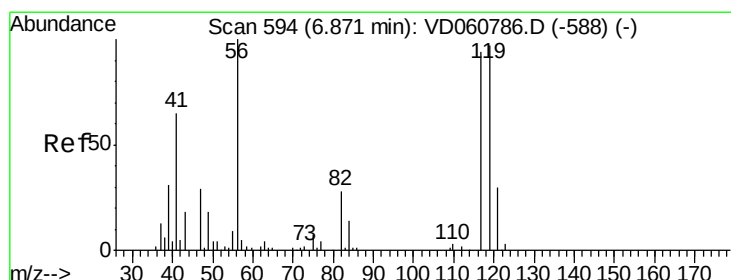
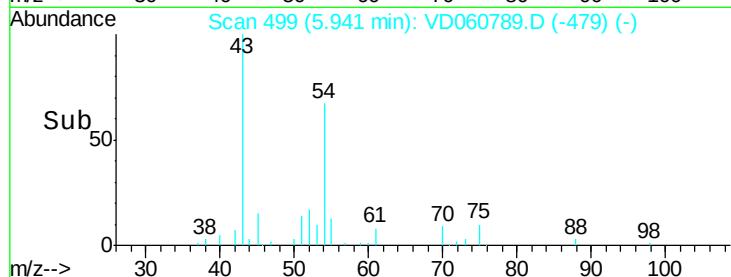
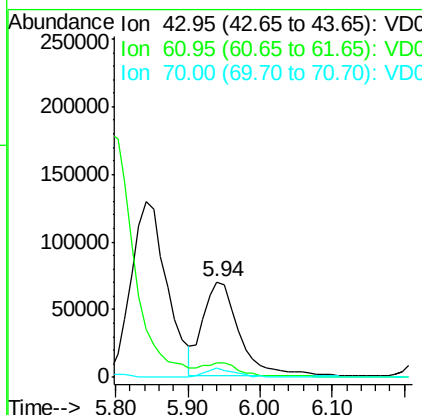
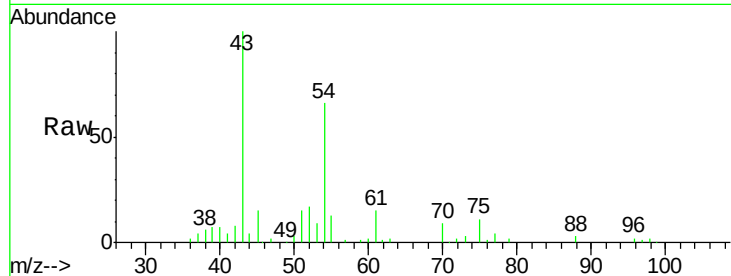
#37
Ethyl Acetate
Concen: 51.069 ug/l
RT: 5.94 min Scan# 499
Delta R.T. -0.01 min
Lab File: VD060789.D
Acq: 23 Jan 2019 18:31

Instrument :
MSVOA_D
ClientSampleId :
ICVVD012319

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.4	12.2	18.4
70	9.2	6.8	10.2

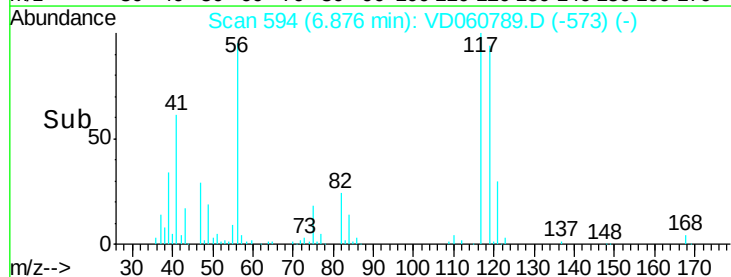
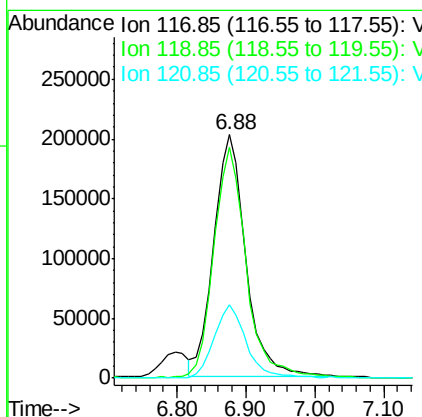
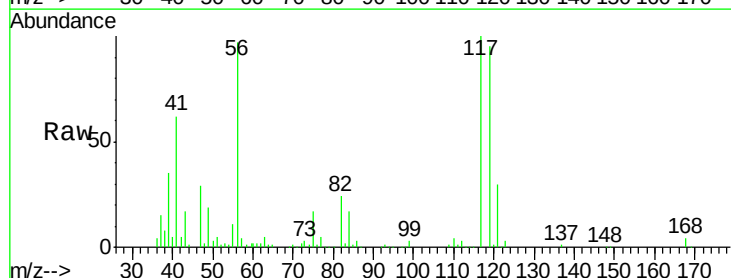
Manual Integrations
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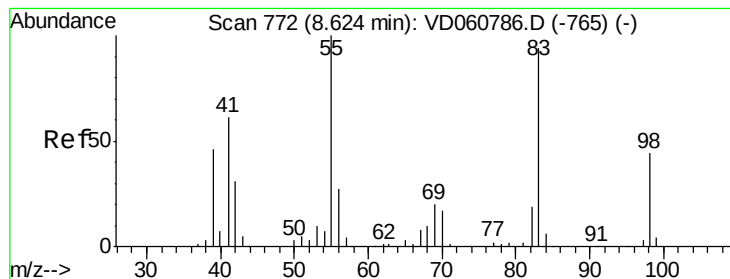
MMDadoda
1/24/2019 12:50:22 PM



#38
Carbon Tetrachloride
Concen: 51.727 ug/l
RT: 6.88 min Scan# 594
Delta R.T. 0.00 min
Lab File: VD060789.D
Acq: 23 Jan 2019 18:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.8	77.5	116.3
121	30.4	24.2	36.2





#39

Methylvlcyclohexane

Concen: 52.818 ug/l

RT: 8.64 min Scan# 773

Delta R.T. 0.01 min

Lab File: VD060789.D

Acq: 23 Jan 2019 18:31

Instrument :

MSVOA_D

ClientSampleId :

ICVVD012319

Tot Ion: 83 Resp: 501313

Ion Ratio Lower Upper

83 100

55 97.9 85.2 127.8

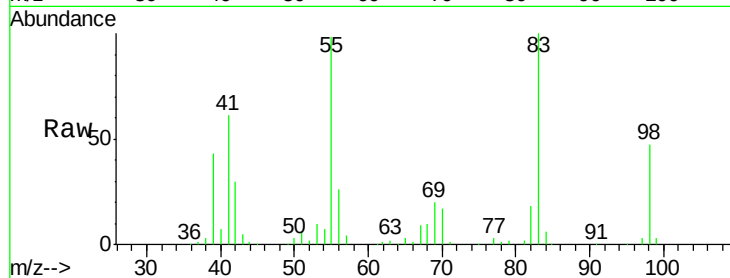
98 46.7 37.7 56.5

Manual Integrations

APPROVED

MMDadoda

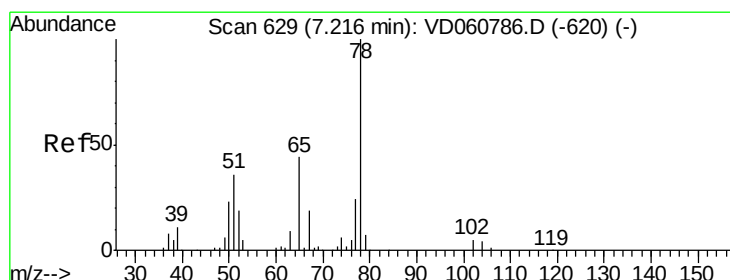
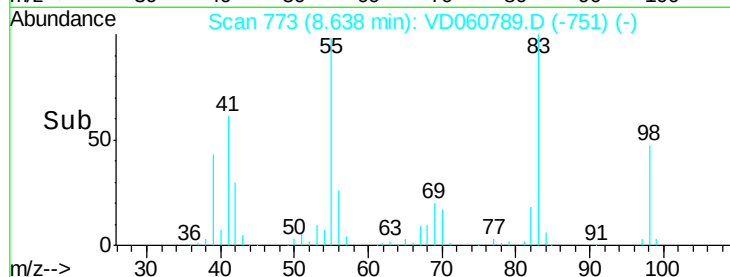
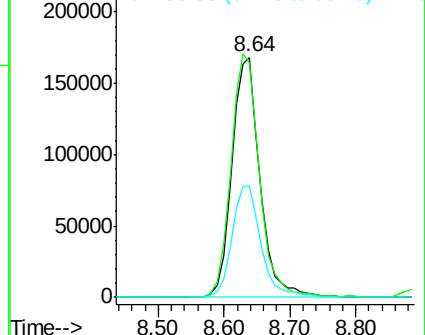
1/24/2019 12:50:22 PM



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: 47.612 ug/l

RT: 7.22 min Scan# 629

Delta R.T. 0.00 min

Lab File: VD060789.D

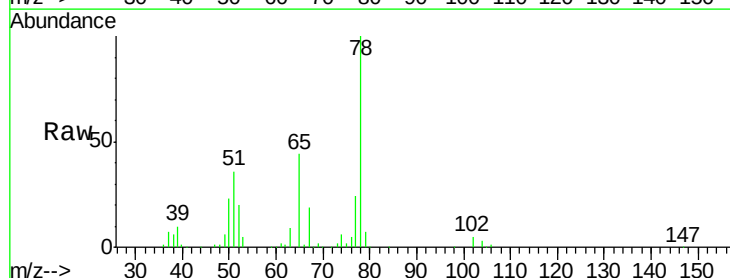
Acq: 23 Jan 2019 18:31

Tgt Ion: 78 Resp: 1046077

Ion Ratio Lower Upper

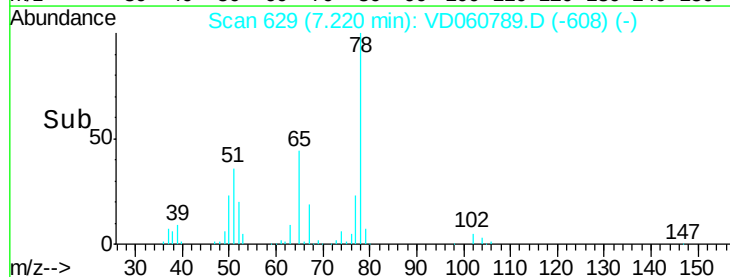
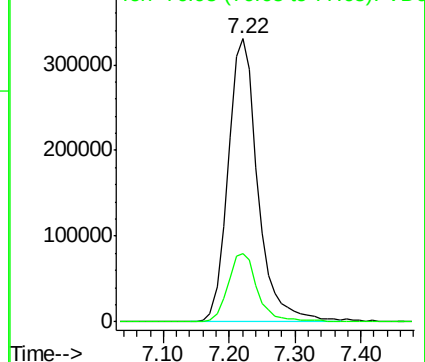
78 100

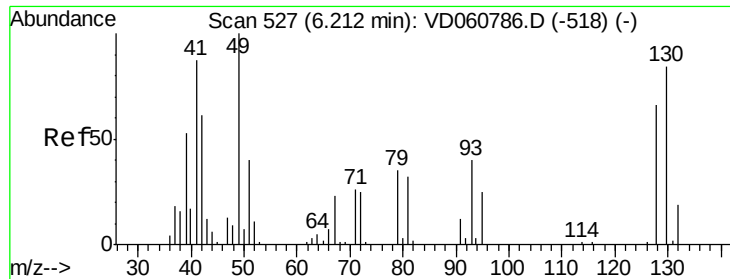
77 24.0 19.0 28.4



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 44.387 ug/l m

RT: 6.22 min Scan# 527

Delta R.T. 0.01 min

Lab File: VD060789.D

Acq: 23 Jan 2019 18:31

Instrument :

MSVOA_D

ClientSampleId :

ICVVD012319

Tot Ion: 41 Resp: 137693

Ion Ratio Lower Upper

41 100

39 61.8 49.4 74.2

67 26.1 20.7 31.1

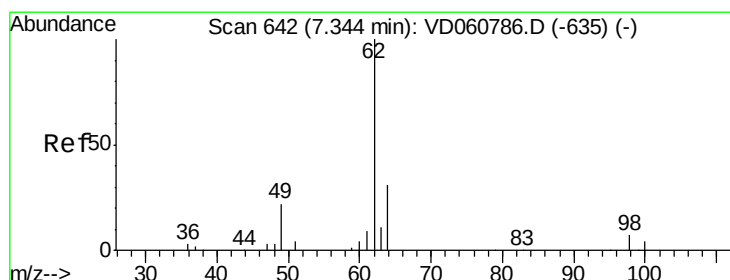
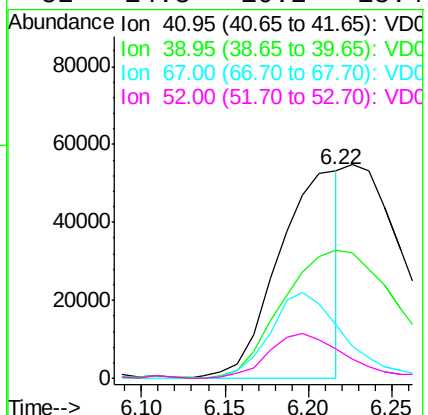
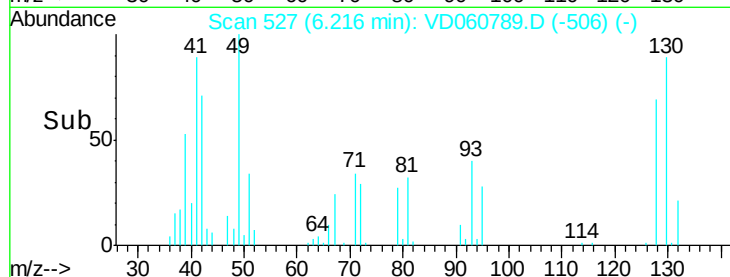
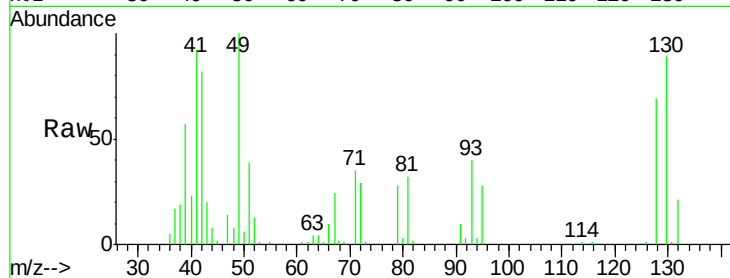
52 14.3 10.2 15.4

Manual Integrations

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#42

1,2-Dichloroethane

Concen: 53.217 ug/l

RT: 7.34 min Scan# 641

Delta R.T. -0.01 min

Lab File: VD060789.D

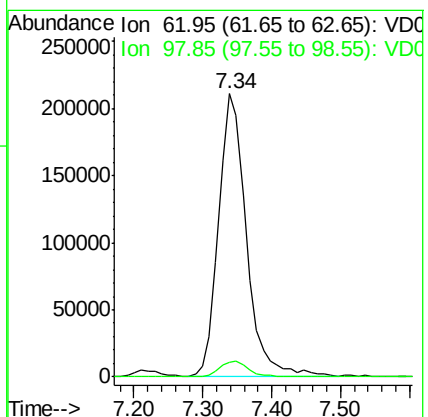
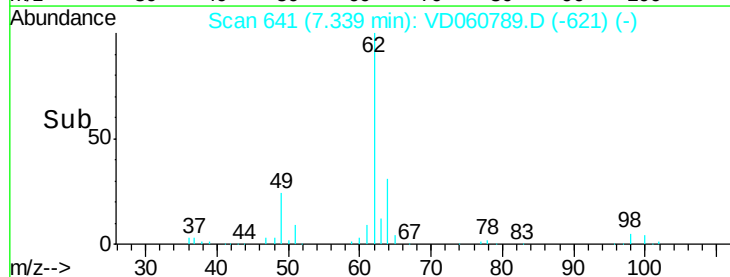
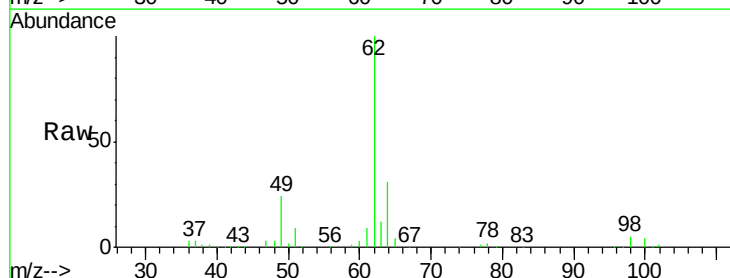
Acq: 23 Jan 2019 18:31

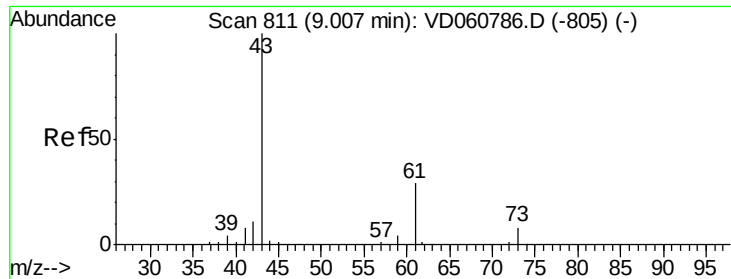
Tgt Ion: 62 Resp: 588004

Ion Ratio Lower Upper

62 100

98 5.3 0.0 13.6





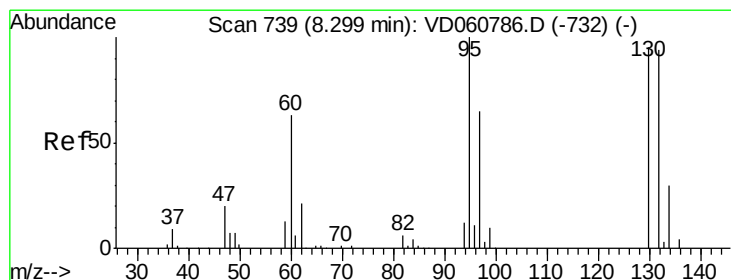
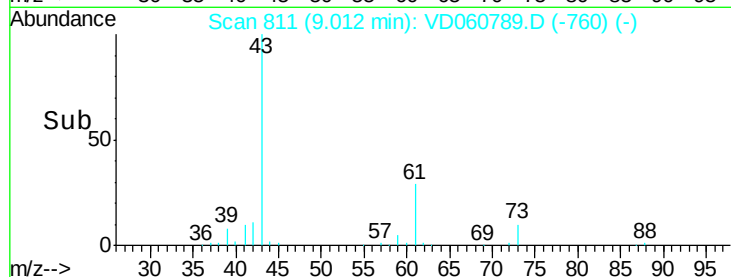
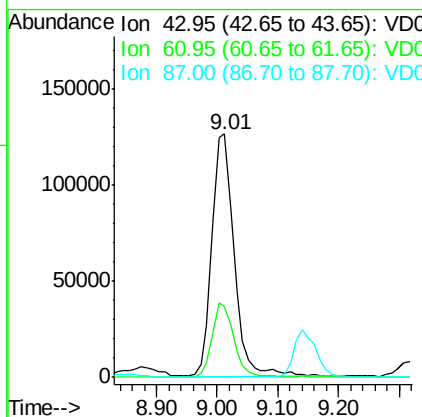
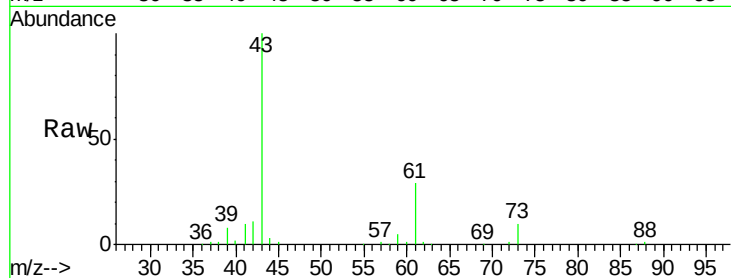
#43
Isopropyl Acetate
Concen: 49.308 ug/l
RT: 9.01 min Scan# 811
Delta R.T. 0.00 min
Lab File: VD060789.D
Acq: 23 Jan 2019 18:31

Instrument :
MSVOA_D
ClientSampleId :
ICVVD012319

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.2	23.2	34.8
87	0.3	0.0	0.0#

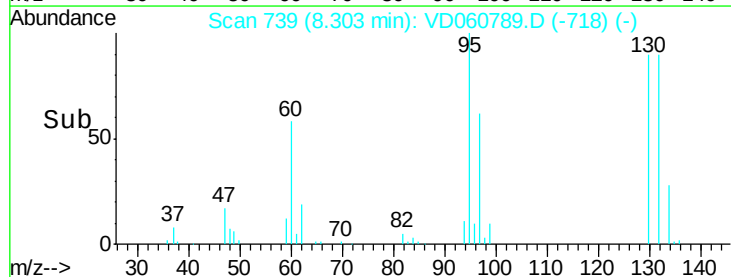
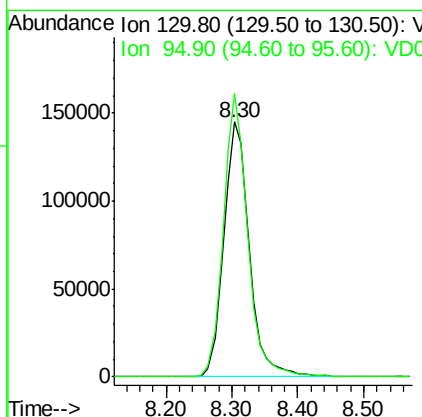
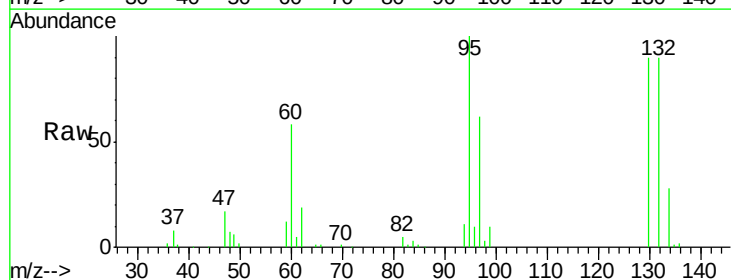
Manual Integrations
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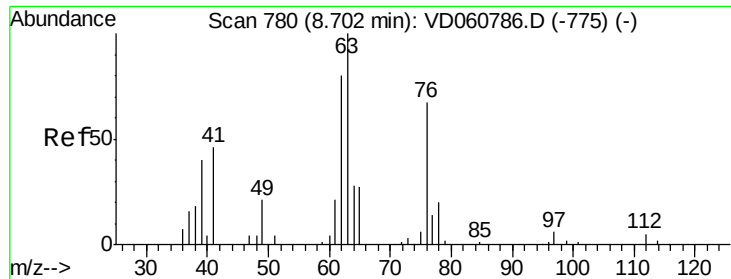
MMDadoda
1/24/2019 12:50:22 PM



#44
Trichloroethene
Concen: 53.397 ug/l
RT: 8.30 min Scan# 739
Delta R.T. 0.00 min
Lab File: VD060789.D
Acq: 23 Jan 2019 18:31

Tgt Ion	Ratio	Lower	Upper
130	100		
95	111.1	0.0	211.6





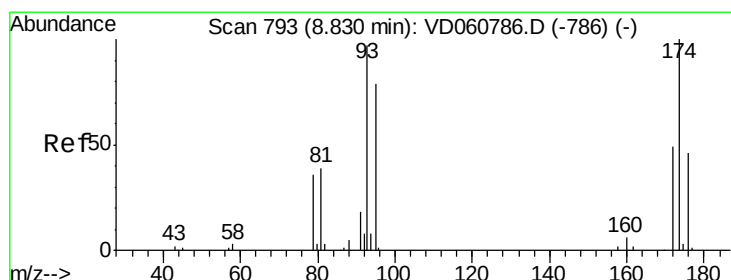
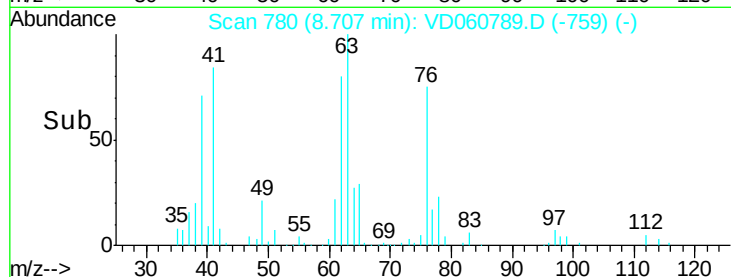
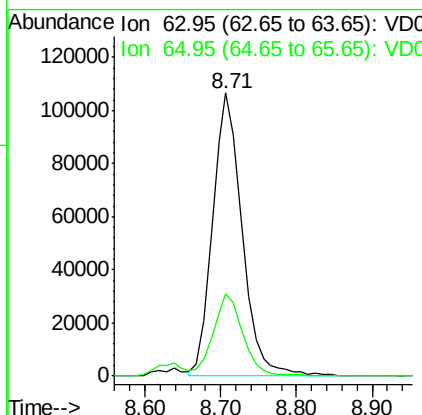
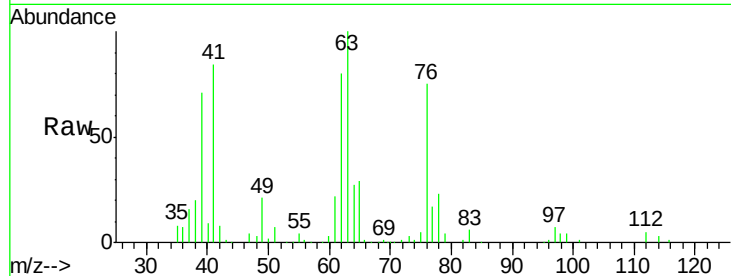
#45
 1,2-Dichloropropane
 Concen: 50.908 ug/l
 RT: 8.71 min Scan# 780
 Delta R.T. 0.00 min
 Lab File: VD060789.D
 Acq: 23 Jan 2019 18:31

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD012319

Tot Ion: 63 Resp: 289593
 Ion Ratio Lower Upper
 63 100
 65 29.2 23.0 34.6

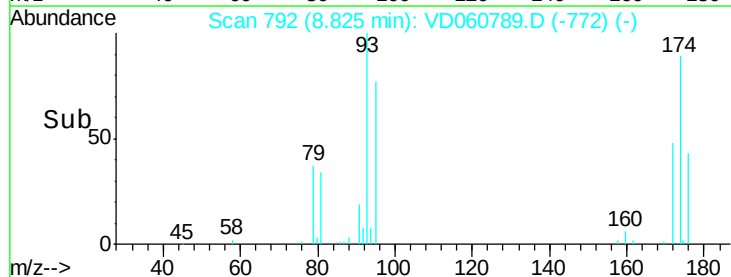
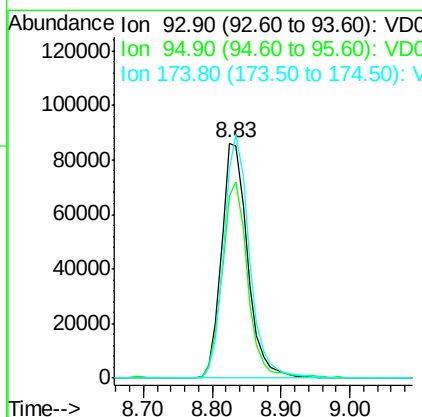
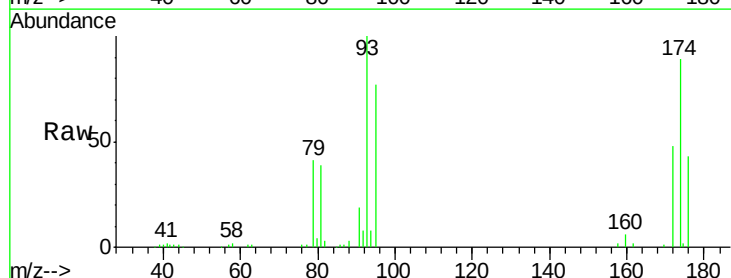
Manual Integrations
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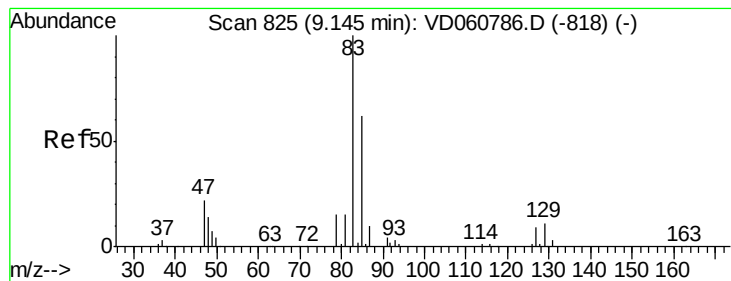
MMDadoda
 1/24/2019 12:50:22 PM



#46
 Dibromomethane
 Concen: 51.502 ug/l
 RT: 8.83 min Scan# 792
 Delta R.T. -0.01 min
 Lab File: VD060789.D
 Acq: 23 Jan 2019 18:31

Tgt Ion: 93 Resp: 225731
 Ion Ratio Lower Upper
 93 100
 95 77.4 65.2 97.8
 174 89.3 82.1 123.1





#47

Bromodichloromethane

Concen: 53.964 ug/l

RT: 9.15 min Scan# 825

Delta R.T. 0.00 min

Lab File: VD060789.D

Acq: 23 Jan 2019 18:31

Instrument :

MSVOA_D

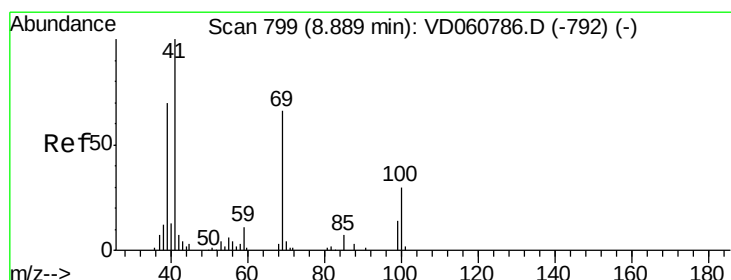
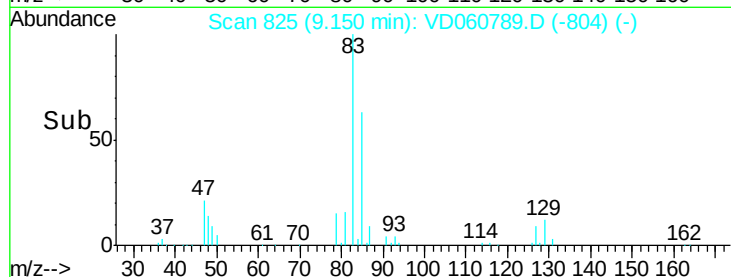
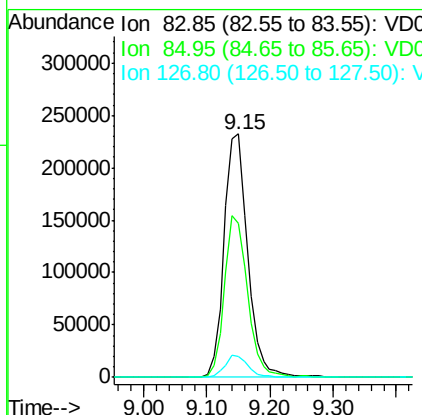
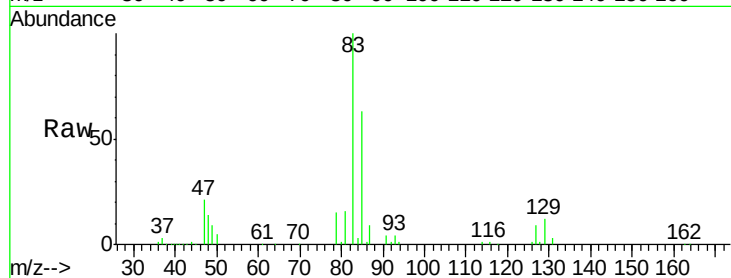
ClientSampleId :

ICVVD012319

Tot Ion:	83	Resp:	603478
Ion	Ratio	Lower	Upper
83	100		
85	63.4	49.8	74.6
127	8.8	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 47.984 ug/l

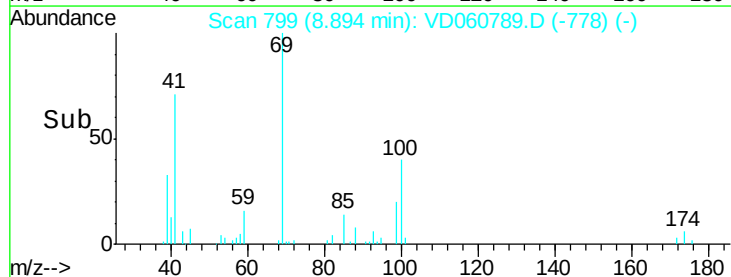
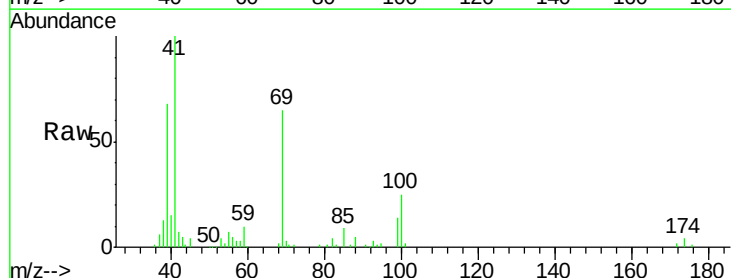
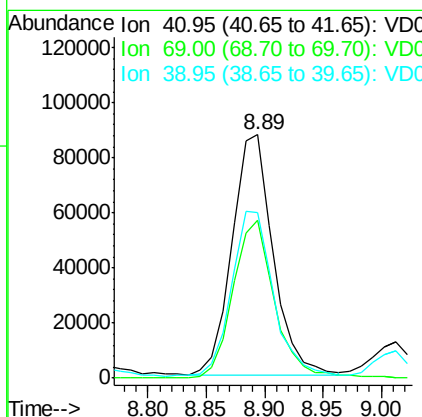
RT: 8.89 min Scan# 799

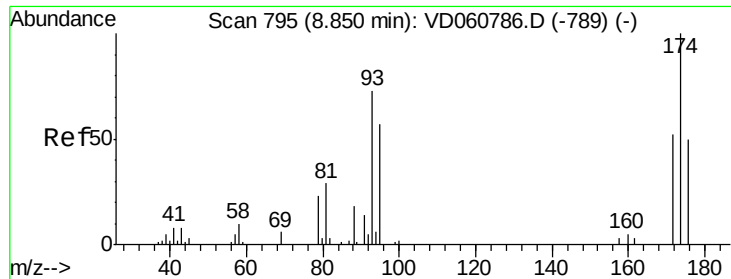
Delta R.T. 0.00 min

Lab File: VD060789.D

Acq: 23 Jan 2019 18:31

Tgt Ion:	41	Resp:	212486
Ion	Ratio	Lower	Upper
41	100		
69	64.9	52.2	78.4
39	68.1	56.3	84.5





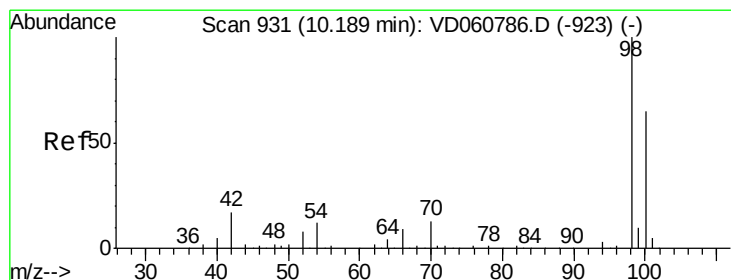
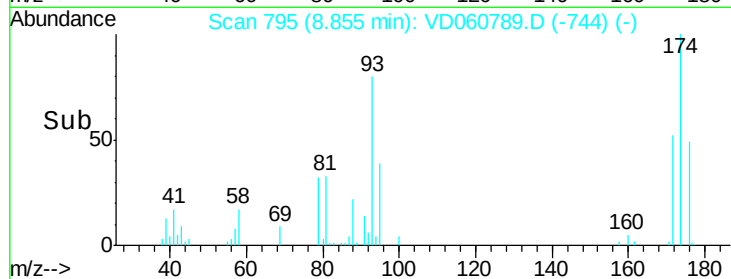
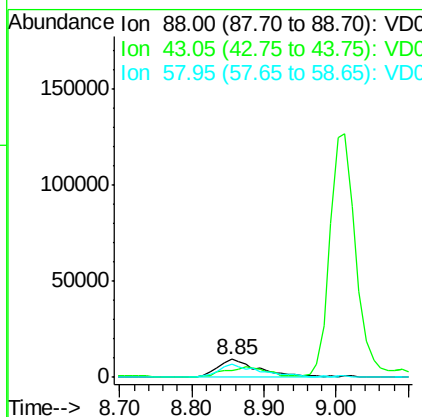
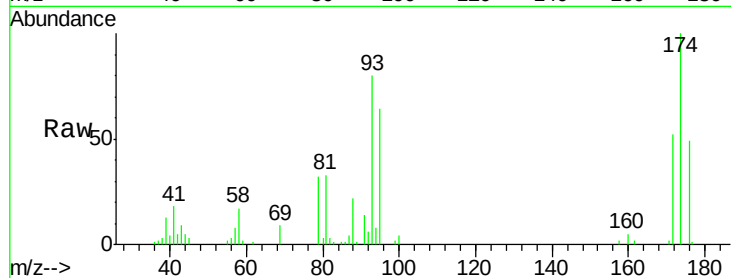
#49
1,4-Dioxane
Concen: 1027.341 ug/l
RT: 8.85 min Scan# 795
Delta R.T. 0.00 min
Lab File: VD060789.D
Acq: 23 Jan 2019 18:31

Instrument :
MSVOA_D
ClientSampleId :
ICVVD012319

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.3	36.2	54.2
58	73.8	47.3	70.9

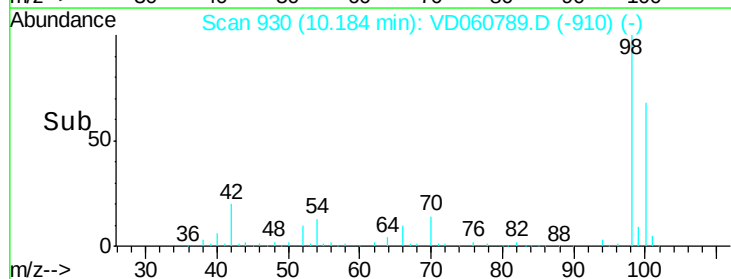
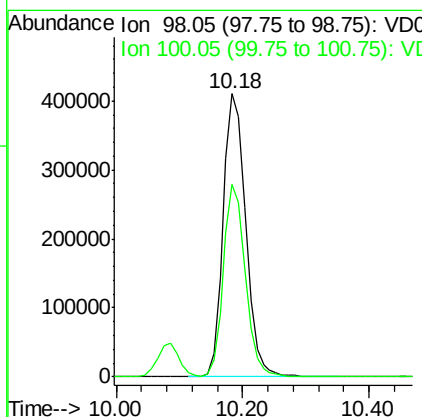
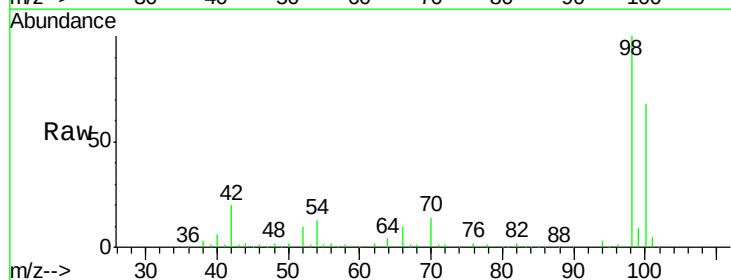
Manual Integrations
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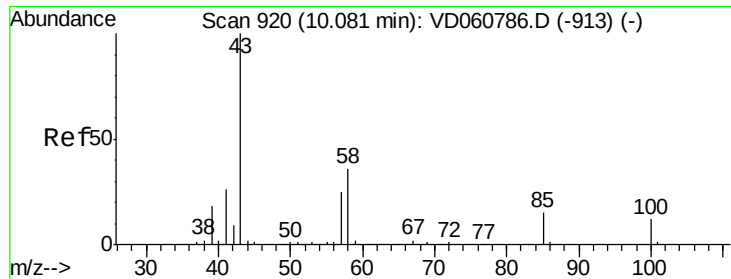
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#50
Toluene-d8
Concen: 1027.341 ug/l
RT: 10.18 min Scan# 930
Delta R.T. -0.01 min
Lab File: VD060789.D
Acq: 23 Jan 2019 18:31

Tgt Ion	Ratio	Lower	Upper
98	100		
100	68.0	53.4	80.2





#51

4-Methyl-2-Pentanone

Concen: 244.966 ug/l

RT: 10.09 min Scan# 920

Delta R.T. 0.00 min

Lab File: VD060789.D

Acq: 23 Jan 2019 18:31

Instrument :

MSVOA_D

ClientSampleId :

ICVVD012319

Tot Ion: 43 Resp: 1034436

Ion Ratio Lower Upper

43 100

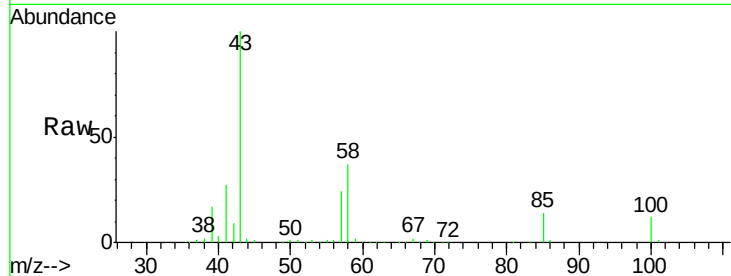
58 37.2 29.0 43.6

Manual Integrations

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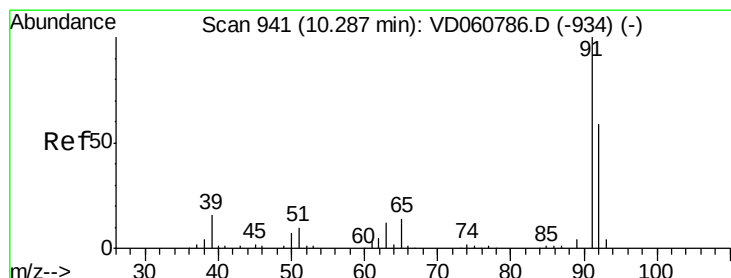
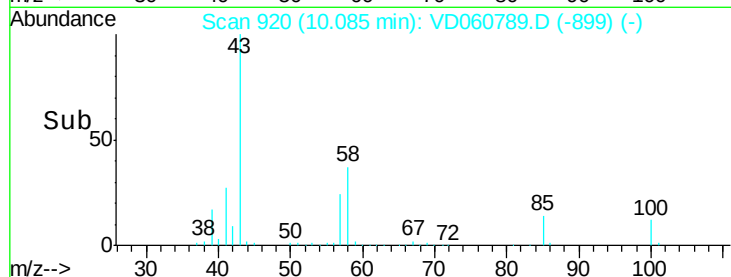
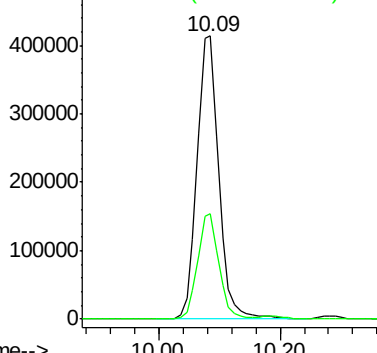
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 52.459 ug/l

RT: 10.29 min Scan# 941

Delta R.T. 0.00 min

Lab File: VD060789.D

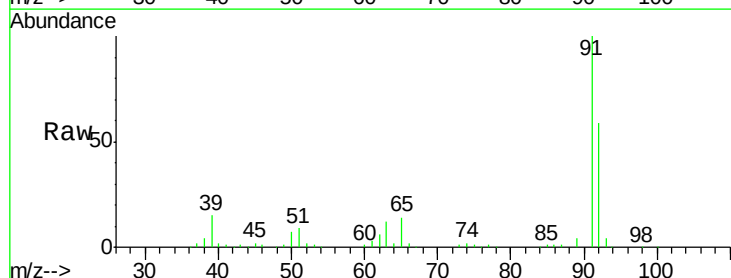
Acq: 23 Jan 2019 18:31

Tgt Ion: 92 Resp: 696761

Ion Ratio Lower Upper

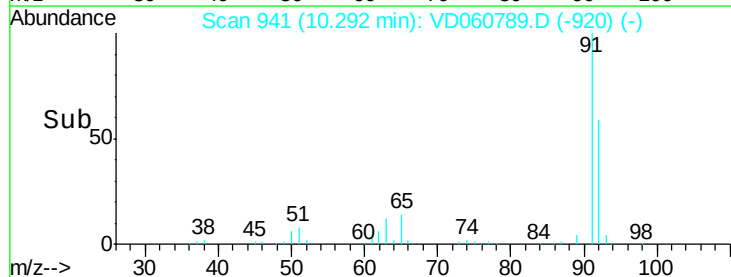
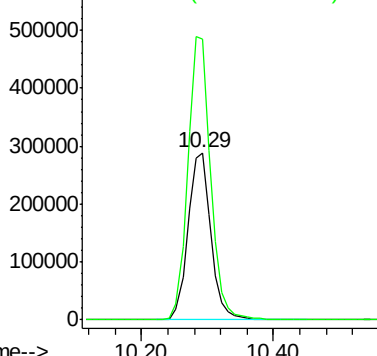
92 100

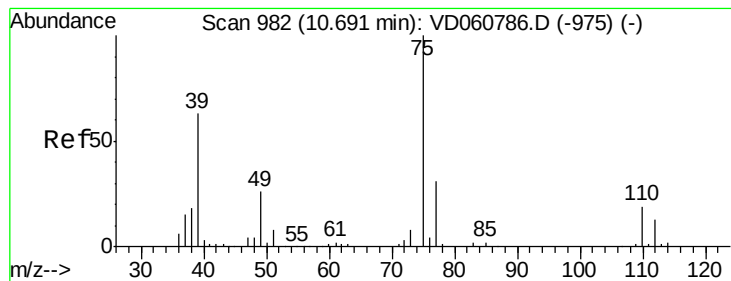
91 168.5 135.1 202.7



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: 50.693 ug/l

RT: 10.70 min Scan# 982

Delta R.T. 0.00 min

Lab File: VD060789.D

Acq: 23 Jan 2019 18:31

Instrument :

MSVOA_D

ClientSampleId :

ICVVD012319

Tot Ion: 75 Resp: 519840

Ion Ratio Lower Upper

75 100

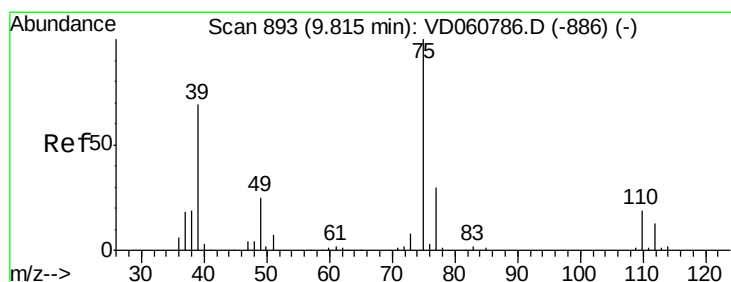
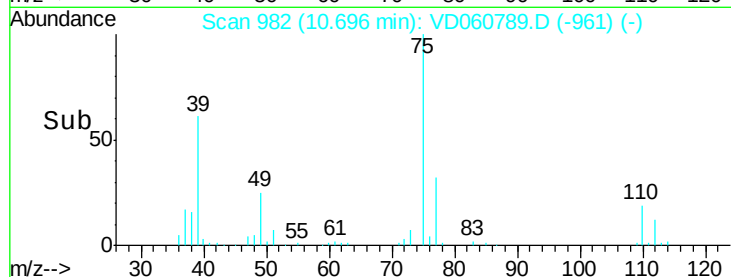
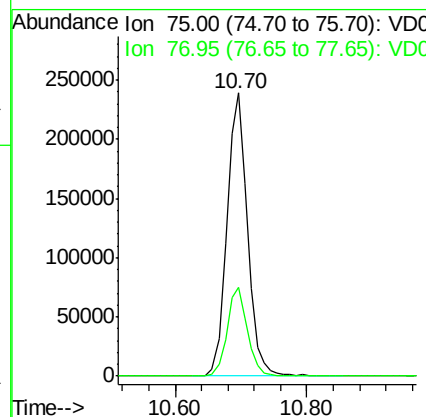
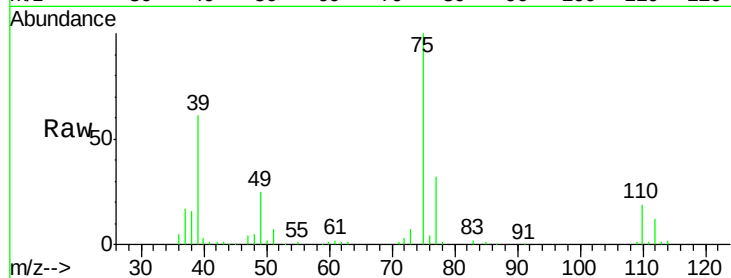
77 31.6 24.4 36.6

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#54

cis-1,3-Dichloropropene

Concen: 50.122 ug/l

RT: 9.81 min Scan# 892

Delta R.T. -0.01 min

Lab File: VD060789.D

Acq: 23 Jan 2019 18:31

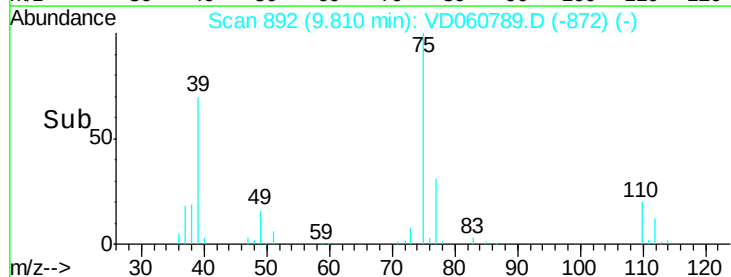
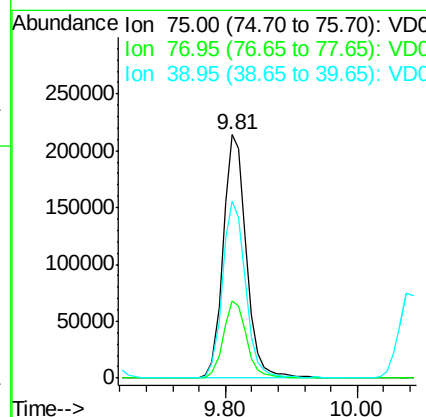
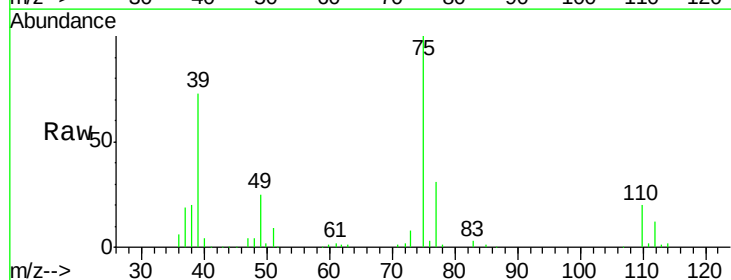
Tgt Ion: 75 Resp: 521884

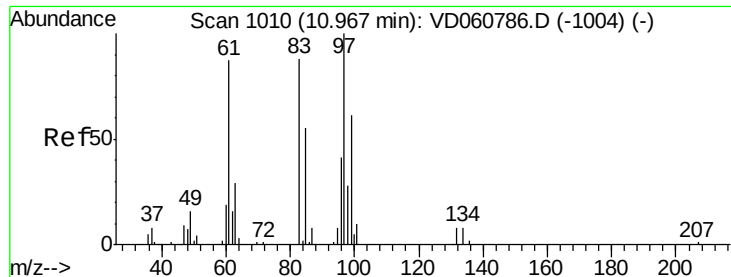
Ion Ratio Lower Upper

75 100

77 31.5 24.1 36.1

39 72.5 55.4 83.0





#55

1,1,2-Trichloroethane

Concen: 50.749 ug/l

RT: 10.97 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VD060789.D

Acq: 23 Jan 2019 18:31

Instrument :

MSVOA_D

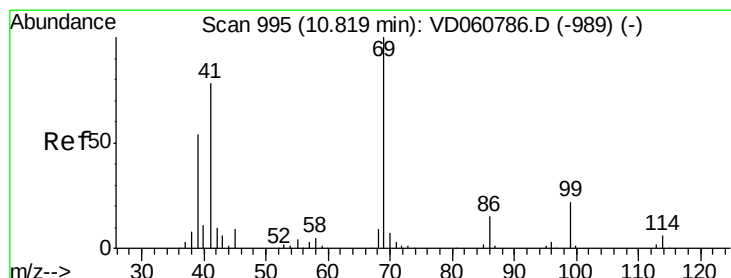
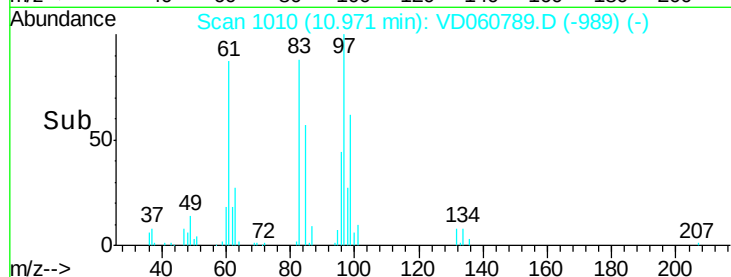
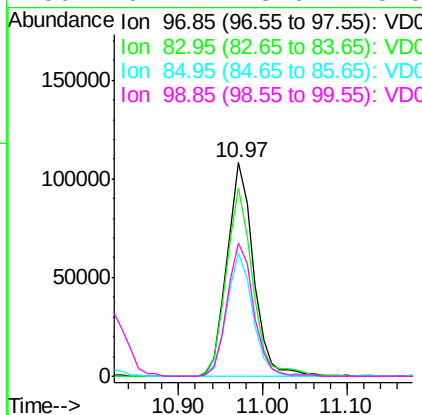
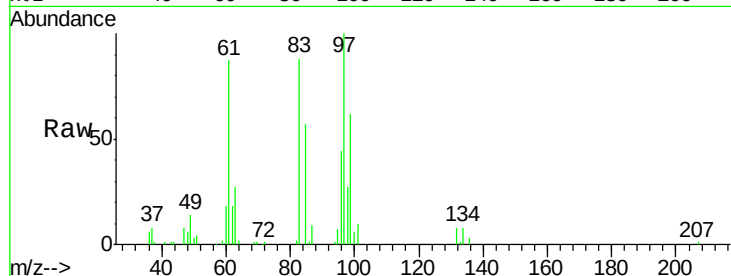
ClientSampleId :

ICVVD012319

Tot Ion:	97	Resp:	237121
Ion	Ratio	Lower	Upper
97	100		
83	87.9	70.4	105.6
85	57.4	43.9	65.9
99	62.1	48.6	73.0

Manual Integrations
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#56

Ethyl methacrylate

Concen: 53.199 ug/l

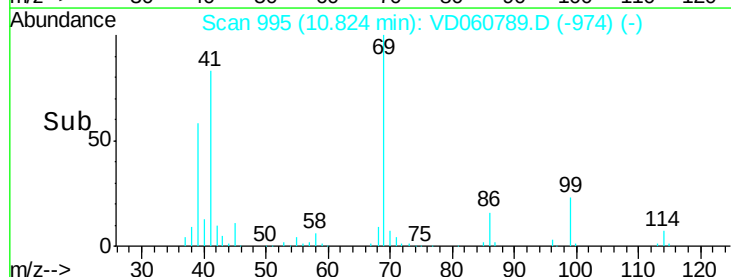
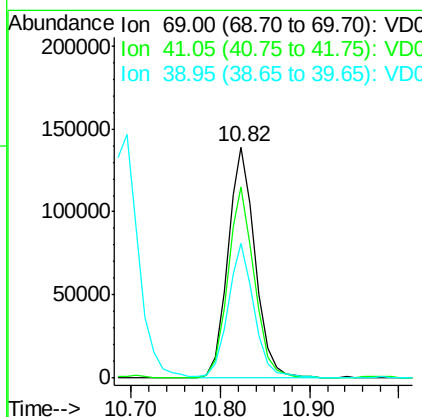
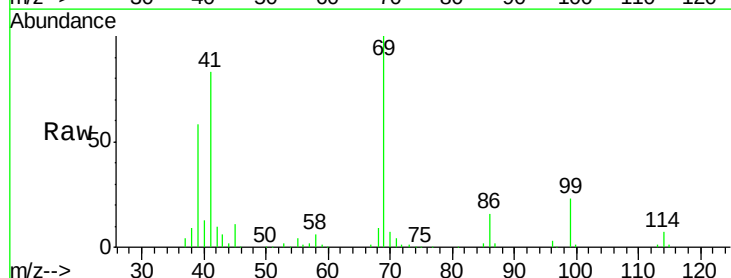
RT: 10.82 min Scan# 995

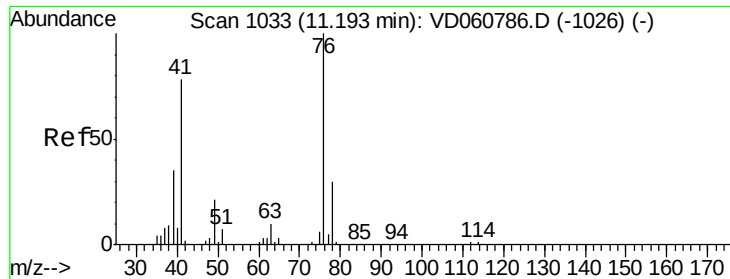
Delta R.T. 0.00 min

Lab File: VD060789.D

Acq: 23 Jan 2019 18:31

Tgt Ion:	69	Resp:	297110
Ion	Ratio	Lower	Upper
69	100		
41	82.7	62.0	93.0
39	58.2	43.8	65.8





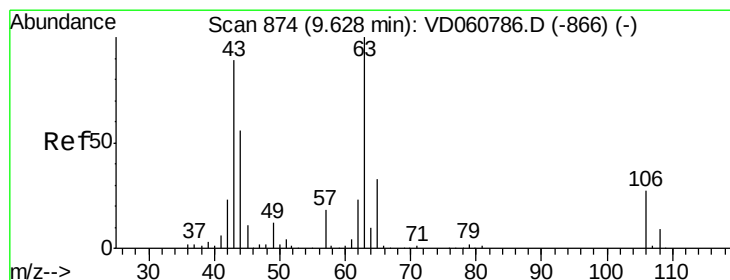
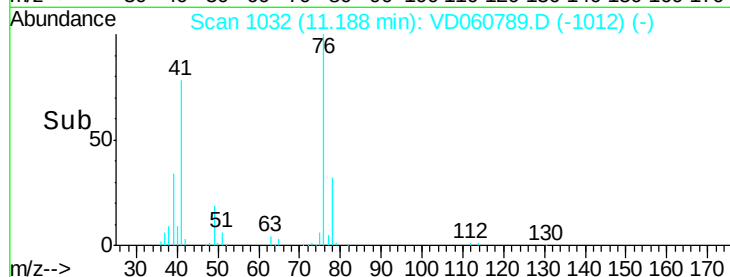
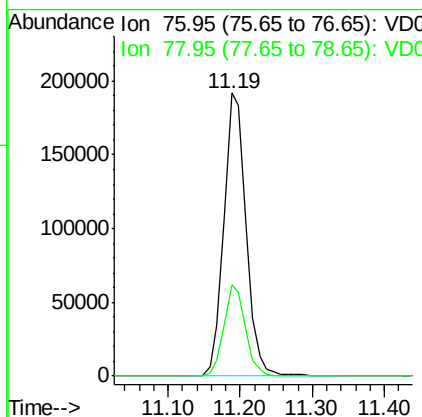
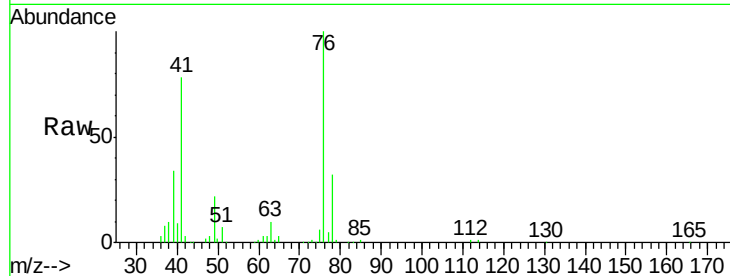
#57
 1,3-Dichloropropane
 Concen: 52.895 ug/l
 RT: 11.19 min Scan# 1032
 Delta R.T. -0.01 min
 Lab File: VD060789.D
 Acq: 23 Jan 2019 18:31

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD012319

Tot Ion: 76 Resp: 408559
 Ion Ratio Lower Upper
 76 100
 78 32.2 24.0 36.0

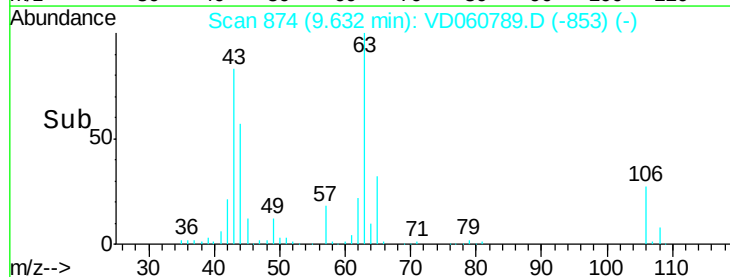
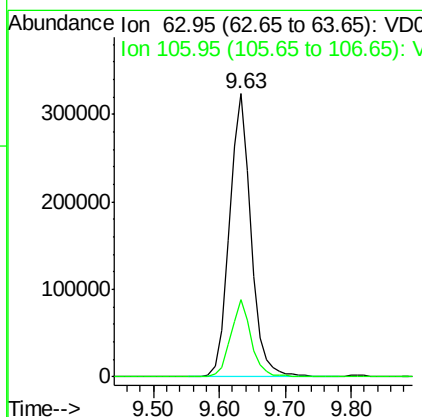
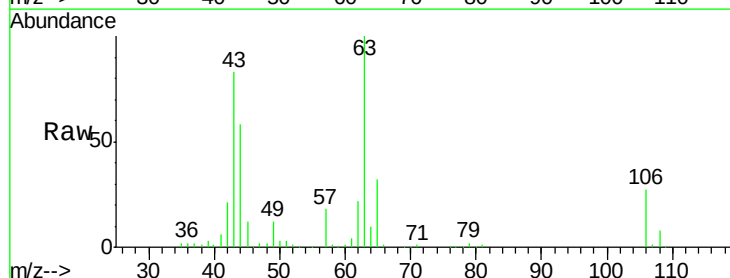
Manual Integrations
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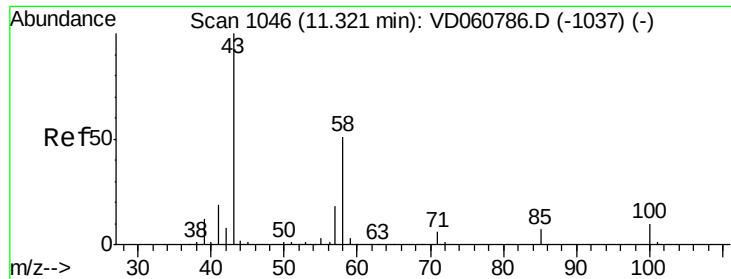
MMDadoda
 1/24/2019 12:50:22 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 251.102 ug/l
 RT: 9.63 min Scan# 874
 Delta R.T. 0.00 min
 Lab File: VD060789.D
 Acq: 23 Jan 2019 18:31

Tgt Ion: 63 Resp: 741922
 Ion Ratio Lower Upper
 63 100
 106 27.2 21.6 32.4





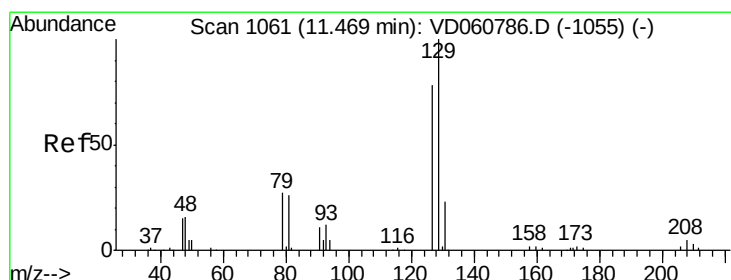
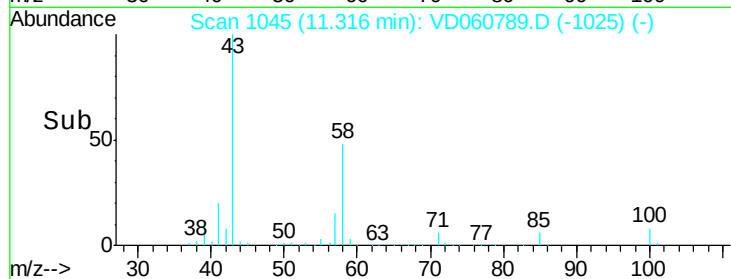
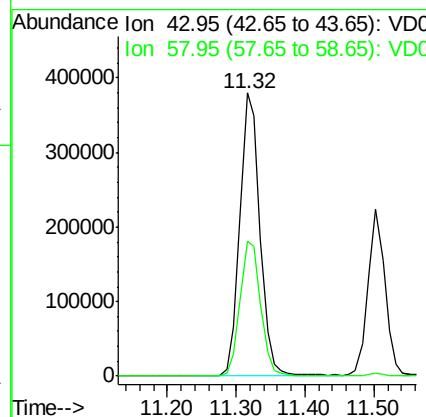
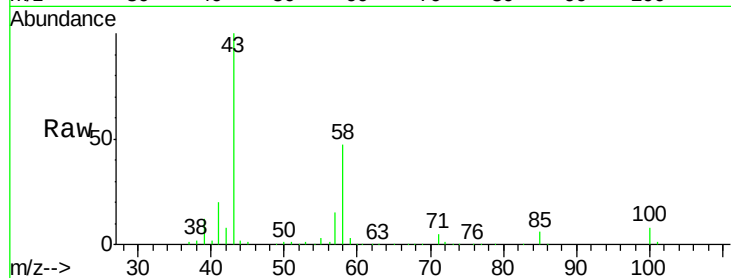
#59
2-Hexanone
Concen: 241.639 ug/l
RT: 11.32 min Scan# 1045
Delta R.T. -0.01 min
Lab File: VD060789.D
Acq: 23 Jan 2019 18:31

Instrument :
MSVOA_D
ClientSampleId :
ICVVD012319

Tot Ion	43	58	Ratio	Lower	Upper
771115	100	47.5		25.4	76.2

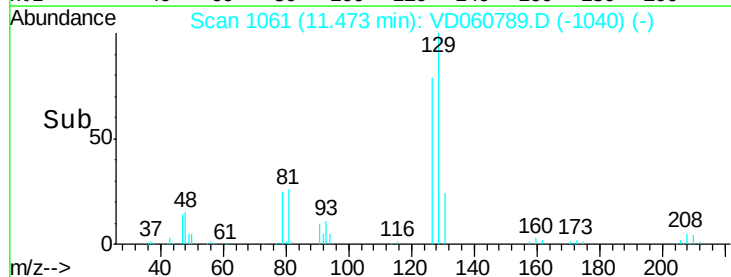
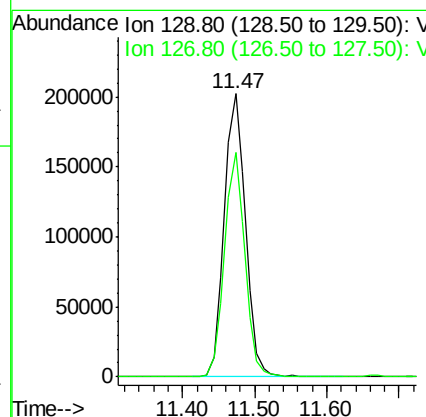
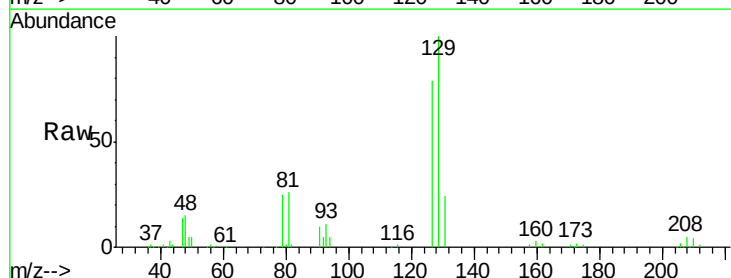
Manual Integrations
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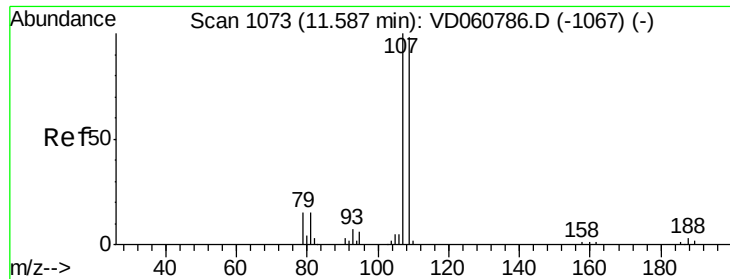
MMDadoda
1/24/2019 12:50:22 PM



#60
Dibromochloromethane
Concen: 54.307 ug/l
RT: 11.47 min Scan# 1061
Delta R.T. 0.00 min
Lab File: VD060789.D
Acq: 23 Jan 2019 18:31

Tgt Ion	129	127	Ratio	Lower	Upper
409772	100	79.4		39.0	117.0





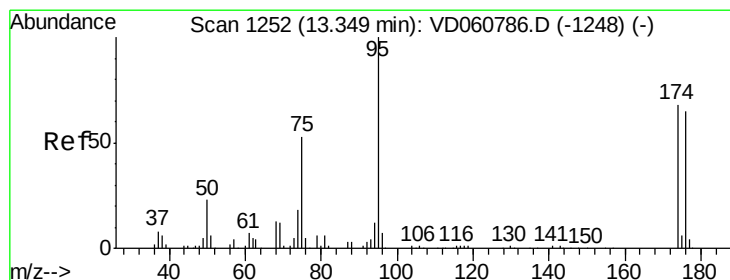
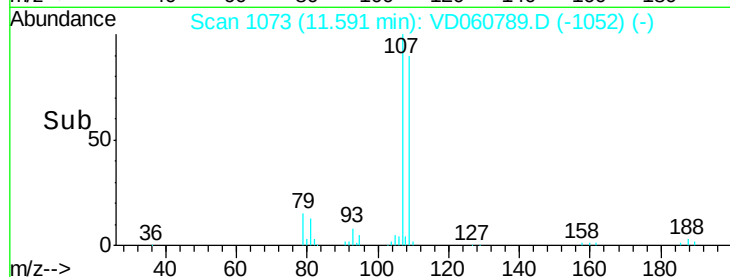
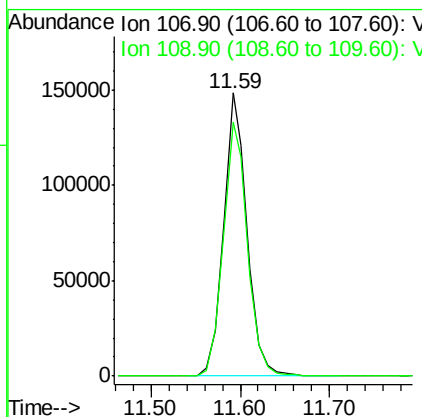
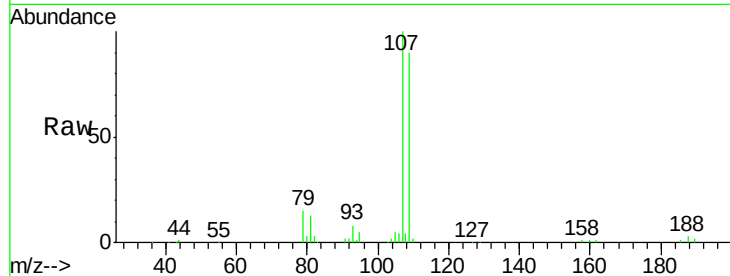
#61
1,2-Dibromoethane
Concen: 50.443 ug/l
RT: 11.59 min Scan# 1073
Delta R.T. 0.00 min
Lab File: VD060789.D
Acq: 23 Jan 2019 18:31

Instrument :
MSVOA_D
ClientSampleId :
ICVVD012319

Tot Ion	Ratio	Resp	Lower	Upper
107	100	273690		
109	89.7	78.2	117.2	

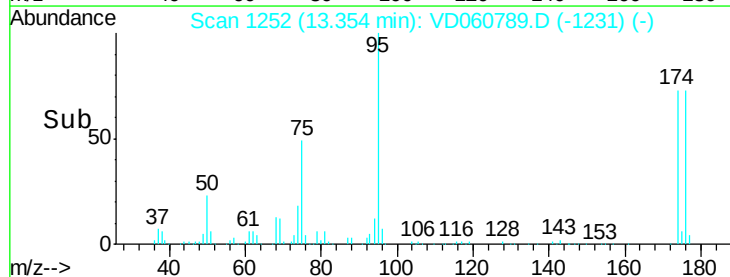
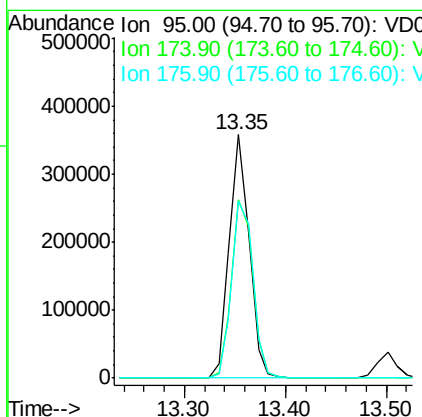
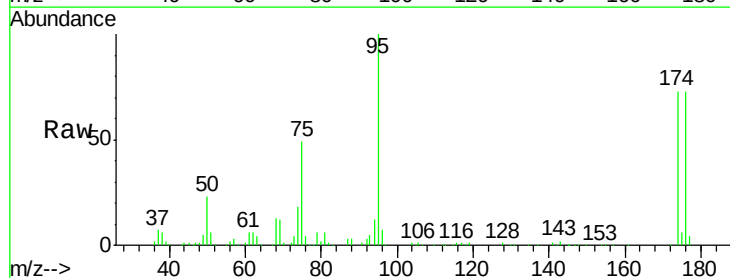
Manual Integrations
APPROVED

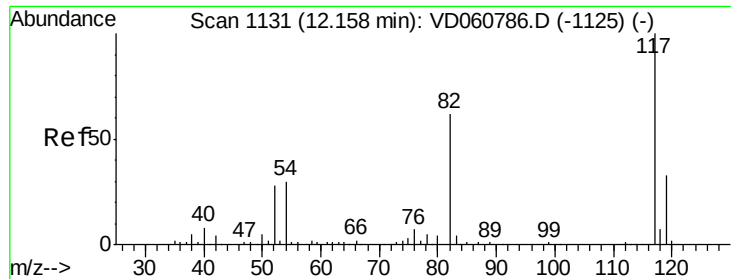
MMDadoda
1/24/2019 12:50:22 PM



#62
4-Bromofluorobenzene
Concen: 50.443 ug/l
RT: 13.35 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VD060789.D
Acq: 23 Jan 2019 18:31

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	493207		
174	73.1	0.0	135.6	
176	72.9	0.0	130.6	





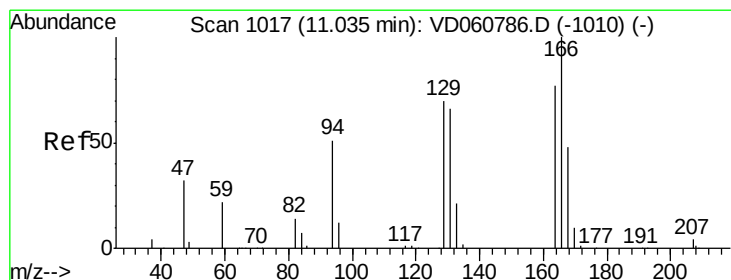
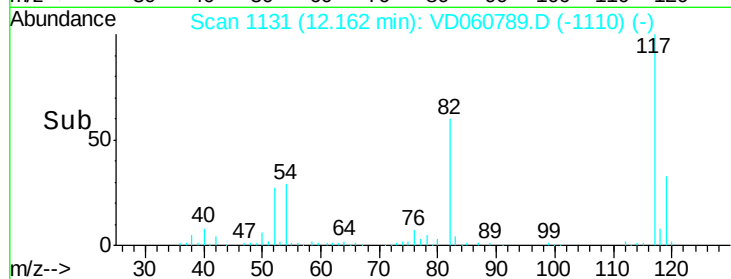
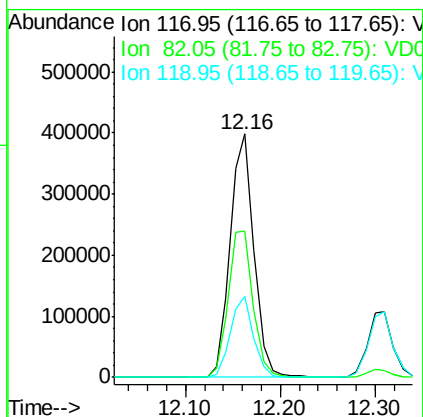
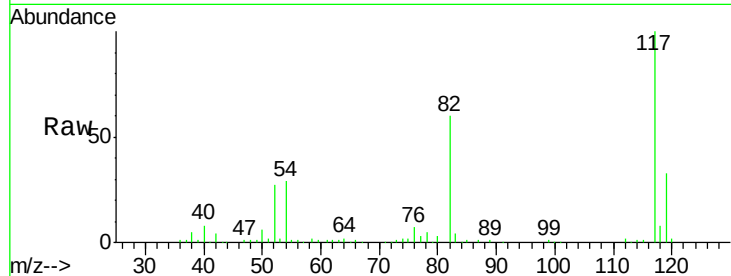
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.16 min Scan# 1131
Delta R.T. 0.00 min
Lab File: VD060789.D
Acq: 23 Jan 2019 18:31

Instrument :
MSVOA_D
ClientSampled :
ICVVD012319

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.3	49.5	74.3
119	33.2	26.2	39.4

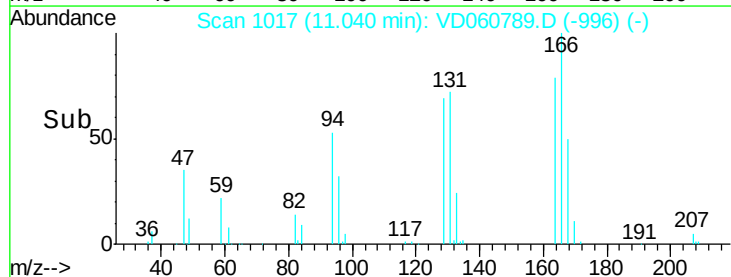
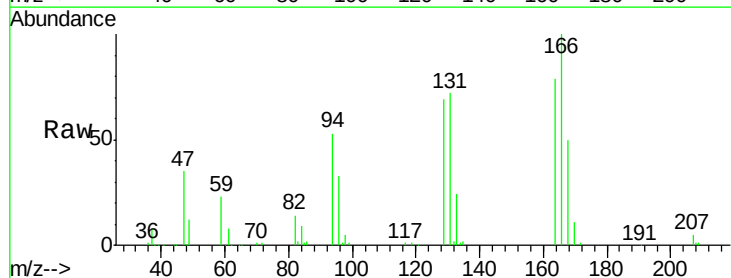
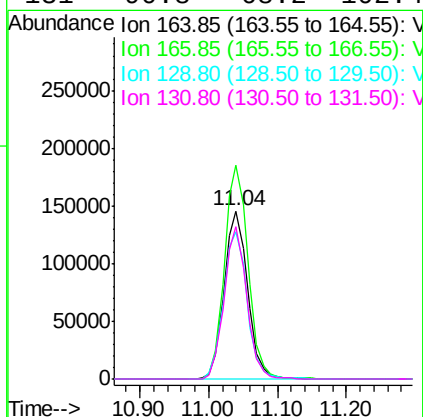
Manual Integrations
APPROVED

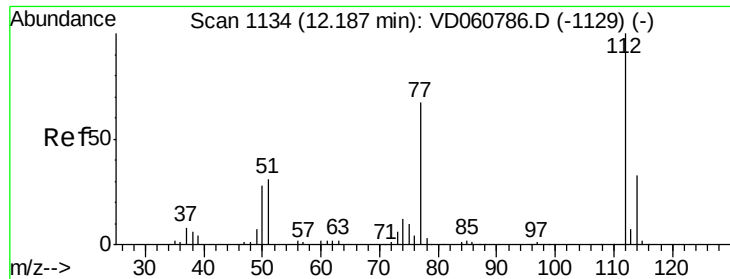
MMDadoda
1/24/2019 12:50:22 PM



#64
Tetrachloroethene
Concen: 53.624 ug/l
RT: 11.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VD060789.D
Acq: 23 Jan 2019 18:31

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.0	103.8	155.6
129	87.2	72.2	108.2
131	90.8	68.2	102.4





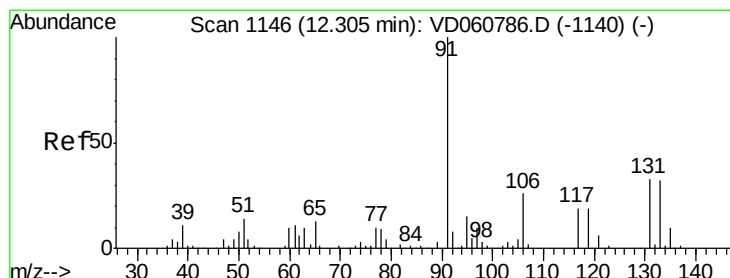
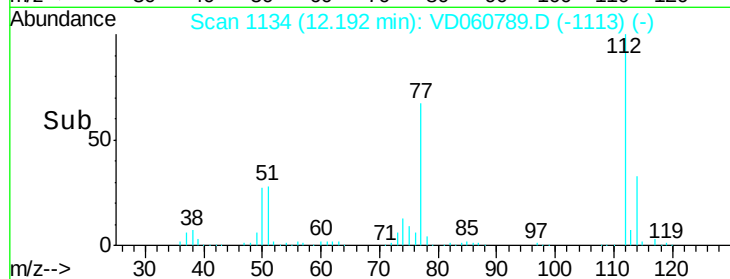
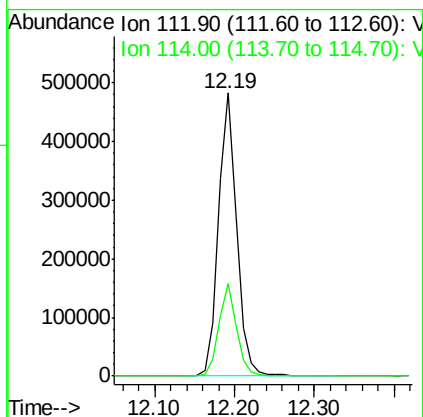
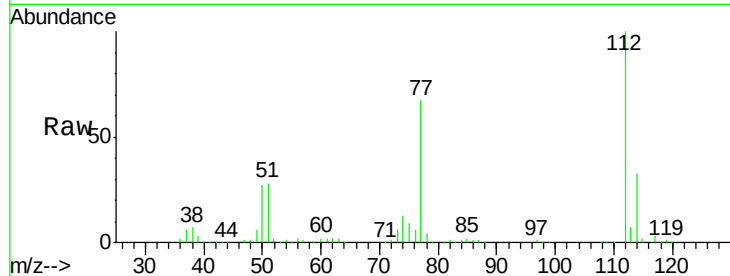
#65
Chlorobenzene
Concen: 52.304 ug/l
RT: 12.19 min Scan# 1134
Delta R.T. 0.00 min
Lab File: VD060789.D
Acq: 23 Jan 2019 18:31

Instrument :
MSVOA_D
ClientSampleId :
ICVVD012319

Tot Ion:112 Resp: 779085
Ion Ratio Lower Upper
112 100
114 32.7 26.4 39.6

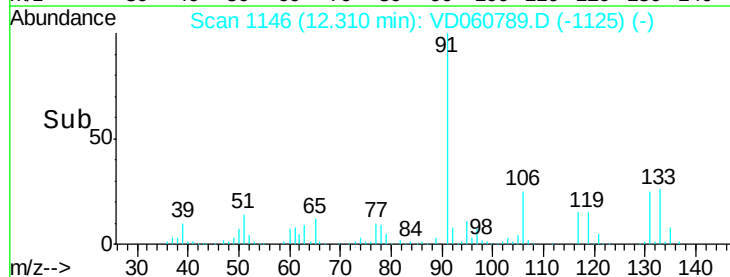
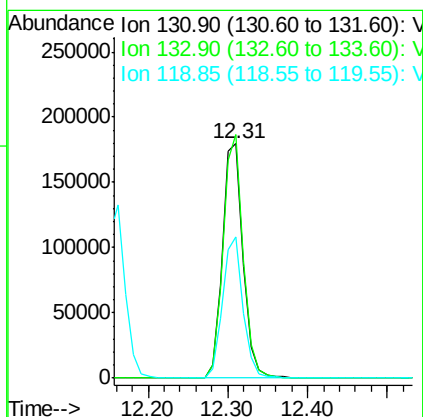
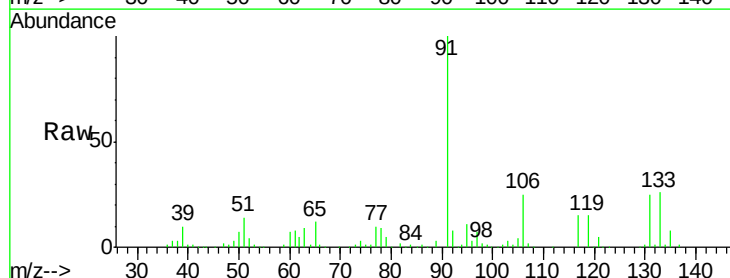
Manual Integrations
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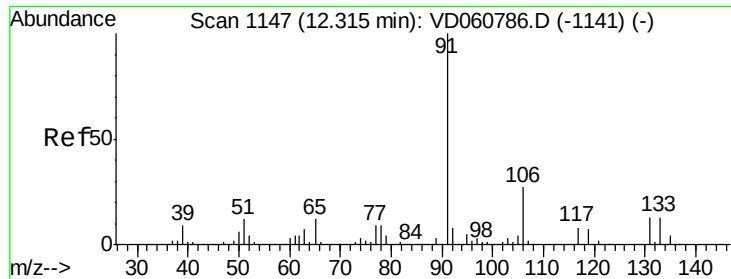
MMDadoda
1/24/2019 12:50:22 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.514 ug/l
RT: 12.31 min Scan# 1146
Delta R.T. 0.00 min
Lab File: VD060789.D
Acq: 23 Jan 2019 18:31

Tgt Ion:131 Resp: 328840
Ion Ratio Lower Upper
131 100
133 103.9 48.3 144.8
119 60.2 28.0 84.0





#67

Ethyl Benzene

Concen: 51.889 ug/l

RT: 12.32 min Scan# 1147

Delta R.T. 0.00 min

Lab File: VD060789.D

Acq: 23 Jan 2019 18:31

Instrument :

MSVOA_D

ClientSampleId :

ICVVD012319

Tot Ion: 91 Resp: 1399168

Ion Ratio Lower Upper

91 100

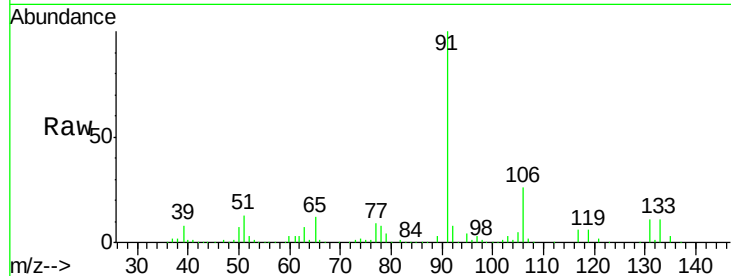
106 26.4 21.4 32.2

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.05 (105.75 to 106.75): V

1200000

1000000

800000

600000

400000

200000

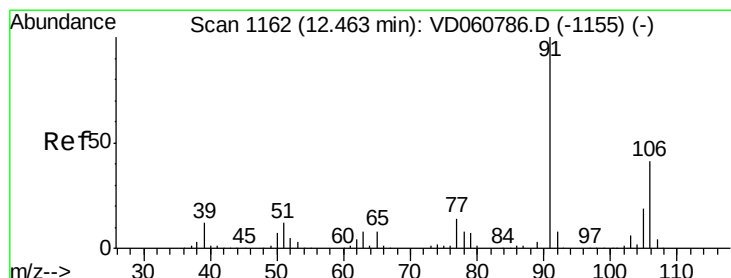
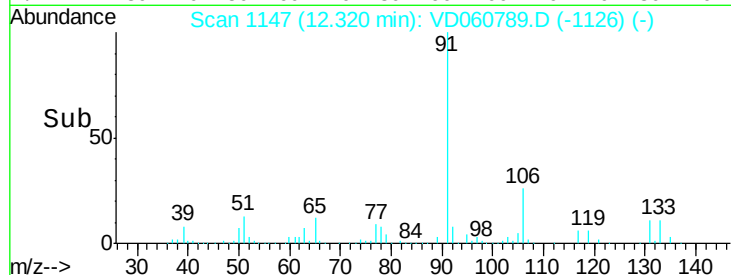
0

12.20

12.30

12.40

Time-->



#68

m/p-Xylenes

Concen: 102.791 ug/l

RT: 12.46 min Scan# 1161

Delta R.T. -0.01 min

Lab File: VD060789.D

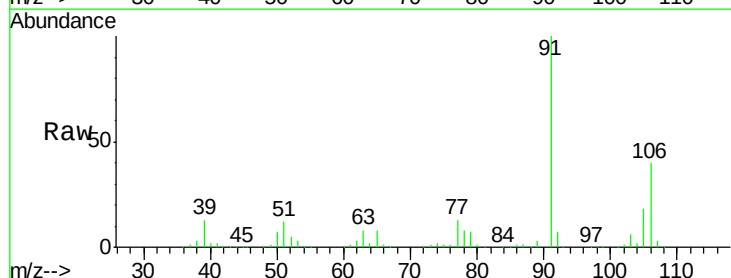
Acq: 23 Jan 2019 18:31

Tgt Ion:106 Resp: 939067

Ion Ratio Lower Upper

106 100

91 248.9 195.6 293.4



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): V

1200000

1000000

800000

600000

400000

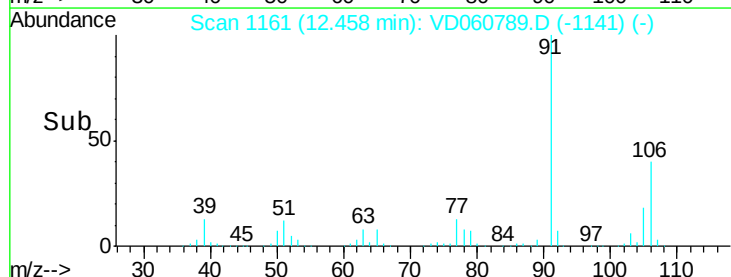
200000

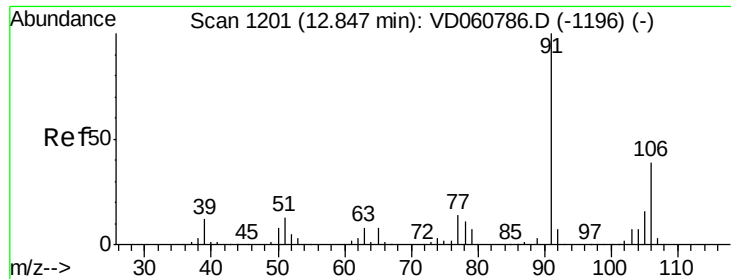
0

12.40

12.50

Time-->





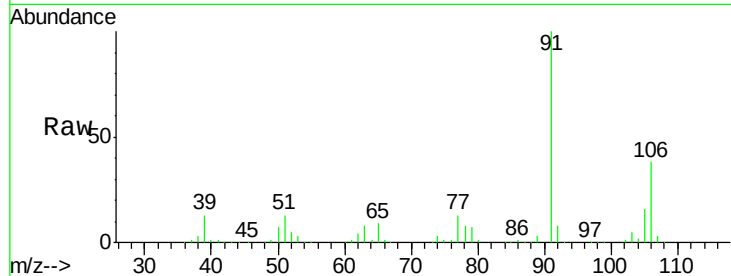
#69
o-Xylene
Concen: 50.782 ug/l
RT: 12.84 min Scan# 1200
Delta R.T. -0.01 min
Lab File: VD060789.D
Acq: 23 Jan 2019 18:31

Instrument :
MSVOA_D
ClientSampleId :
ICVVD012319

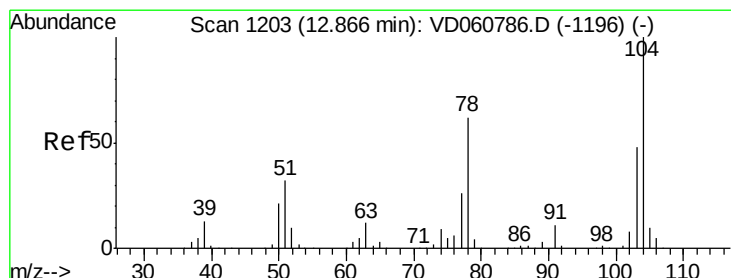
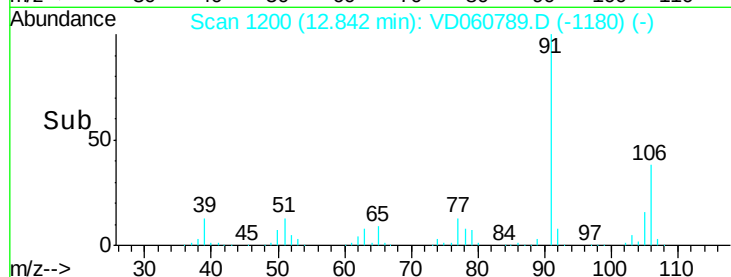
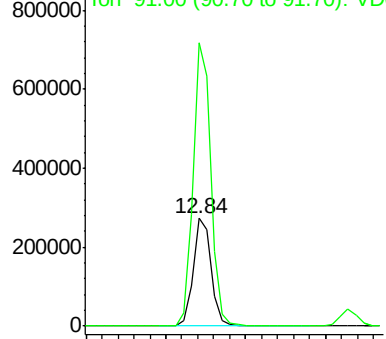
Tot Ion:106 Resp: 435998
Ion Ratio Lower Upper
106 100
91 262.4 127.2 381.5

Manual Integrations
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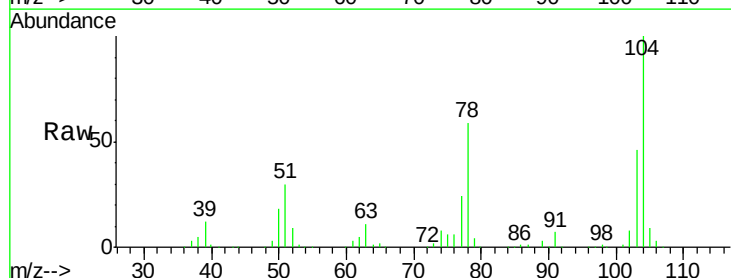


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

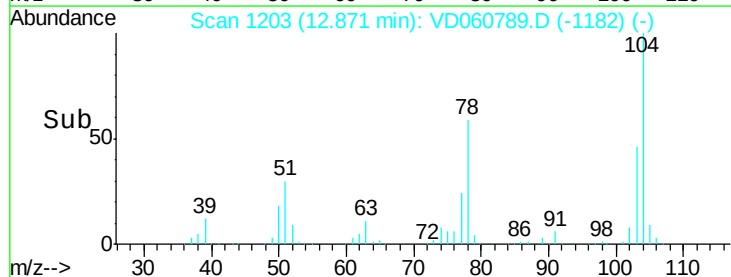
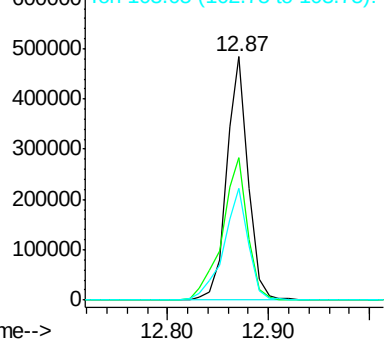


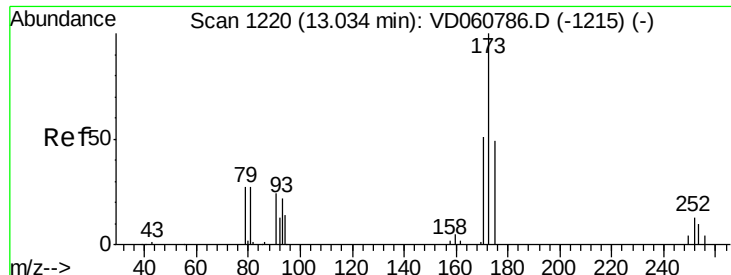
#70
Styrene
Concen: 54.711 ug/l
RT: 12.87 min Scan# 1203
Delta R.T. 0.01 min
Lab File: VD060789.D
Acq: 23 Jan 2019 18:31

Tgt Ion:104 Resp: 716786
Ion Ratio Lower Upper
104 100
78 58.5 49.7 74.5
103 45.8 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





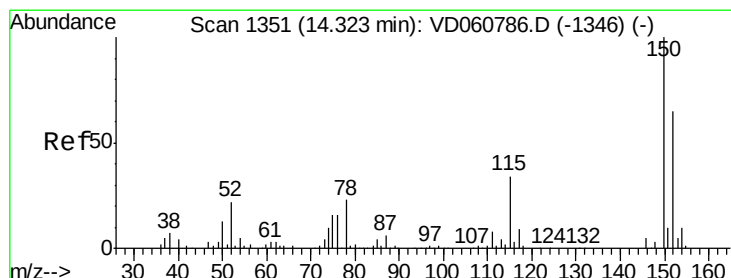
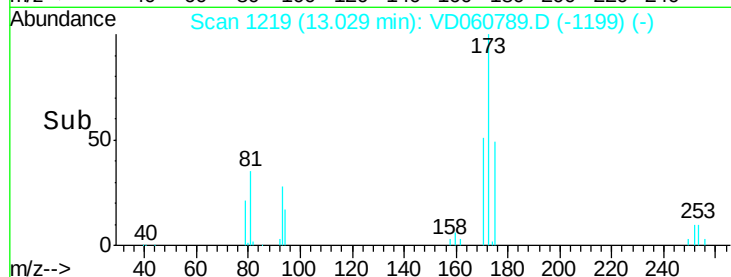
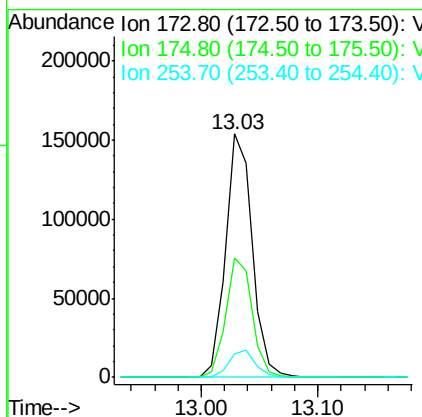
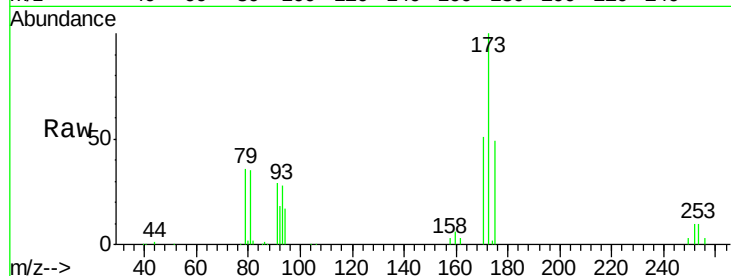
#71
Bromoform
Concen: 50.047 ug/l
RT: 13.03 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VD060789.D
Acq: 23 Jan 2019 18:31

Instrument :
MSVOA_D
ClientSampleId :
ICVVD012319

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.3	72.9
254	9.8	8.2	12.4

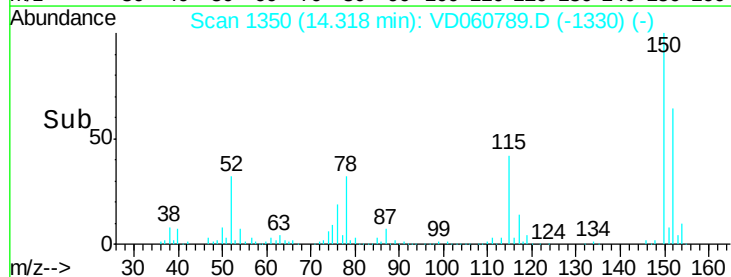
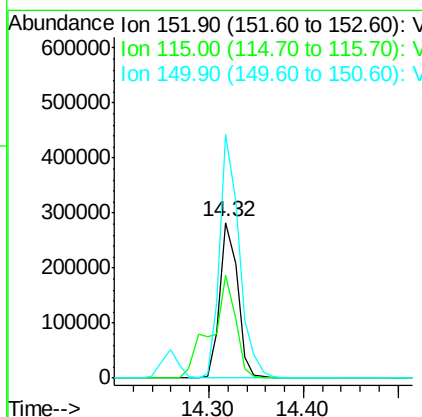
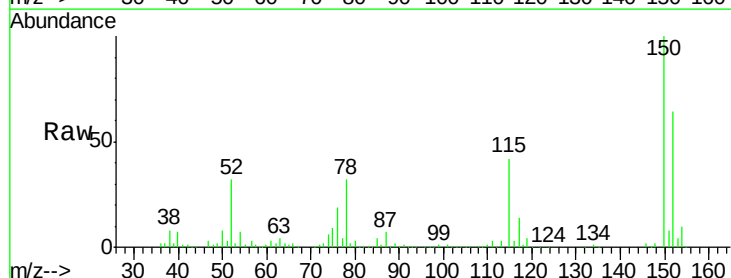
Manual Integrations
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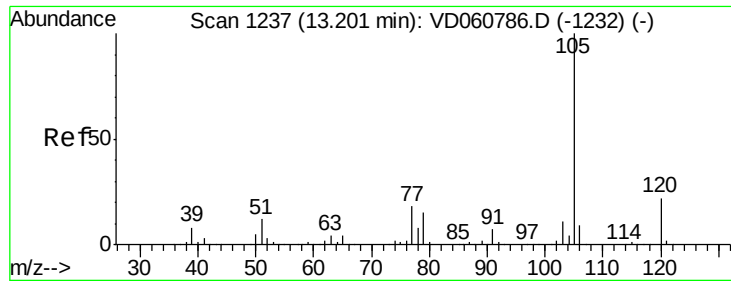
MMDadoda
1/24/2019 12:50:22 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.32 min Scan# 1350
Delta R.T. -0.01 min
Lab File: VD060789.D
Acq: 23 Jan 2019 18:31

Tgt Ion	Ratio	Lower	Upper
152	100		
115	66.0	28.1	84.3
150	156.5	0.0	314.0





#73

Isopropylbenzene

Concen: 51.154 ug/l

RT: 13.21 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VD060789.D

Acq: 23 Jan 2019 18:31

Instrument :

MSVOA_D

ClientSampleId :

ICVVD012319

Tot Ion:105 Resp: 1430495

Ion Ratio Lower Upper

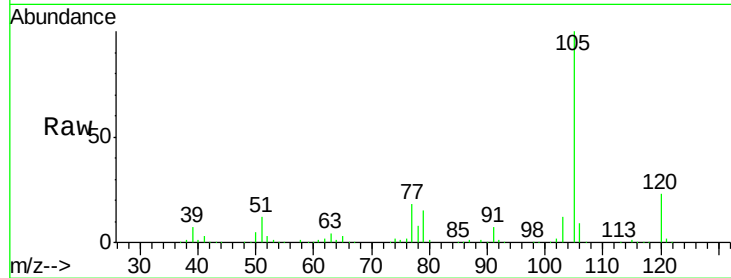
105 100

120 23.0 11.1 33.3

Manual Integrations
APPROVED

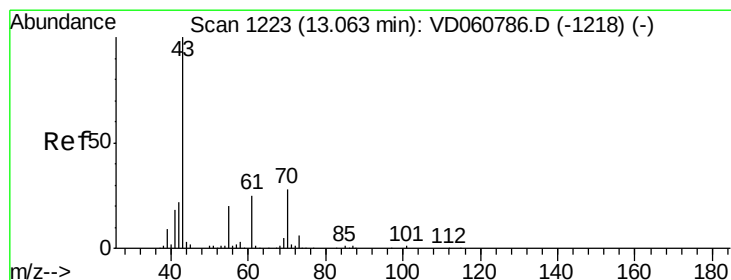
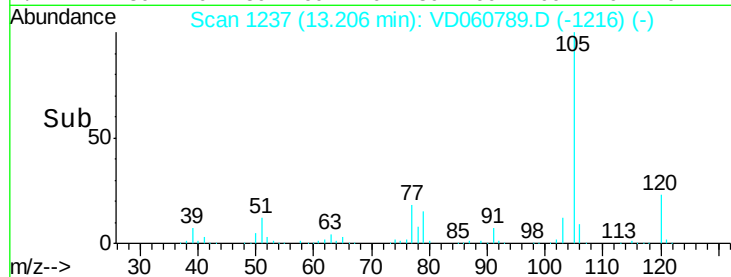
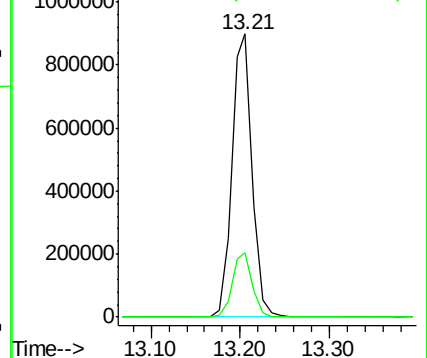
MMDadoda

1/24/2019 12:50:22 PM



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 49.152 ug/l

RT: 13.07 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD060789.D

Acq: 23 Jan 2019 18:31

Tgt Ion: 43 Resp: 443269

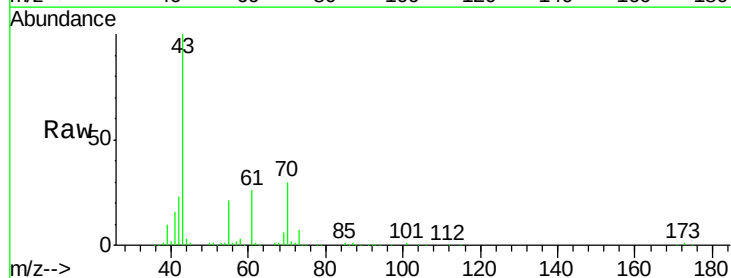
Ion Ratio Lower Upper

43 100

70 30.5 22.6 33.8

55 21.0 16.2 24.2

61 26.2 20.4 30.6

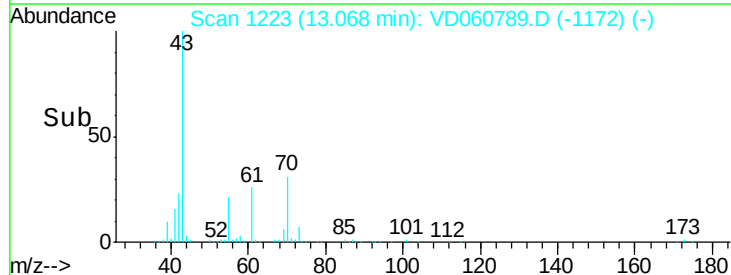
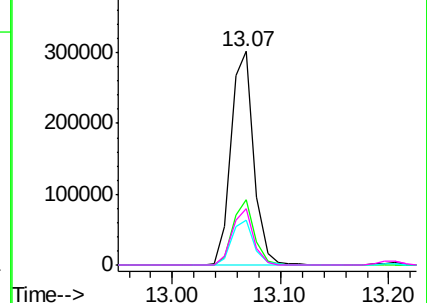


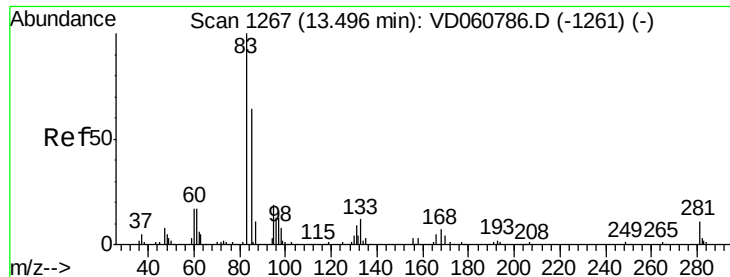
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 48.026 ug/l

RT: 13.50 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VD060789.D

Acq: 23 Jan 2019 18:31

Instrument :

MSVOA_D

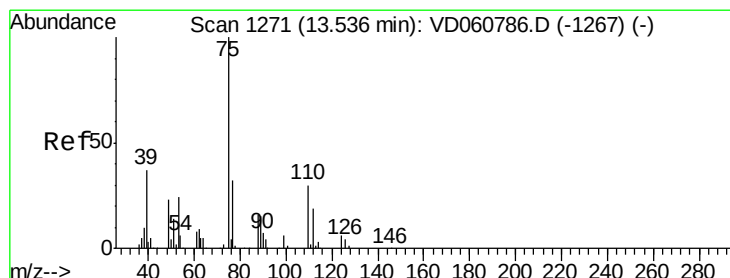
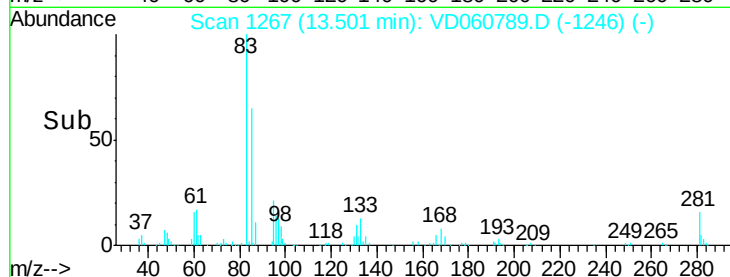
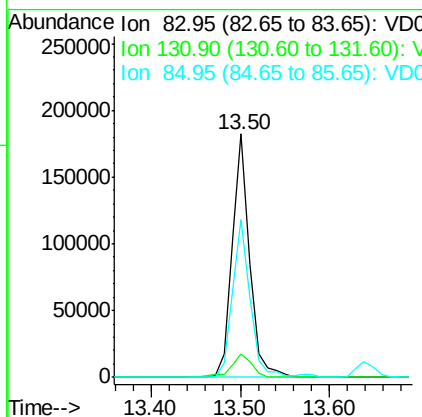
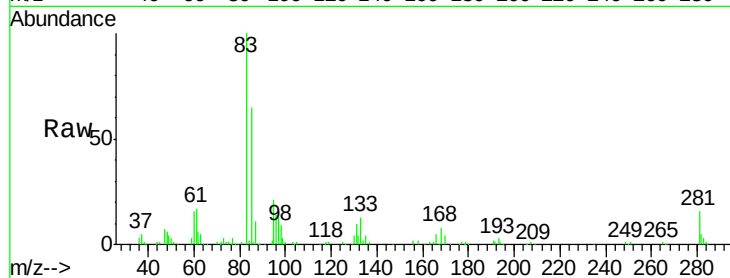
ClientSampleId :

ICVVD012319

Tot Ion:	83	Resp:	253709
Ion Ratio	Lower	Upper	
83	100		
131	9.8	4.5	13.5
85	64.6	32.2	96.6

Manual Integrations
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MMDadoda
1/24/2019 12:50:22 PM



#76

1,2,3-Trichloropropane

Concen: 51.428 ug/l

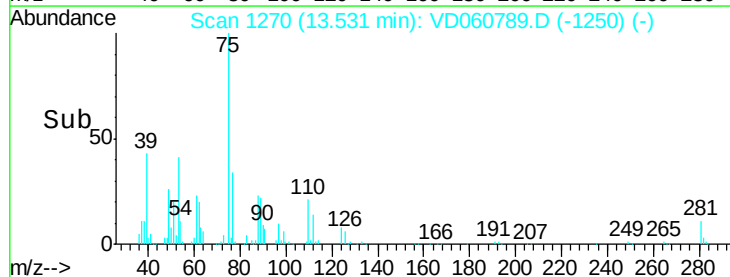
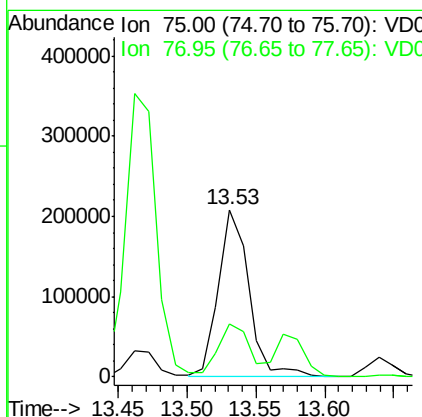
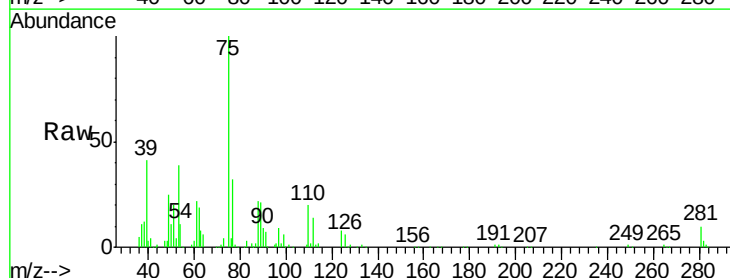
RT: 13.53 min Scan# 1270

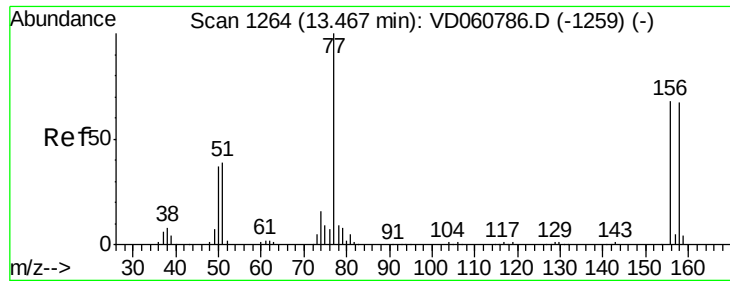
Delta R.T. -0.01 min

Lab File: VD060789.D

Acq: 23 Jan 2019 18:31

Tgt Ion:	75	Resp:	319840
Ion Ratio	Lower	Upper	
75	100		
77	32.0	17.5	52.5





#77

Bromobenzene

Concen: 48.973 ug/l

RT: 13.47 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VD060789.D

Acq: 23 Jan 2019 18:31

Instrument :

MSVOA_D

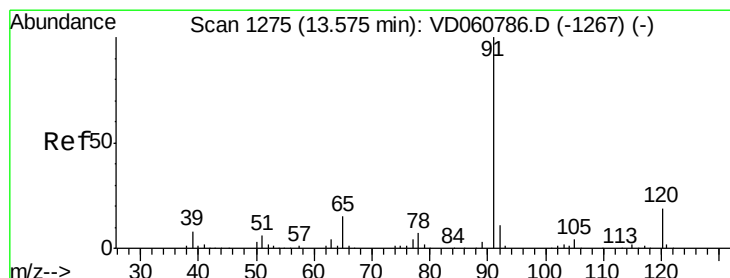
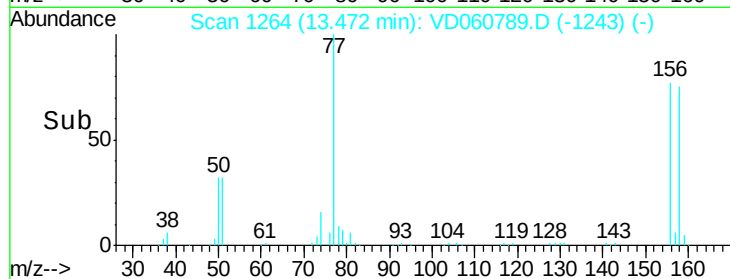
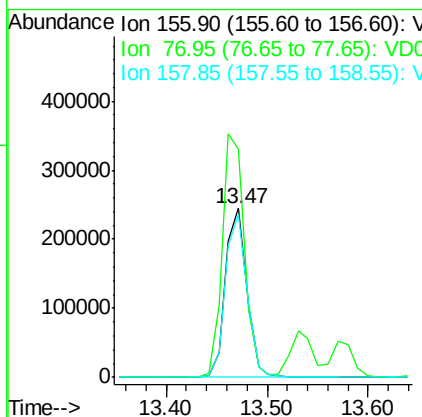
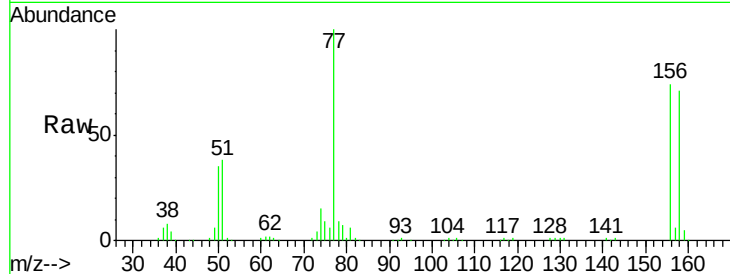
ClientSampleId :

ICVVD012319

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	135.5	74.0	222.0	
158	96.5	49.8	149.3	

Manual Integrations
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#78

n-propylbenzene

Concen: 49.563 ug/l

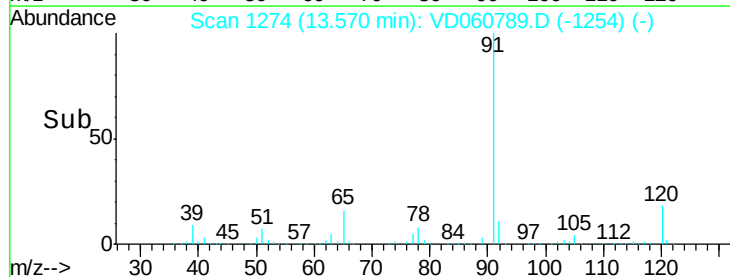
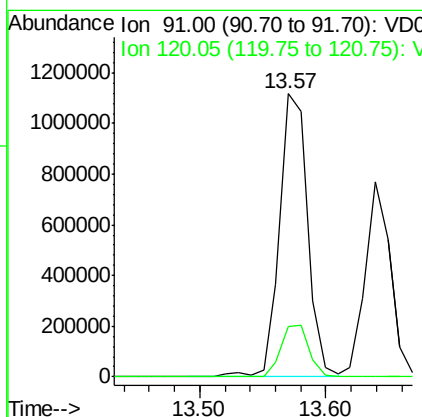
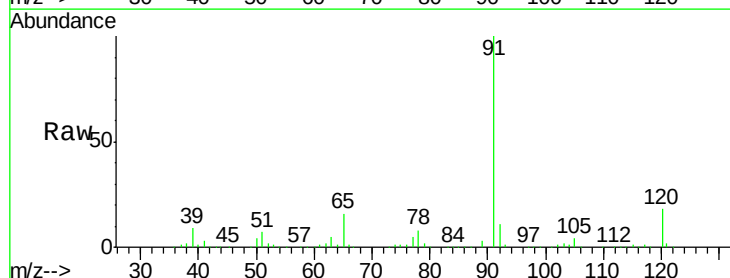
RT: 13.57 min Scan# 1274

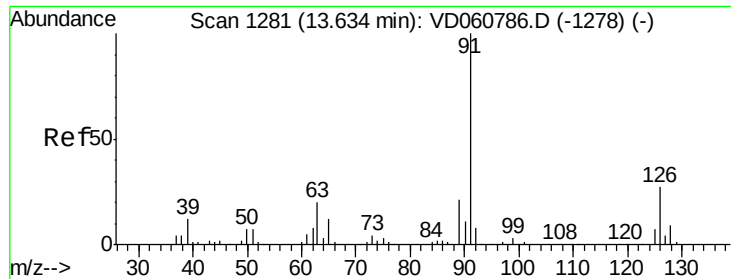
Delta R.T. -0.01 min

Lab File: VD060789.D

Acq: 23 Jan 2019 18:31

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	17.8	9.7	28.9	





#79

2-Chlorotoluene

Concen: 51.189 ug/l

RT: 13.64 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VD060789.D

Acq: 23 Jan 2019 18:31

Instrument :

MSVOA_D

ClientSampleId :

ICVVD012319

Tot Ion: 91 Resp: 1054621

Ion Ratio Lower Upper

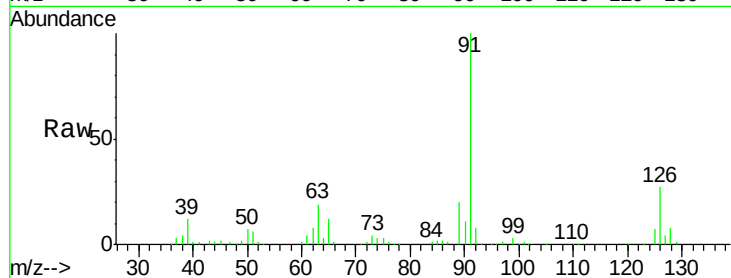
91 100

126 26.9 13.4 40.1

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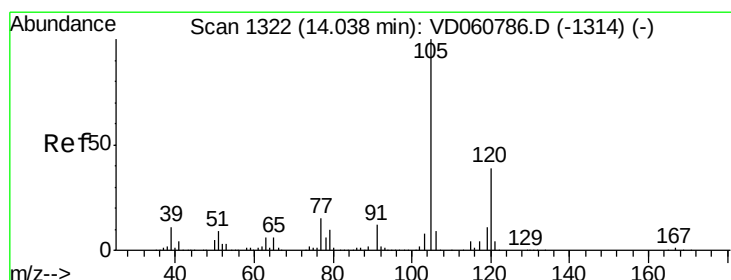
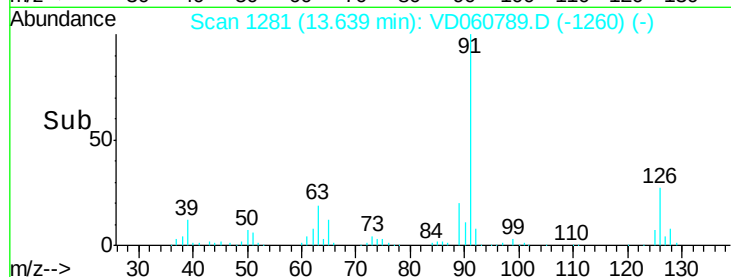
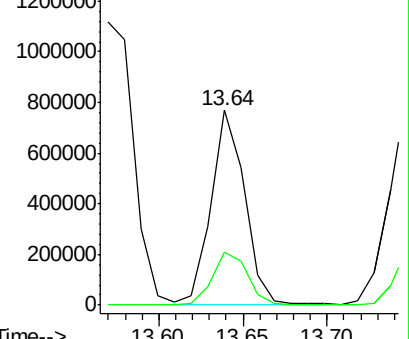
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VD060786.D (-1278) (-)

Ion 125.95 (125.65 to 126.65): VD060786.D (-1278) (-)



#80

1,3,5-Trimethylbenzene

Concen: 49.314 ug/l

RT: 14.04 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VD060789.D

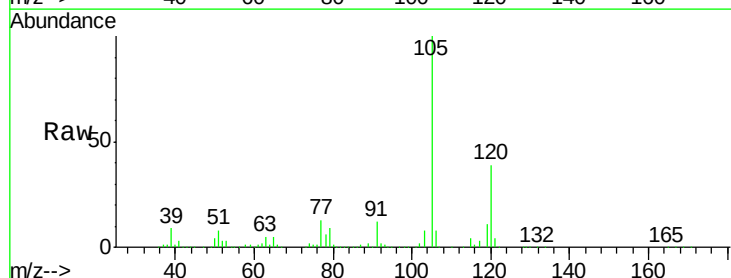
Acq: 23 Jan 2019 18:31

Tgt Ion:105 Resp: 1171812

Ion Ratio Lower Upper

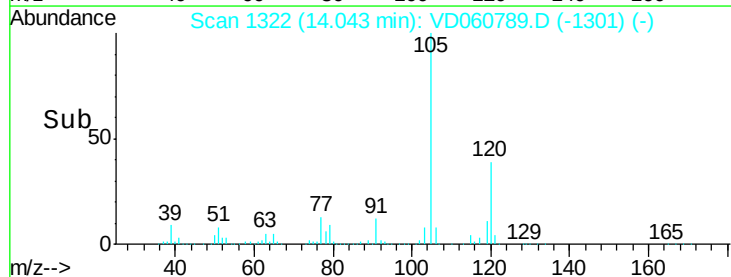
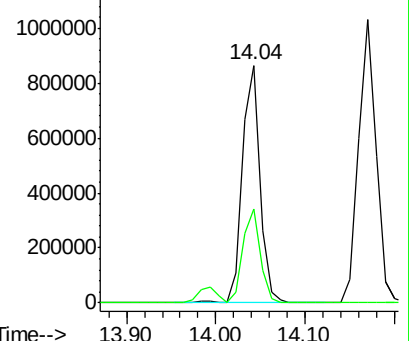
105 100

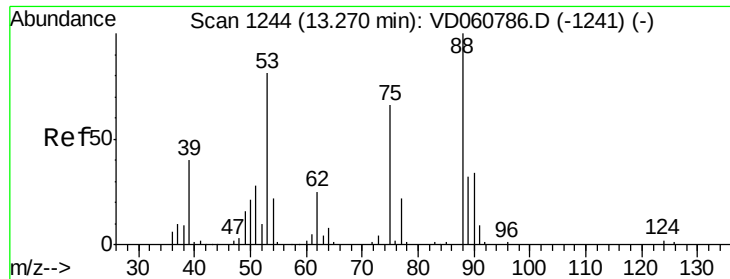
120 39.5 19.5 58.5



Abundance Ion 105.05 (104.75 to 105.75): VD060786.D (-1314) (-)

Ion 120.05 (119.75 to 120.75): VD060786.D (-1314) (-)





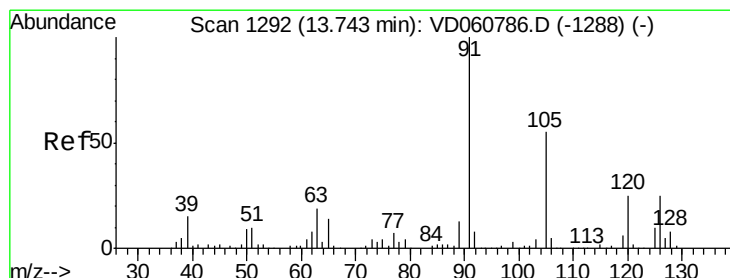
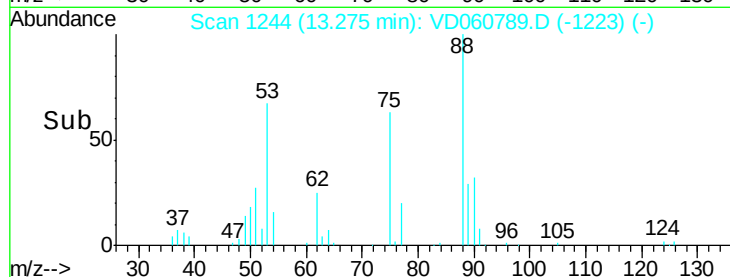
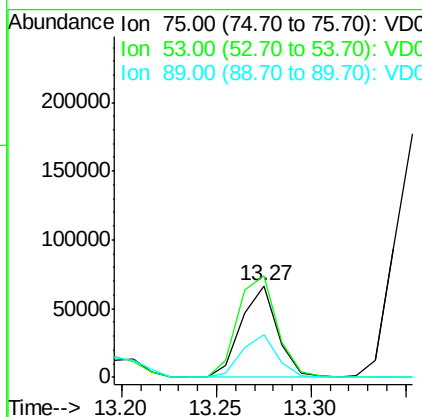
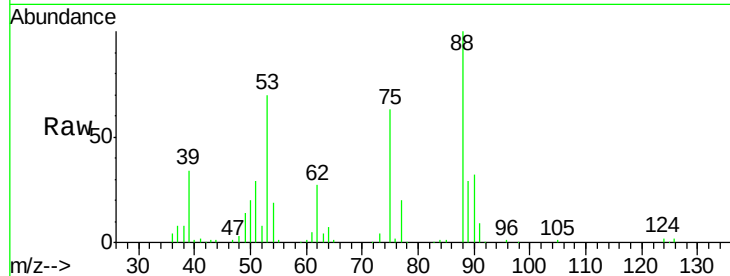
#81
trans-1,4-Dichloro-2-butene
Concen: 52.275 ug/l
RT: 13.27 min Scan# 1244
Delta R.T. 0.00 min
Lab File: VD060789.D
Acq: 23 Jan 2019 18:31

Instrument :
MSVOA_D
ClientSampleId :
ICVVD012319

Tot Ion	Ratio	Lower	Upper
75	100		
53	110.4	99.0	148.6
89	46.3	39.5	59.3

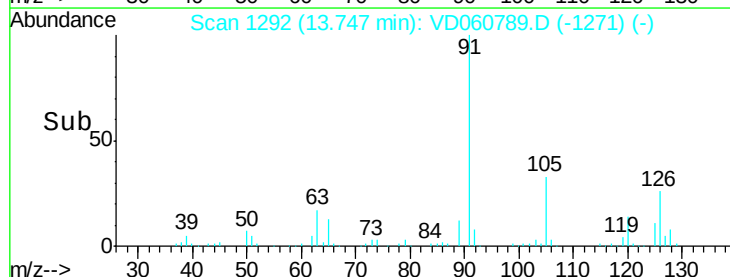
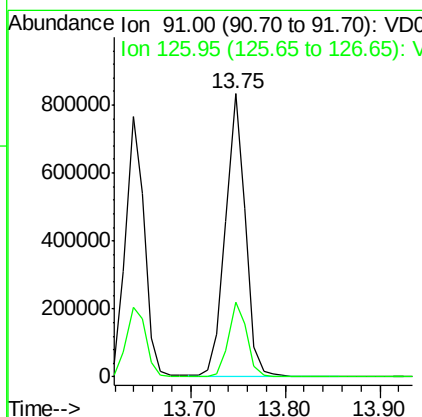
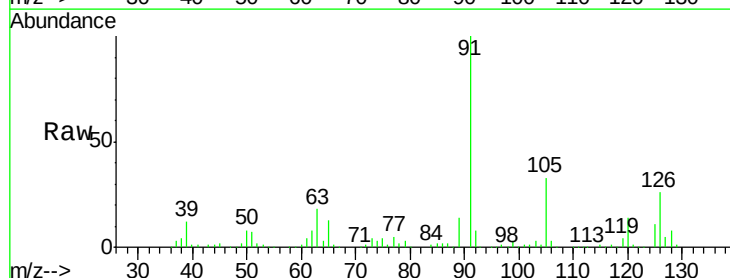
Manual Integrations
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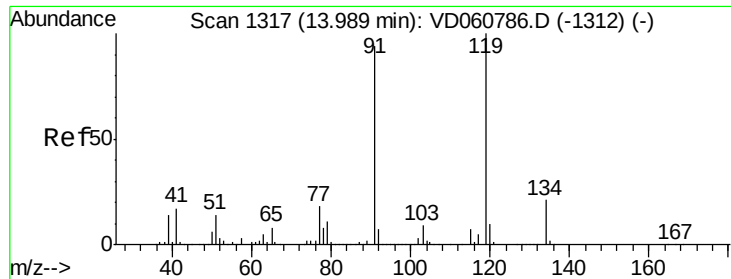
MMDadoda
1/24/2019 12:50:22 PM



#82
4-Chlorotoluene
Concen: 49.254 ug/l
RT: 13.75 min Scan# 1292
Delta R.T. 0.00 min
Lab File: VD060789.D
Acq: 23 Jan 2019 18:31

Tgt Ion	Ratio	Lower	Upper
91	100		
126	26.3	12.5	37.5





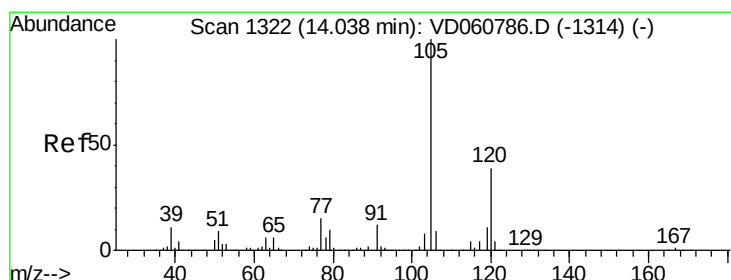
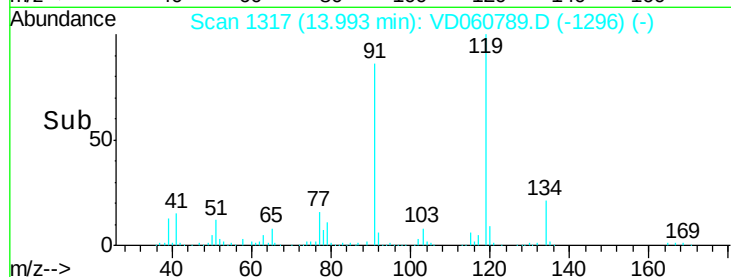
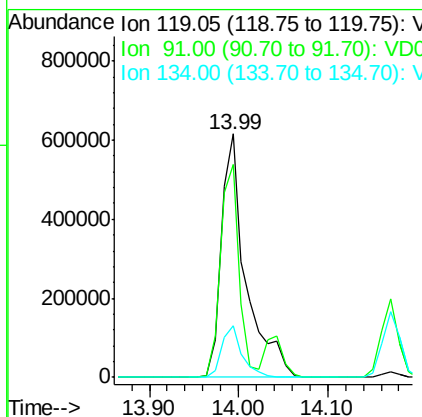
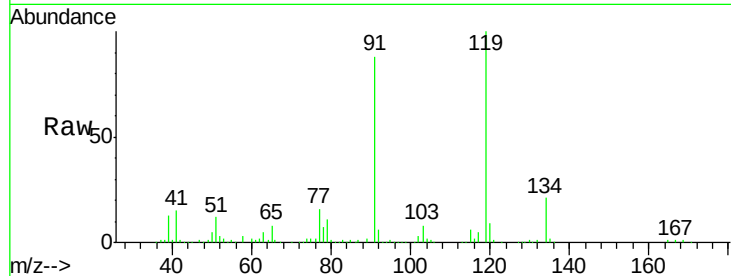
#83
 tert-Butylbenzene
 Concen: 47.147 ug/l
 RT: 13.99 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VD060789.D
 Acq: 23 Jan 2019 18:31

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD012319

Tot Ion:119 Resp: 1190312
 Ion Ratio Lower Upper
 119 100
 91 87.7 46.9 140.7
 134 21.2 10.3 30.9

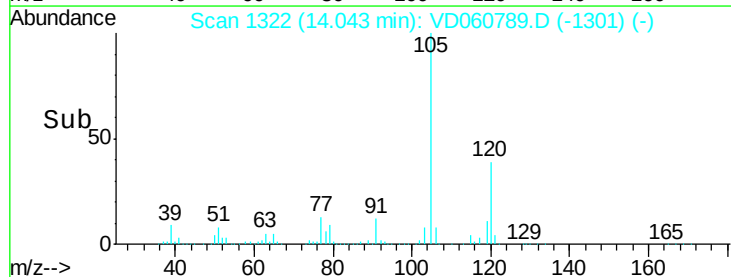
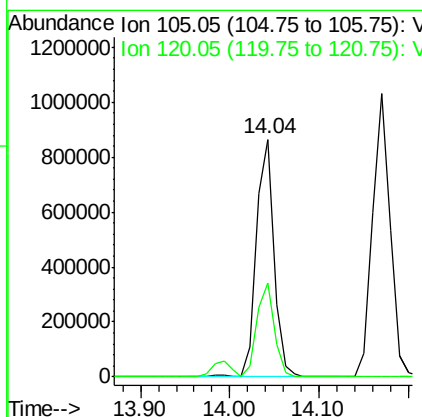
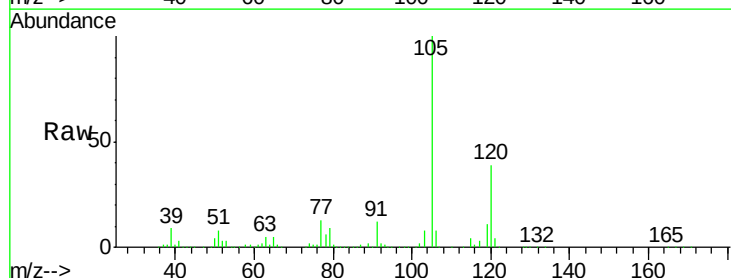
Manual Integrations
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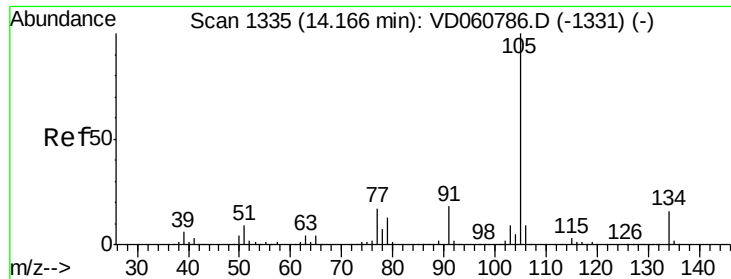
MMDadoda
 1/24/2019 12:50:22 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 49.314 ug/l
 RT: 14.04 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VD060789.D
 Acq: 23 Jan 2019 18:31

Tgt Ion:105 Resp: 1171812
 Ion Ratio Lower Upper
 105 100
 120 39.5 19.5 58.5





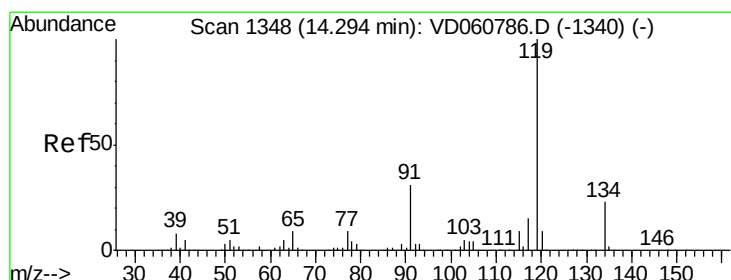
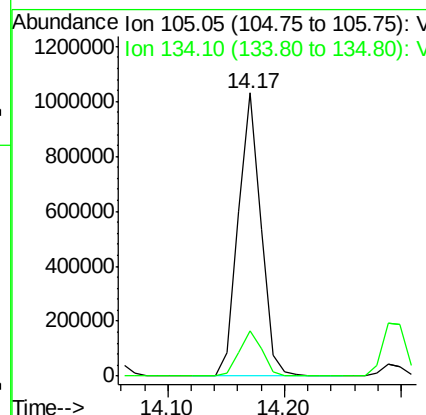
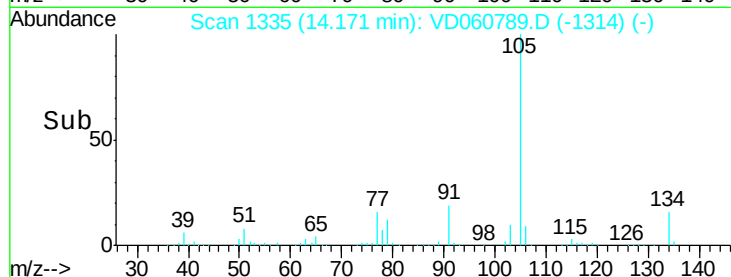
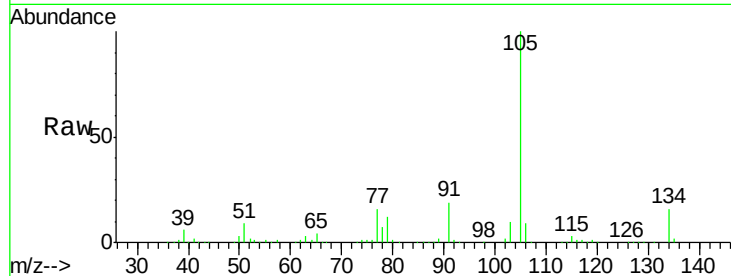
#85
 sec-Butylbenzene
 Concen: 47.952 ug/l
 RT: 14.17 min Scan# 1335
 Delta R.T. 0.00 min
 Lab File: VD060789.D
 Acq: 23 Jan 2019 18:31

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD012319

Tot Ion:105 Resp: 1380784
 Ion Ratio Lower Upper
 105 100
 134 16.0 8.1 24.1

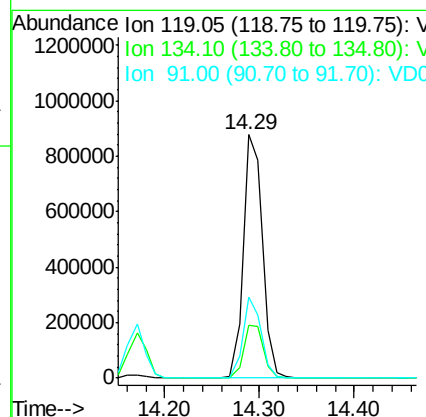
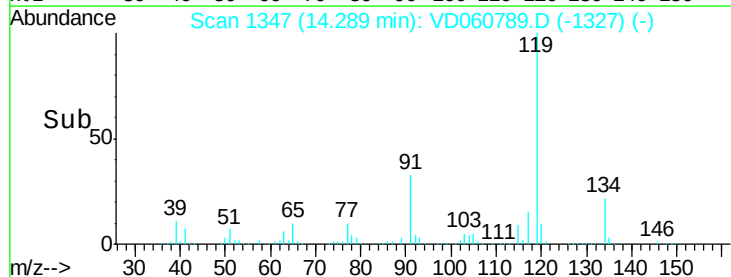
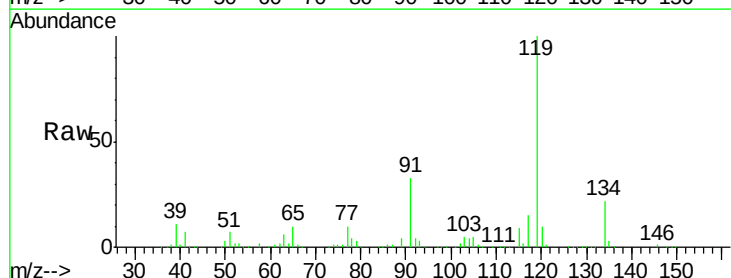
Manual Integrations
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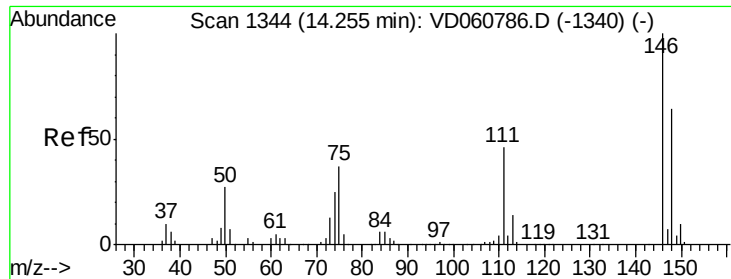
MMDadoda
 1/24/2019 12:50:22 PM



#86
 p-Isopropyltoluene
 Concen: 50.104 ug/l
 RT: 14.29 min Scan# 1347
 Delta R.T. -0.01 min
 Lab File: VD060789.D
 Acq: 23 Jan 2019 18:31

Tgt Ion:119 Resp: 1224458
 Ion Ratio Lower Upper
 119 100
 134 21.8 11.4 34.2
 91 33.2 15.8 47.4





#87

1,3-Dichlorobenzene

Concen: 49.653 ug/l

RT: 14.26 min Scan# 1344

Delta R.T. 0.00 min

Lab File: VD060789.D

Acq: 23 Jan 2019 18:31

Instrument :

MSVOA_D

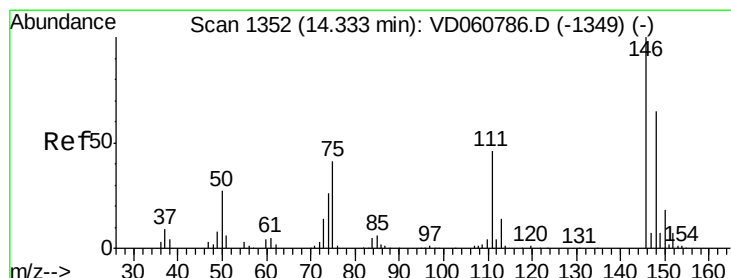
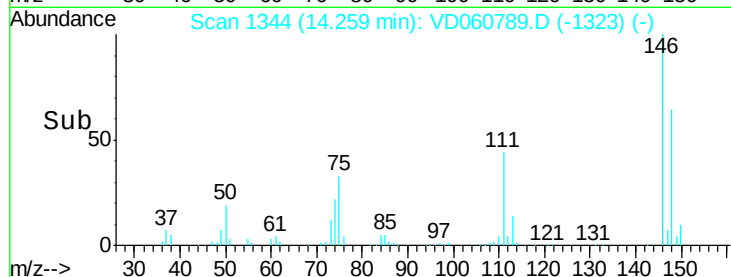
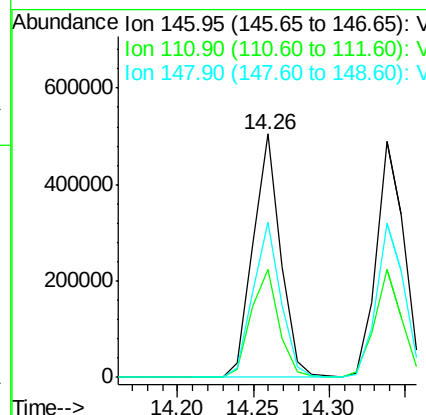
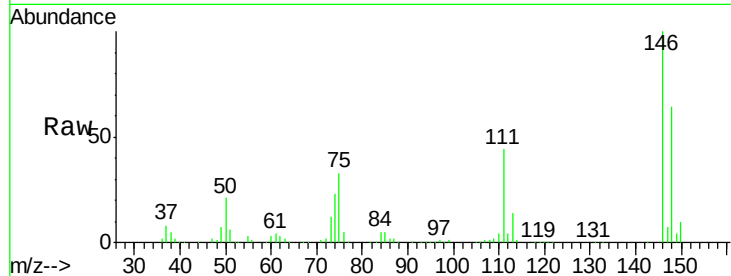
ClientSampleId :

ICVVD012319

Tot Ion:	146	Resp:	639879
Ion Ratio	Lower	Upper	
146	100		
111	44.1	22.9	68.5
148	63.6	31.9	95.5

Manual Integrations
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1/24/2019 12:50:22 PM



#88

1,4-Dichlorobenzene

Concen: 48.464 ug/l

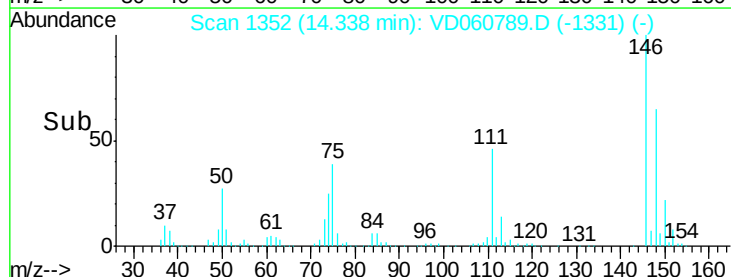
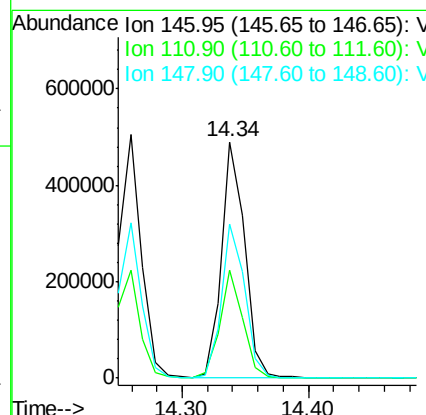
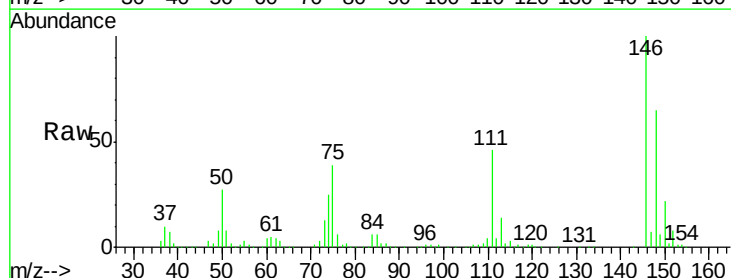
RT: 14.34 min Scan# 1352

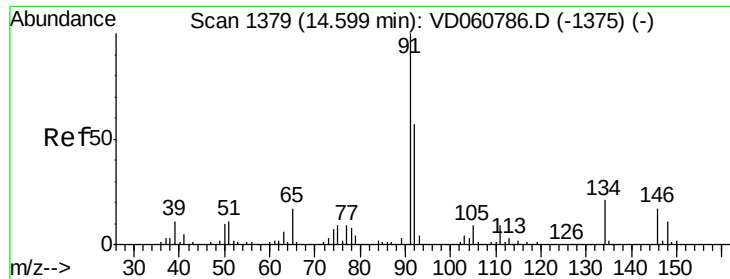
Delta R.T. 0.00 min

Lab File: VD060789.D

Acq: 23 Jan 2019 18:31

Tgt Ion:	146	Resp:	628092
Ion Ratio	Lower	Upper	
146	100		
111	45.5	23.0	69.0
148	65.3	32.3	96.9





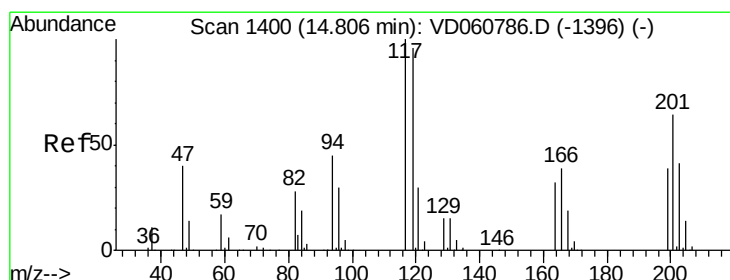
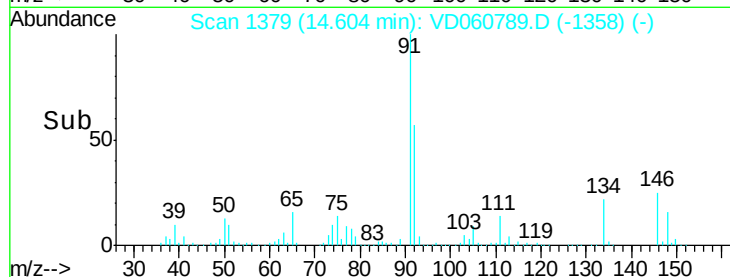
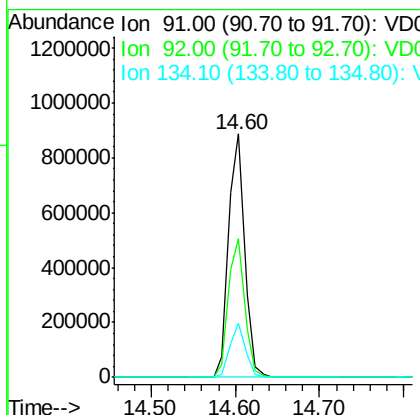
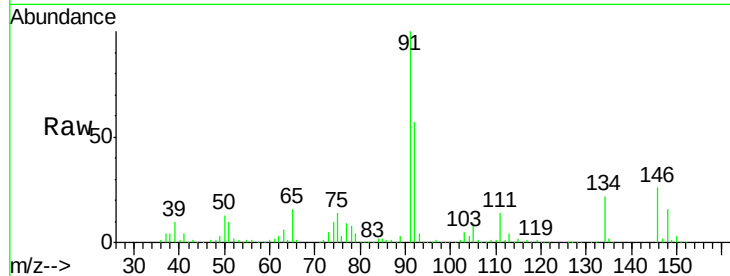
#89
n-Butylbenzene
Concen: 49.103 ug/l
RT: 14.60 min Scan# 1379
Delta R.T. 0.00 min
Lab File: VD060789.D
Acq: 23 Jan 2019 18:31

Instrument :
MSVOA_D
ClientSampleId :
ICVVD012319

Tot Ion: 91 Resp: 1181408
Ion Ratio Lower Upper
91 100
92 57.0 28.6 85.9
134 22.2 10.4 31.1

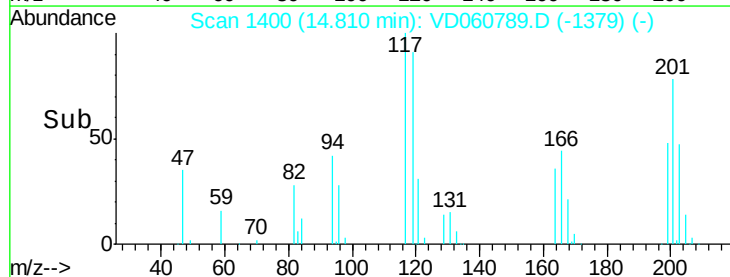
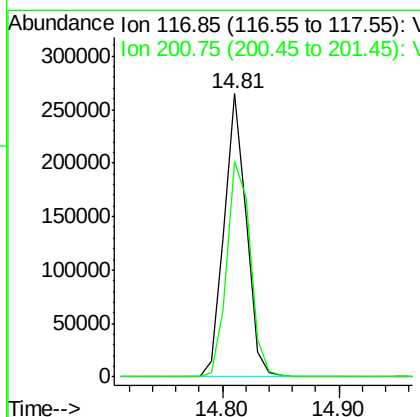
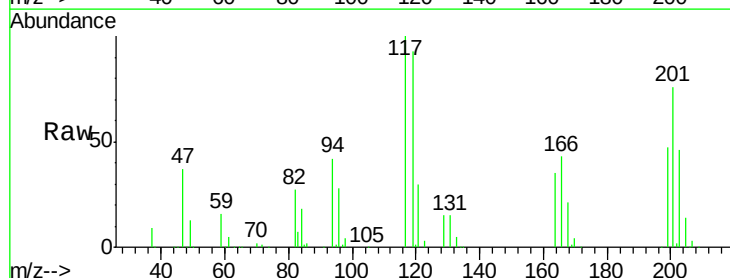
Manual Integrations
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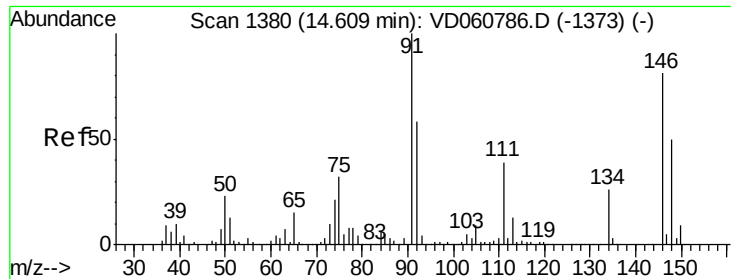
MMDadoda
1/24/2019 12:50:22 PM



#90
Hexachloroethane
Concen: 51.573 ug/l
RT: 14.81 min Scan# 1400
Delta R.T. 0.00 min
Lab File: VD060789.D
Acq: 23 Jan 2019 18:31

Tgt Ion: 117 Resp: 349306
Ion Ratio Lower Upper
117 100
201 76.3 32.1 96.5





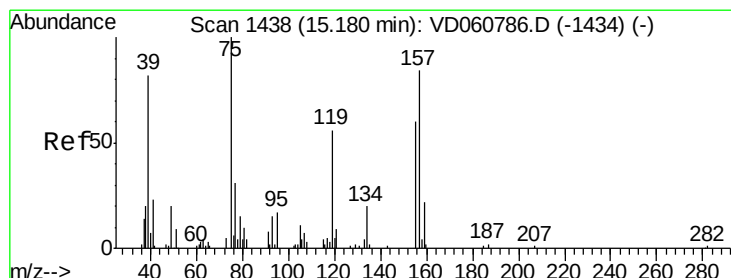
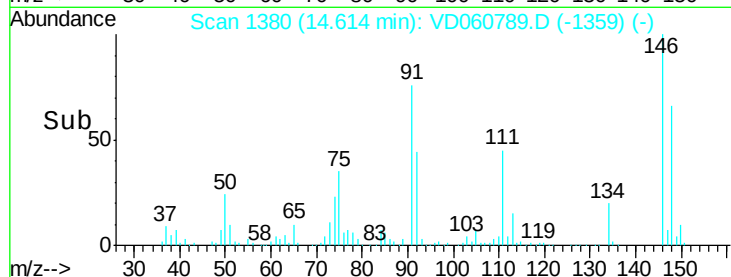
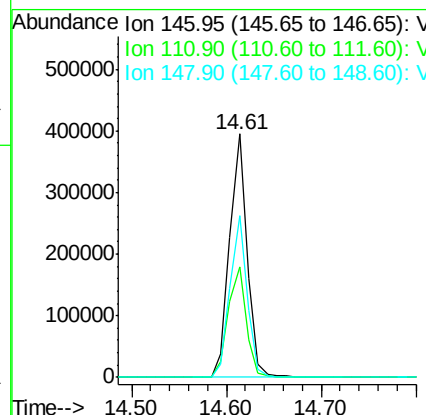
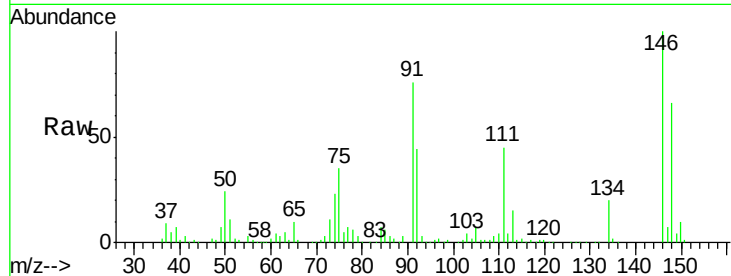
#91
 1,2-Dichlorobenzene
 Concen: 53.090 ug/l
 RT: 14.61 min Scan# 1380
 Delta R.T. 0.01 min
 Lab File: VD060789.D
 Acq: 23 Jan 2019 18:31

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD012319

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.1	23.8	71.2
148	66.2	30.6	92.0

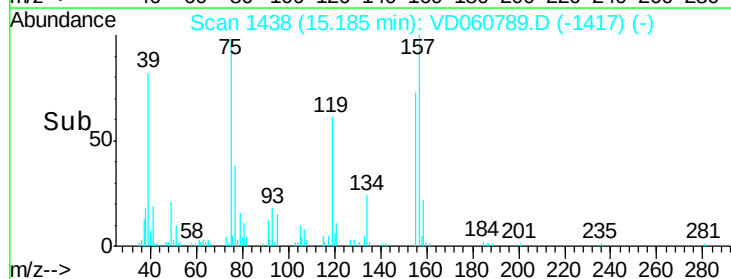
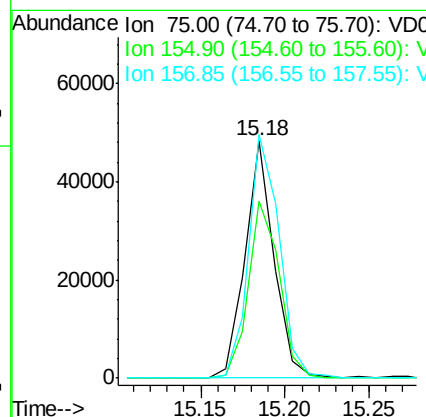
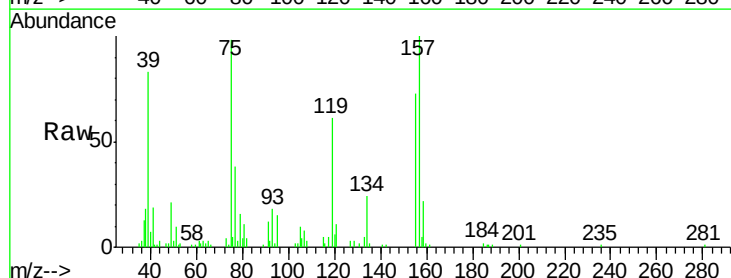
Manual Integrations
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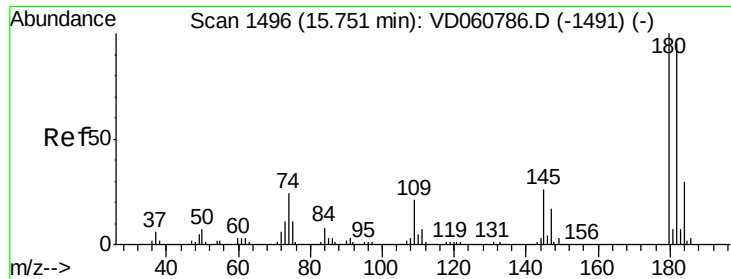
MMDadoda
 1/24/2019 12:50:22 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.659 ug/l
 RT: 15.18 min Scan# 1438
 Delta R.T. 0.00 min
 Lab File: VD060789.D
 Acq: 23 Jan 2019 18:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.6	30.0	90.0
157	102.5	42.1	126.3





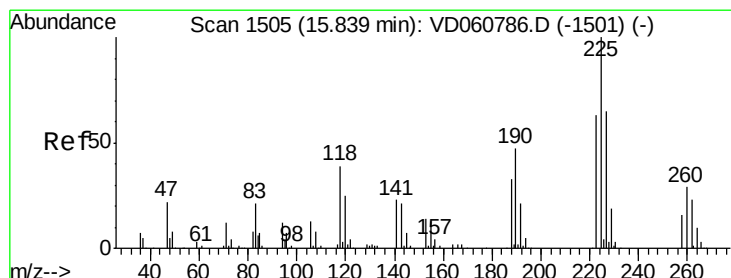
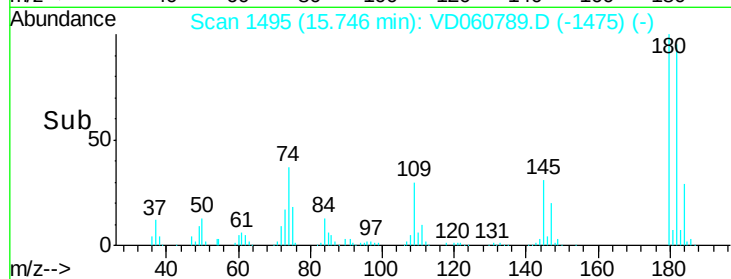
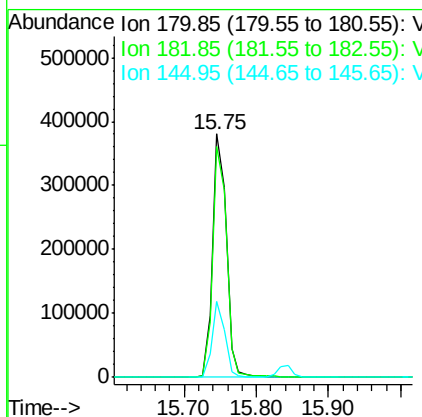
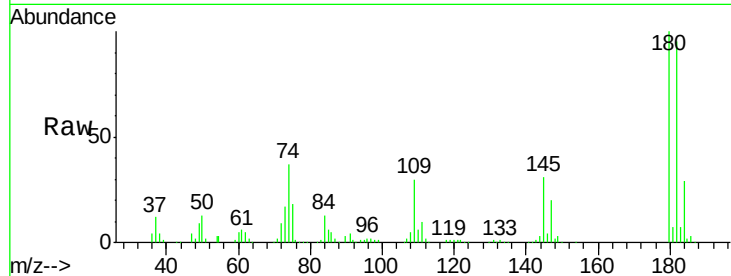
#93
 1,2,4-Trichlorobenzene
 Concen: 51.325 ug/l
 RT: 15.75 min Scan# 1495
 Delta R.T. -0.01 min
 Lab File: VD060789.D
 Acq: 23 Jan 2019 18:31

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD012319

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.3	142.0
145	31.2	13.0	39.0

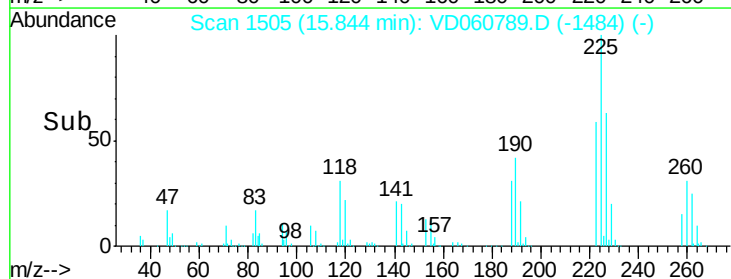
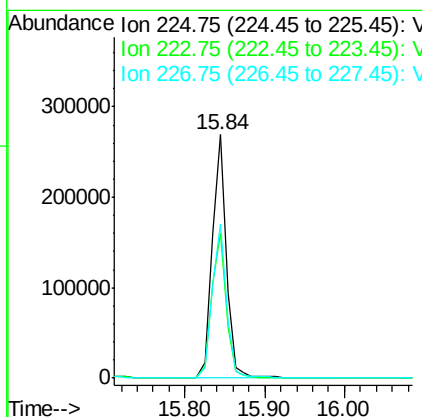
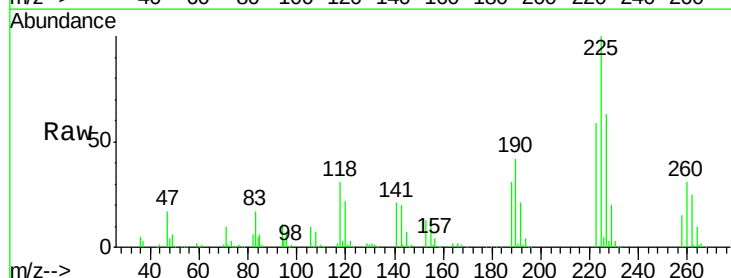
Manual Integrations
 APPROVED

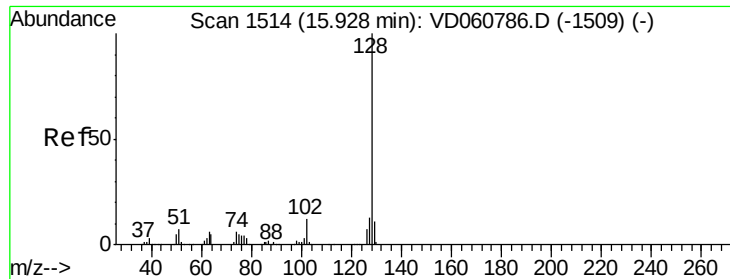
MMDadoda
 1/24/2019 12:50:22 PM



#94
 Hexachlorobutadiene
 Concen: 47.287 ug/l
 RT: 15.84 min Scan# 1505
 Delta R.T. 0.00 min
 Lab File: VD060789.D
 Acq: 23 Jan 2019 18:31

Tgt Ion	Ratio	Lower	Upper
225	100		
223	59.4	31.6	94.8
227	63.4	32.6	97.7





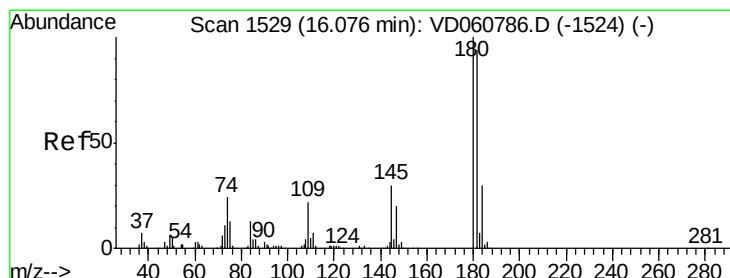
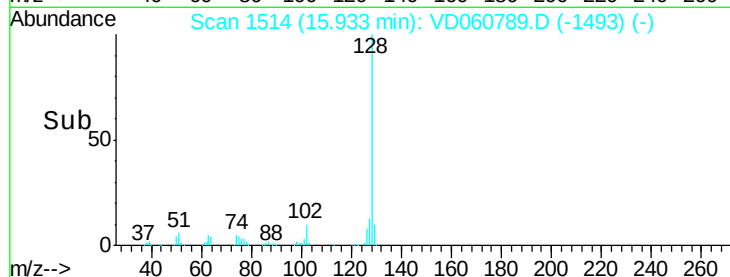
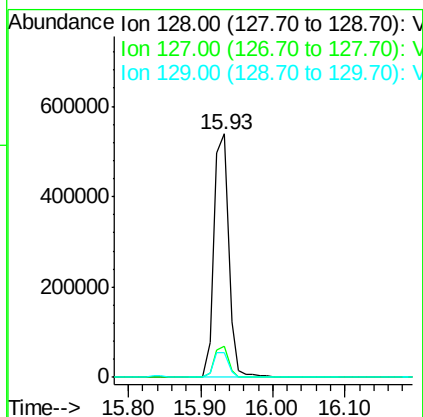
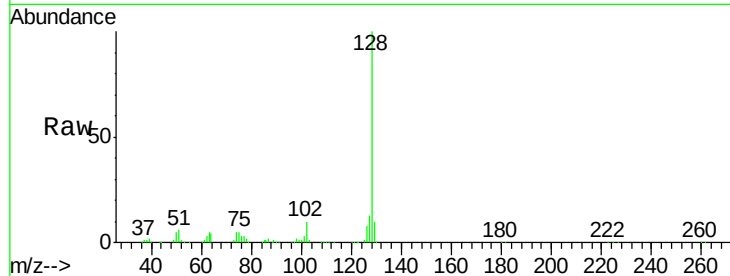
#95
Naphthalene
Concen: 51.069 ug/l
RT: 15.93 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VD060789.D
Acq: 23 Jan 2019 18:31

Instrument :
MSVOA_D
ClientSampleId :
ICVVD012319

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.4	15.6
129	10.1	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
1/24/2019 12:50:22 PM



#96
1,2,3-Trichlorobenzene
Concen: 48.746 ug/l
RT: 16.08 min Scan# 1529
Delta R.T. 0.00 min
Lab File: VD060789.D
Acq: 23 Jan 2019 18:31

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.1	47.0	141.0
145	29.7	14.9	44.5

