

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012319\
 Data File : VD060787.D
 Acq On : 23 Jan 2019 17:34
 Operator : VA/AP
 Sample : VSTDIC075
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Manual Integrations
 APPROVED

MMDadoda
 1/24/2019 12:49:52 PM

Quant Time: Jan 24 06:03:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 24 05:41:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.80	168	645891	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.98	114	889226	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.16	117	705855	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.32	152	354935	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.22	65	592449	69.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	139.44%	
35) Dibromofluoromethane	6.68	113	525326	66.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	133.64%	
50) Toluene-d8	10.18	98	1313431	70.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	141.24%	
62) 4-Bromofluorobenzene	13.35	95	650264	71.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	143.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	631598	77.247	ug/l	95
3) Chloromethane	1.76	50	310949	72.606	ug/l	99
4) Vinyl Chloride	1.85	62	353905	72.976	ug/l	99
5) Bromomethane	2.13	94	94007	66.230	ug/l	97
6) Chloroethane	2.24	64	107880	62.065	ug/l	97
7) Trichlorofluoromethane	2.49	101	656048	70.423	ug/l	96
8) Diethyl Ether	2.80	74	89914	81.609	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.06	101	338930	73.480	ug/l	97
10) Methyl Iodide	3.20	142	374818	75.479	ug/l	99
11) Tert butyl alcohol	3.92	59	175822	357.827	ug/l	99
12) 1,1-Dichloroethene	3.04	96	230306	71.671	ug/l	93
13) Acrolein	2.96	56	64699	352.566	ug/l	99
14) Allyl chloride	3.50	41	540365	79.059	ug/l	99
15) Acrylonitrile	4.04	53	406098	355.196	ug/l	96
16) Acetone	3.13	43	459286	389.176	ug/l	99
17) Carbon Disulfide	3.27	76	805600	75.991	ug/l	98
18) Methyl Acetate	3.52	43	193232	77.800	ug/l	96
19) Methyl tert-butyl Ether	4.08	73	1095119	71.938	ug/l	99
20) Methylene Chloride	3.68	84	444454	71.264	ug/l	98
21) trans-1,2-Dichloroethene	4.05	96	431679	70.441	ug/l	94
22) Diisopropyl ether	4.89	45	1553406	74.016	ug/l	97
23) Vinyl Acetate	4.83	43	4291515	357.344	ug/l	100
24) 1,1-Dichloroethane	4.77	63	968927	76.429	ug/l	98
25) 2-Butanone	5.84	43	669689	361.806	ug/l	95
26) 2,2-Dichloropropane	5.78	77	926786	73.774	ug/l	98
27) cis-1,2-Dichloroethene	5.80	96	471382	74.436	ug/l	93
28) Bromochloromethane	6.20	49	364499	70.846	ug/l	88
29) Tetrahydrofuran	6.23	42	329388	369.404	ug/l	98
30) Chloroform	6.41	83	1078241	72.782	ug/l	98
31) Cyclohexane	6.72	56	645617	69.145	ug/l	98
32) 1,1,1-Trichloroethane	6.63	97	1001546	71.831	ug/l	98
36) 1,1-Dichloropropene	6.91	75	731980	71.540	ug/l	99
37) Ethyl Acetate	5.94	43	332994	78.307	ug/l	97
38) Carbon Tetrachloride	6.88	117	860919	68.274	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.63	83	643694	70.567	ug/l	99
40) Benzene	7.22	78	1516011	72.668	ug/l	99
41) Methacrylonitrile	6.21	41	219481m	69.110	ug/l	
42) 1,2-Dichloroethane	7.34	62	802196	70.877	ug/l	94
43) Isopropyl Acetate	9.00	43	484622	74.198	ug/l #	100
44) Trichloroethene	8.30	130	530211	71.644	ug/l	97
45) 1,2-Dichloropropane	8.71	63	405741	74.948	ug/l	97
46) Dibromomethane	8.82	93	316450	71.460	ug/l	94
47) Bromodichloromethane	9.14	83	840185	77.021	ug/l	97
48) Methyl methacrylate	8.88	41	326433	74.065	ug/l	97
49) 1,4-Dioxane	8.85	88	56142	1508.955	ug/l	89
51) 4-Methyl-2-Pentanone	10.08	43	1484697	345.565	ug/l	99
52) Toluene	10.28	92	870104	66.643	ug/l	100
53) t-1,3-Dichloropropene	10.70	75	740353	69.357	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	791739	78.083	ug/l	98
55) 1,1,2-Trichloroethane	10.97	97	330027	71.247	ug/l	94
56) Ethyl methacrylate	10.82	69	392825	73.078	ug/l	91
57) 1,3-Dichloropropane	11.19	76	590592	72.780	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.63	63	1001559	329.774	ug/l	96
59) 2-Hexanone	11.32	43	1150124	362.804	ug/l	97
60) Dibromochloromethane	11.47	129	565727	77.034	ug/l	98
61) 1,2-Dibromoethane	11.59	107	425308	80.959	ug/l	94
64) Tetrachloroethene	11.04	164	483770	78.249	ug/l	98
65) Chlorobenzene	12.19	112	1076808	76.105	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.30	131	459316	72.936	ug/l	99
67) Ethyl Benzene	12.32	91	1885999	71.534	ug/l	100
68) m/p-Xylenes	12.47	106	1194928	138.298	ug/l	100
69) o-Xylene	12.84	106	588940	72.572	ug/l	95
70) Styrene	12.87	104	979131	68.509	ug/l	99
71) Bromoform	13.03	173	385127	82.850	ug/l #	96
73) Isopropylbenzene	13.21	105	1944937	74.619	ug/l	99
74) N-amyl acetate	13.07	43	660514	79.995	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.50	83	388599	80.239	ug/l	99
76) 1,2,3-Trichloropropane	13.53	75	473484	80.443	ug/l	95
77) Bromobenzene	13.47	156	544619	77.258	ug/l	94
78) n-propylbenzene	13.57	91	2289098	70.077	ug/l	96
79) 2-Chlorotoluene	13.64	91	1399732	73.872	ug/l	99
80) 1,3,5-Trimethylbenzene	14.04	105	1611600	72.229	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.27	75	123607	76.041	ug/l	97
82) 4-Chlorotoluene	13.75	91	1654756	75.411	ug/l	99
83) tert-Butylbenzene	13.99	119	1695730	73.881	ug/l	95
84) 1,2,4-Trimethylbenzene	14.04	105	1611600	72.229	ug/l	100
85) sec-Butylbenzene	14.17	105	1991732	71.248	ug/l	100
86) p-Isopropyltoluene	14.30	119	1585239	68.918	ug/l	99
87) 1,3-Dichlorobenzene	14.26	146	844993	72.124	ug/l	98
88) 1,4-Dichlorobenzene	14.34	146	888137	74.055	ug/l	99
89) n-Butylbenzene	14.60	91	1456894	67.369	ug/l	96
90) Hexachloroethane	14.81	117	487061	72.066	ug/l	86
91) 1,2-Dichlorobenzene	14.61	146	644798	66.569	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.18	75	92113	77.776	ug/l	87

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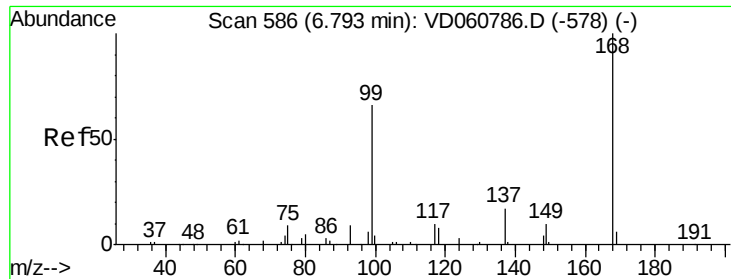
Manual Integrations
APPROVED

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012319S.M
Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.75	180	683819	77.633	ug/l	95
94) Hexachlorobutadiene	15.84	225	468715	70.433	ug/l	98
95) Naphthalene	15.93	128	1004886	74.853	ug/l	100
96) 1,2,3-Trichlorobenzene	16.08	180	593323	78.705	ug/l	96

(#) = 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: VD060787.D

Acq: 23 Jan 2019 17:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion:168 Resp: 645891

Ion Ratio Lower Upper

168 100

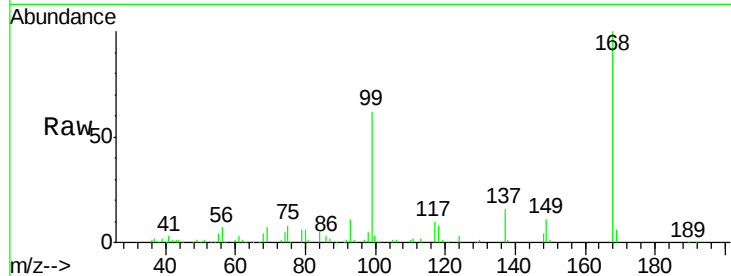
99 61.8 54.6 81.8

Manual Integrations

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1/24/2019 12:49:52 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.80

250000

200000

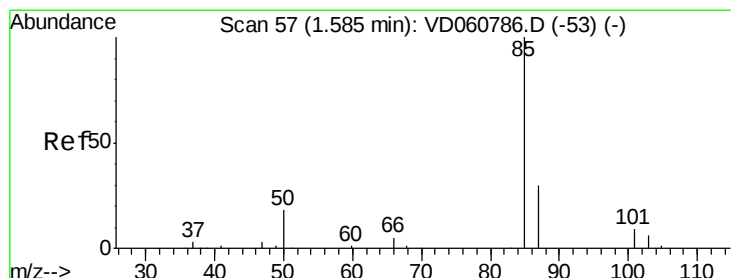
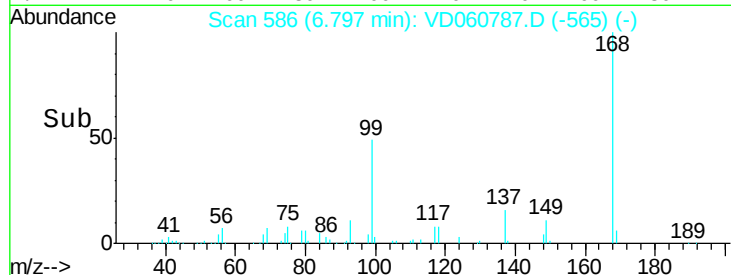
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 77.247 ug/l

RT: 1.58 min Scan# 56

Delta R.T. -0.01 min

Lab File: VD060787.D

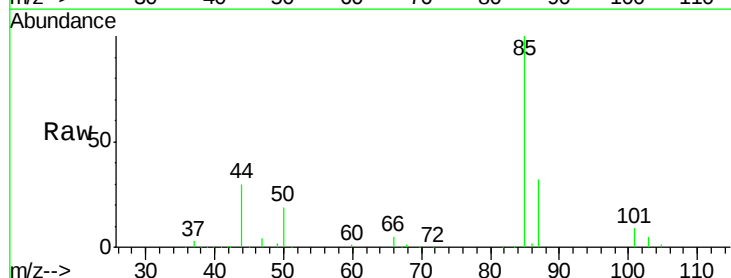
Acq: 23 Jan 2019 17:34

Tgt Ion: 85 Resp: 631598

Ion Ratio Lower Upper

85 100

87 32.4 14.9 44.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

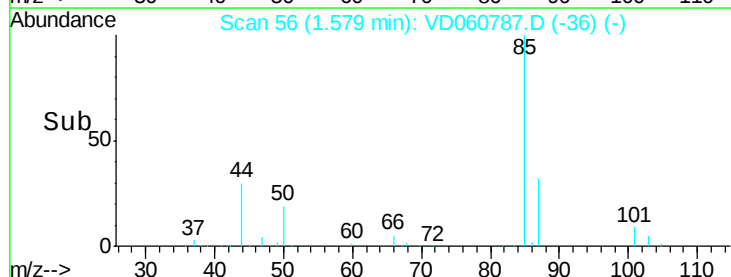
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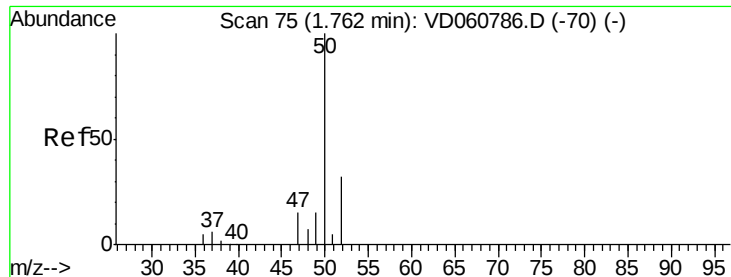
100000

50000

0

Time-->





#3

Chloromethane

Concen: 72.606 ug/l

RT: 1.76 min Scan# 74

Delta R.T. -0.01 min

Lab File: VD060787.D

Acq: 23 Jan 2019 17:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 50 Resp: 310949

Ion Ratio Lower Upper

50 100

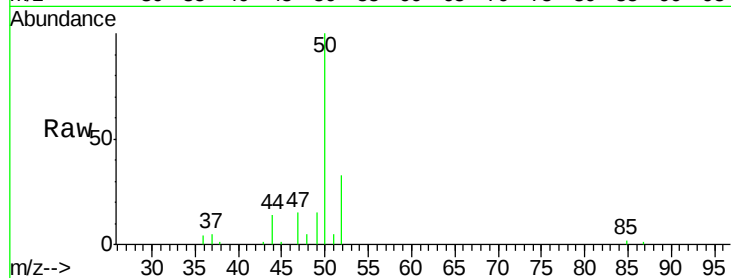
52 32.9 25.8 38.6

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.76

80000

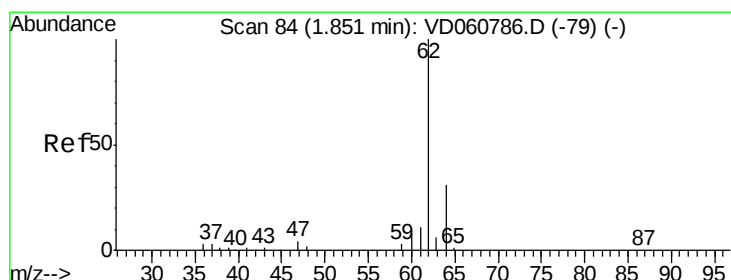
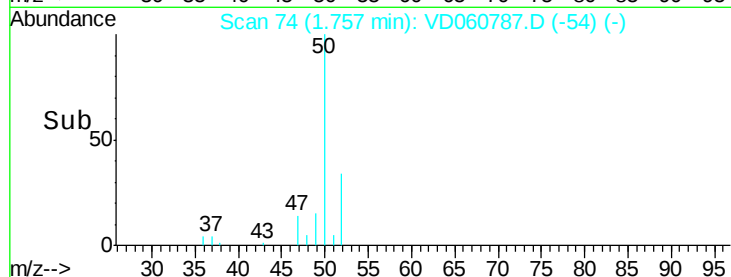
60000

40000

20000

0

Time--> 1.60 1.70 1.80 1.90 2.00



#4

Vinyl Chloride

Concen: 72.976 ug/l

RT: 1.85 min Scan# 83

Delta R.T. -0.01 min

Lab File: VD060787.D

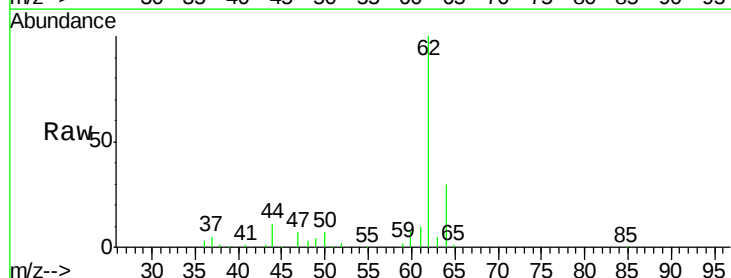
Acq: 23 Jan 2019 17:34

Tgt Ion: 62 Resp: 353905

Ion Ratio Lower Upper

62 100

64 30.0 24.6 37.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

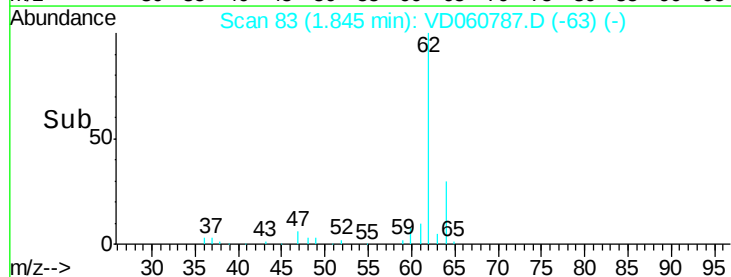
1.85

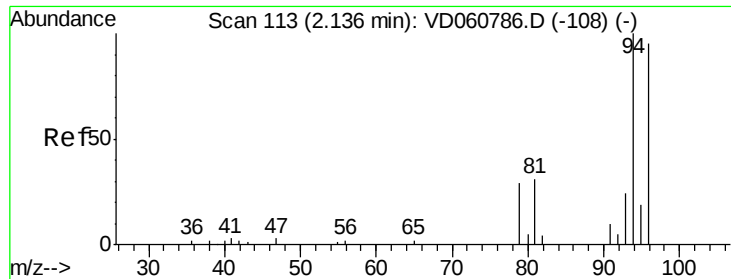
100000

50000

0

Time--> 1.70 1.80 1.90 2.00





#5

Bromomethane

Concen: 66.230 ug/l

RT: 2.13 min Scan# 112

Delta R.T. -0.01 min

Lab File: VD060787.D

Acq: 23 Jan 2019 17:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 94 Resp: 94007

Ion Ratio Lower Upper

94 100

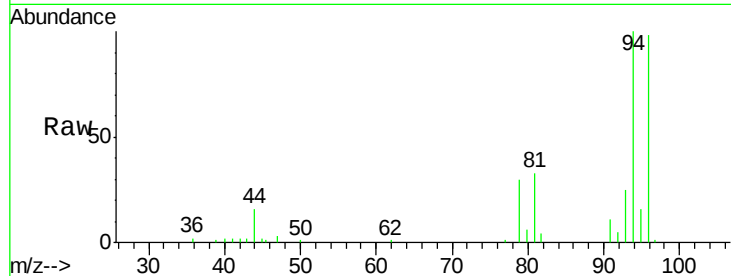
96 98.0 75.9 113.9

Manual Integrations

APPROVED

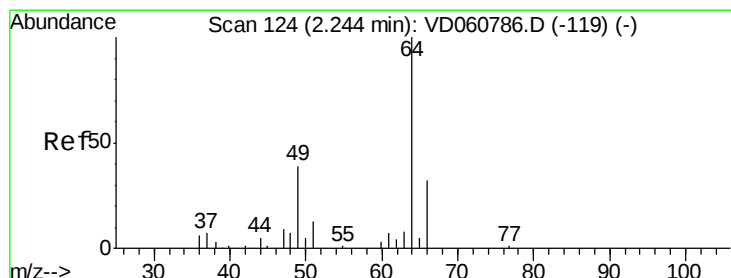
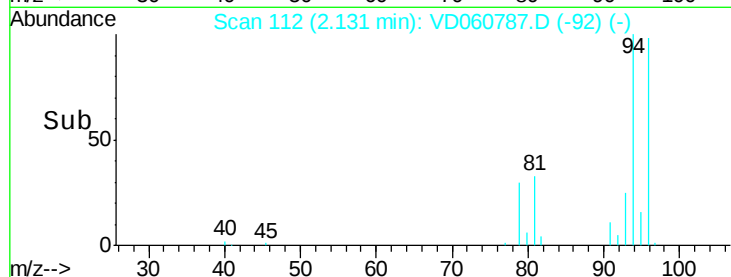
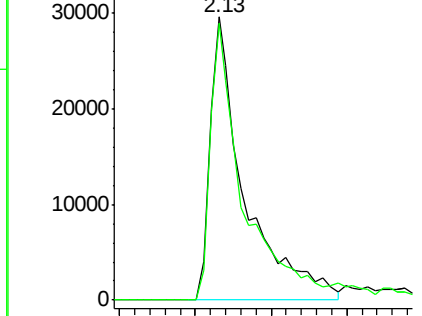
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1/24/2019 12:49:52 PM



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 62.065 ug/l

RT: 2.24 min Scan# 123

Delta R.T. -0.01 min

Lab File: VD060787.D

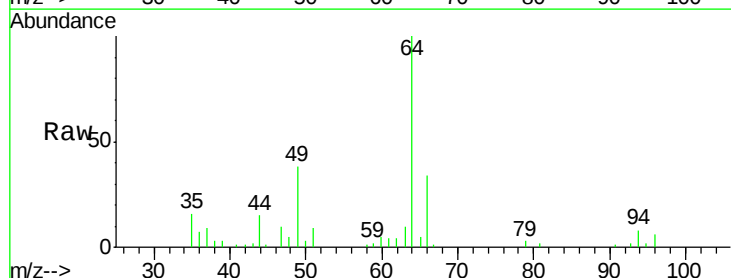
Acq: 23 Jan 2019 17:34

Tgt Ion: 64 Resp: 107880

Ion Ratio Lower Upper

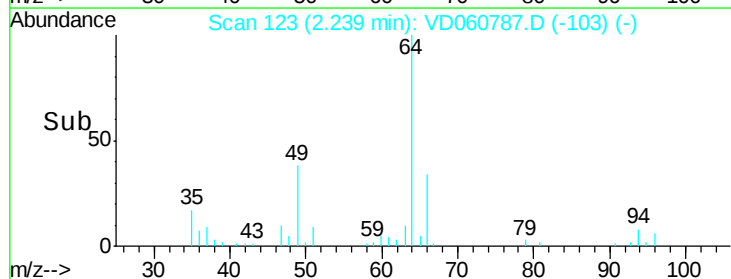
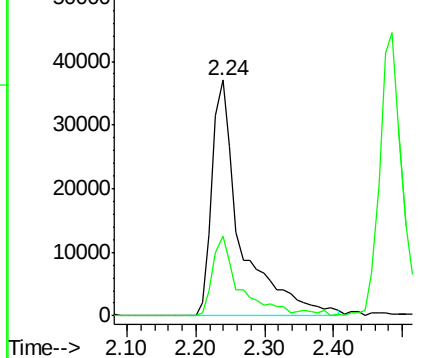
64 100

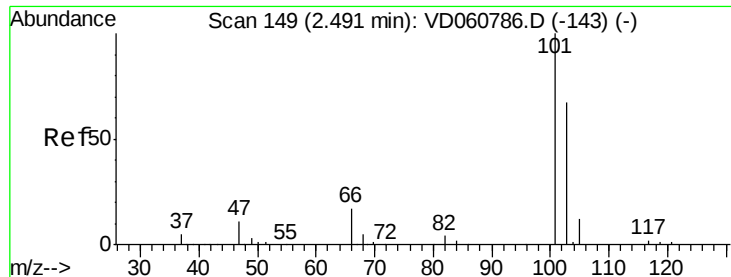
66 33.7 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

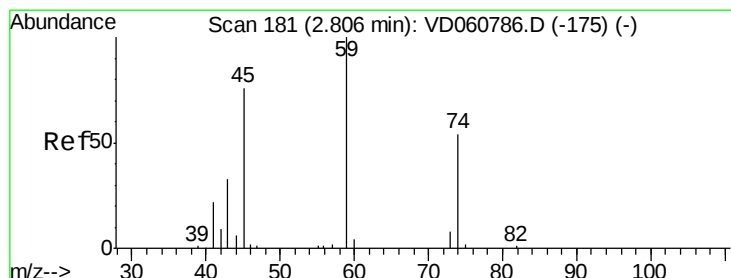
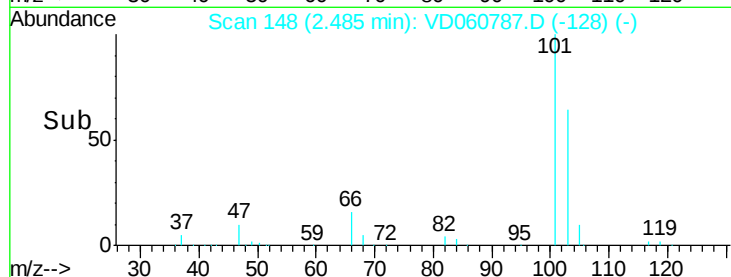
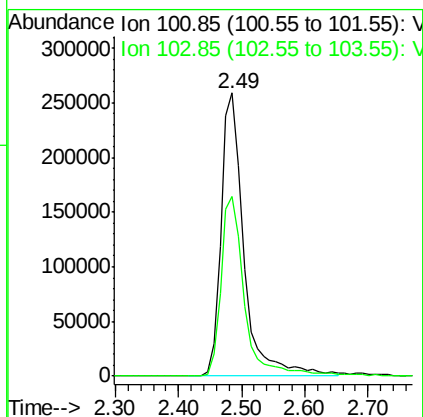
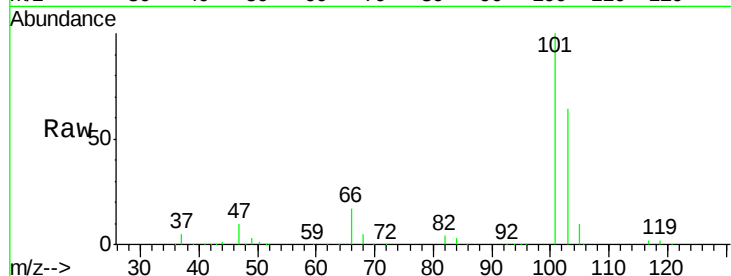
Trichlorofluoromethane
Concen: 70.423 ug/l
RT: 2.49 min Scan# 148
Delta R.T. -0.01 min
Lab File: VD060787.D
Acq: 23 Jan 2019 17:34

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MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 101 Resp: 656048
Ion Ratio Lower Upper
101 100
103 63.7 53.6 80.4

Manual Integrations
APPROVED

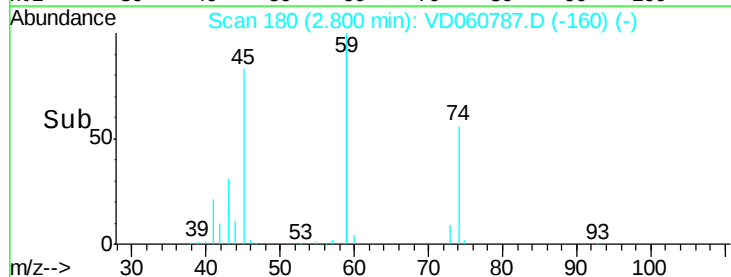
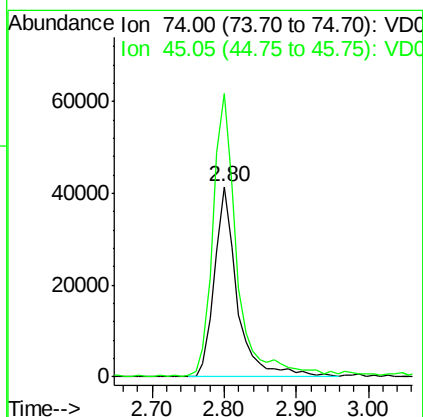
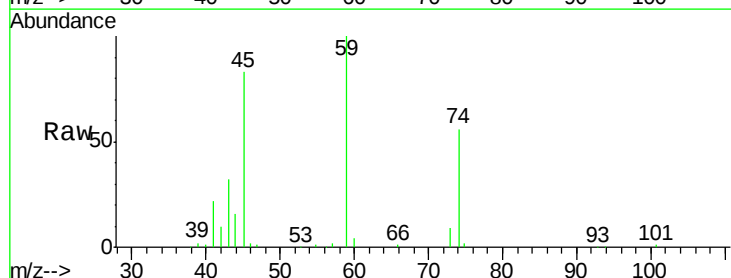
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1/24/2019 12:49:52 PM

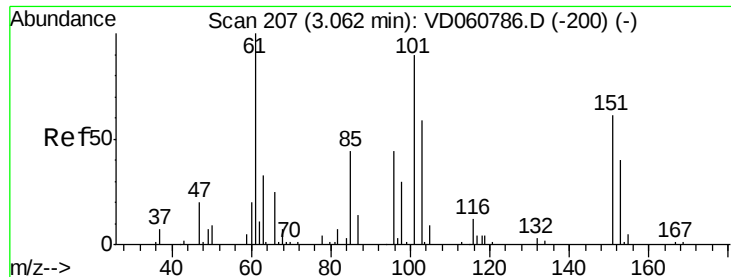


#8

Diethyl Ether
Concen: 81.609 ug/l
RT: 2.80 min Scan# 180
Delta R.T. -0.01 min
Lab File: VD060787.D
Acq: 23 Jan 2019 17:34

Tgt Ion: 74 Resp: 89914
Ion Ratio Lower Upper
74 100
45 148.9 70.5 211.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 73.480 ug/l

RT: 3.06 min Scan# 206

Delta R.T. -0.01 min

Lab File: VD060787.D

Acq: 23 Jan 2019 17:34

Instrument :

MSVOA_D

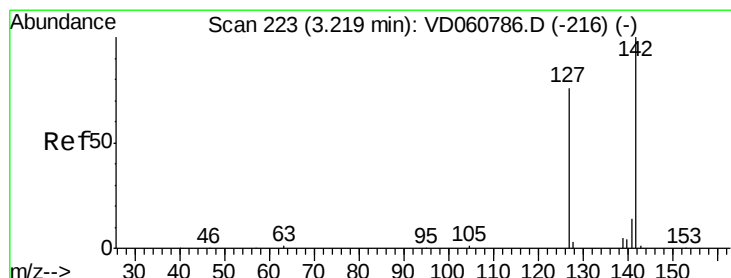
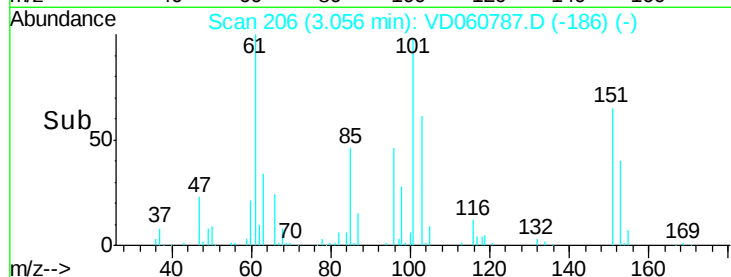
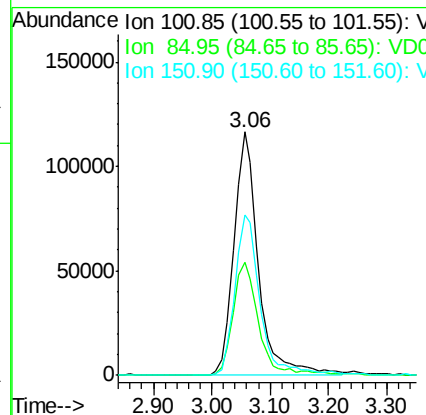
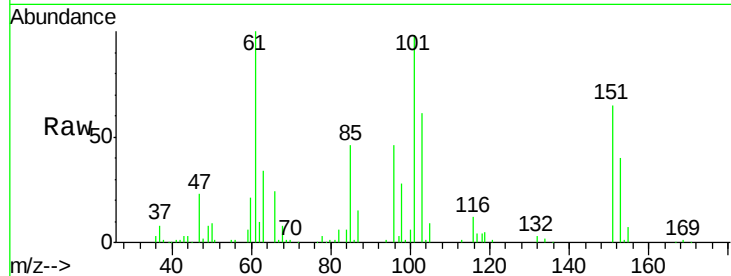
ClientSampleId :

VSTDIC075

Tot Ion:	101	Resp:	338930
Ion Ratio	Lower	Upper	
101	100		
85	46.5	39.0	58.4
151	65.7	54.5	81.7

Manual Integrations
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#10

Methyl Iodide

Concen: 75.479 ug/l

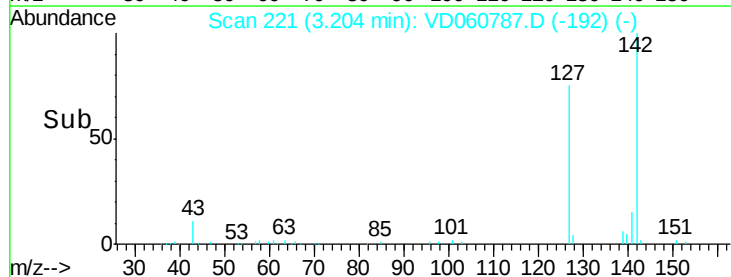
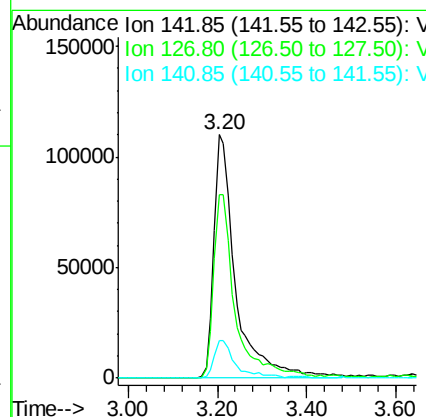
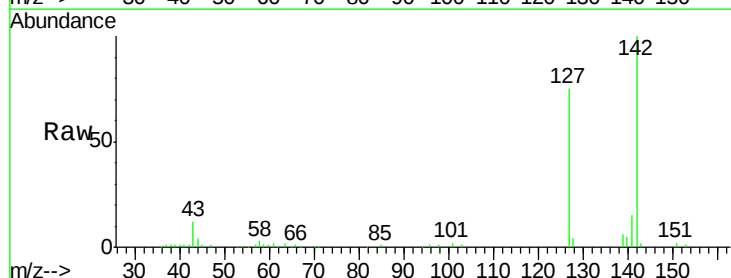
RT: 3.20 min Scan# 221

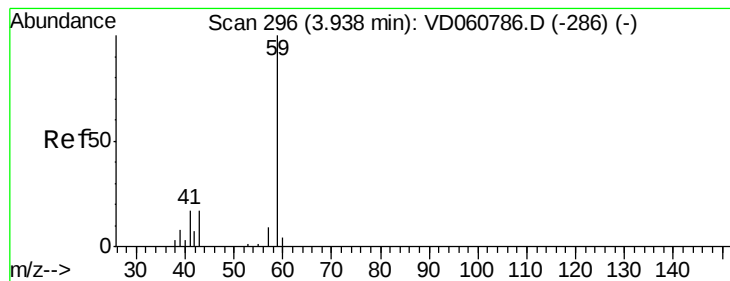
Delta R.T. -0.02 min

Lab File: VD060787.D

Acq: 23 Jan 2019 17:34

Tgt Ion:	142	Resp:	374818
Ion Ratio	Lower	Upper	
142	100		
127	75.2	61.0	91.6
141	15.4	11.5	17.3





#11

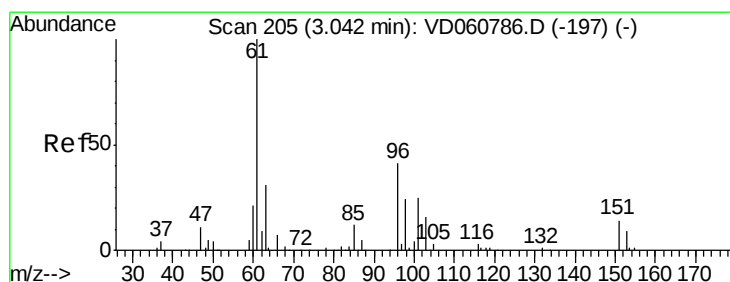
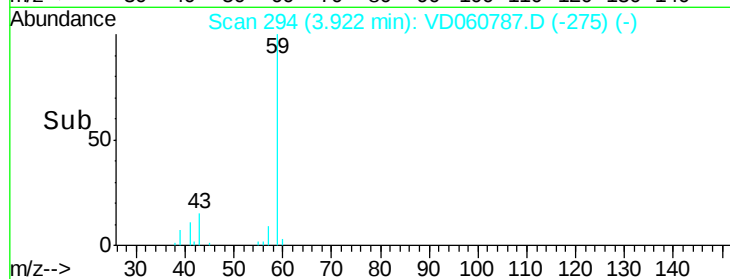
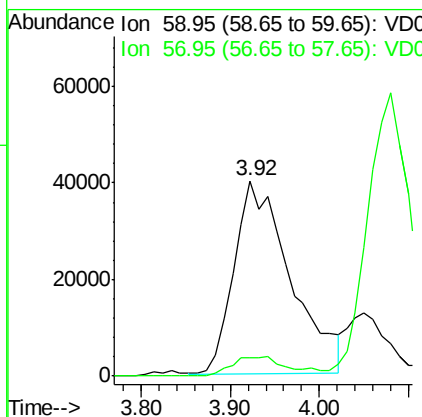
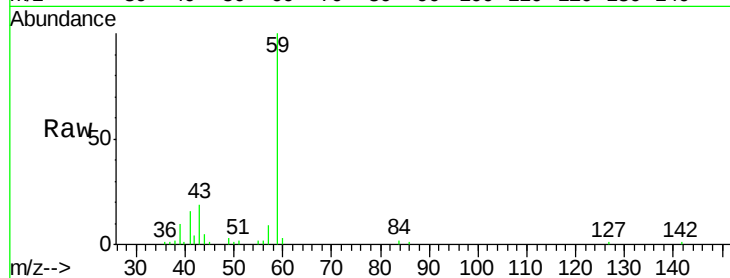
Tert butyl alcohol
Concen: 357.827 ug/l
RT: 3.92 min Scan# 294
Delta R.T. -0.02 min
Lab File: VD060787.D
Acq: 23 Jan 2019 17:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.1	7.0	10.6

Manual Integrations
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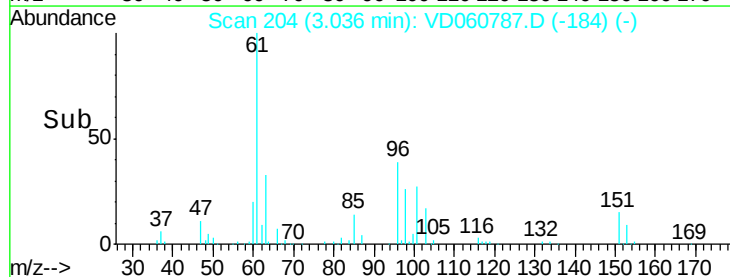
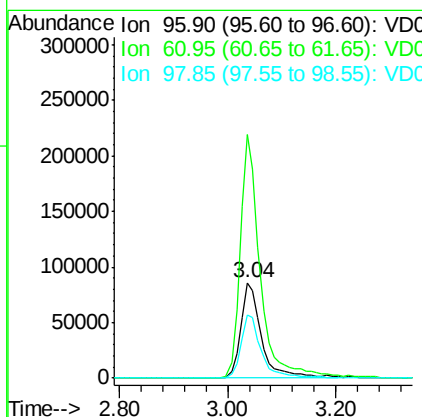
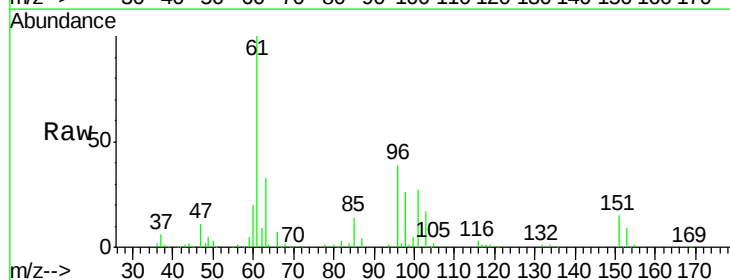
MMDadoda
1/24/2019 12:49:52 PM

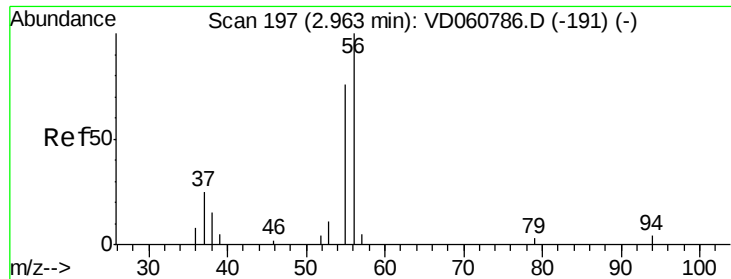


#12

1,1-Dichloroethene
Concen: 71.671 ug/l
RT: 3.04 min Scan# 204
Delta R.T. -0.01 min
Lab File: VD060787.D
Acq: 23 Jan 2019 17:34

Tgt Ion	Ratio	Lower	Upper
96	100		
61	255.9	196.9	295.3
98	65.8	46.6	69.8





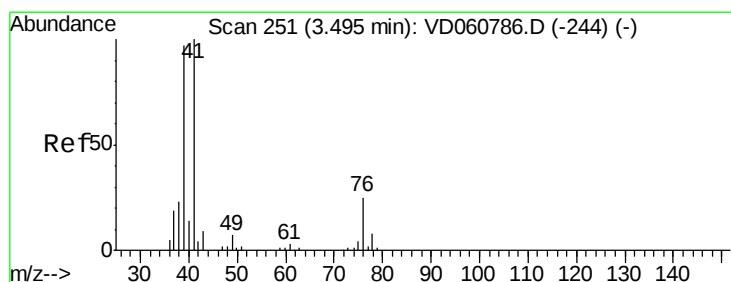
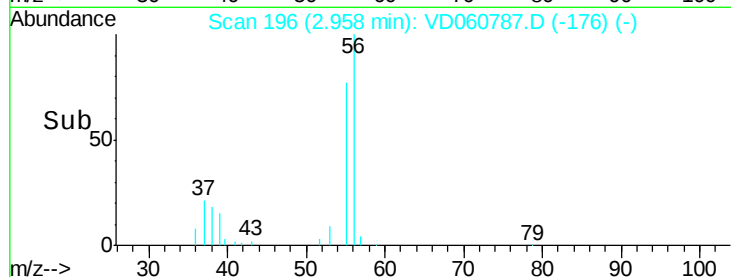
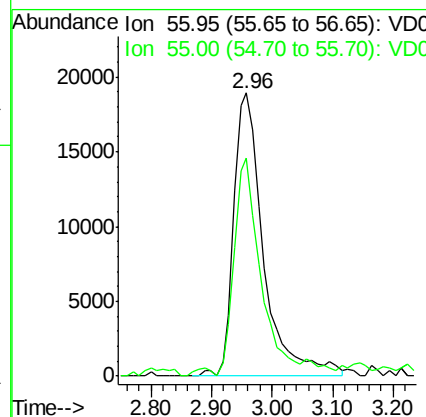
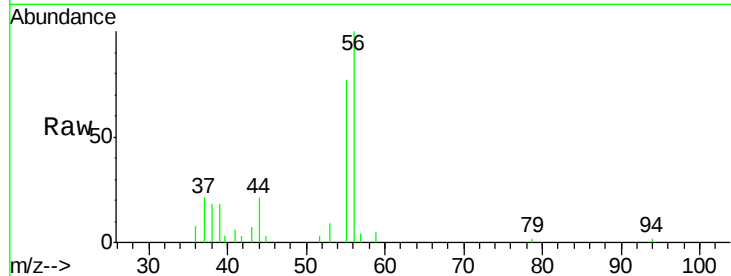
#13
Acrolein
Concen: 352.566 ug/l
RT: 2.96 min Scan# 196
Delta R.T. -0.01 min
Lab File: VD060787.D
Acq: 23 Jan 2019 17:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
56	100		
55	77.3	62.2	93.4

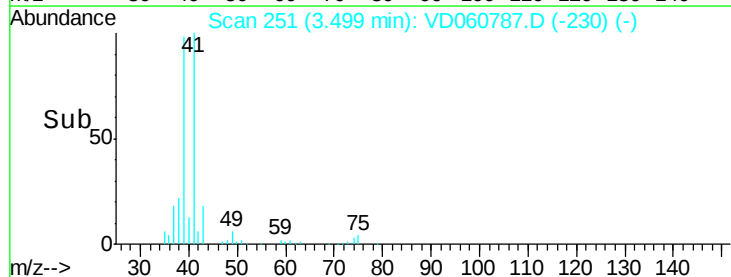
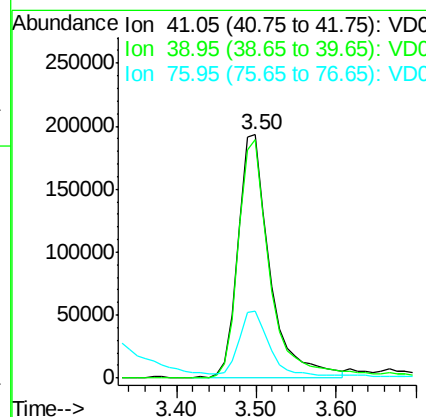
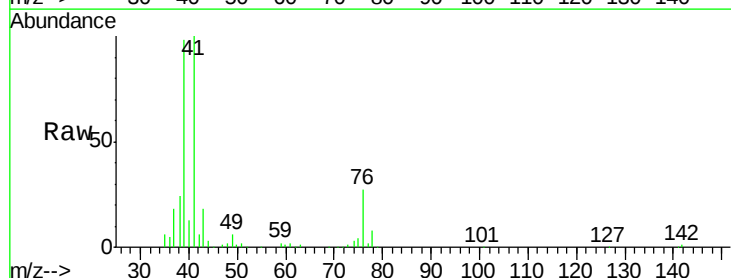
Manual Integrations
APPROVED

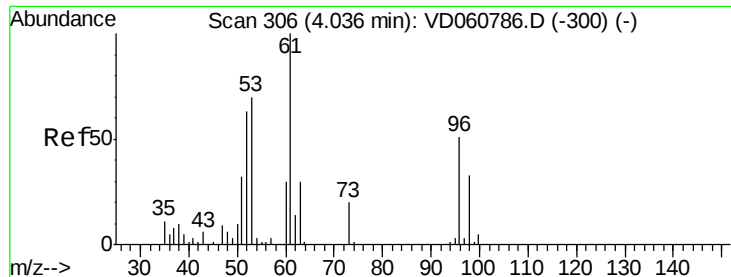
MMDadoda
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#14
Allyl chloride
Concen: 79.059 ug/l
RT: 3.50 min Scan# 251
Delta R.T. 0.00 min
Lab File: VD060787.D
Acq: 23 Jan 2019 17:34

Tgt Ion	Ratio	Lower	Upper
41	100		
39	98.1	77.7	116.5
76	27.4	21.8	32.8





#15

Acrylonitrile

Concen: 355.196 ug/l

RT: 4.04 min Scan# 306

Delta R.T. 0.00 min

Lab File: VD060787.D

Acq: 23 Jan 2019 17:34

Instrument :

MSVOA_D

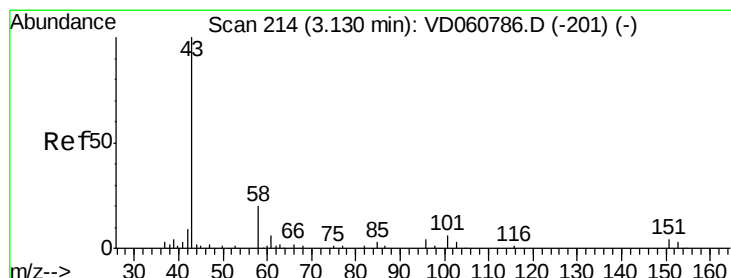
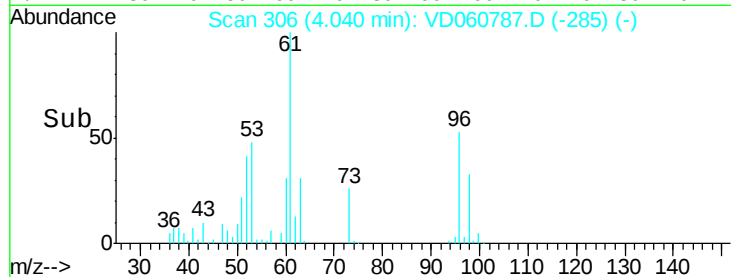
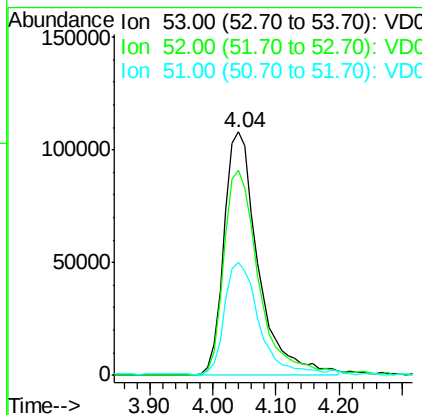
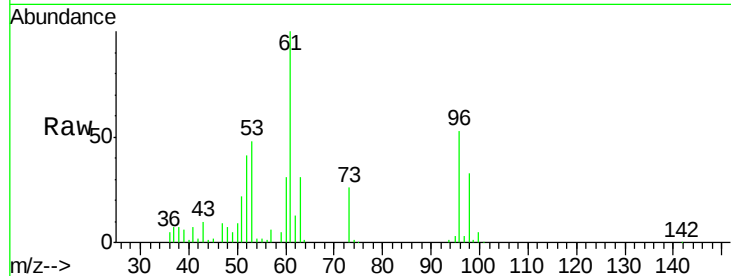
ClientSampleId :

VSTDIC075

Tot Ion:	53	Resp:	406098
Ion	Ratio	Lower	Upper
53	100		
52	84.4	71.6	107.4
51	46.5	36.0	54.0

Manual Integrations
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#16

Acetone

Concen: 389.176 ug/l

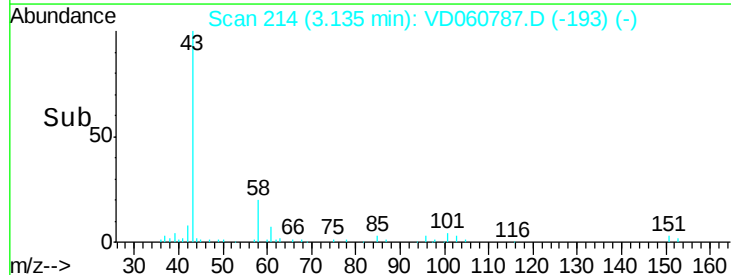
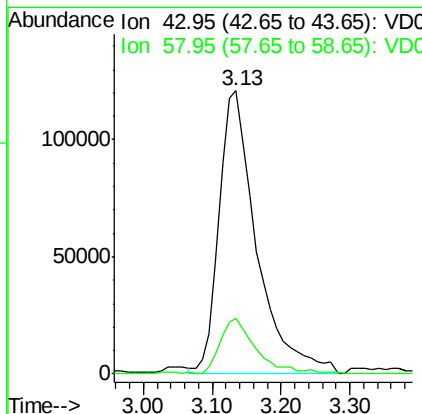
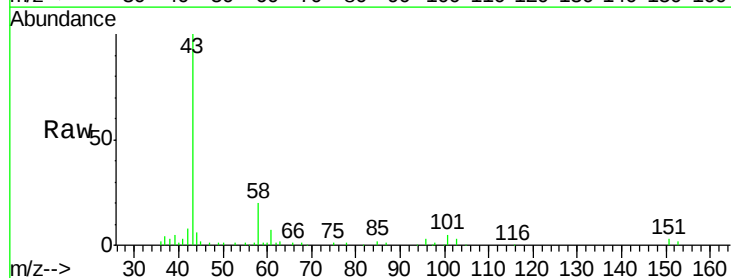
RT: 3.13 min Scan# 214

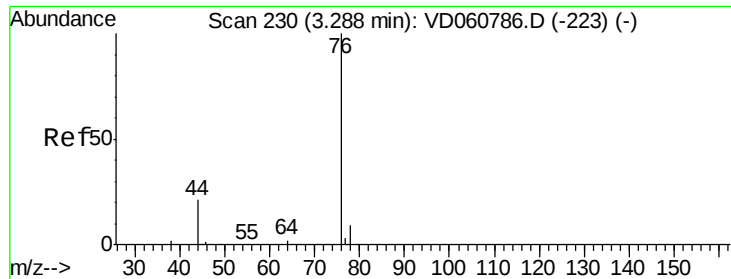
Delta R.T. 0.00 min

Lab File: VD060787.D

Acq: 23 Jan 2019 17:34

Tgt Ion:	43	Resp:	459286
Ion	Ratio	Lower	Upper
43	100		
58	19.6	16.0	24.0





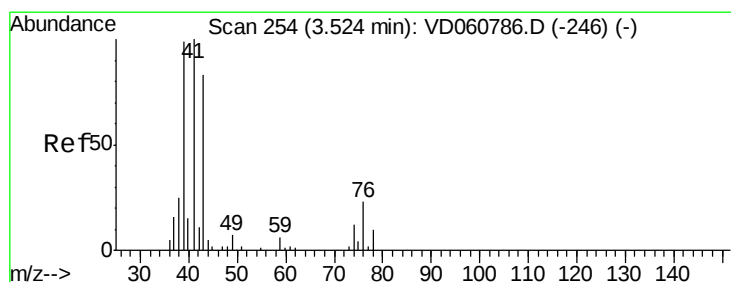
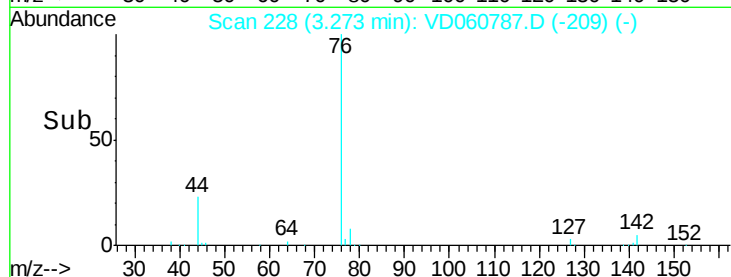
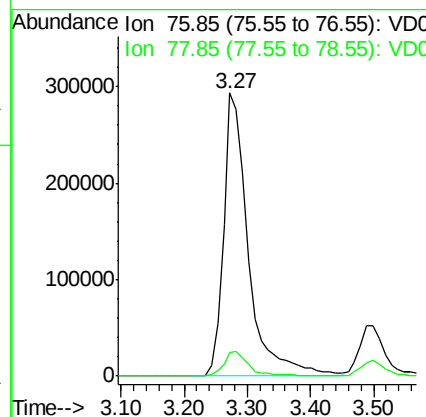
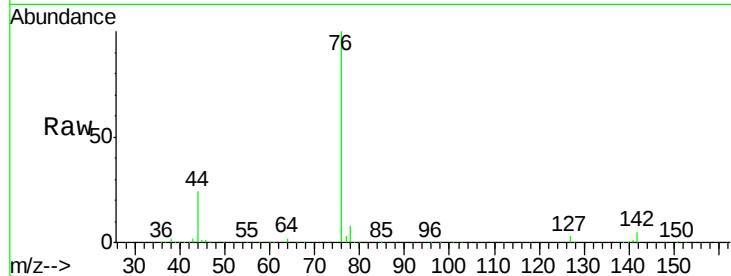
#17
Carbon Disulfide
Concen: 75.991 ug/l
RT: 3.27 min Scan# 228
Delta R.T. -0.02 min
Lab File: VD060787.D
Acq: 23 Jan 2019 17:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.4	11.0

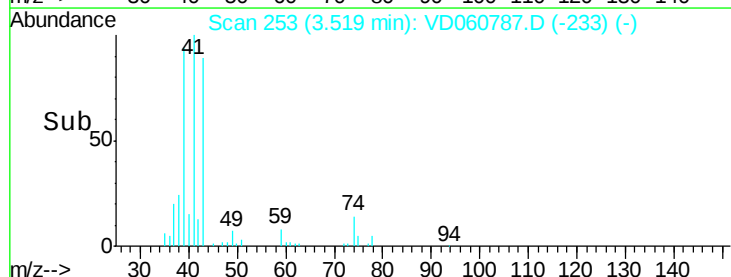
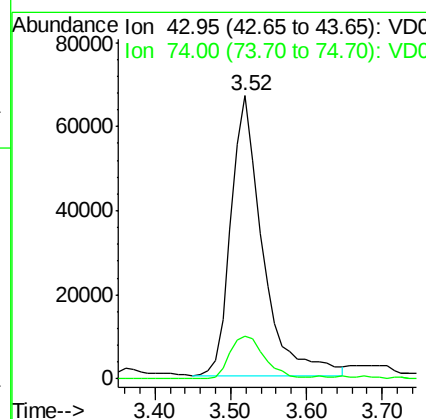
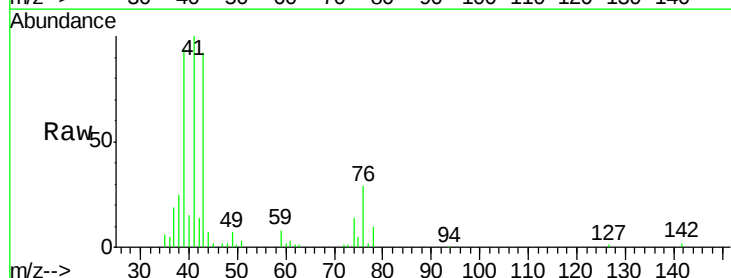
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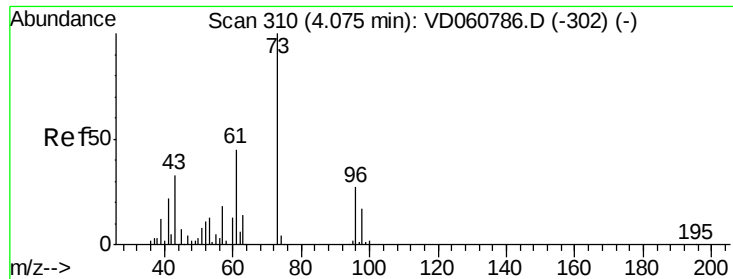
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#18
Methyl Acetate
Concen: 77.800 ug/l
RT: 3.52 min Scan# 253
Delta R.T. -0.01 min
Lab File: VD060787.D
Acq: 23 Jan 2019 17:34

Tgt Ion	Ratio	Lower	Upper
43	100		
74	15.2	10.8	16.2





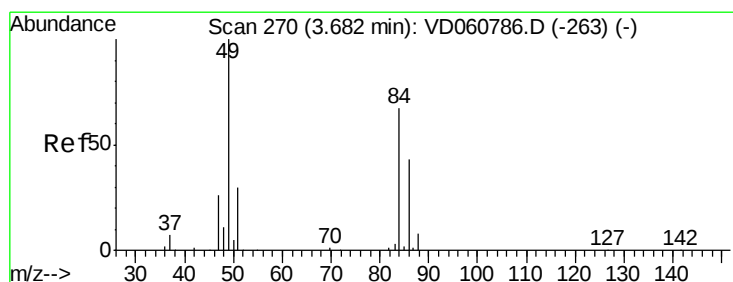
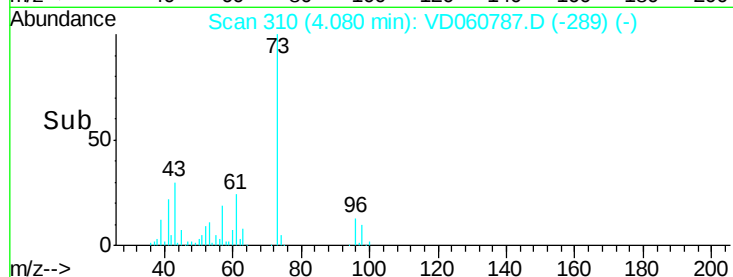
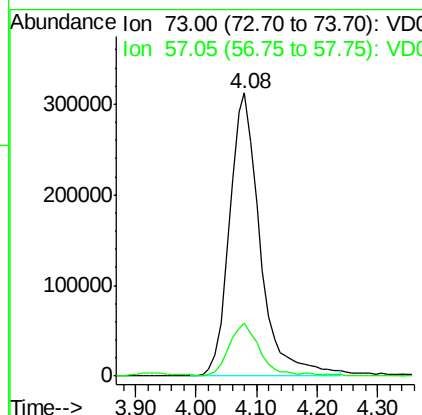
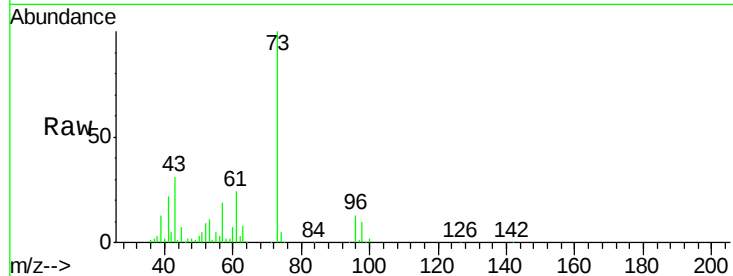
#19
Methyl tert-butyl Ether
Concen: 71.938 ug/l
RT: 4.08 min Scan# 310
Delta R.T. 0.00 min
Lab File: VD060787.D
Acq: 23 Jan 2019 17:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 73 Resp: 1095119
Ion Ratio Lower Upper
73 100
57 18.8 14.7 22.1

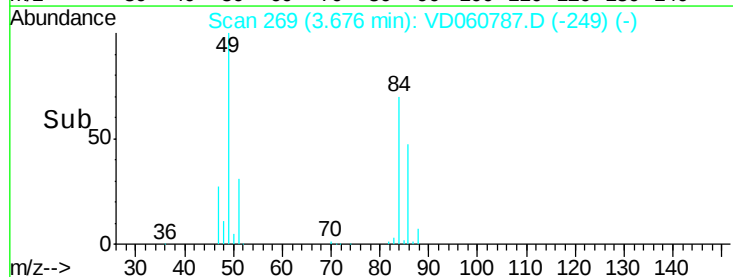
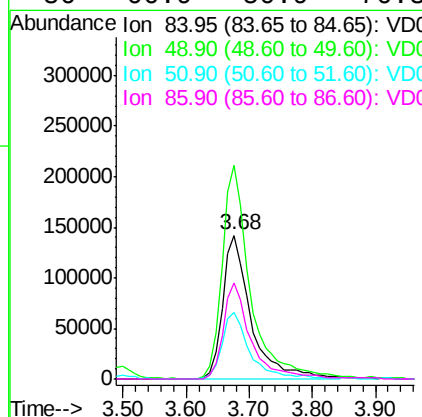
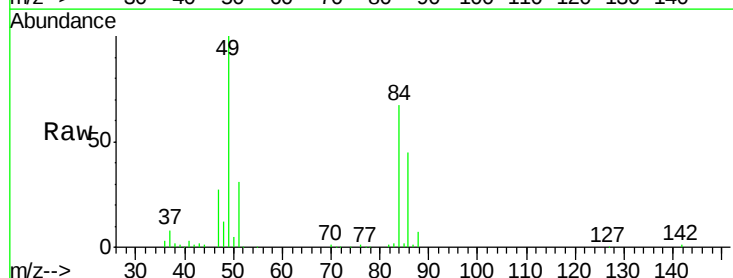
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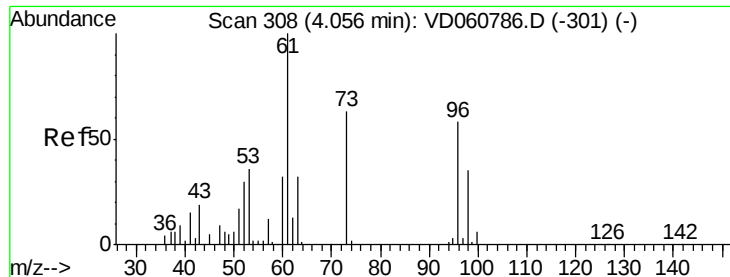
MMDadoda
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#20
Methylene Chloride
Concen: 71.264 ug/l
RT: 3.68 min Scan# 269
Delta R.T. -0.01 min
Lab File: VD060787.D
Acq: 23 Jan 2019 17:34

Tgt Ion: 84 Resp: 444454
Ion Ratio Lower Upper
84 100
49 148.7 119.6 179.4
51 46.1 36.2 54.4
86 66.9 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 70.441 ug/l

RT: 4.05 min Scan# 307

Delta R.T. -0.01 min

Lab File: VD060787.D

Acq: 23 Jan 2019 17:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 96 Resp: 431679

Ion Ratio Lower Upper

96 100

61 182.7 138.8 208.2

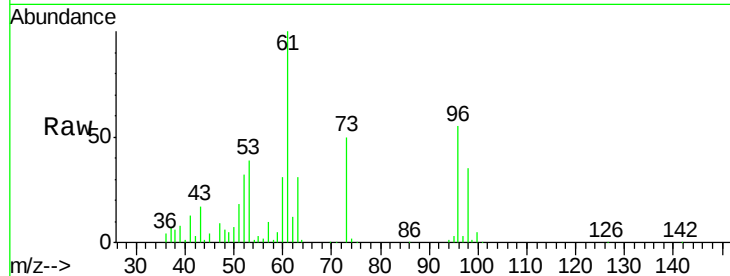
98 63.5 48.7 73.1

Manual Integrations

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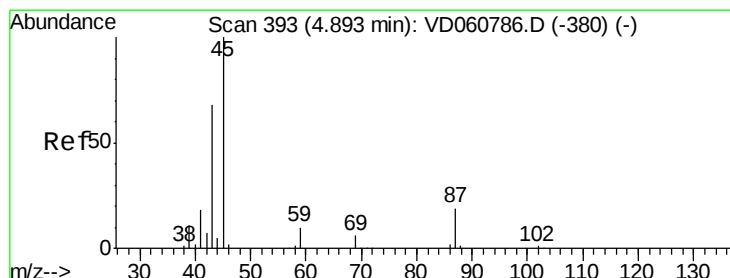
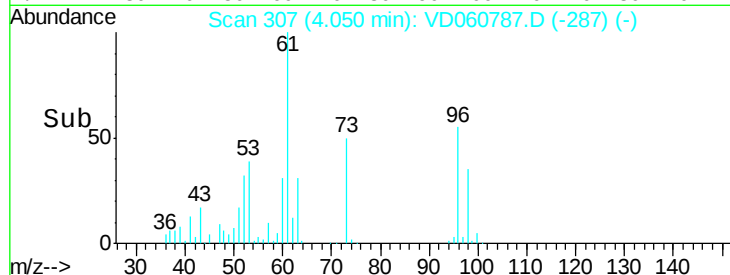
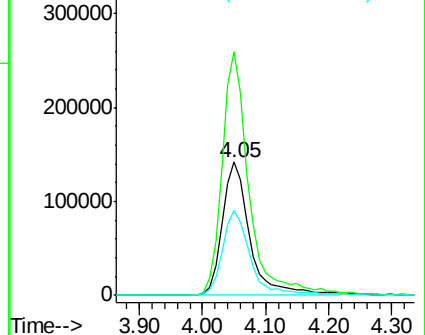
1/24/2019 12:49:52 PM



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: 74.016 ug/l

RT: 4.89 min Scan# 392

Delta R.T. -0.01 min

Lab File: VD060787.D

Acq: 23 Jan 2019 17:34

Tgt Ion: 45 Resp: 1553406

Ion Ratio Lower Upper

45 100

43 71.4 54.8 82.2

87 19.4 15.5 23.3

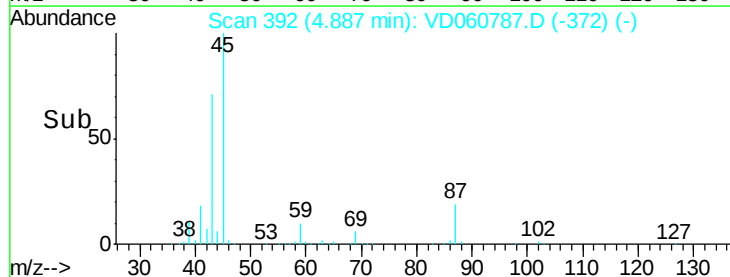
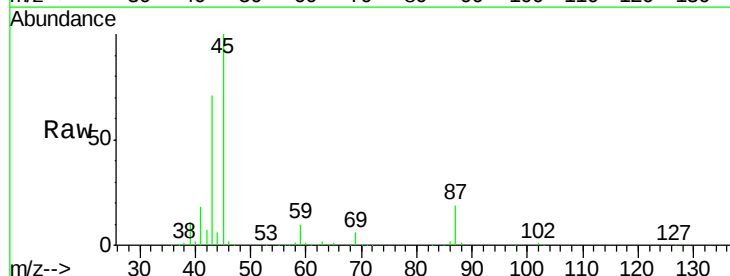
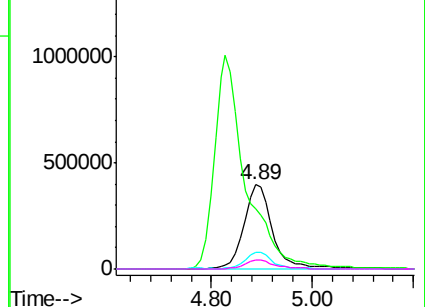
59 10.3 8.4 12.6

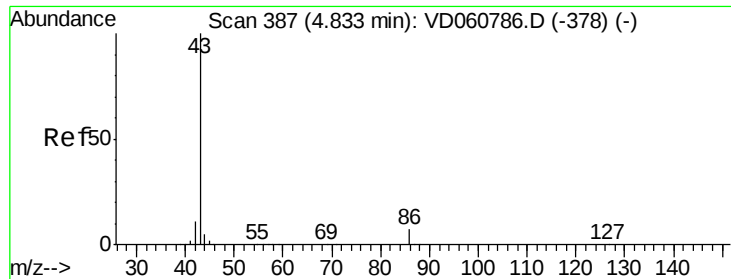
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 357.344 ug/l

RT: 4.83 min Scan# 386

Delta R.T. -0.01 min

Lab File: VD060787.D

Acq: 23 Jan 2019 17:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 43 Resp: 4291515

Ion Ratio Lower Upper

43 100

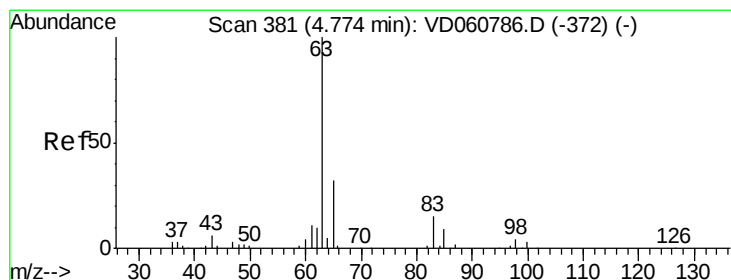
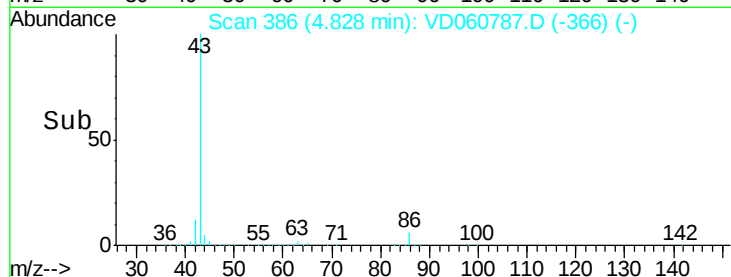
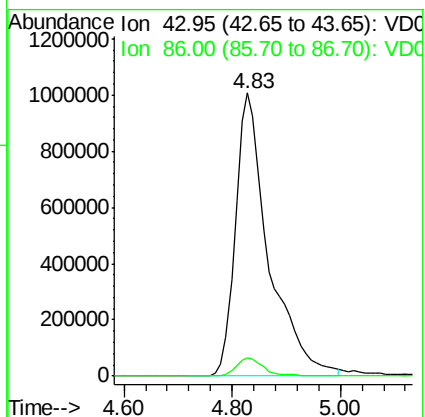
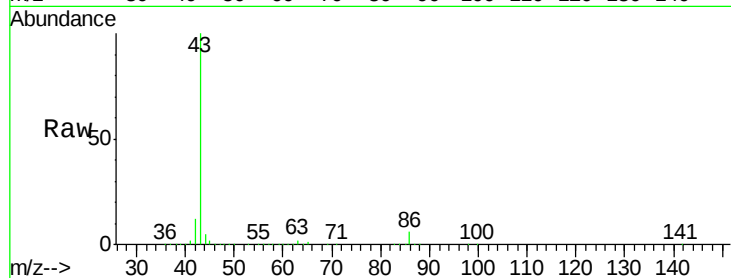
86 6.4 5.3 7.9

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 76.429 ug/l

RT: 4.77 min Scan# 380

Delta R.T. -0.01 min

Lab File: VD060787.D

Acq: 23 Jan 2019 17:34

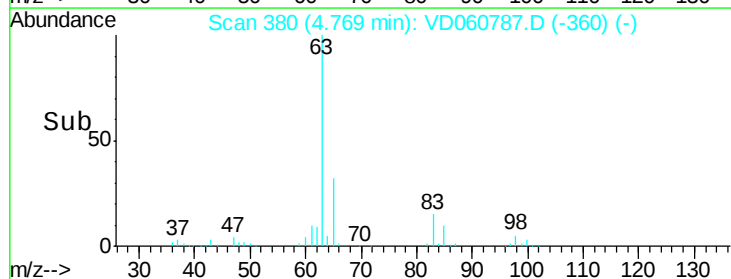
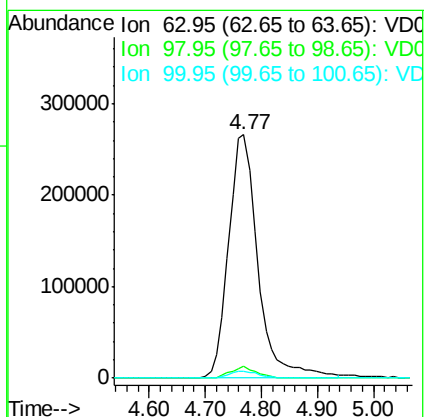
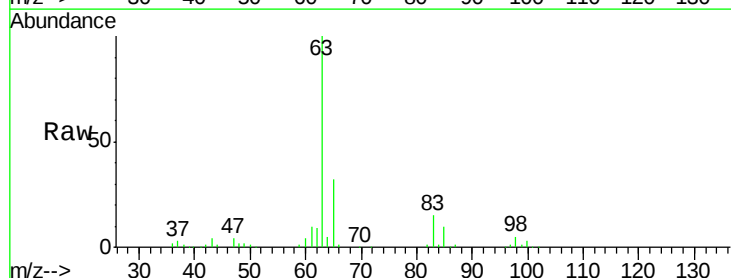
Tgt Ion: 63 Resp: 968927

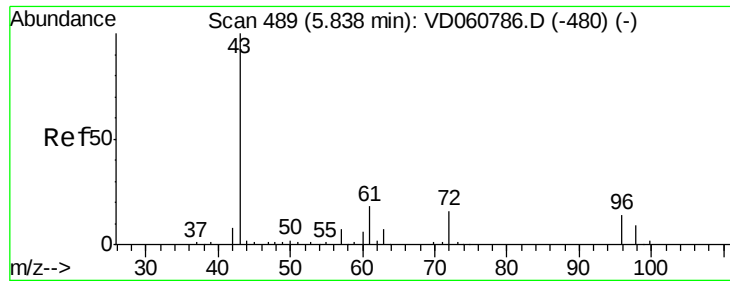
Ion Ratio Lower Upper

63 100

98 4.7 1.9 5.7

100 2.9 1.5 4.4





#25

2-Butanone

Concen: 361.806 ug/l

RT: 5.84 min Scan# 489

Delta R.T. 0.00 min

Lab File: VD060787.D

Acq: 23 Jan 2019 17:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 43 Resp: 669689

Ion Ratio Lower Upper

43 100

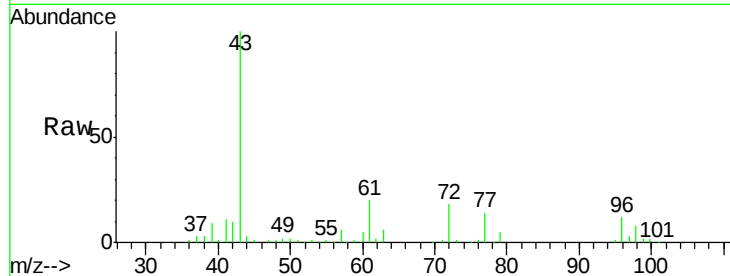
72 18.5 13.1 19.7

Manual Integrations

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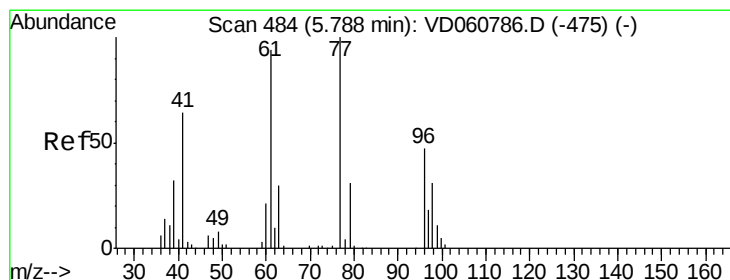
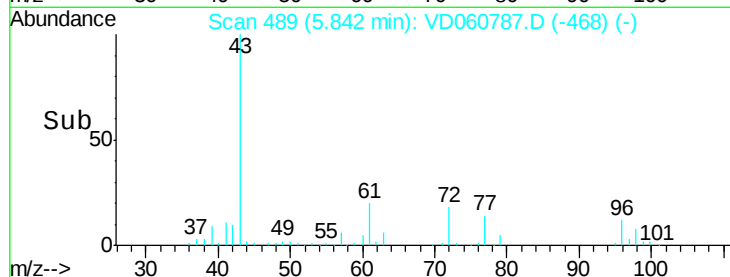
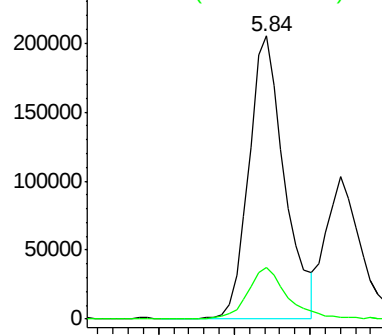
MMDadoda

1/24/2019 12:49:52 PM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 73.774 ug/l

RT: 5.78 min Scan# 483

Delta R.T. -0.01 min

Lab File: VD060787.D

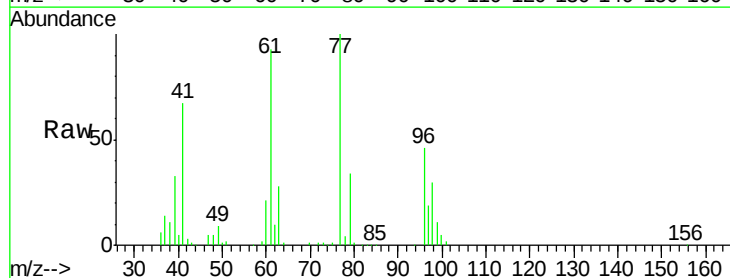
Acq: 23 Jan 2019 17:34

Tgt Ion: 77 Resp: 926786

Ion Ratio Lower Upper

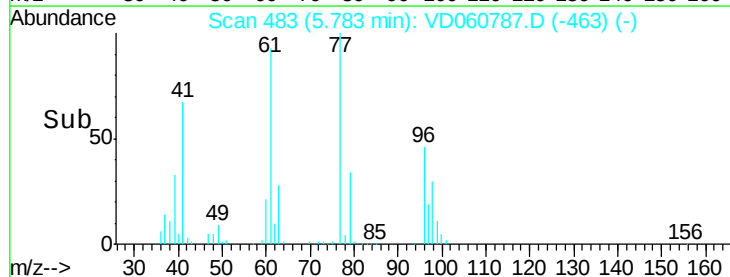
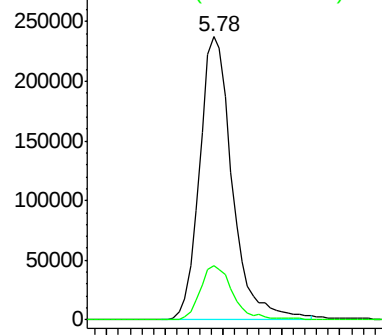
77 100

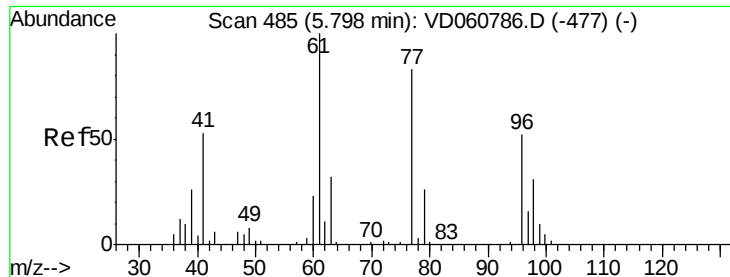
97 19.1 9.0 27.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

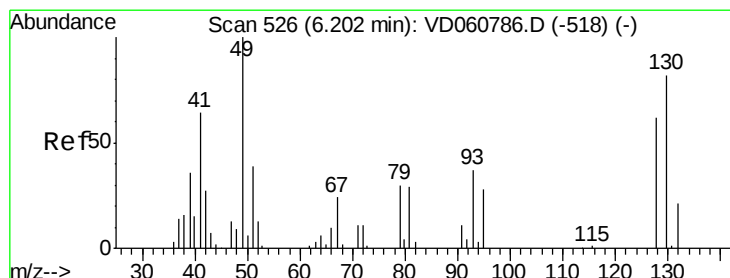
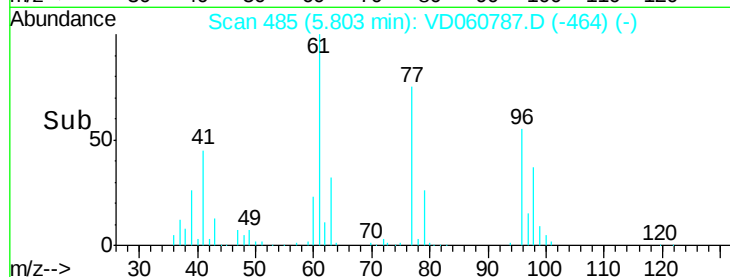
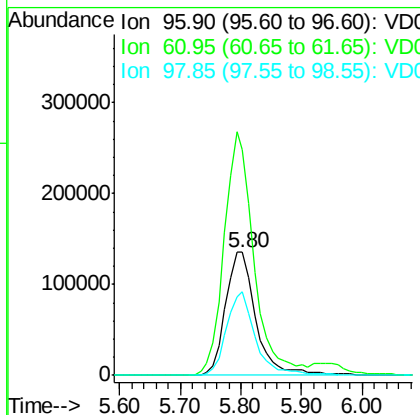
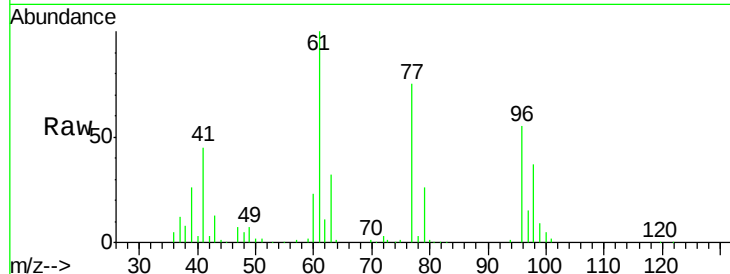
cis-1,2-Dichloroethene
Concen: 74.436 ug/l
RT: 5.80 min Scan# 485
Delta R.T. 0.00 min
Lab File: VD060787.D
Acq: 23 Jan 2019 17:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
96	100	471382		
61	183.0	0.0	385.2	
98	67.5	0.0	120.6	

Manual Integrations
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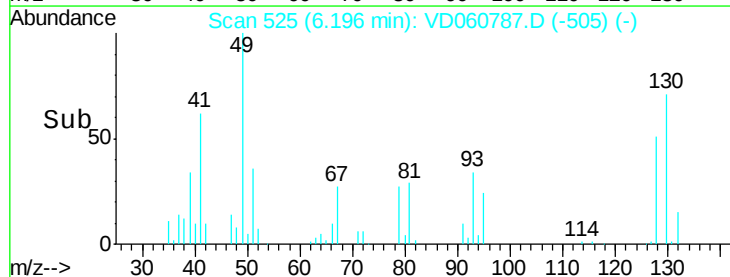
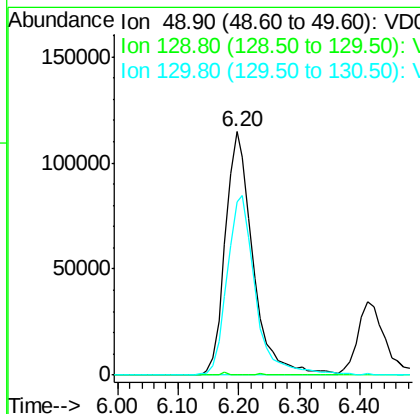
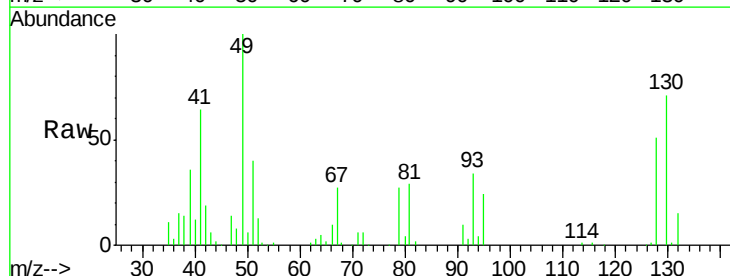
MMDadoda
1/24/2019 12:49:52 PM

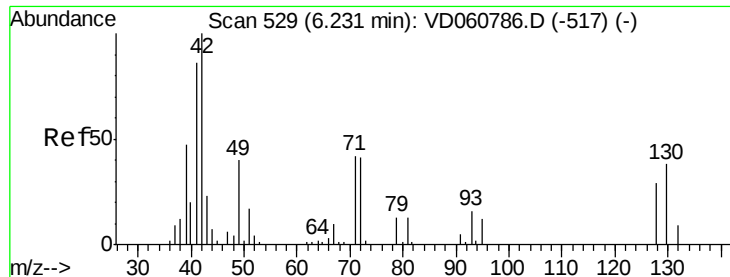


#28

Bromochloromethane
Concen: 70.846 ug/l
RT: 6.20 min Scan# 525
Delta R.T. -0.01 min
Lab File: VD060787.D
Acq: 23 Jan 2019 17:34

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	364499		
129	0.0	0.0	0.0	
130	71.4	65.4	98.2	





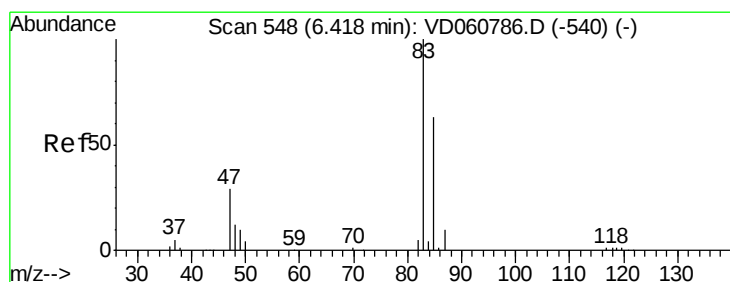
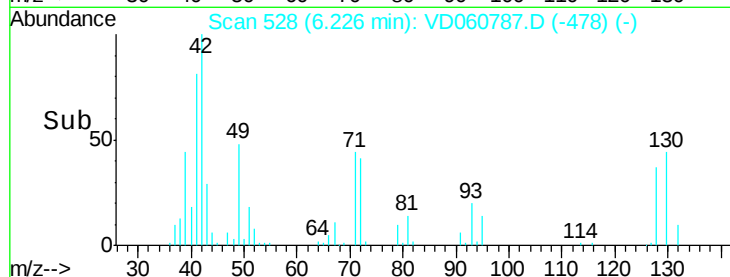
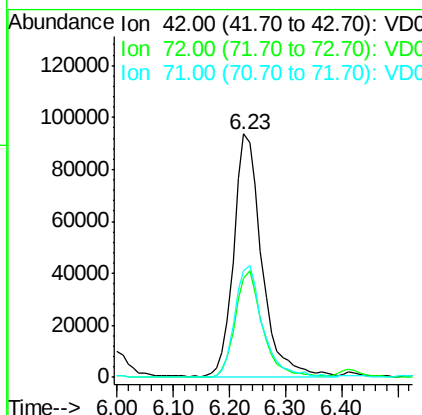
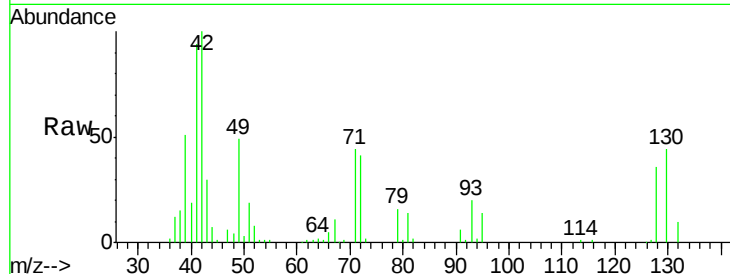
#29
Tetrahydrofuran
Concen: 369.404 ug/l
RT: 6.23 min Scan# 528
Delta R.T. -0.01 min
Lab File: VD060787.D
Acq: 23 Jan 2019 17:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.3	33.6	50.4
71	45.2	34.6	51.8

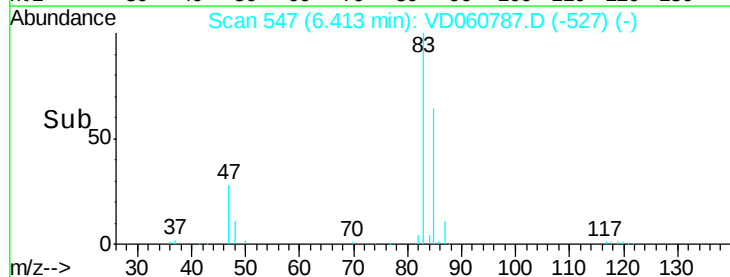
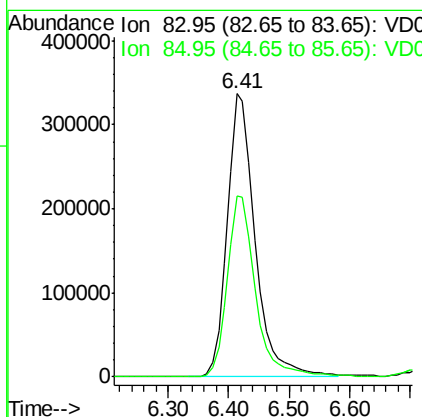
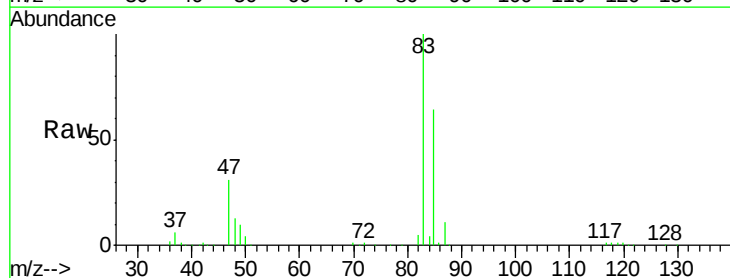
Manual Integrations
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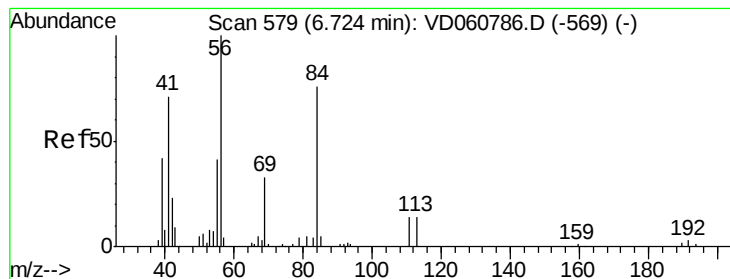
MMDadoda
1/24/2019 12:49:52 PM



#30
Chloroform
Concen: 72.782 ug/l
RT: 6.41 min Scan# 547
Delta R.T. -0.01 min
Lab File: VD060787.D
Acq: 23 Jan 2019 17:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	50.3	75.5





#31

Cyclohexane

Concen: 69.145 ug/l

RT: 6.72 min Scan# 578

Delta R.T. -0.01 min

Lab File: VD060787.D

Acq: 23 Jan 2019 17:34

Instrument :

MSVOA_D

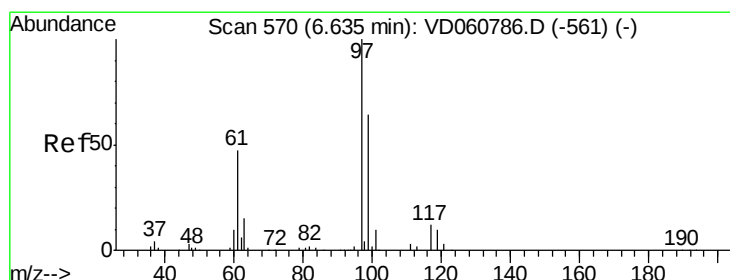
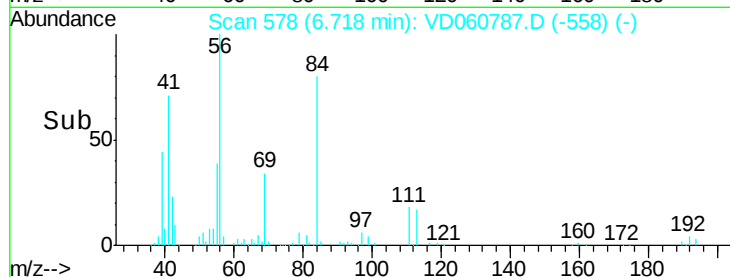
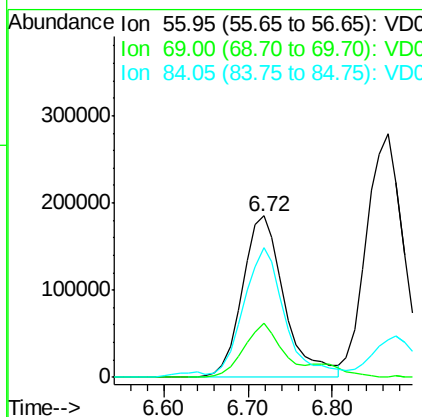
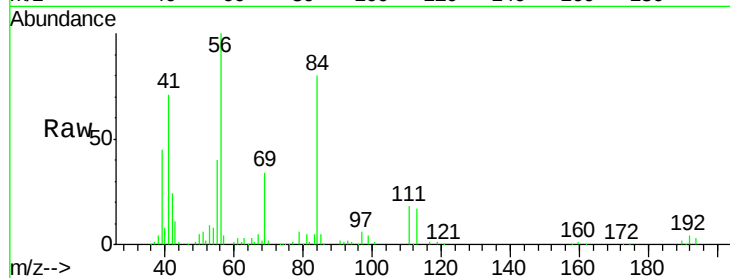
ClientSampleId :

VSTDIC075

Tot Ion:	56	Resp:	645617
Ion	Ratio	Lower	Upper
56	100		
69	33.7	26.2	39.2
84	80.2	63.0	94.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 71.831 ug/l

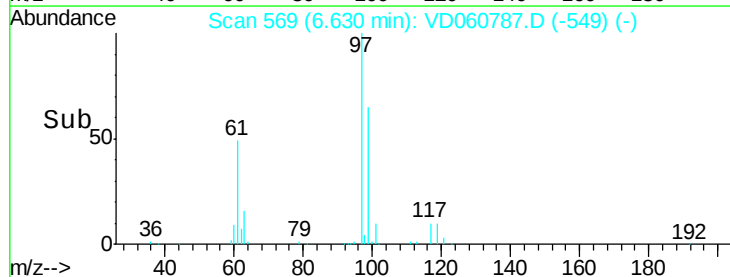
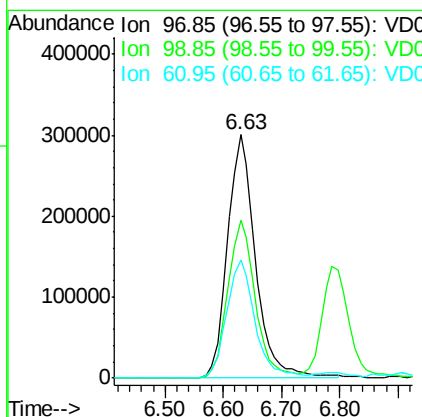
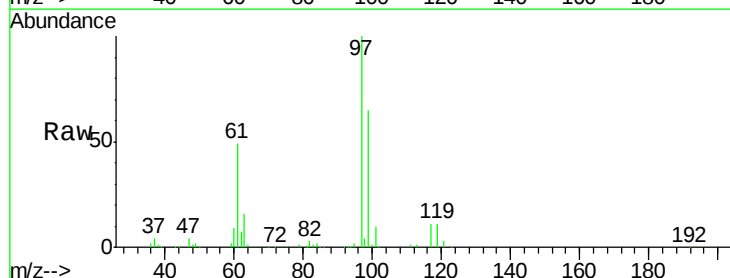
RT: 6.63 min Scan# 569

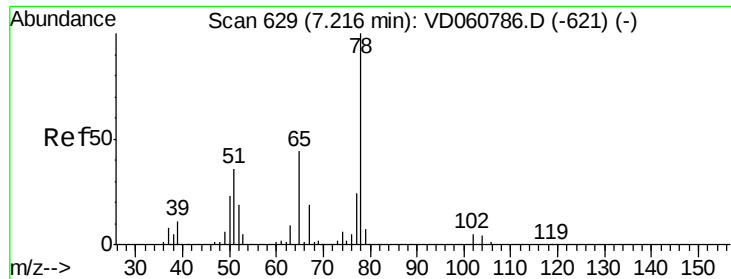
Delta R.T. -0.01 min

Lab File: VD060787.D

Acq: 23 Jan 2019 17:34

Tgt Ion:	97	Resp:	1001546
Ion	Ratio	Lower	Upper
97	100		
99	64.6	50.8	76.2
61	48.6	37.7	56.5





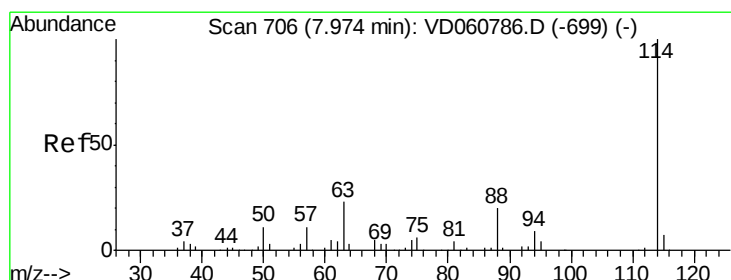
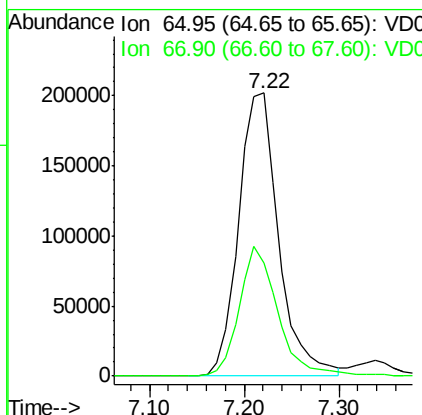
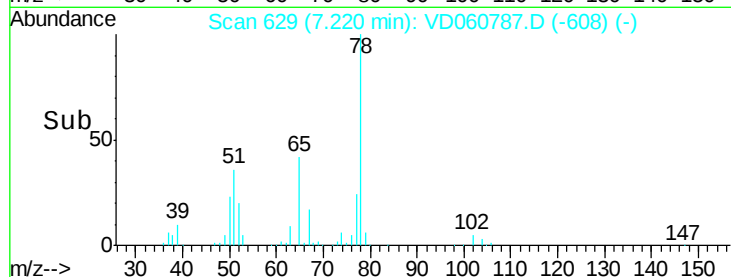
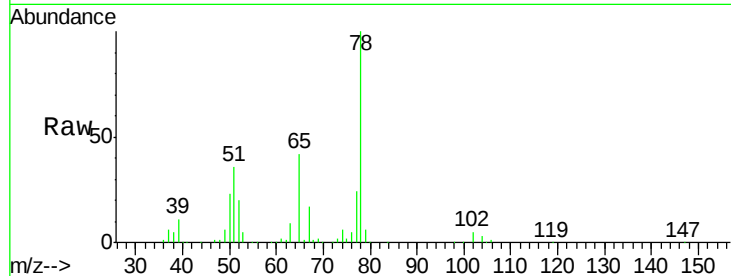
#33
 1,2-Dichloroethane-d4
 Concen: 71.831 ug/l
 RT: 7.22 min Scan# 629
 Delta R.T. 0.00 min
 Lab File: VD060787.D
 Acq: 23 Jan 2019 17:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
65	100	592449		
67	40.0	0.0	86.0	

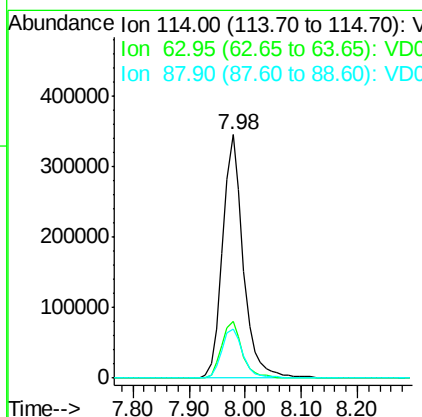
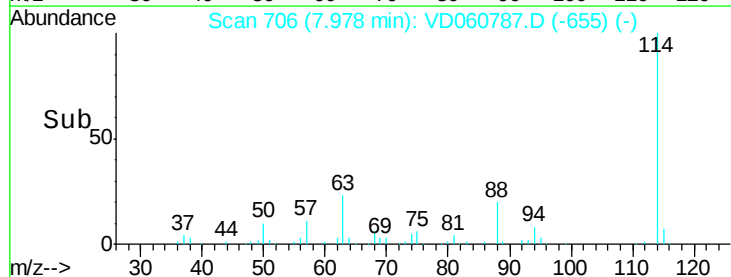
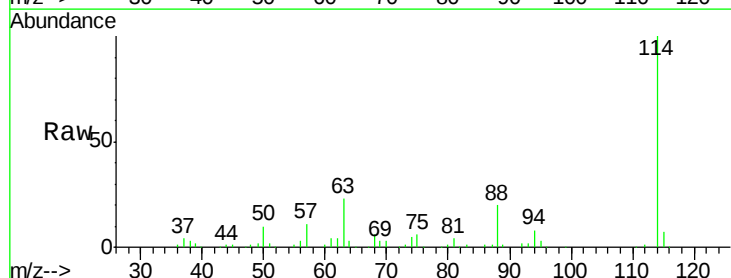
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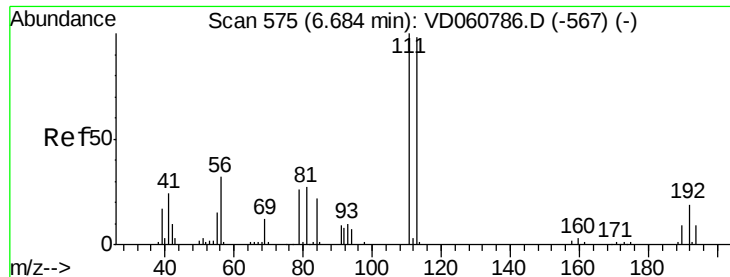
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.98 min Scan# 706
 Delta R.T. 0.00 min
 Lab File: VD060787.D
 Acq: 23 Jan 2019 17:34

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	889226		
63	23.1	0.0	46.4	
88	20.2	0.0	39.6	





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.68 min Scan# 574

Delta R.T. -0.01 min

Lab File: VD060787.D

Acq: 23 Jan 2019 17:34

Instrument :

MSVOA_D

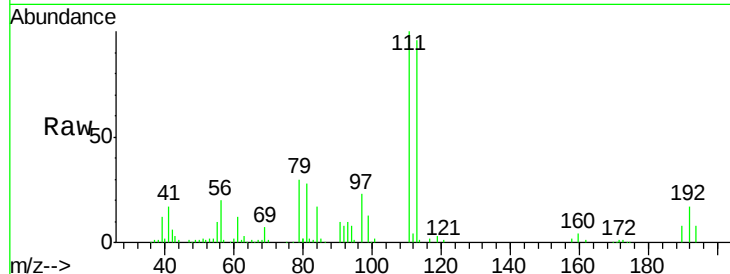
ClientSampleId :

VSTDIC075

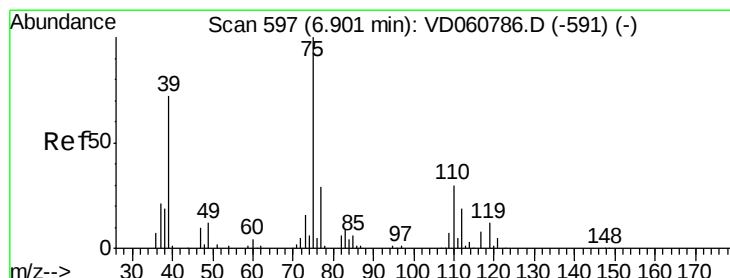
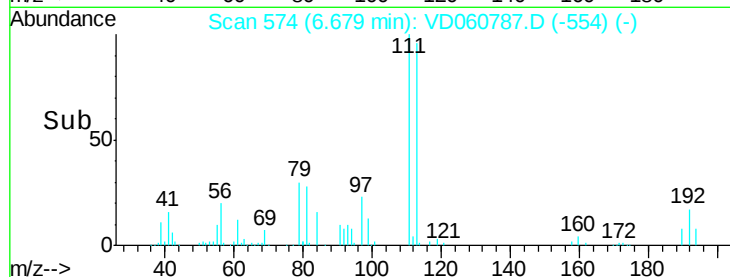
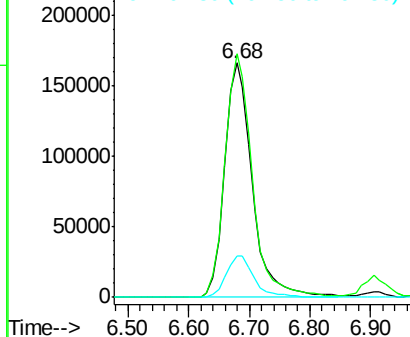
Tot Ion:	113	Resp:	525326
Ion	Ratio	Lower	Upper
113	100		
111	103.9	81.4	122.0
192	17.7	15.3	22.9

Manual Integrations
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Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 71.540 ug/l

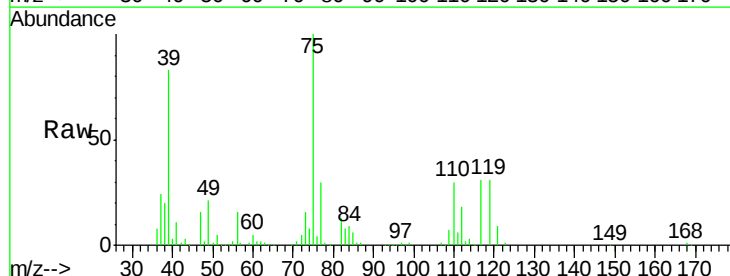
RT: 6.91 min Scan# 597

Delta R.T. 0.00 min

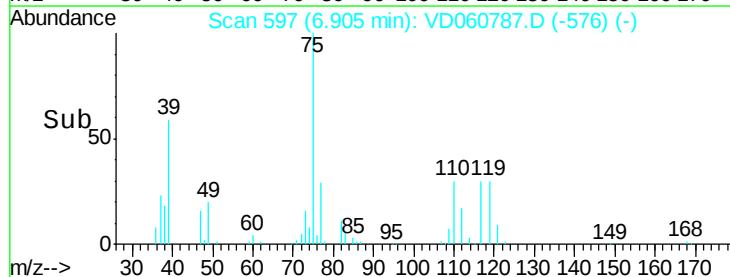
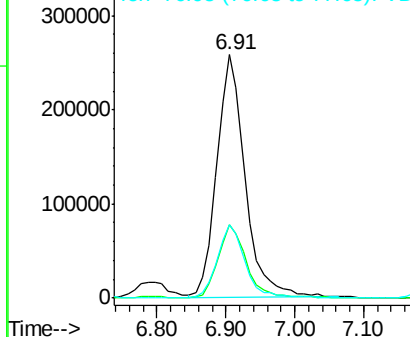
Lab File: VD060787.D

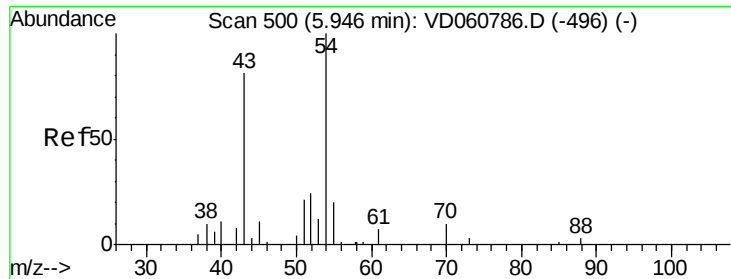
Acq: 23 Jan 2019 17:34

Tgt Ion:	75	Resp:	731980
Ion	Ratio	Lower	Upper
75	100		
110	30.0	14.8	44.3
77	29.9	23.1	34.7



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): VDC





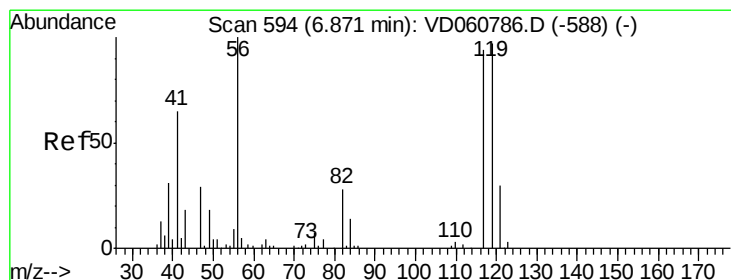
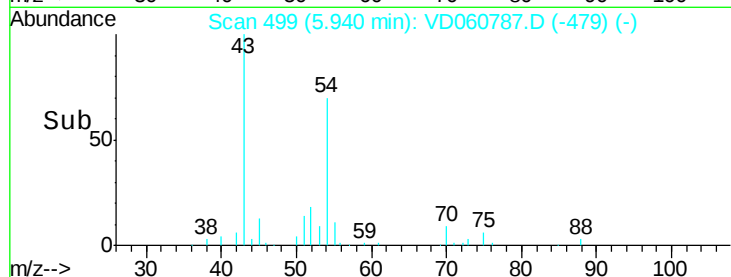
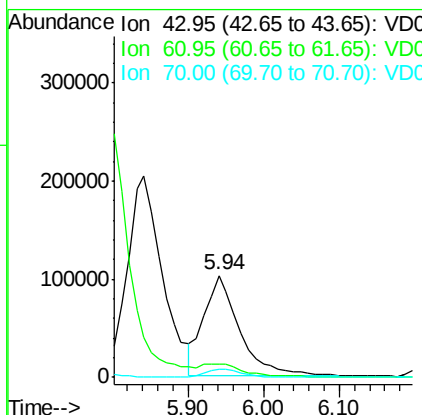
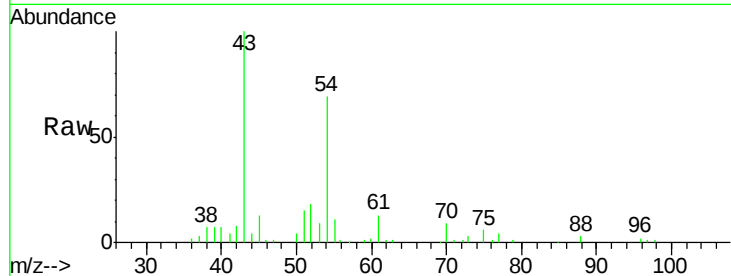
#37
Ethyl Acetate
Concen: 78.307 ug/l
RT: 5.94 min Scan# 499
Delta R.T. -0.01 min
Lab File: VD060787.D
Acq: 23 Jan 2019 17:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	12.2	18.4
70	8.6	6.8	10.2

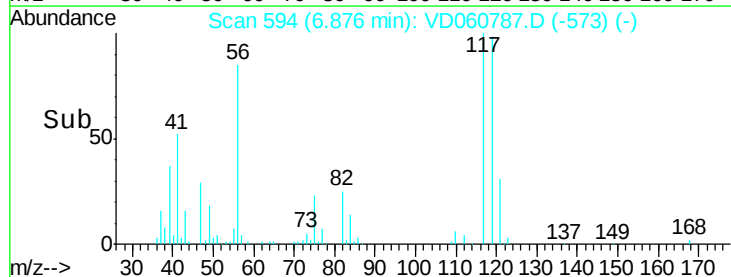
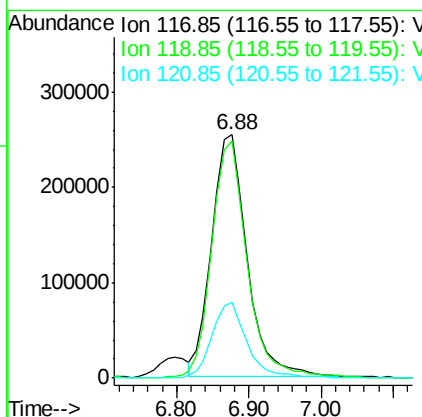
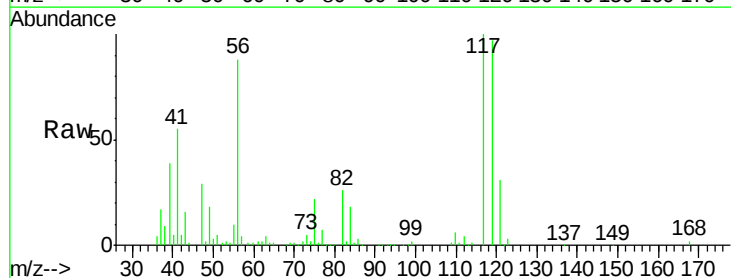
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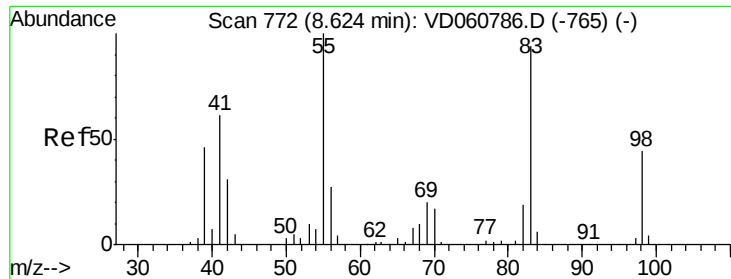
MMDadoda
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#38
Carbon Tetrachloride
Concen: 68.274 ug/l
RT: 6.88 min Scan# 594
Delta R.T. 0.00 min
Lab File: VD060787.D
Acq: 23 Jan 2019 17:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.2	77.5	116.3
121	31.1	24.2	36.2





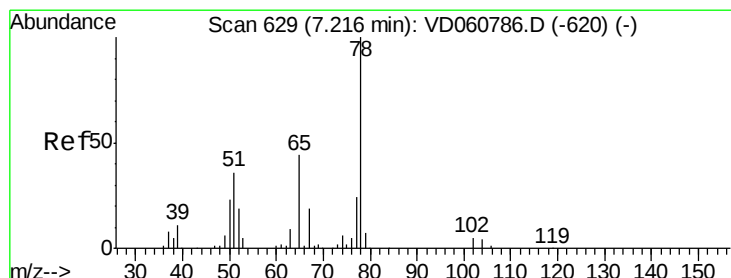
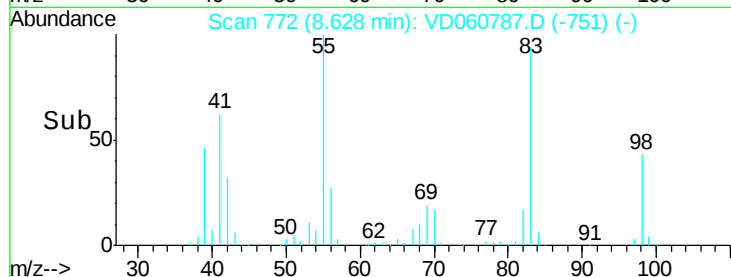
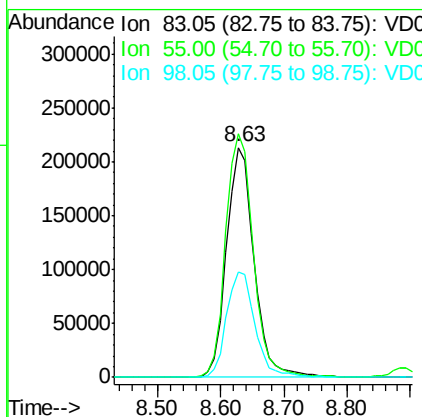
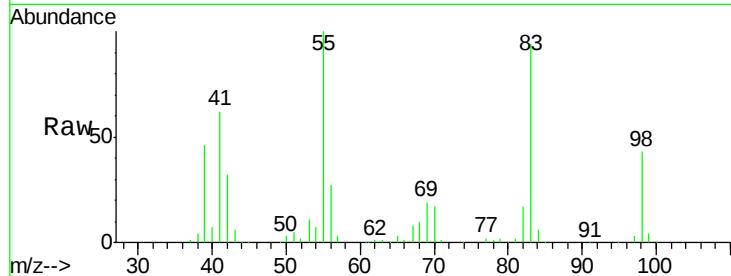
#39
Methvlcvclohexane
Concen: 70.567 ug/l
RT: 8.63 min Scan# 772
Delta R.T. 0.00 min
Lab File: VD060787.D
Acq: 23 Jan 2019 17:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
83	100		
55	105.9	85.2	127.8
98	45.6	37.7	56.5

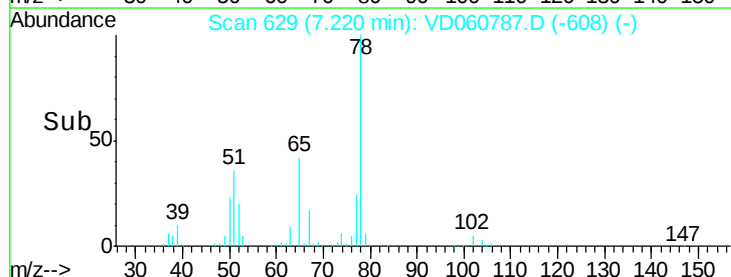
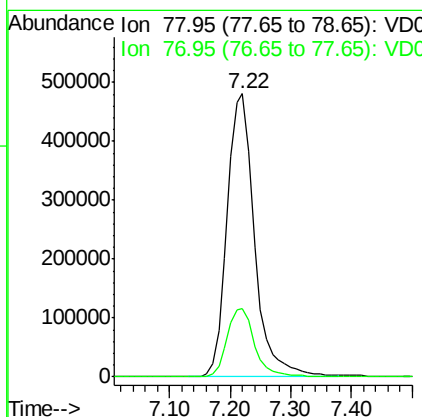
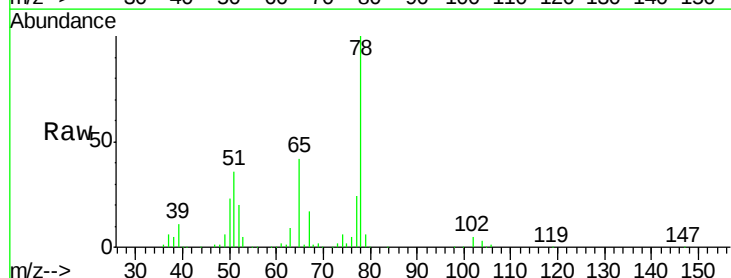
Manual Integrations
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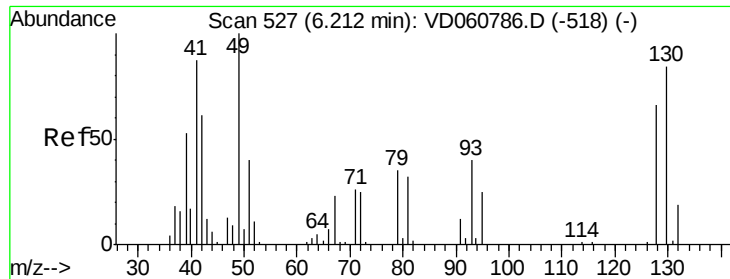
MMDadoda
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#40
Benzene
Concen: 72.668 ug/l
RT: 7.22 min Scan# 629
Delta R.T. 0.00 min
Lab File: VD060787.D
Acq: 23 Jan 2019 17:34

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.0	28.4





#41

Methacrylonitrile

Concen: 69.110 ug/l m

RT: 6.21 min Scan# 526

Delta R.T. -0.01 min

Lab File: VD060787.D

Acq: 23 Jan 2019 17:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 41 Resp: 219481

Ion Ratio Lower Upper

41 100

39 55.1 49.4 74.2

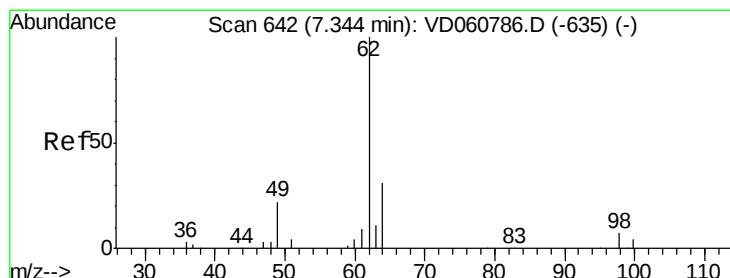
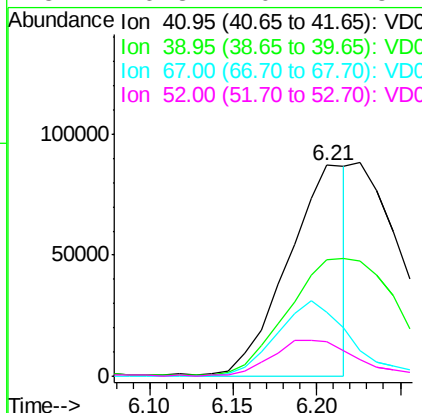
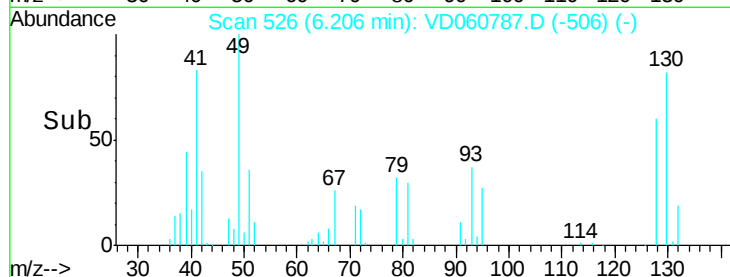
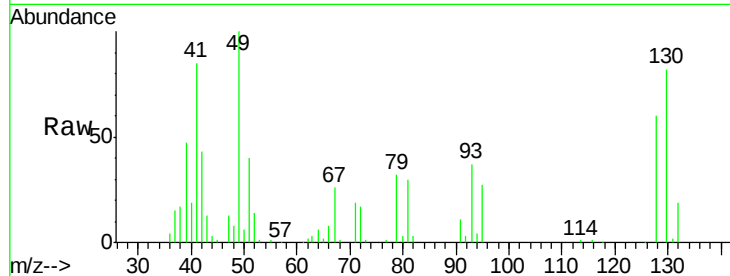
67 30.5 20.7 31.1

52 16.3 10.2 15.4#

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 70.877 ug/l

RT: 7.34 min Scan# 641

Delta R.T. -0.01 min

Lab File: VD060787.D

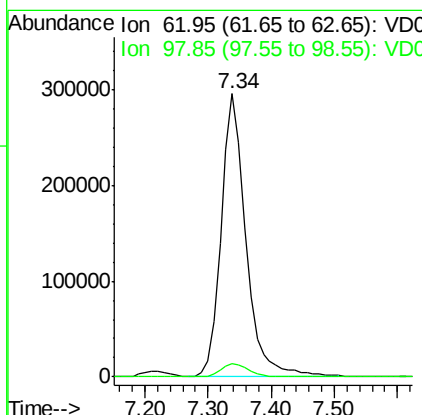
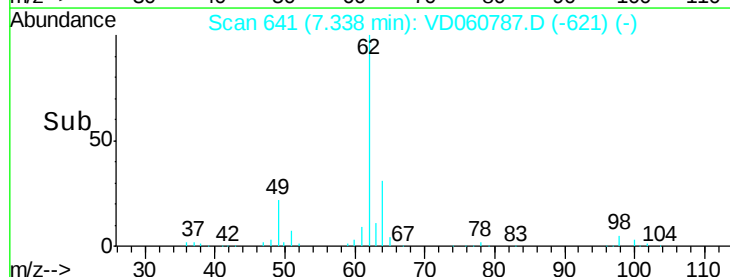
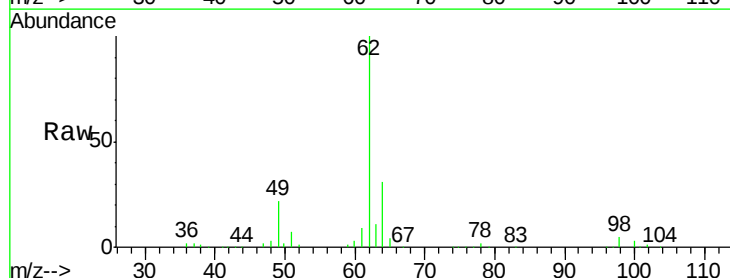
Acq: 23 Jan 2019 17:34

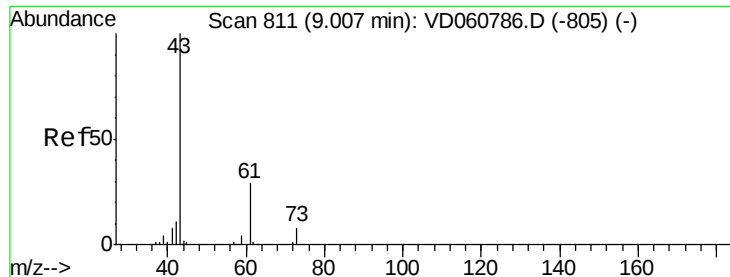
Tgt Ion: 62 Resp: 802196

Ion Ratio Lower Upper

62 100

98 4.9 0.0 13.6





#43

Isopropyl Acetate

Concen: 74.198 ug/l

RT: 9.00 min Scan# 810

Delta R.T. -0.01 min

Lab File: VD060787.D

Acq: 23 Jan 2019 17:34

Instrument :

MSVOA_D

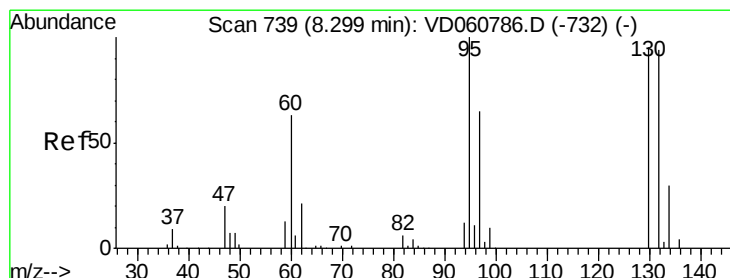
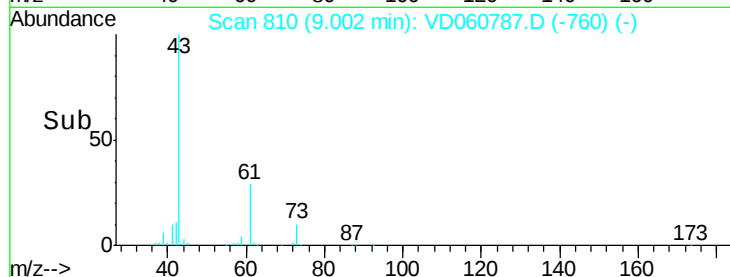
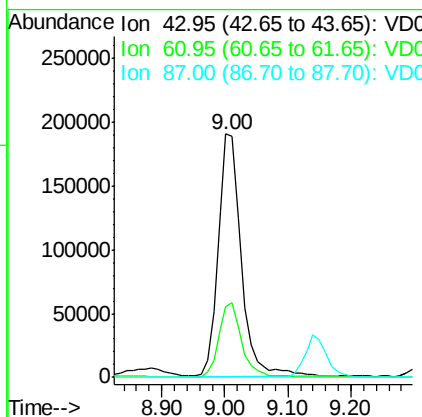
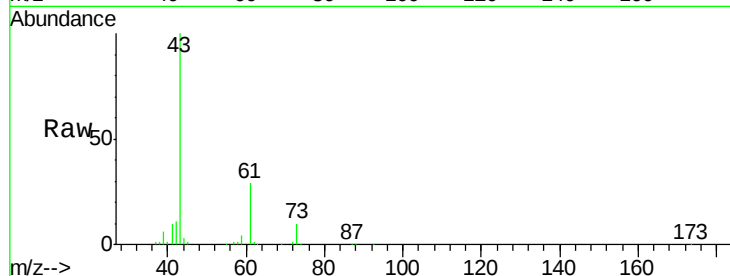
ClientSampleId :

VSTDIC075

Tot Ion:	43	Resp:	484622
Ion	Ratio	Lower	Upper
43	100		
61	29.0	23.2	34.8
87	0.3	0.0	0.0#

Manual Integrations
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#44

Trichloroethene

Concen: 71.644 ug/l

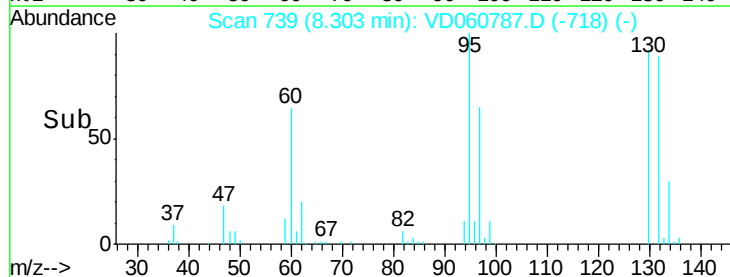
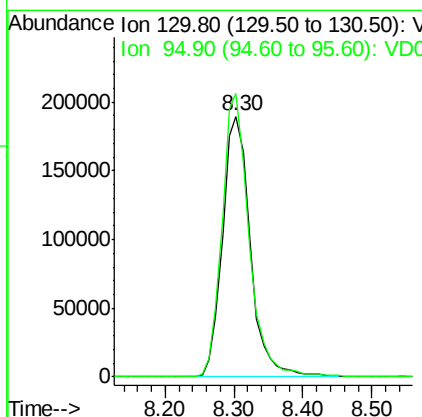
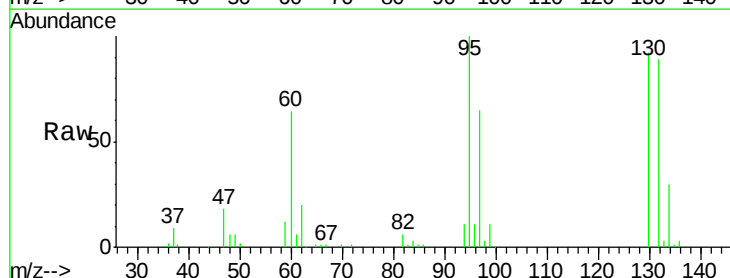
RT: 8.30 min Scan# 739

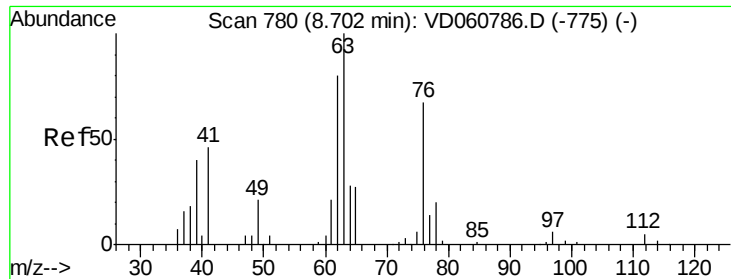
Delta R.T. 0.00 min

Lab File: VD060787.D

Acq: 23 Jan 2019 17:34

Tgt Ion:	130	Resp:	530211
Ion	Ratio	Lower	Upper
130	100		
95	108.5	0.0	211.6





#45

1,2-Dichloropropane

Concen: 74.948 ug/l

RT: 8.71 min Scan# 780

Delta R.T. 0.00 min

Lab File: VD060787.D

Acq: 23 Jan 2019 17:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 63 Resp: 405741

Ion Ratio Lower Upper

63 100

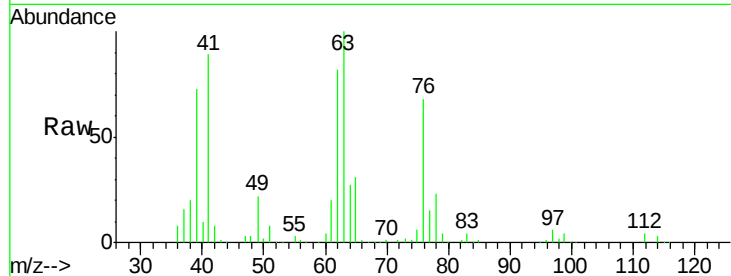
65 30.6 23.0 34.6

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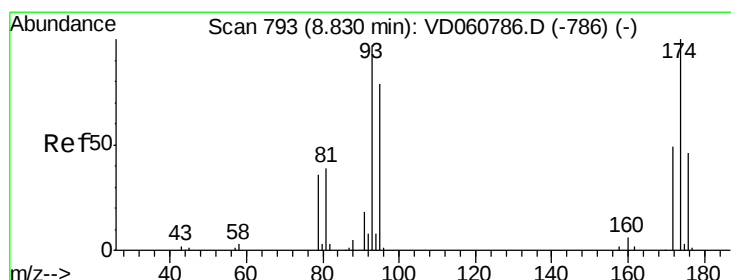
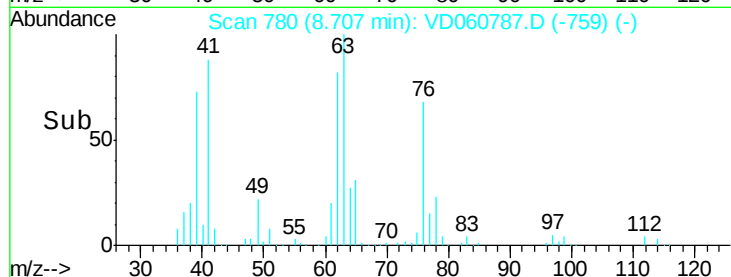
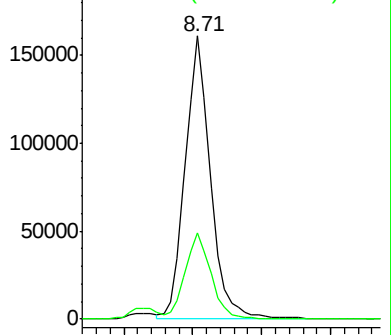
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Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 71.460 ug/l

RT: 8.82 min Scan# 792

Delta R.T. -0.01 min

Lab File: VD060787.D

Acq: 23 Jan 2019 17:34

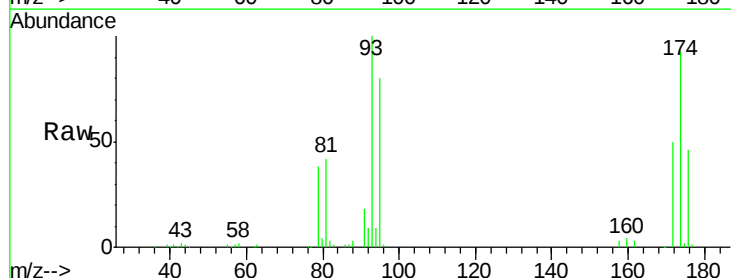
Tgt Ion: 93 Resp: 316450

Ion Ratio Lower Upper

93 100

95 79.7 65.2 97.8

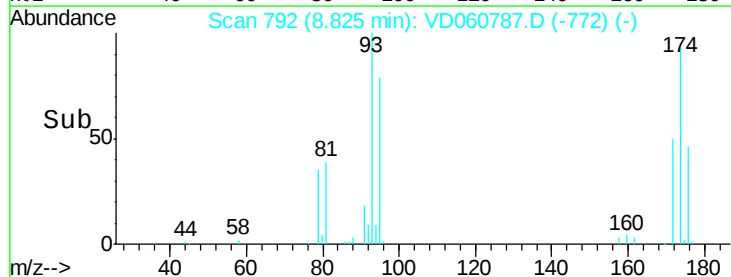
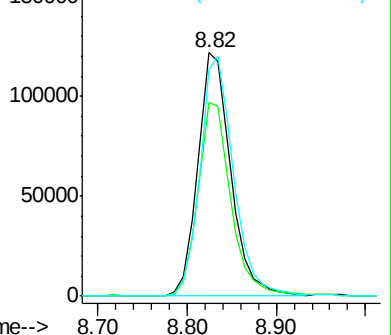
174 93.3 82.1 123.1

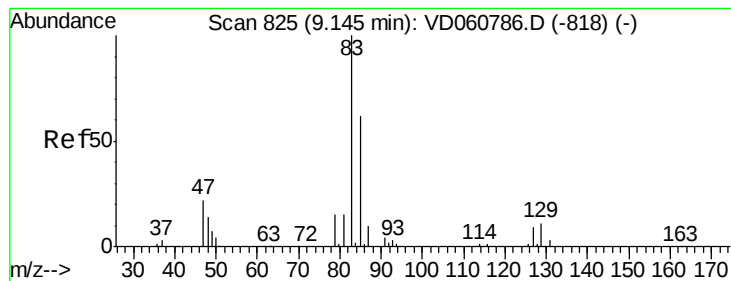


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 77.021 ug/l

RT: 9.14 min Scan# 824

Delta R.T. -0.01 min

Lab File: VD060787.D

Acq: 23 Jan 2019 17:34

Instrument :

MSVOA_D

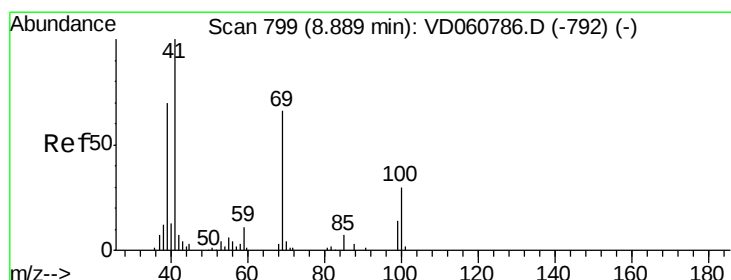
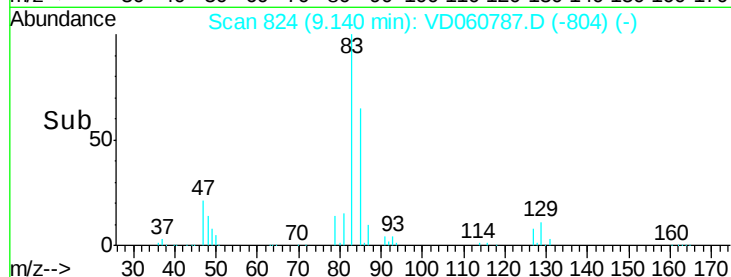
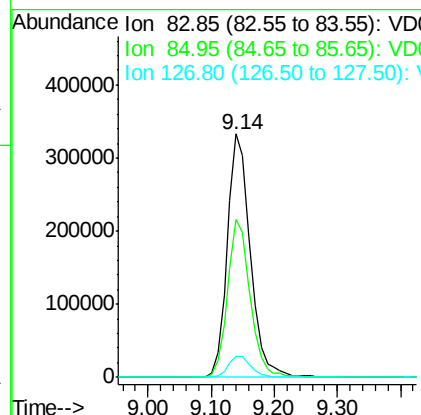
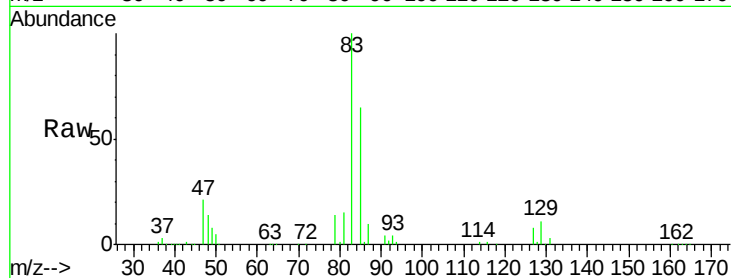
ClientSampleId :

VSTDIC075

Tot Ion:	83	Resp:	840185
Ion Ratio	Lower	Upper	
83	100		
85	64.9	49.8	74.6
127	8.4	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 74.065 ug/l

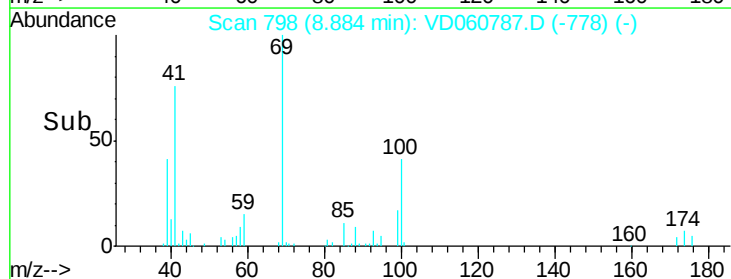
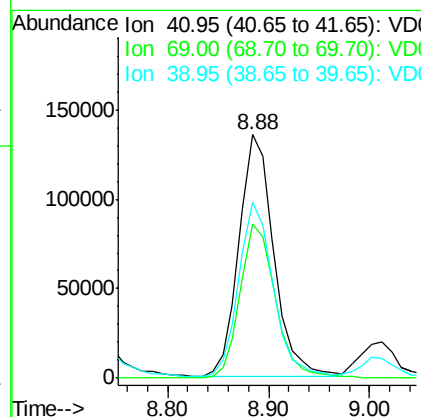
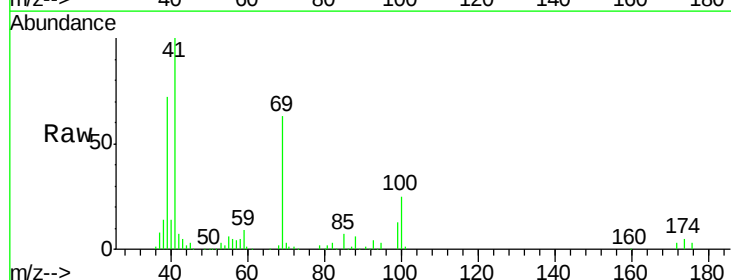
RT: 8.88 min Scan# 798

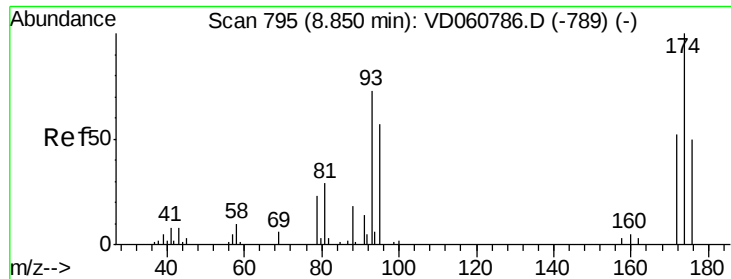
Delta R.T. -0.01 min

Lab File: VD060787.D

Acq: 23 Jan 2019 17:34

Tgt Ion:	41	Resp:	326433
Ion Ratio	Lower	Upper	
41	100		
69	63.1	52.2	78.4
39	72.4	56.3	84.5





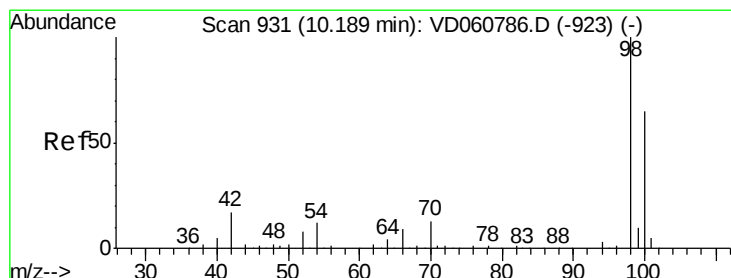
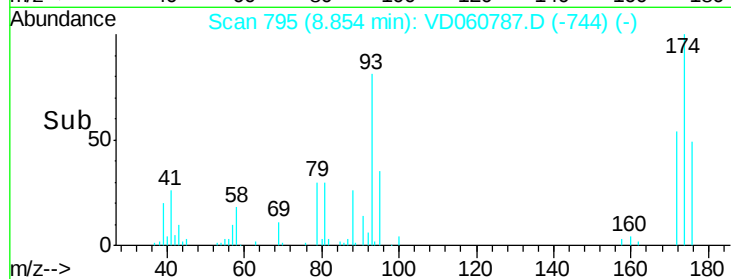
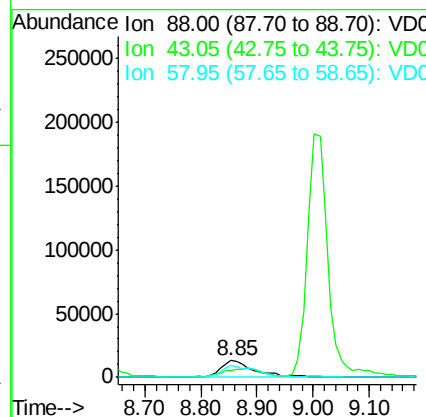
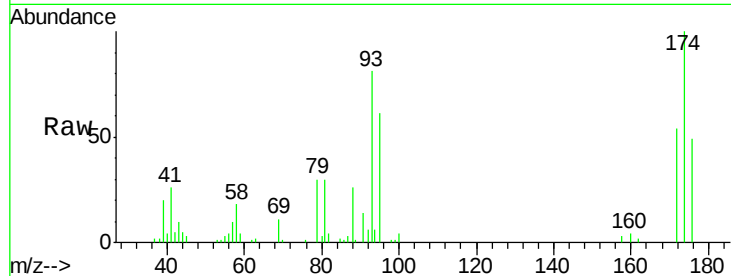
#49
1,4-Dioxane
Concen: 1508.955 ug/l
RT: 8.85 min Scan# 795
Delta R.T. 0.00 min
Lab File: VD060787.D
Acq: 23 Jan 2019 17:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	88	Resp	56142
Ion	Ratio	Lower	Upper
88	100		
43	40.0	36.2	54.2
58	69.1	47.3	70.9

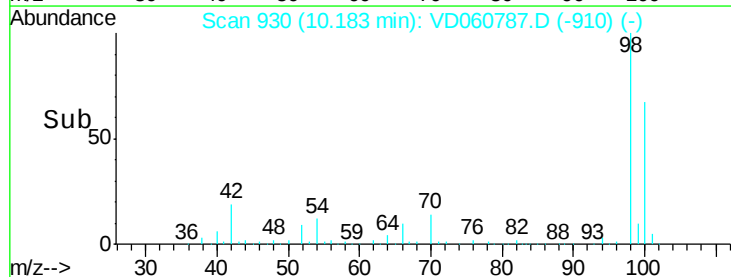
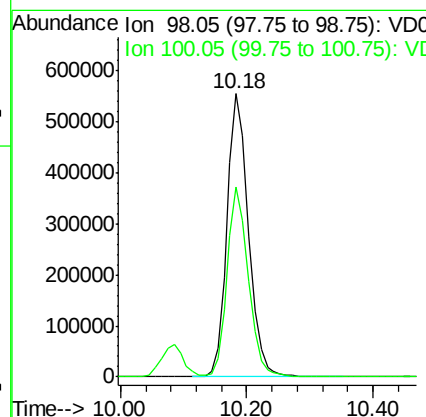
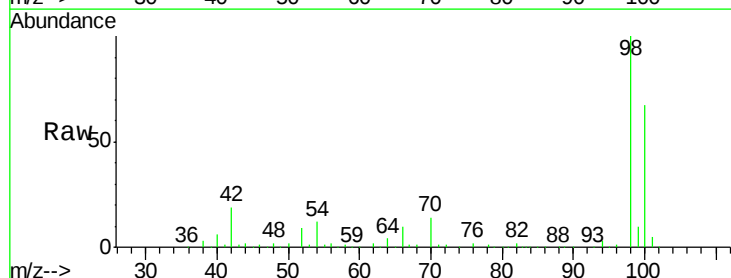
Manual Integrations
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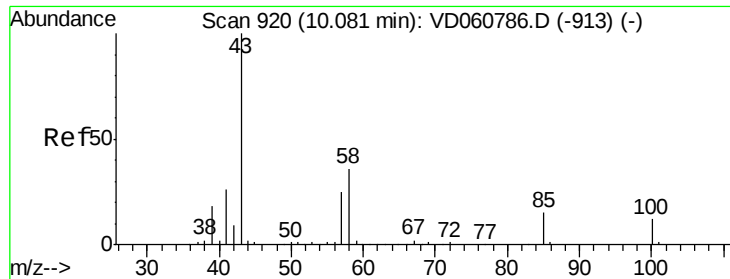
MMDadoda
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#50
Toluene-d8
Concen: 1508.955 ug/l
RT: 10.18 min Scan# 930
Delta R.T. -0.01 min
Lab File: VD060787.D
Acq: 23 Jan 2019 17:34

Tgt Ion	98	Resp	1313431
Ion	Ratio	Lower	Upper
98	100		
100	67.1	53.4	80.2





#51

4-Methyl-2-Pentanone

Concen: 345.565 ug/l

RT: 10.08 min Scan# 919

Delta R.T. -0.01 min

Lab File: VD060787.D

Acq: 23 Jan 2019 17:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 43 Resp: 1484697

Ion Ratio Lower Upper

43 100

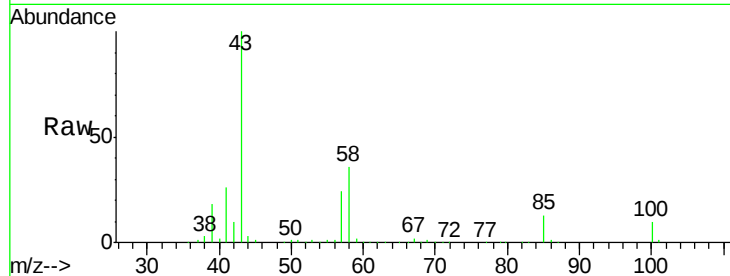
58 35.6 29.0 43.6

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.08

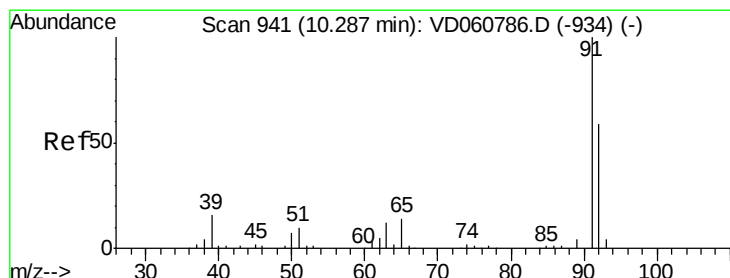
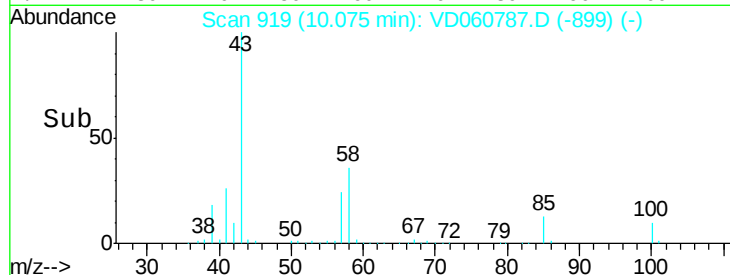
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 66.643 ug/l

RT: 10.28 min Scan# 940

Delta R.T. -0.01 min

Lab File: VD060787.D

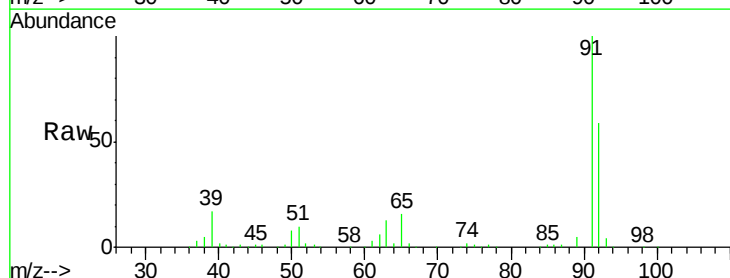
Acq: 23 Jan 2019 17:34

Tgt Ion: 92 Resp: 870104

Ion Ratio Lower Upper

92 100

91 168.8 135.1 202.7



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.28

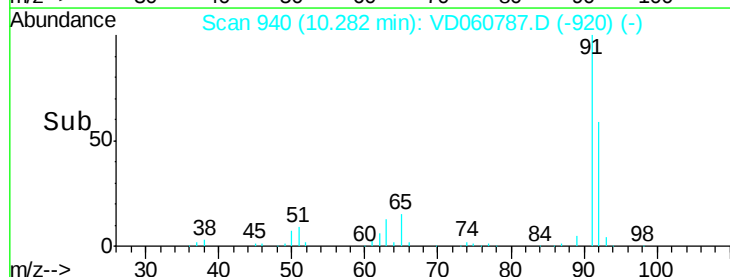
600000

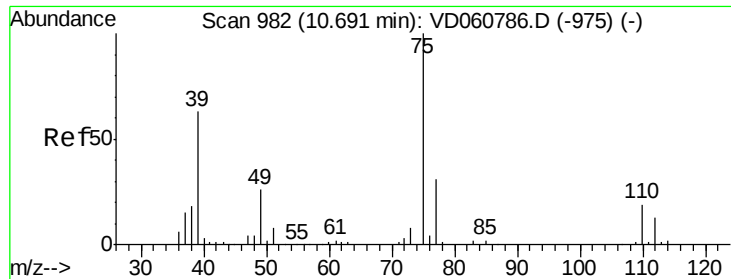
400000

200000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 69.357 ug/l

RT: 10.70 min Scan# 982

Delta R.T. 0.00 min

Lab File: VD060787.D

Acq: 23 Jan 2019 17:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 75 Resp: 740353

Ion Ratio Lower Upper

75 100

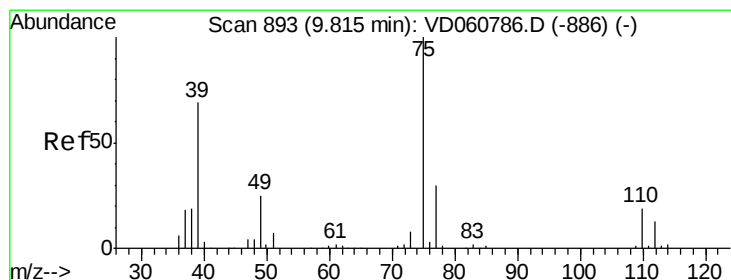
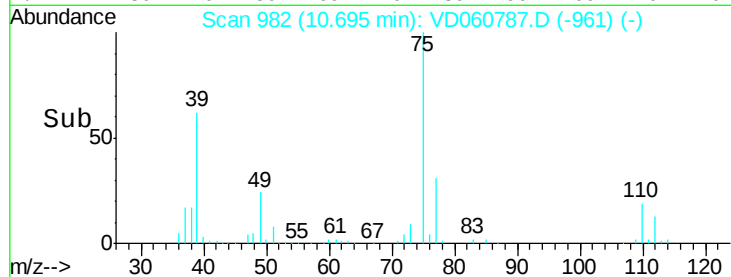
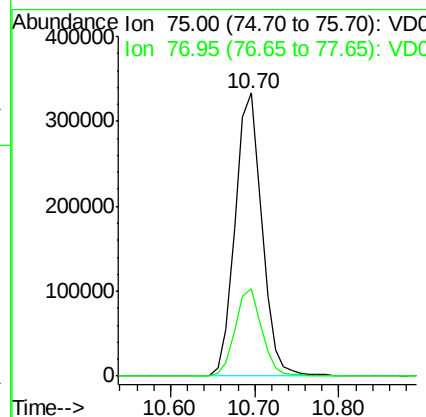
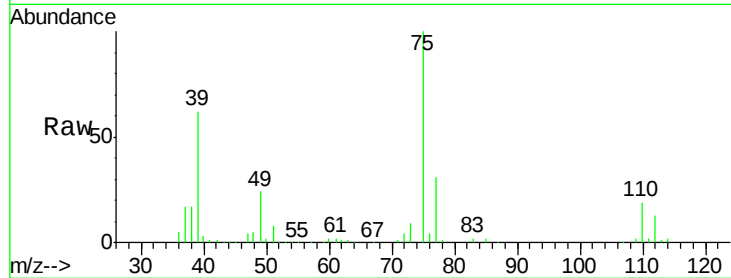
77 30.9 24.4 36.6

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 78.083 ug/l

RT: 9.81 min Scan# 892

Delta R.T. -0.01 min

Lab File: VD060787.D

Acq: 23 Jan 2019 17:34

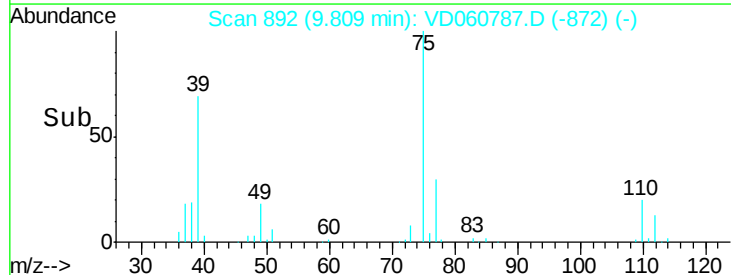
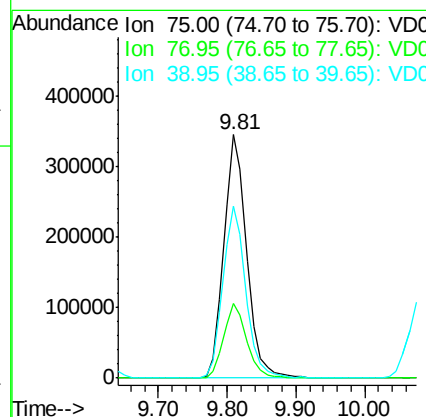
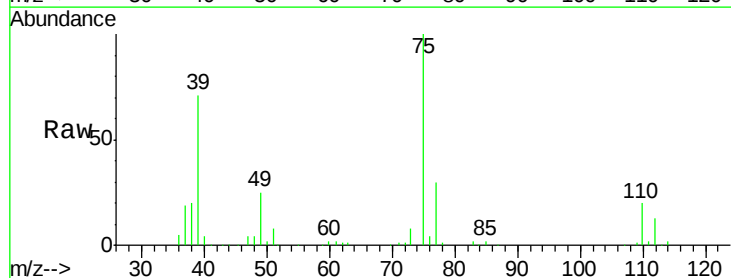
Tgt Ion: 75 Resp: 791739

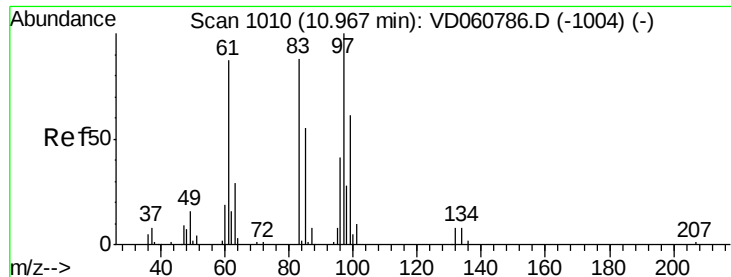
Ion Ratio Lower Upper

75 100

77 30.5 24.1 36.1

39 70.9 55.4 83.0





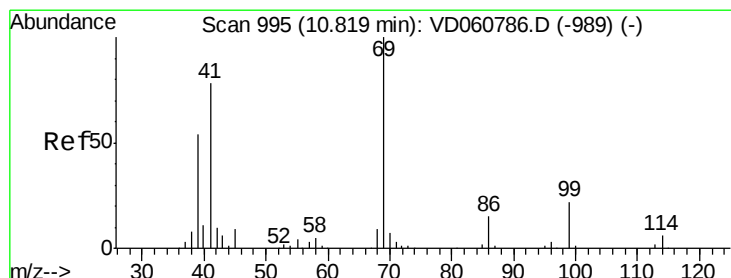
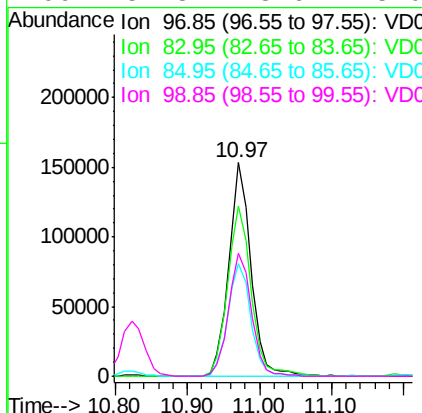
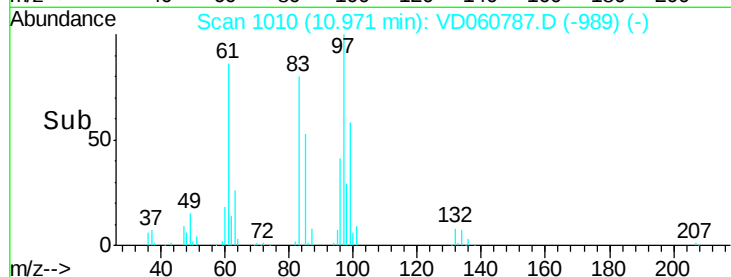
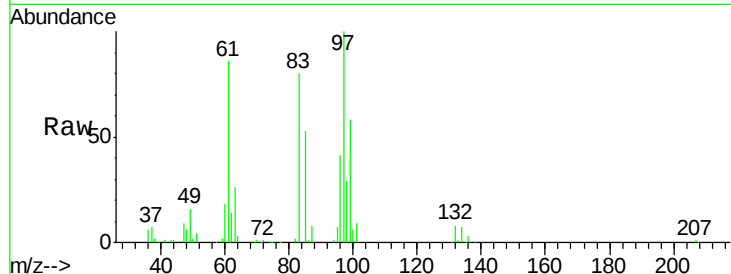
#55
 1,1,2-Trichloroethane
 Concen: 71.247 ug/l
 RT: 10.97 min Scan# 1010
 Delta R.T. 0.00 min
 Lab File: VD060787.D
 Acq: 23 Jan 2019 17:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion:	97	Resp:	330027
Ion	Ratio	Lower	Upper
97	100		
83	79.8	70.4	105.6
85	52.6	43.9	65.9
99	57.8	48.6	73.0

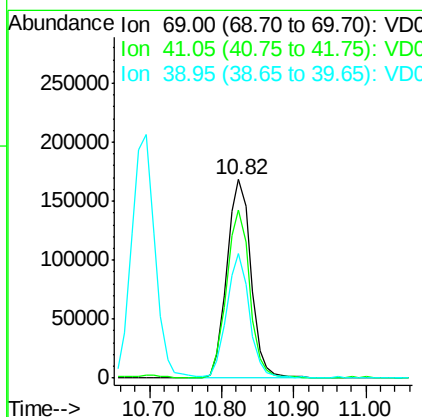
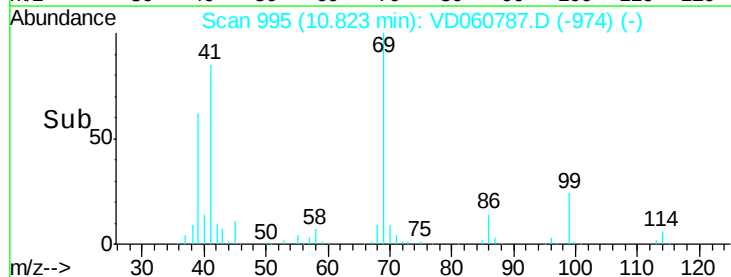
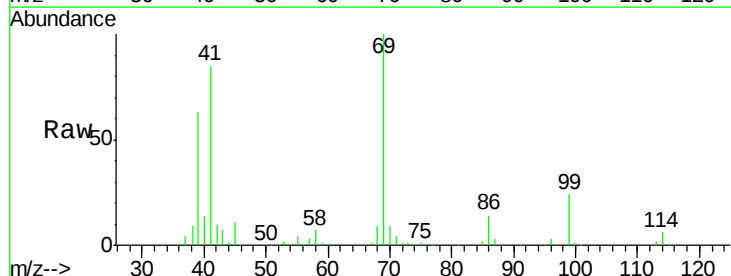
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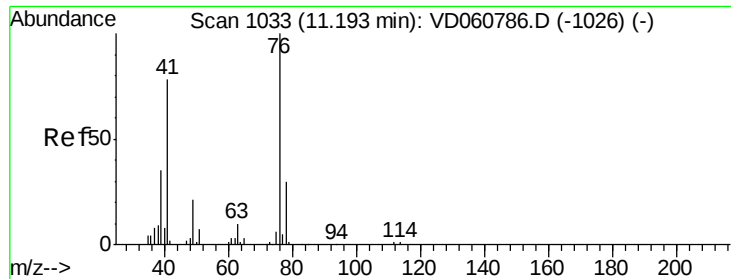
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#56
 Ethyl methacrylate
 Concen: 73.078 ug/l
 RT: 10.82 min Scan# 995
 Delta R.T. 0.00 min
 Lab File: VD060787.D
 Acq: 23 Jan 2019 17:34

Tgt Ion:	69	Resp:	392825
Ion	Ratio	Lower	Upper
69	100		
41	84.9	62.0	93.0
39	62.6	43.8	65.8





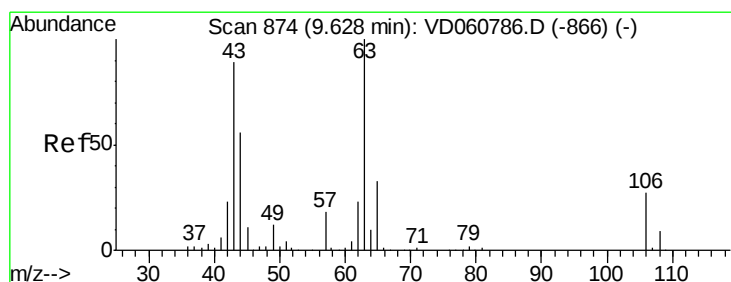
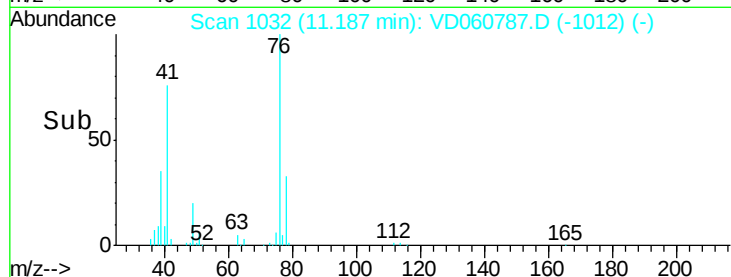
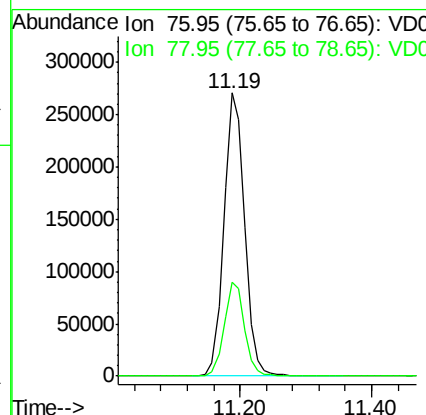
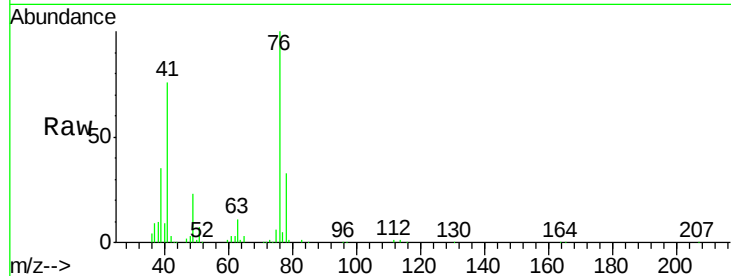
#57
 1,3-Dichloropropane
 Concen: 72.780 ug/l
 RT: 11.19 min Scan# 1032
 Delta R.T. -0.01 min
 Lab File: VD060787.D
 Acq: 23 Jan 2019 17:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion: 76 Resp: 590592
 Ion Ratio Lower Upper
 76 100
 78 33.0 24.0 36.0

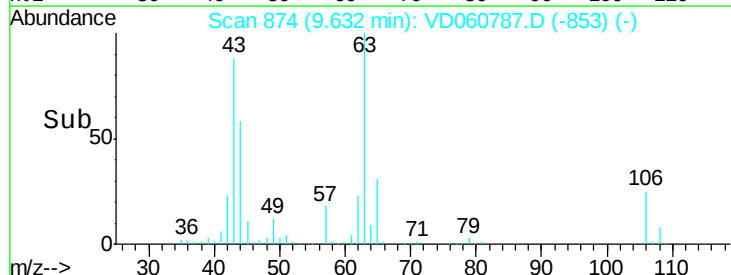
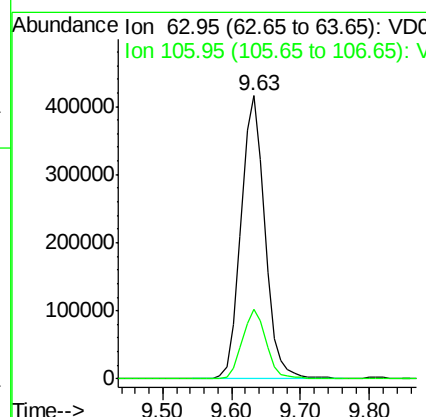
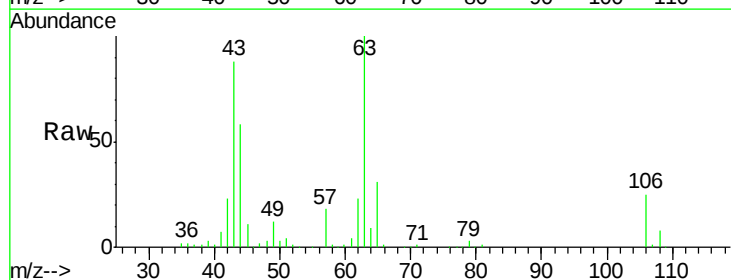
Manual Integrations
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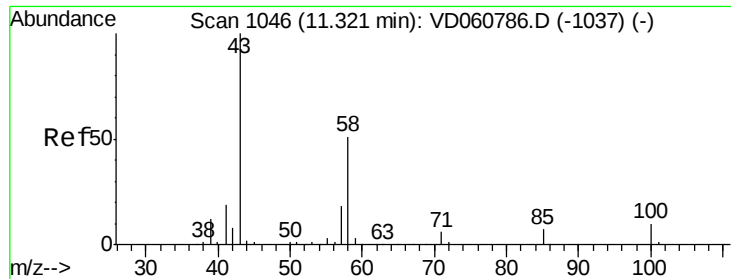
MMDadoda
 1/24/2019 12:49:52 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 329.774 ug/l
 RT: 9.63 min Scan# 874
 Delta R.T. 0.00 min
 Lab File: VD060787.D
 Acq: 23 Jan 2019 17:34

Tgt Ion: 63 Resp: 1001559
 Ion Ratio Lower Upper
 63 100
 106 24.7 21.6 32.4





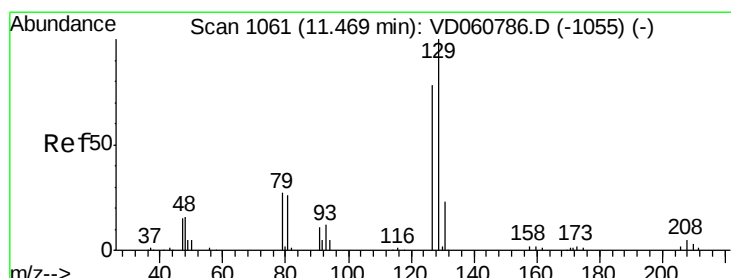
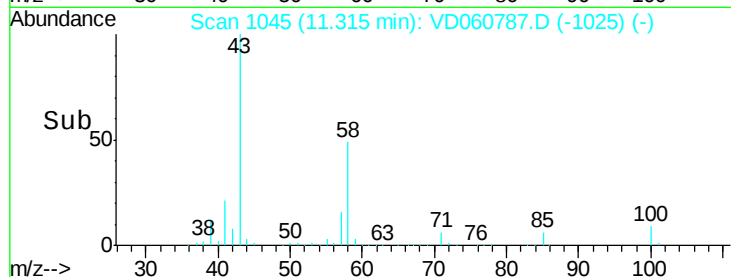
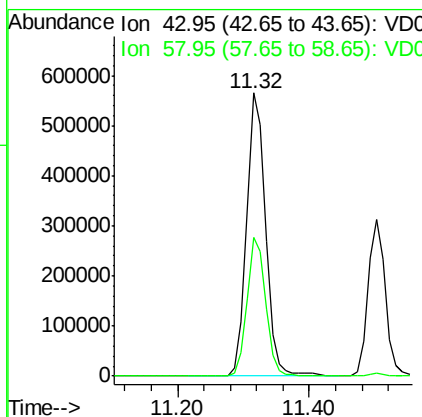
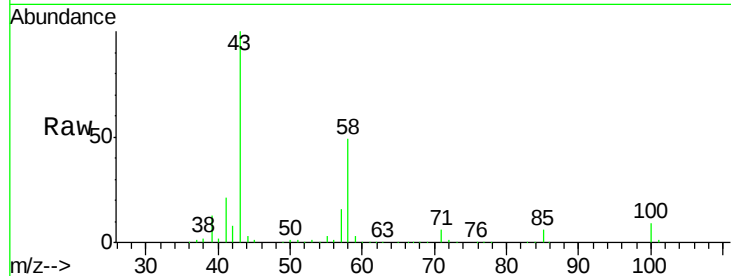
#59
2-Hexanone
Concen: 362.804 ug/l
RT: 11.32 min Scan# 1045
Delta R.T. -0.01 min
Lab File: VD060787.D
Acq: 23 Jan 2019 17:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 43 Resp: 1150124
Ion Ratio Lower Upper
43 100
58 48.9 25.4 76.2

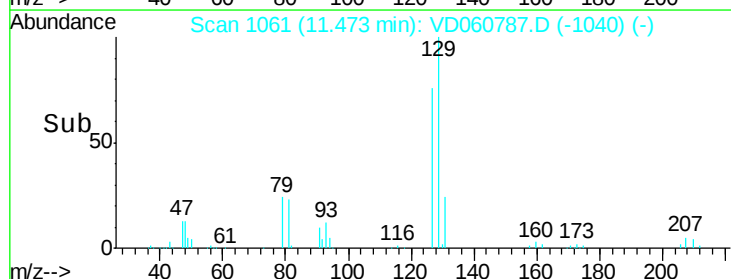
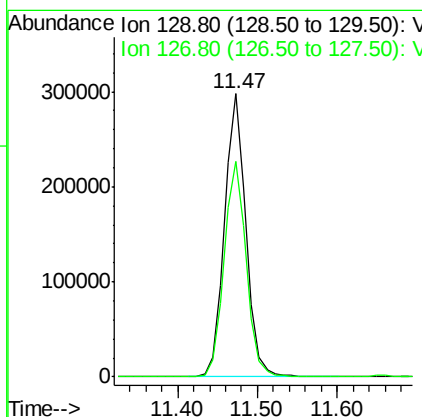
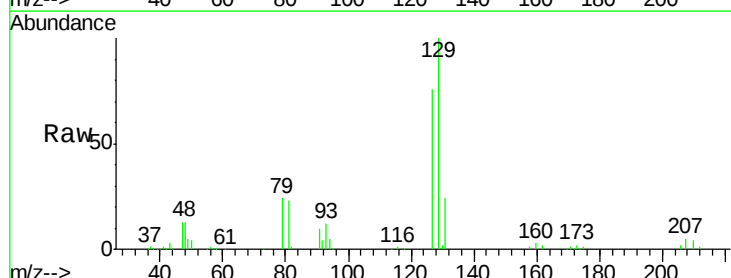
Manual Integrations
APPROVED

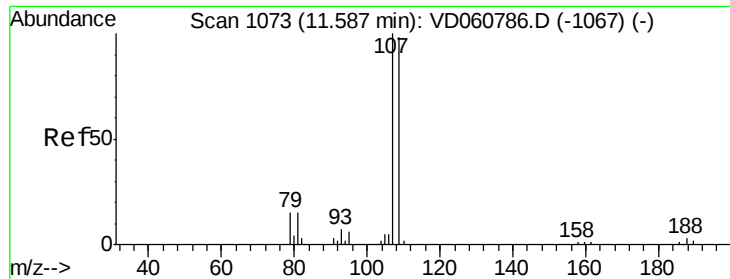
MMDadoda
1/24/2019 12:49:52 PM



#60
Dibromochloromethane
Concen: 77.034 ug/l
RT: 11.47 min Scan# 1061
Delta R.T. 0.00 min
Lab File: VD060787.D
Acq: 23 Jan 2019 17:34

Tgt Ion: 129 Resp: 565727
Ion Ratio Lower Upper
129 100
127 76.1 39.0 117.0





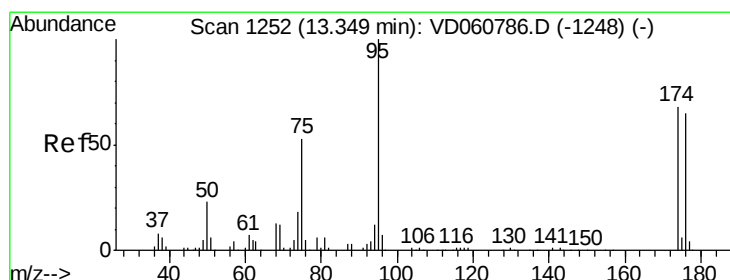
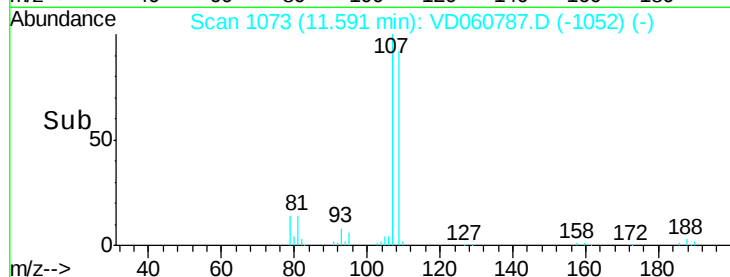
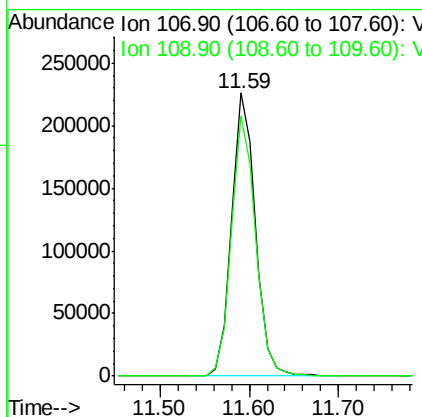
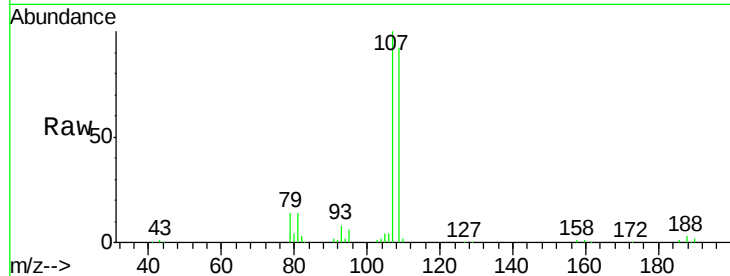
#61
 1,2-Dibromoethane
 Concen: 80.959 ug/l
 RT: 11.59 min Scan# 1073
 Delta R.T. 0.00 min
 Lab File: VD060787.D
 Acq: 23 Jan 2019 17:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion: 107 Resp: 425308
 Ion Ratio Lower Upper
 107 100
 109 91.8 78.2 117.2

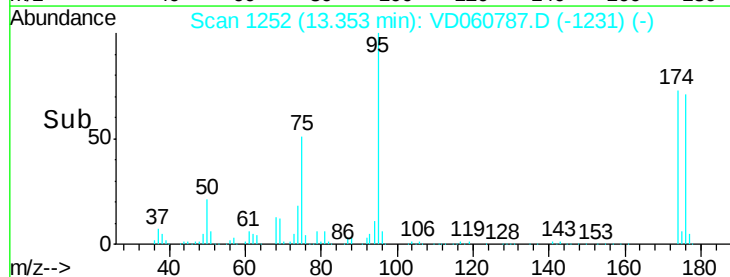
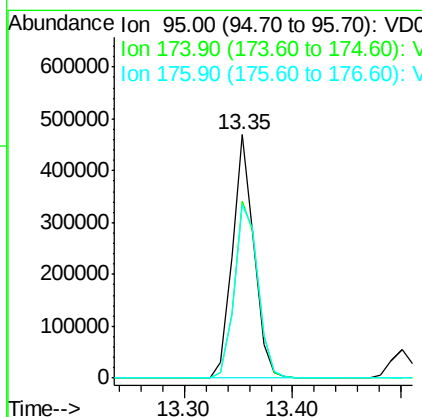
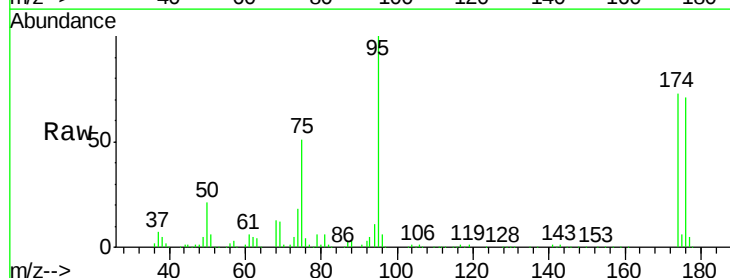
Manual Integrations
 APPROVED

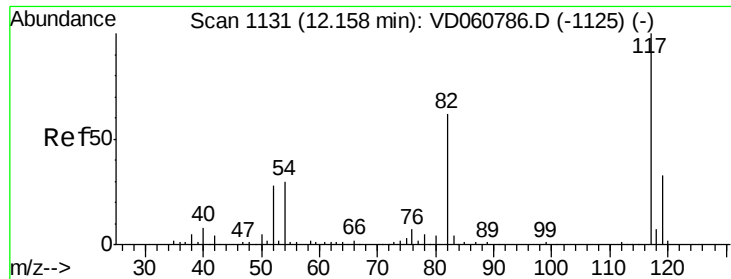
MMDadoda
 1/24/2019 12:49:52 PM



#62
 4-Bromofluorobenzene
 Concen: 80.959 ug/l
 RT: 13.35 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VD060787.D
 Acq: 23 Jan 2019 17:34

Tgt Ion: 95 Resp: 650264
 Ion Ratio Lower Upper
 95 100
 174 72.6 0.0 135.6
 176 71.1 0.0 130.6





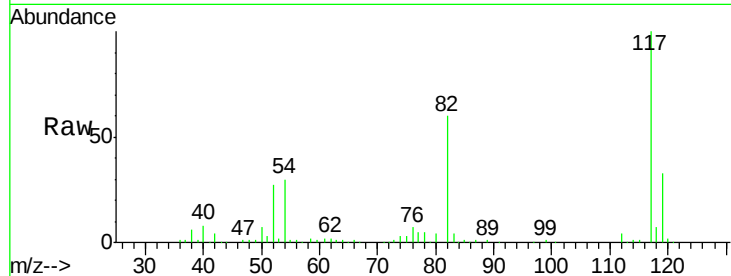
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.16 min Scan# 1131
Delta R.T. 0.00 min
Lab File: VD060787.D
Acq: 23 Jan 2019 17:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
117	100	705855		
82	60.4	49.5	74.3	
119	32.7	26.2	39.4	

Manual Integrations
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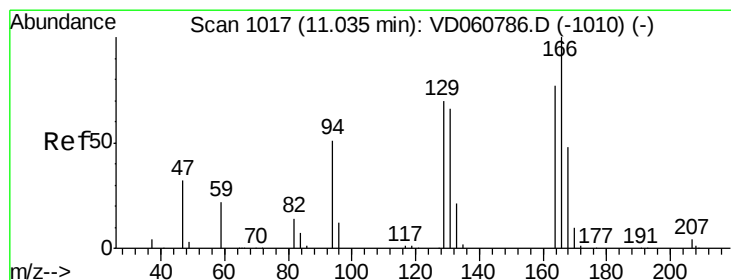
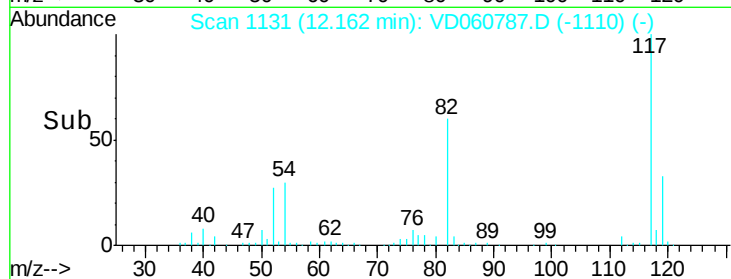
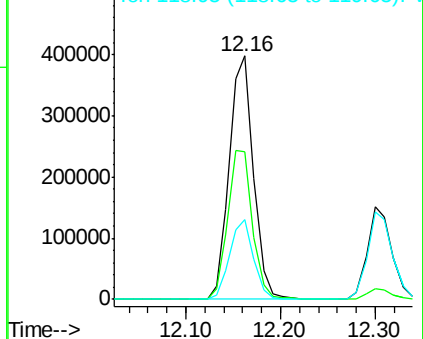


Abundance

Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



#64
Tetrachloroethene
Concen: 78.249 ug/l
RT: 11.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VD060787.D
Acq: 23 Jan 2019 17:34

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	483770		
166	127.3	103.8	155.6	
129	89.1	72.2	108.2	
131	89.2	68.2	102.4	

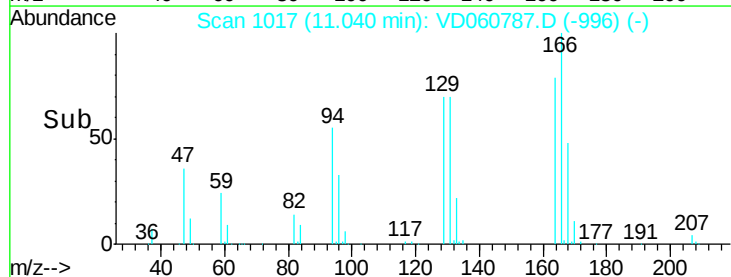
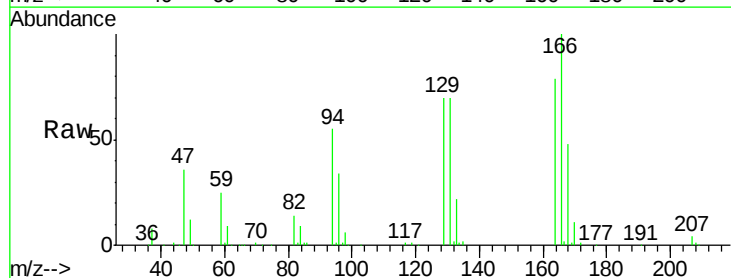
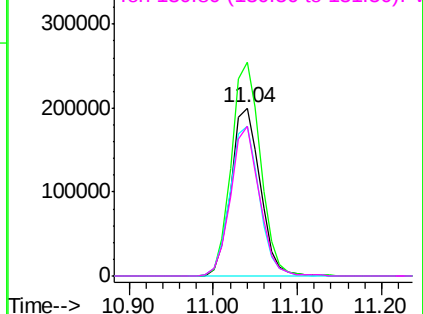
Abundance

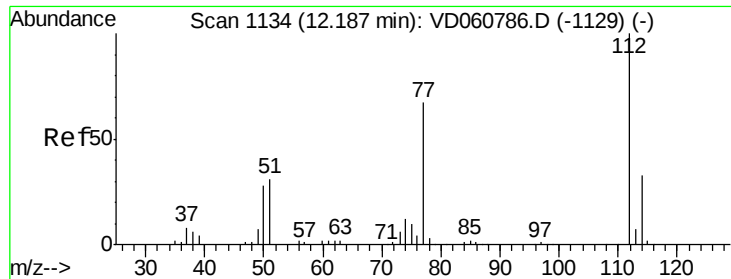
Ion 163.85 (163.55 to 164.55): V

Ion 165.85 (165.55 to 166.55): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





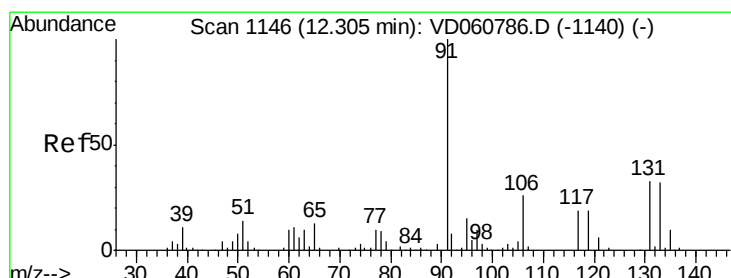
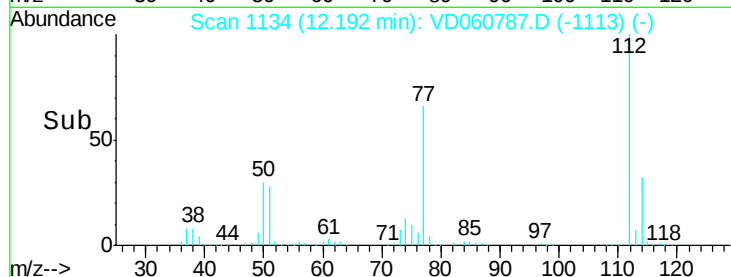
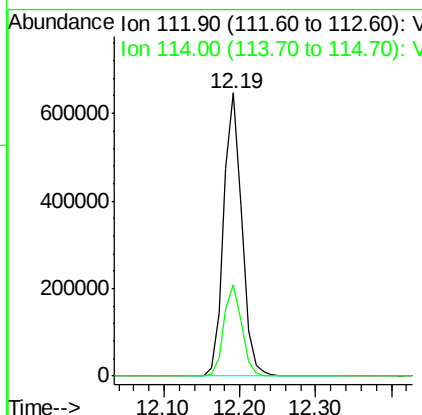
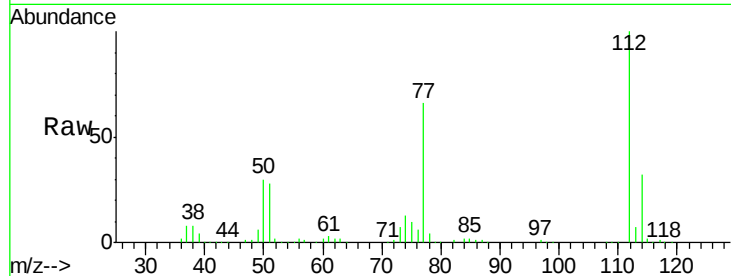
#65
Chlorobenzene
Concen: 76.105 ug/l
RT: 12.19 min Scan# 1134
Delta R.T. 0.00 min
Lab File: VD060787.D
Acq: 23 Jan 2019 17:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion:112 Resp: 1076808
Ion Ratio Lower Upper
112 100
114 32.1 26.4 39.6

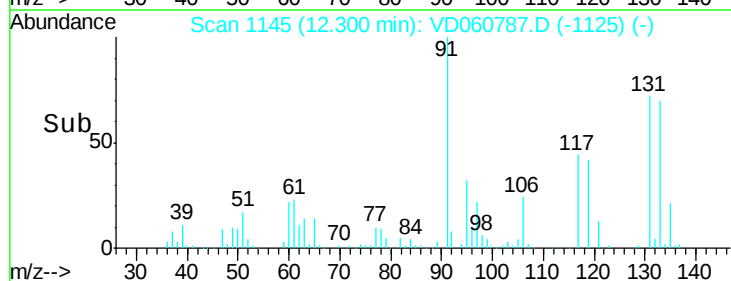
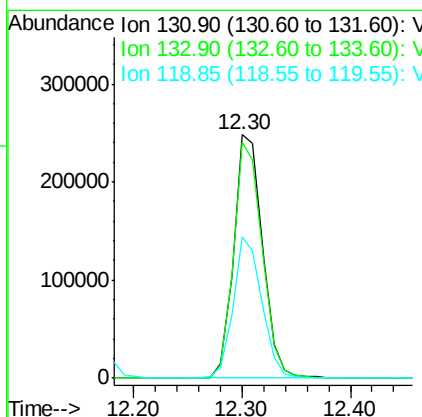
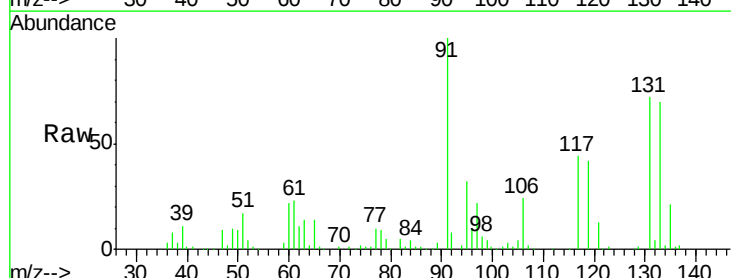
Manual Integrations
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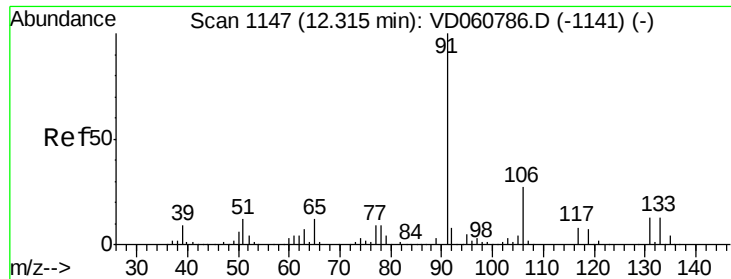
MMDadoda
1/24/2019 12:49:52 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 72.936 ug/l
RT: 12.30 min Scan# 1145
Delta R.T. -0.01 min
Lab File: VD060787.D
Acq: 23 Jan 2019 17:34

Tgt Ion:131 Resp: 459316
Ion Ratio Lower Upper
131 100
133 97.0 48.3 144.8
119 57.8 28.0 84.0





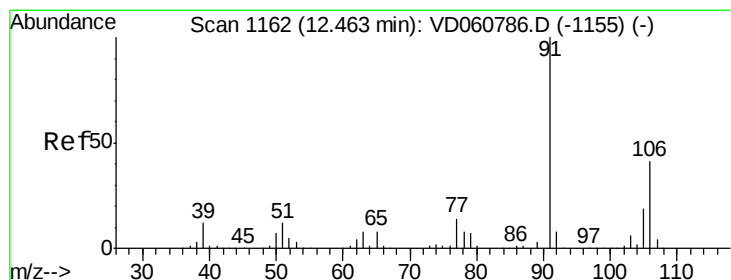
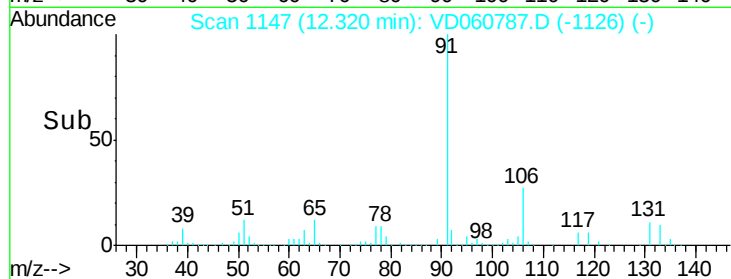
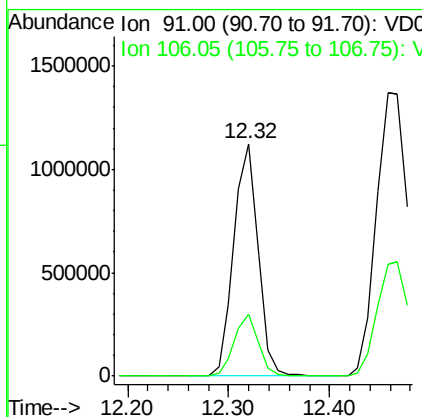
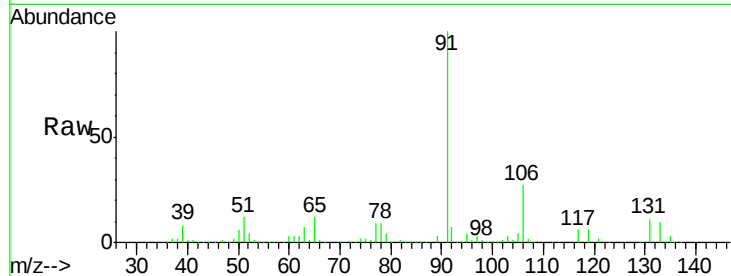
#67
Ethyl Benzene
Concen: 71.534 ug/l
RT: 12.32 min Scan# 1147
Delta R.T. 0.00 min
Lab File: VD060787.D
Acq: 23 Jan 2019 17:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 91 Resp: 1885999
Ion Ratio Lower Upper
91 100
106 26.6 21.4 32.2

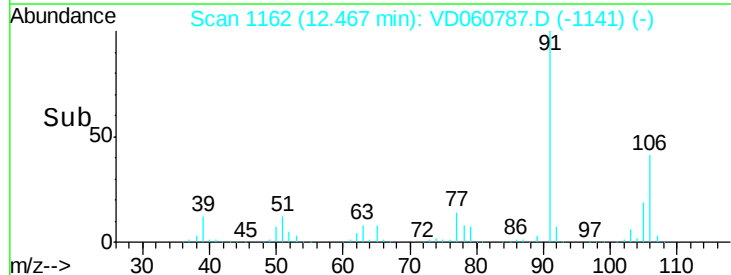
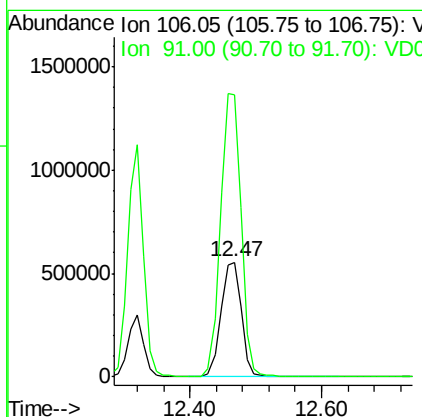
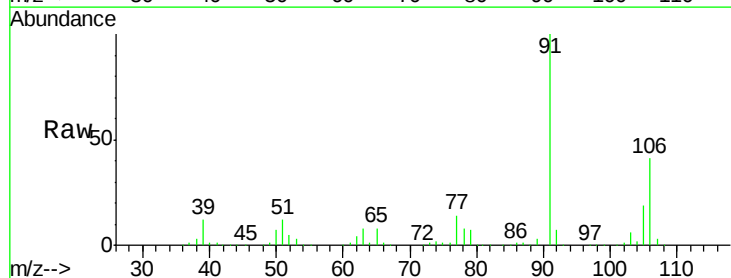
Manual Integrations
APPROVED

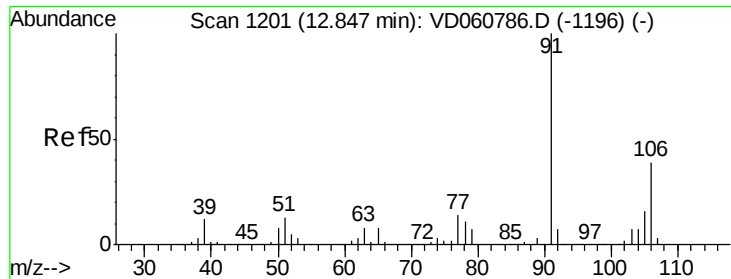
MMDadoda
1/24/2019 12:49:52 PM



#68
m/p-Xylenes
Concen: 138.298 ug/l
RT: 12.47 min Scan# 1162
Delta R.T. 0.00 min
Lab File: VD060787.D
Acq: 23 Jan 2019 17:34

Tgt Ion: 106 Resp: 1194928
Ion Ratio Lower Upper
106 100
91 245.2 195.6 293.4





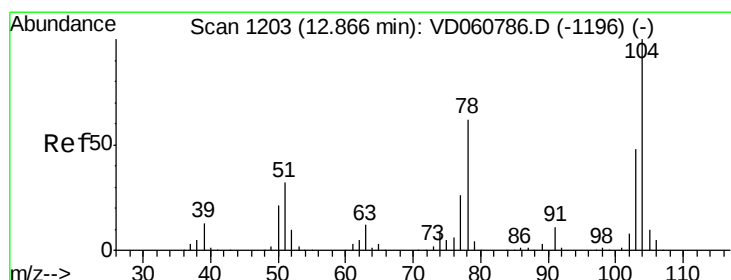
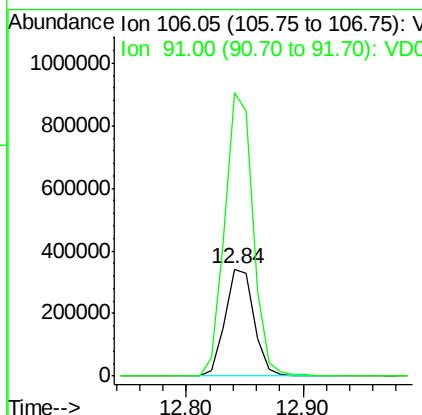
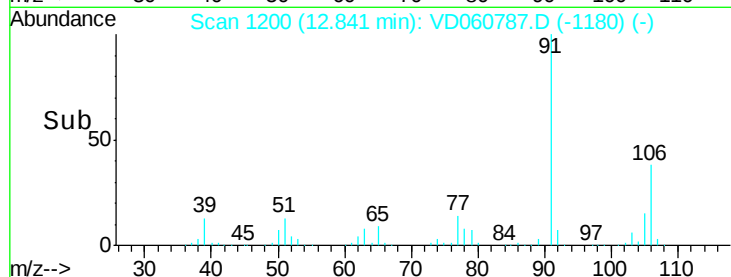
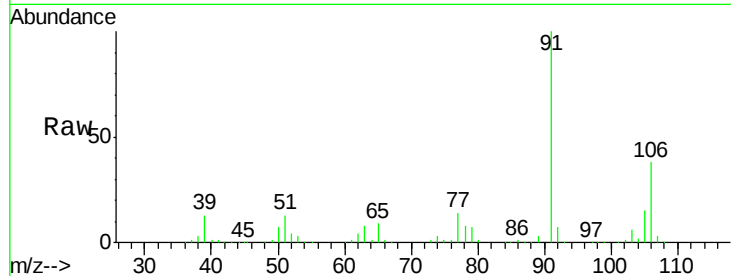
#69
o-Xylene
Concen: 72.572 ug/l
RT: 12.84 min Scan# 1200
Delta R.T. -0.01 min
Lab File: VD060787.D
Acq: 23 Jan 2019 17:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion:106 Resp: 588940
Ion Ratio Lower Upper
106 100
91 263.7 127.2 381.5

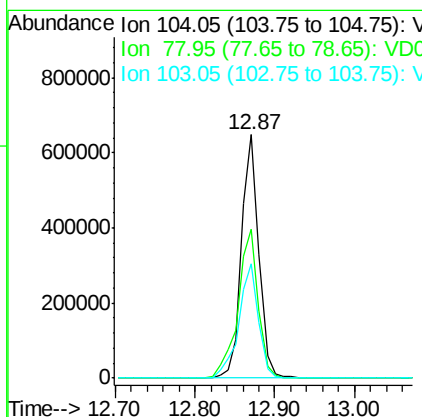
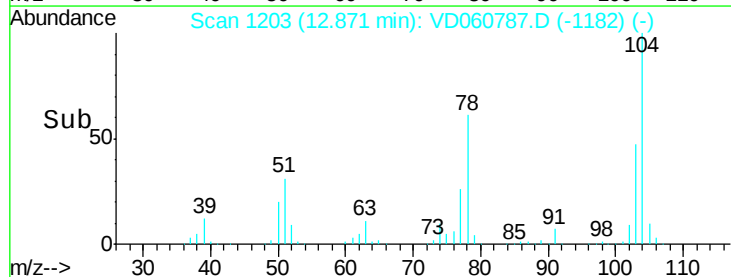
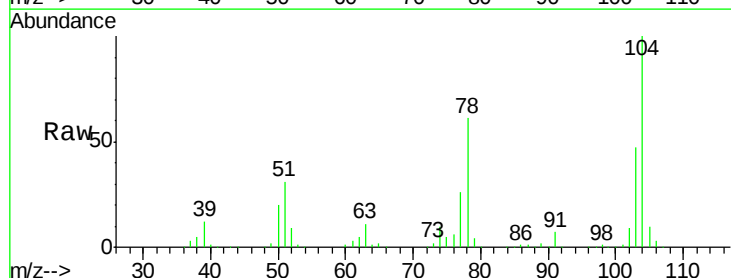
Manual Integrations
APPROVED

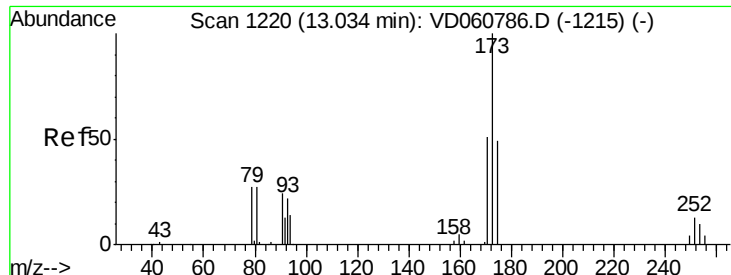
MMDadoda
1/24/2019 12:49:52 PM



#70
Styrene
Concen: 68.509 ug/l
RT: 12.87 min Scan# 1203
Delta R.T. 0.00 min
Lab File: VD060787.D
Acq: 23 Jan 2019 17:34

Tgt Ion:104 Resp: 979131
Ion Ratio Lower Upper
104 100
78 60.9 49.7 74.5
103 46.8 38.2 57.2





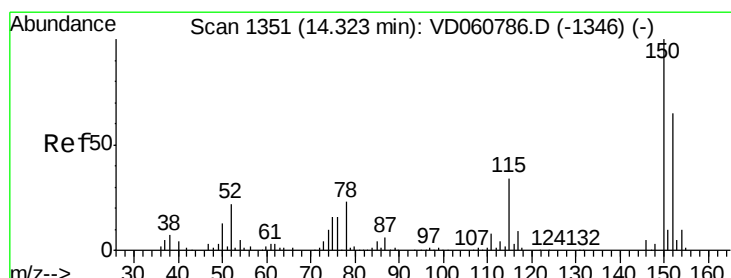
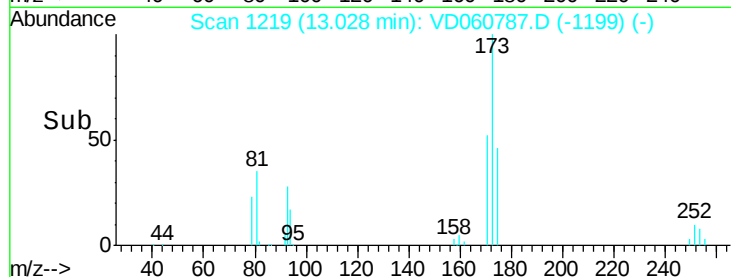
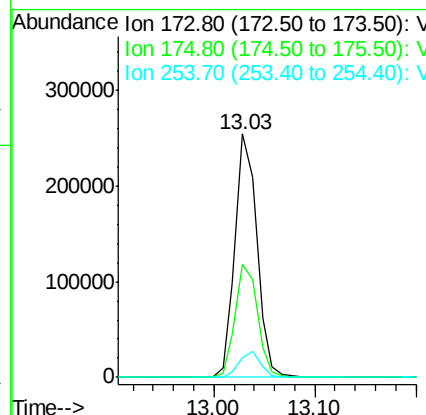
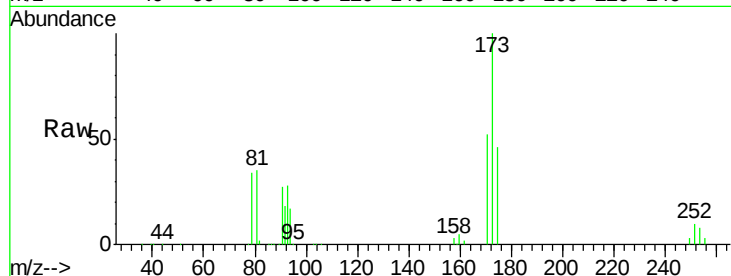
#71
Bromoform
Concen: 82.850 ug/l
RT: 13.03 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VD060787.D
Acq: 23 Jan 2019 17:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.5	24.3	72.9
254	8.0	8.2	12.4

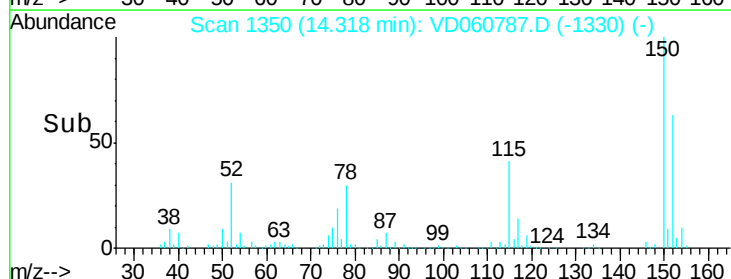
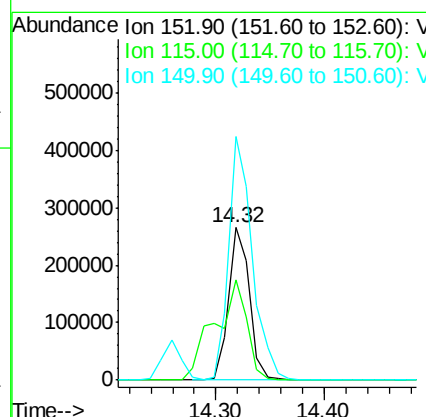
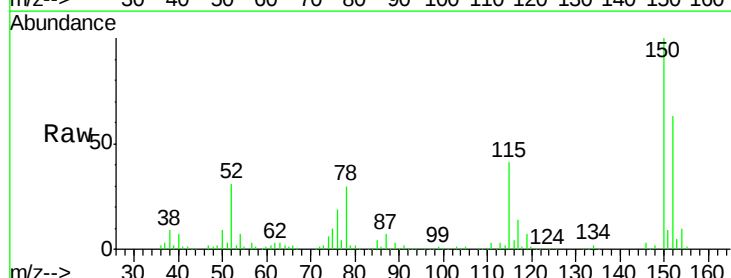
Manual Integrations
APPROVED

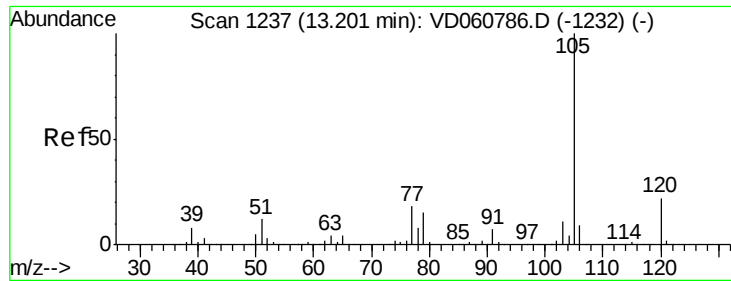
MMDadoda
1/24/2019 12:49:52 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.32 min Scan# 1350
Delta R.T. -0.01 min
Lab File: VD060787.D
Acq: 23 Jan 2019 17:34

Tgt Ion	Ratio	Lower	Upper
152	100		
115	65.9	28.1	84.3
150	159.7	0.0	314.0





#73

Isopropylbenzene

Concen: 74.619 ug/l

RT: 13.21 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VD060787.D

Acq: 23 Jan 2019 17:34

Instrument :

MSVOA_D

ClientSampled :

VSTDIC075

Tot Ion:105 Resp: 1944937

Ion Ratio Lower Upper

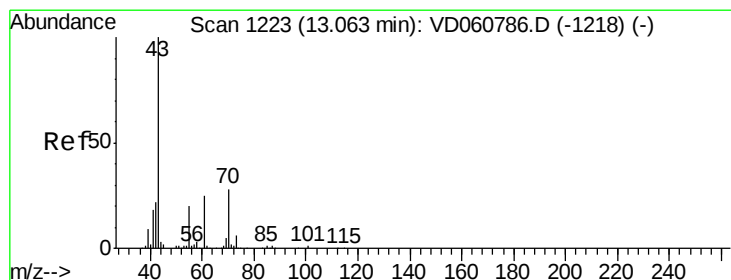
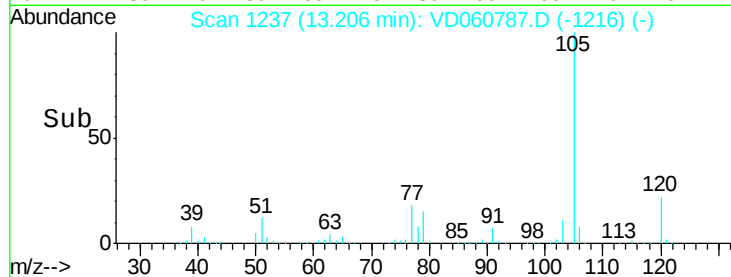
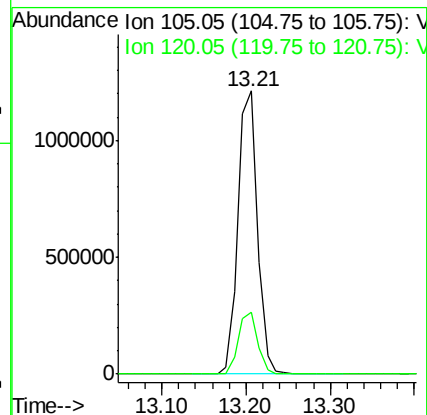
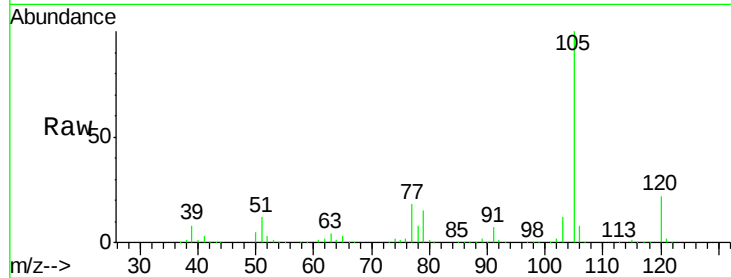
105 100

120 21.9 11.1 33.3

Manual Integrations
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MMDadoda

1/24/2019 12:49:52 PM



#74

N-ethyl acetate

Concen: 79.995 ug/l

RT: 13.07 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD060787.D

Acq: 23 Jan 2019 17:34

Tgt Ion: 43 Resp: 660514

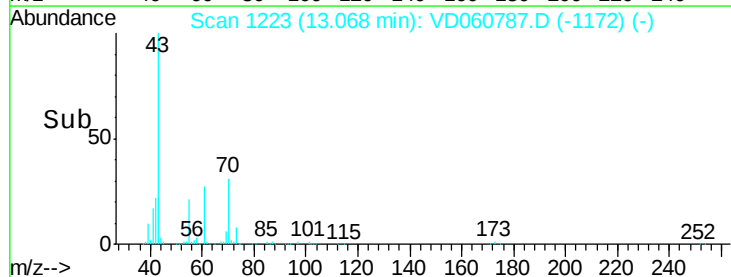
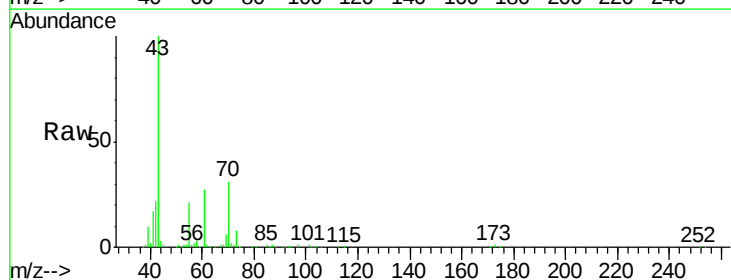
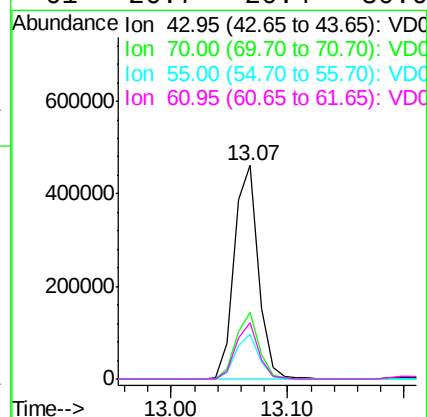
Ion Ratio Lower Upper

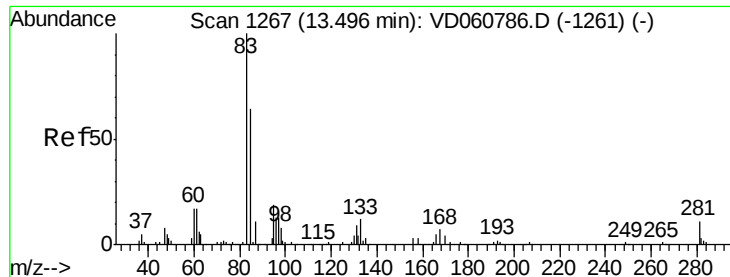
43 100

70 31.1 22.6 33.8

55 20.8 16.2 24.2

61 26.7 20.4 30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 80.239 ug/l

RT: 13.50 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VD060787.D

Acq: 23 Jan 2019 17:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 83 Resp: 388599

Ion Ratio Lower Upper

83 100

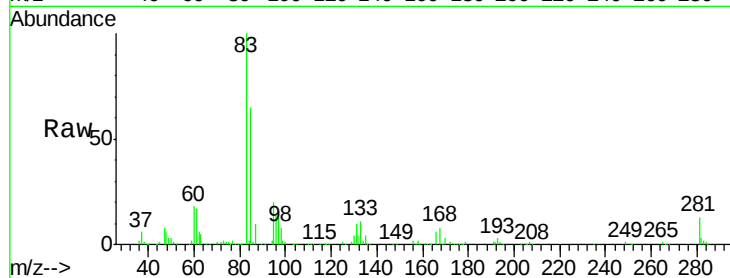
131 10.3 4.5 13.5

85 65.0 32.2 96.6

Manual Integrations
APPROVED

MMDadoda

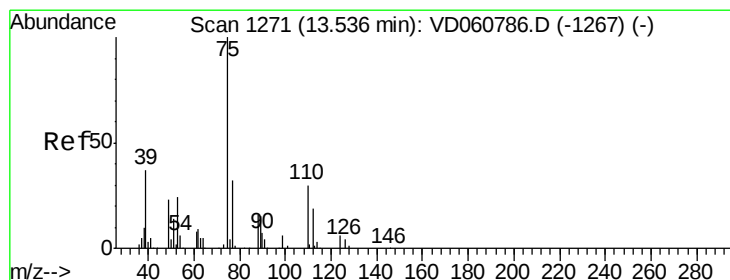
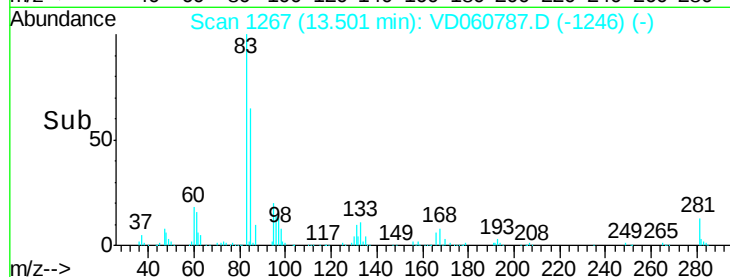
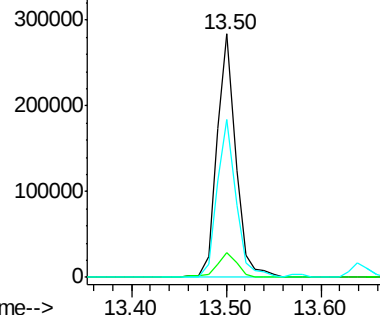
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Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 80.443 ug/l

RT: 13.53 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VD060787.D

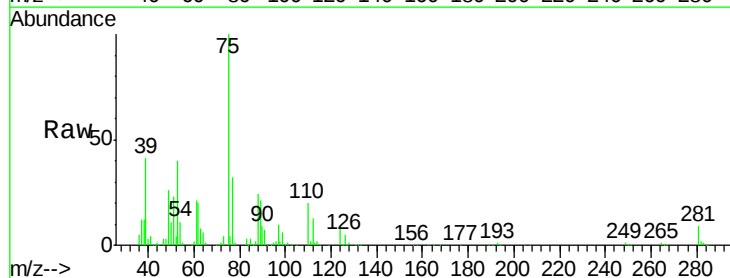
Acq: 23 Jan 2019 17:34

Tgt Ion: 75 Resp: 473484

Ion Ratio Lower Upper

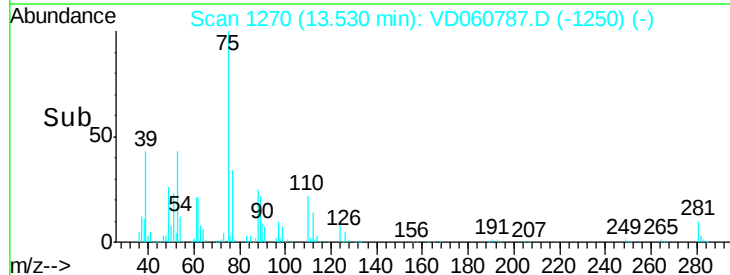
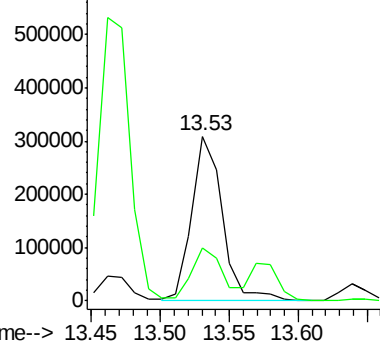
75 100

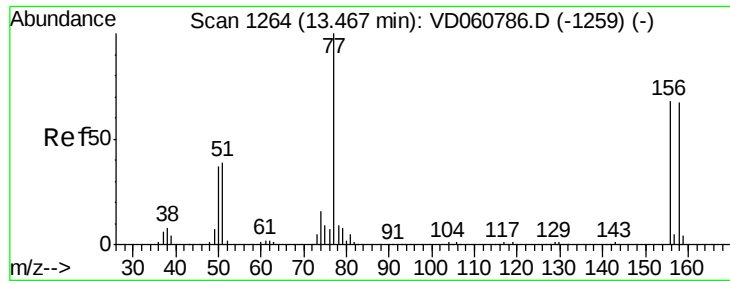
77 31.8 17.5 52.5



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 77.258 ug/l

RT: 13.47 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VD060787.D

Acq: 23 Jan 2019 17:34

Instrument :

MSVOA_D

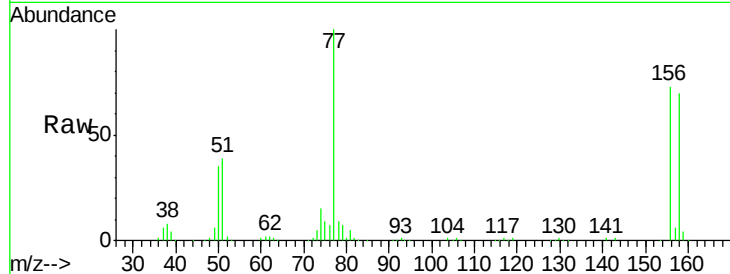
ClientSampleId :

VSTDIC075

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	137.6	74.0	222.0	
158	96.4	49.8	149.3	

Manual Integrations
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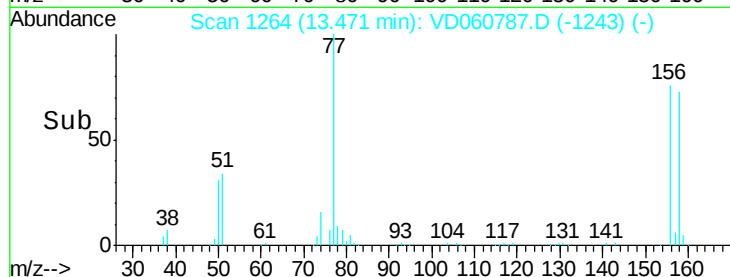


Abundance Ion 155.90 (155.60 to 156.60): V

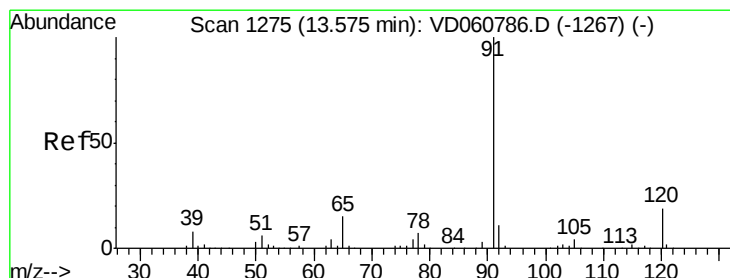
Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V

Time-->



Time-->



#78

n-propylbenzene

Concen: 70.077 ug/l

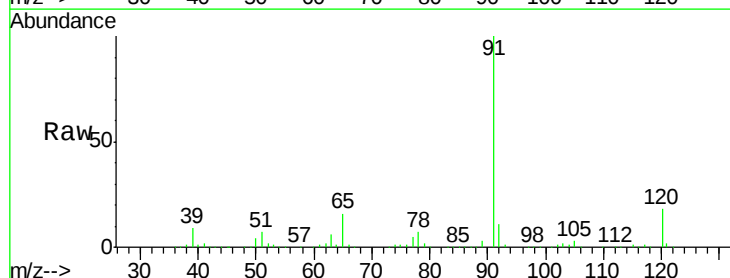
RT: 13.57 min Scan# 1274

Delta R.T. -0.01 min

Lab File: VD060787.D

Acq: 23 Jan 2019 17:34

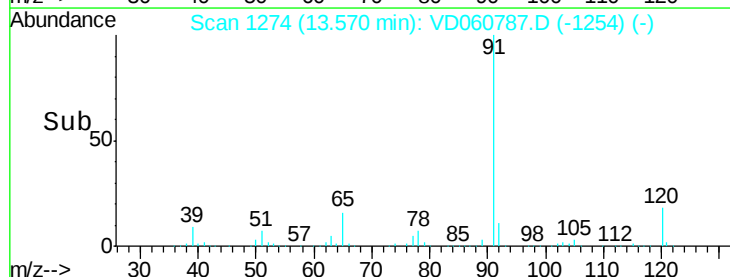
Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	17.6	9.7	28.9	



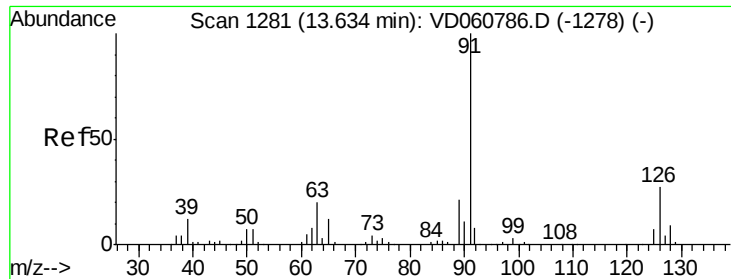
Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

Time-->



Time-->



#79

2-Chlorotoluene

Concen: 73.872 ug/l

RT: 13.64 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VD060787.D

Acq: 23 Jan 2019 17:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 91 Resp: 1399732

Ion Ratio Lower Upper

91 100

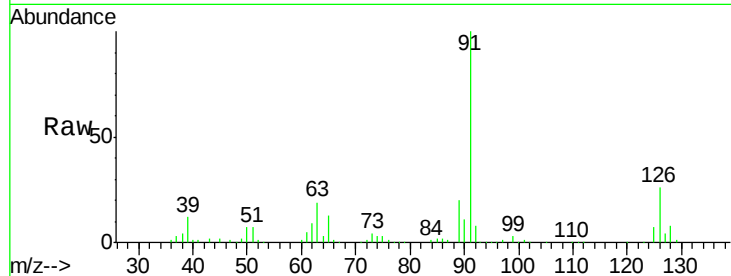
126 26.2 13.4 40.1

Manual Integrations

APPROVED

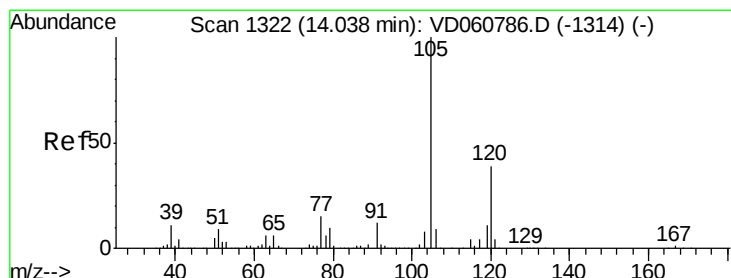
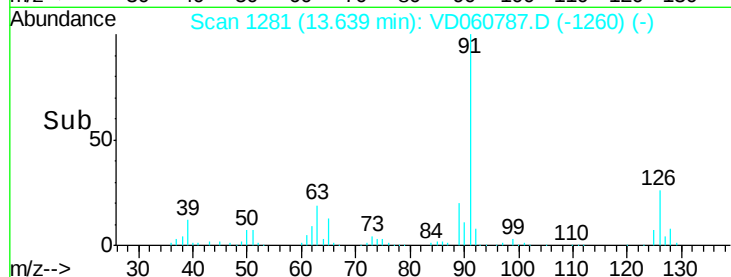
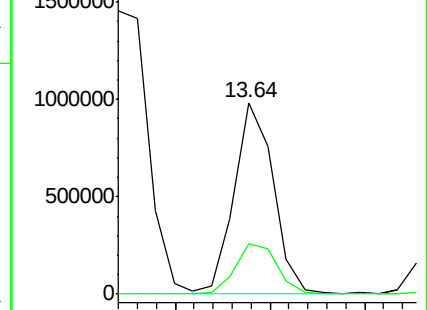
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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 72.229 ug/l

RT: 14.04 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VD060787.D

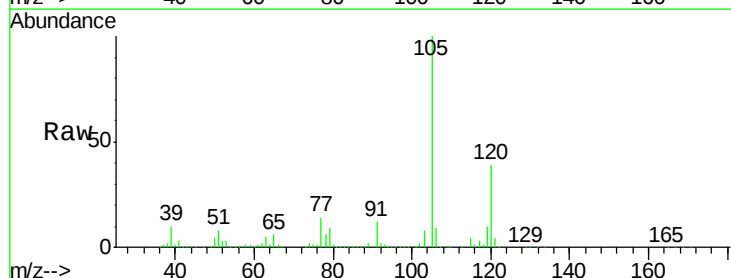
Acq: 23 Jan 2019 17:34

Tgt Ion:105 Resp: 1611600

Ion Ratio Lower Upper

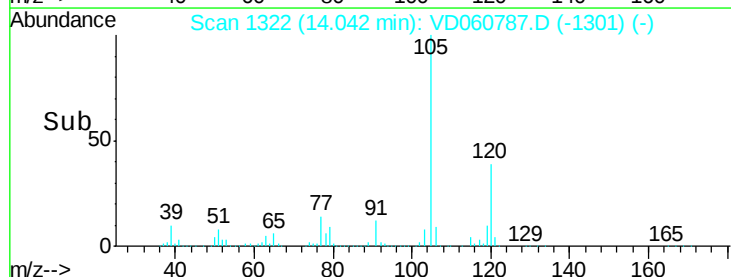
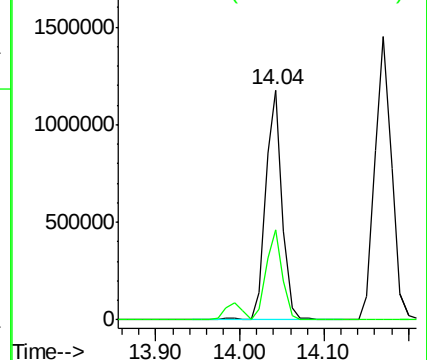
105 100

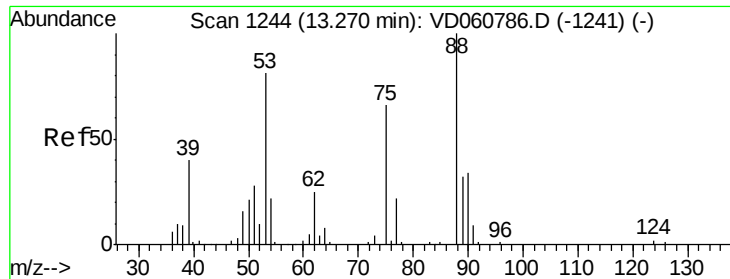
120 39.2 19.5 58.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





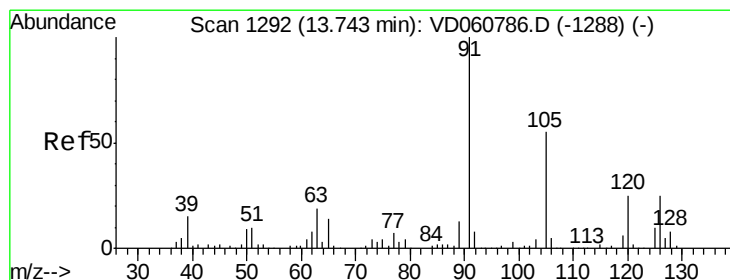
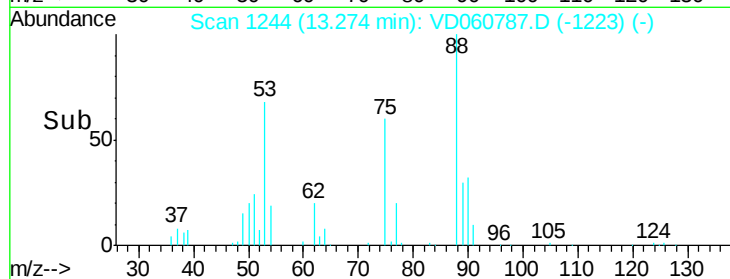
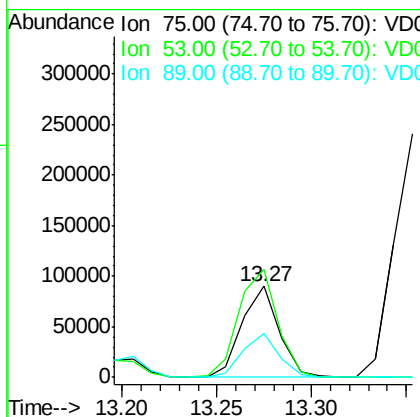
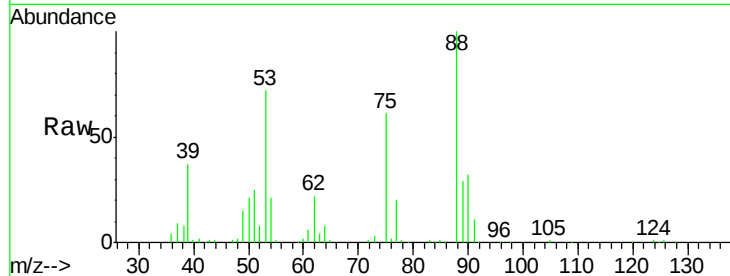
#81
trans-1,4-Dichloro-2-butene
Concen: 76.041 ug/l
RT: 13.27 min Scan# 1244
Delta R.T. 0.00 min
Lab File: VD060787.D
Acq: 23 Jan 2019 17:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
75	100		
53	119.0	99.0	148.6
89	48.5	39.5	59.3

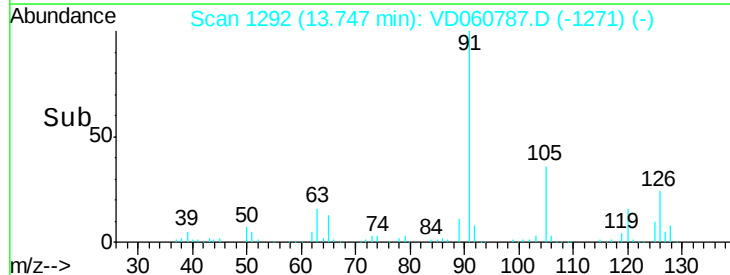
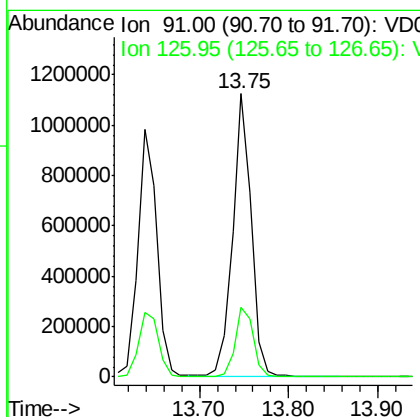
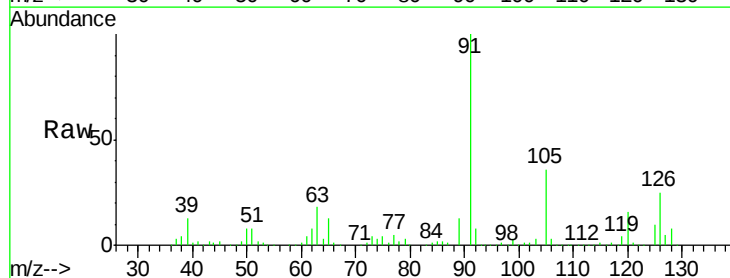
Manual Integrations
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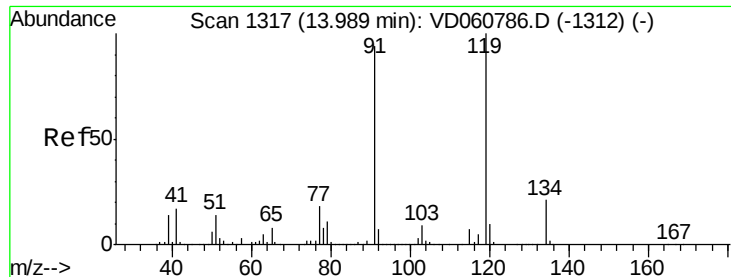
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#82
4-Chlorotoluene
Concen: 75.411 ug/l
RT: 13.75 min Scan# 1292
Delta R.T. 0.00 min
Lab File: VD060787.D
Acq: 23 Jan 2019 17:34

Tgt Ion	Ratio	Lower	Upper
91	100		
126	24.6	12.5	37.5





#83

tert-Butylbenzene

Concen: 73.881 ug/l

RT: 13.99 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD060787.D

Acq: 23 Jan 2019 17:34

Instrument :

MSVOA_D

ClientSampled :

VSTDIC075

Tot Ion:119 Resp: 1695730

Ion Ratio Lower Upper

119 100

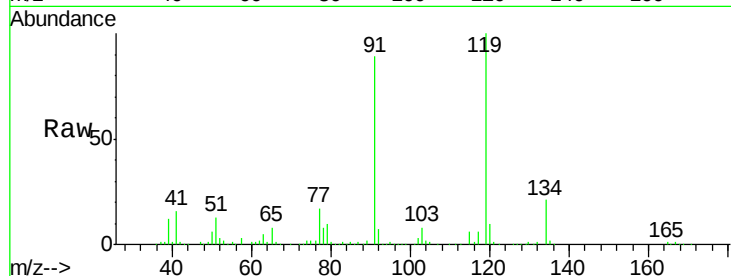
91 88.7 46.9 140.7

134 21.1 10.3 30.9

Manual Integrations
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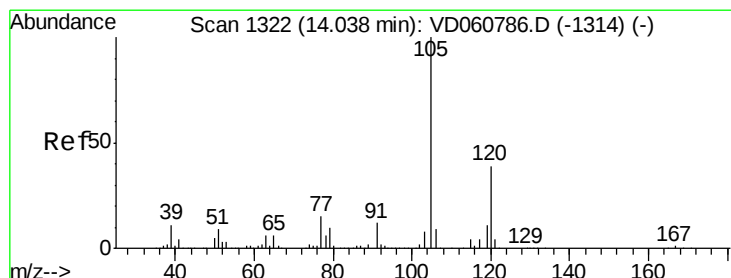
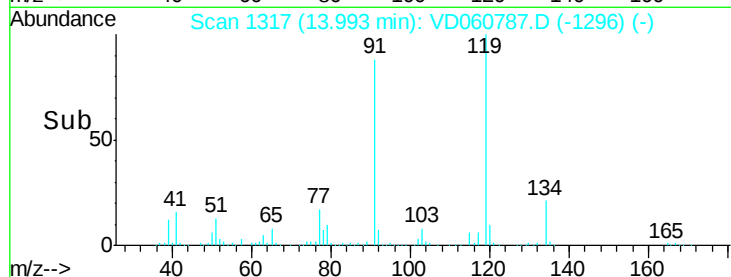
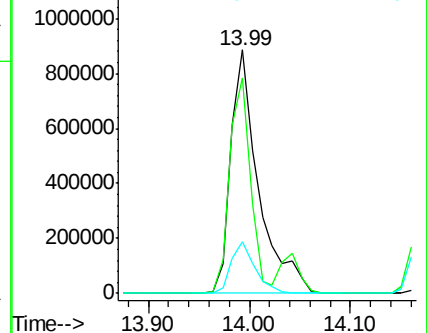
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Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 72.229 ug/l

RT: 14.04 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VD060787.D

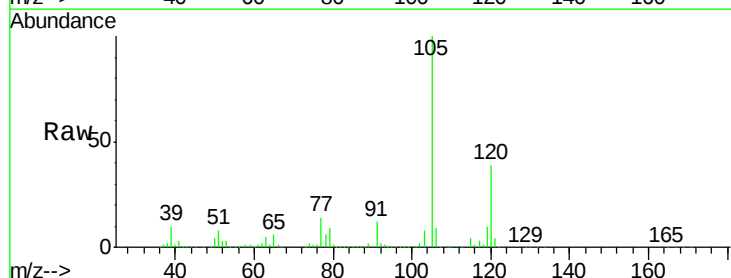
Acq: 23 Jan 2019 17:34

Tgt Ion:105 Resp: 1611600

Ion Ratio Lower Upper

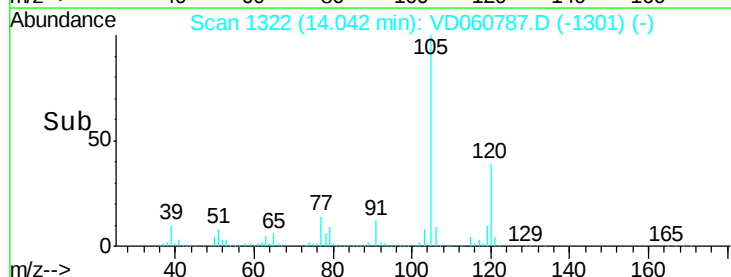
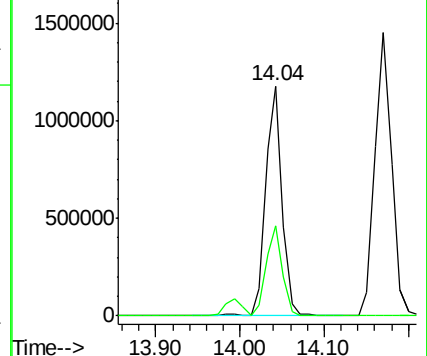
105 100

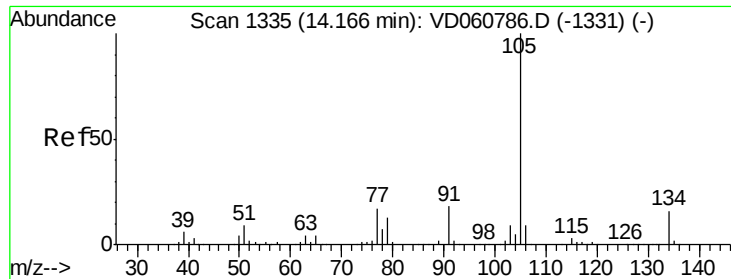
120 39.2 19.5 58.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 71.248 ug/l

RT: 14.17 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VD060787.D

Acq: 23 Jan 2019 17:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion:105 Resp: 1991732

Ion Ratio Lower Upper

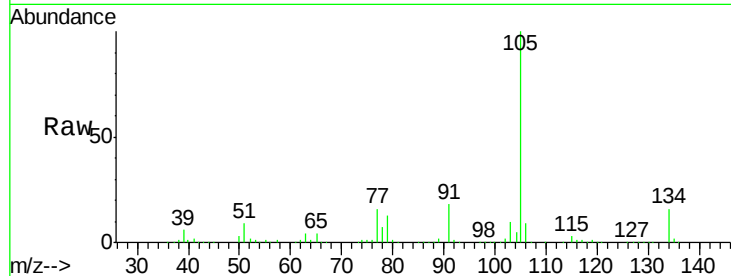
105 100

134 16.2 8.1 24.1

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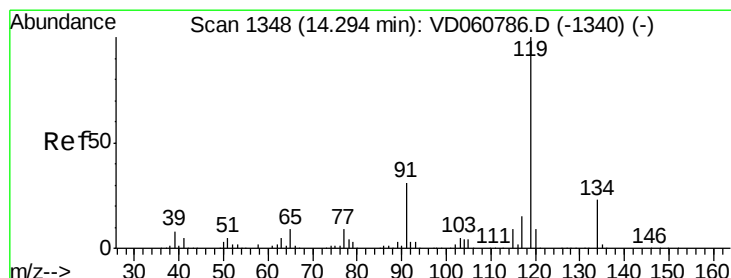
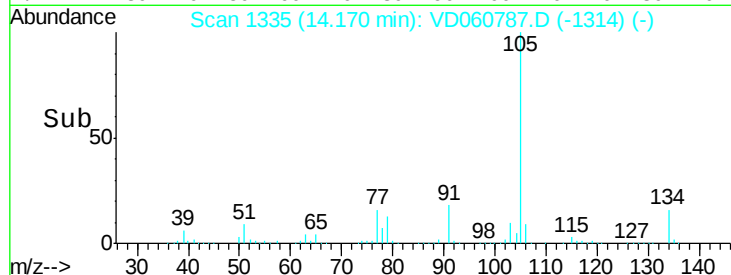
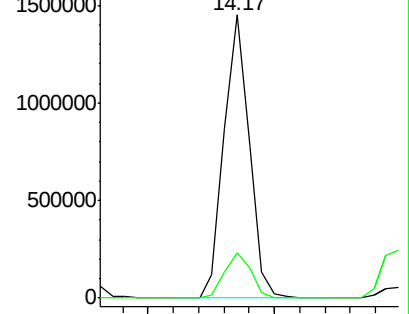
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 68.918 ug/l

RT: 14.30 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VD060787.D

Acq: 23 Jan 2019 17:34

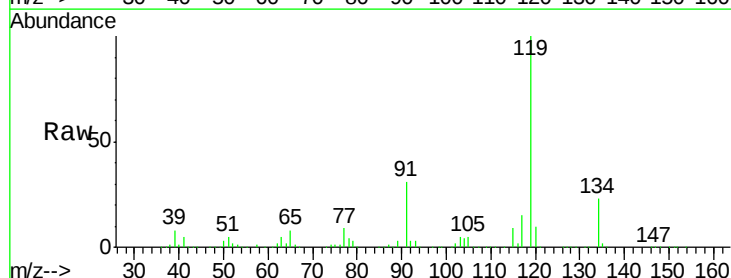
Tgt Ion:119 Resp: 1585239

Ion Ratio Lower Upper

119 100

134 22.7 11.4 34.2

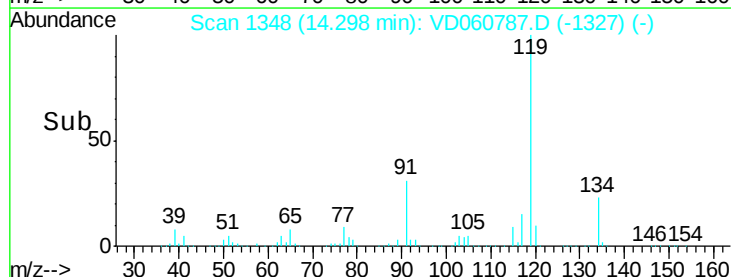
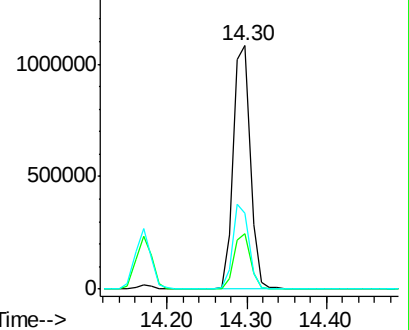
91 30.9 15.8 47.4

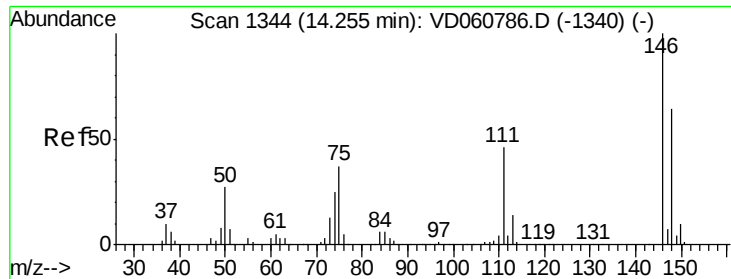


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V





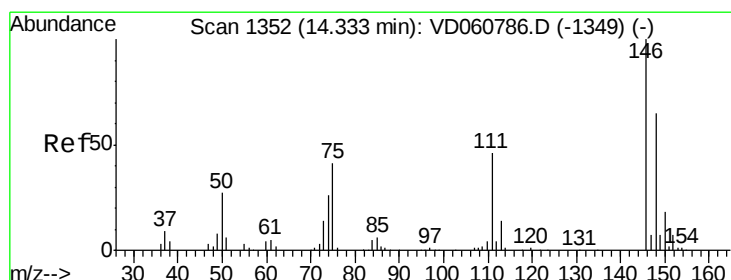
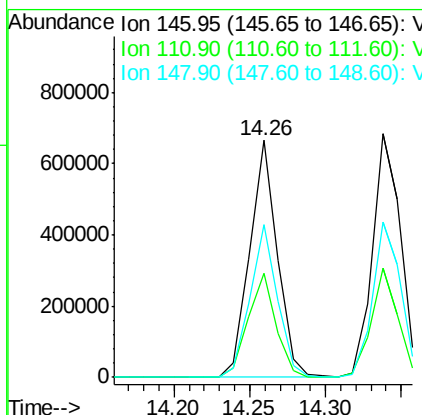
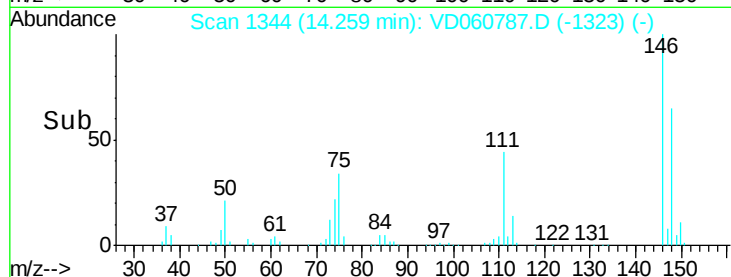
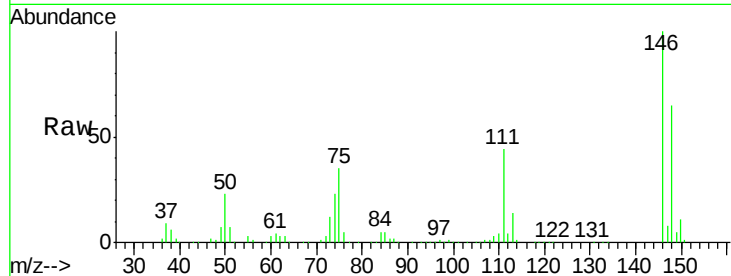
#87
 1,3-Dichlorobenzene
 Concen: 72.124 ug/l
 RT: 14.26 min Scan# 1344
 Delta R.T. 0.00 min
 Lab File: VD060787.D
 Acq: 23 Jan 2019 17:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.0	22.9	68.5
148	64.7	31.9	95.5

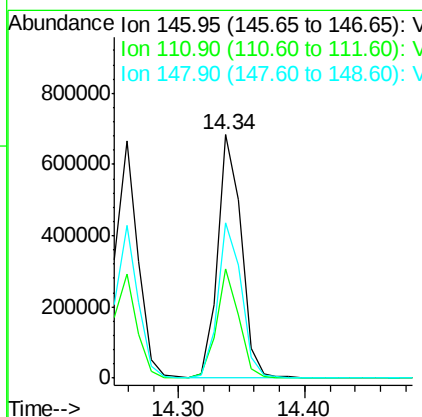
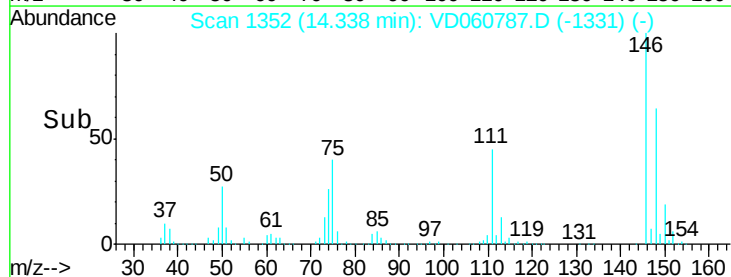
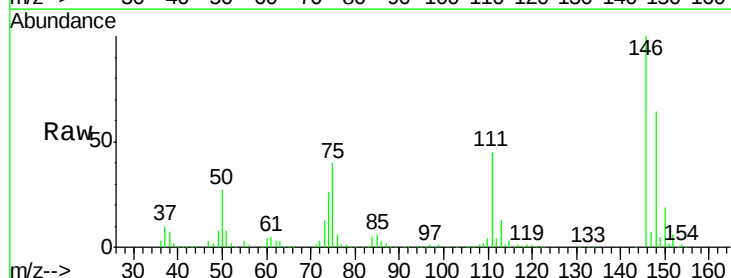
Manual Integrations
 APPROVED

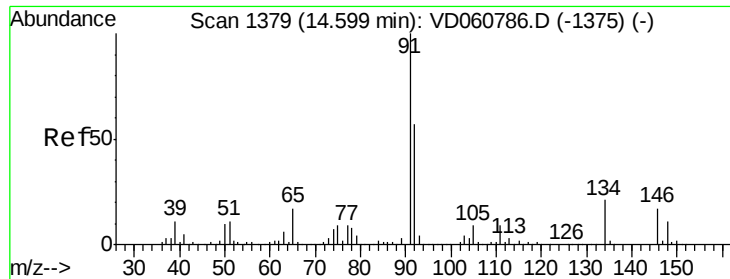
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#88
 1,4-Dichlorobenzene
 Concen: 74.055 ug/l
 RT: 14.34 min Scan# 1352
 Delta R.T. 0.00 min
 Lab File: VD060787.D
 Acq: 23 Jan 2019 17:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.1	23.0	69.0
148	64.0	32.3	96.9





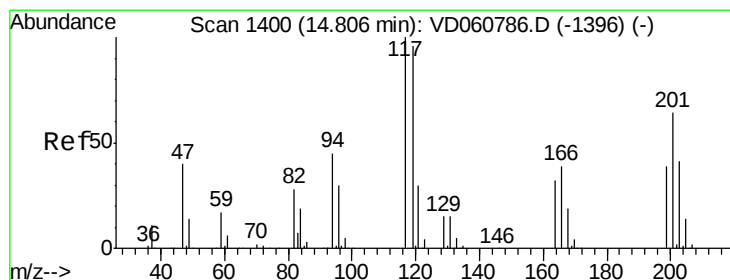
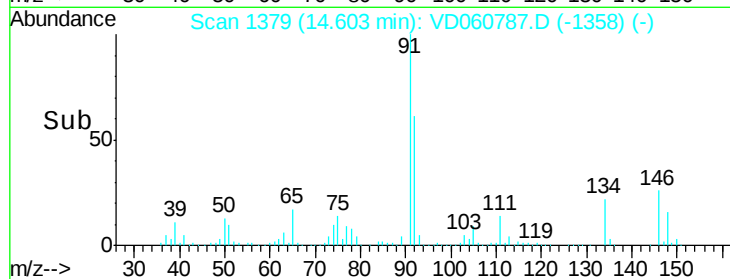
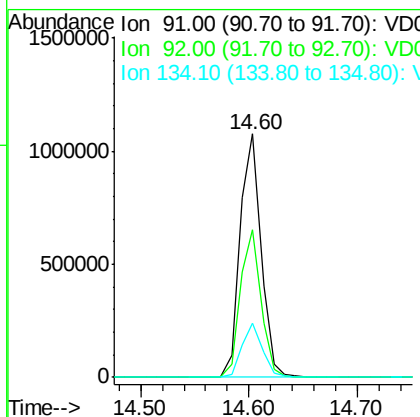
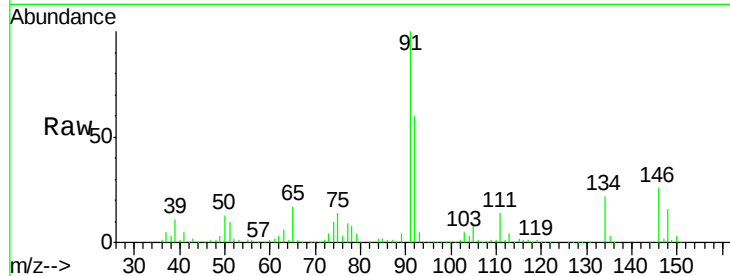
#89
n-Butylbenzene
Concen: 67.369 ug/l
RT: 14.60 min Scan# 1379
Delta R.T. 0.00 min
Lab File: VD060787.D
Acq: 23 Jan 2019 17:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
91	100		
92	60.5	28.6	85.9
134	22.3	10.4	31.1

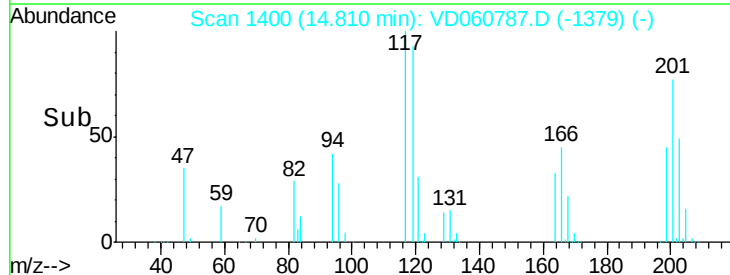
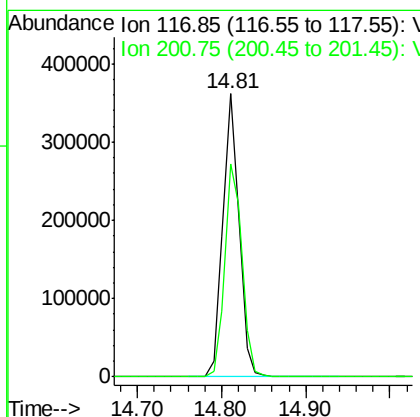
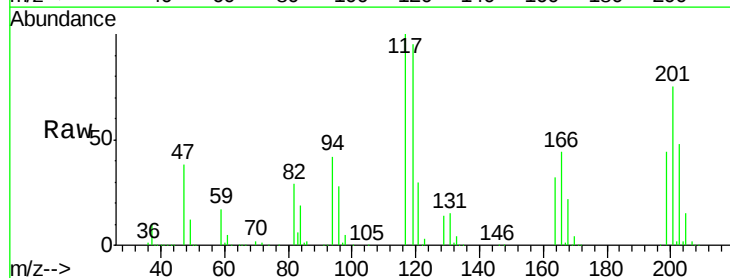
Manual Integrations
APPROVED

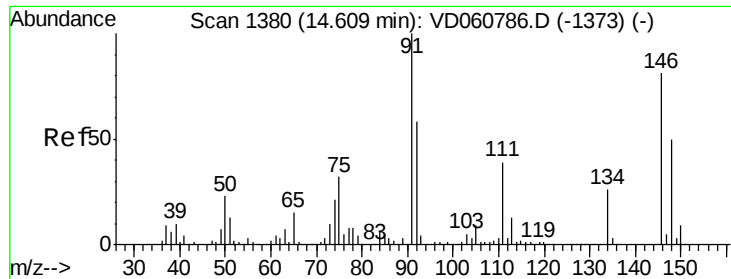
MMDadoda
1/24/2019 12:49:52 PM



#90
Hexachloroethane
Concen: 72.066 ug/l
RT: 14.81 min Scan# 1400
Delta R.T. 0.00 min
Lab File: VD060787.D
Acq: 23 Jan 2019 17:34

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.5	32.1	96.5





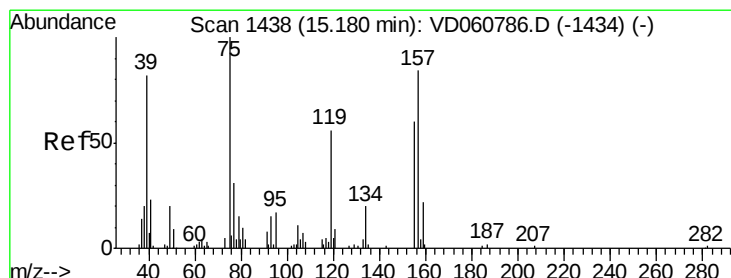
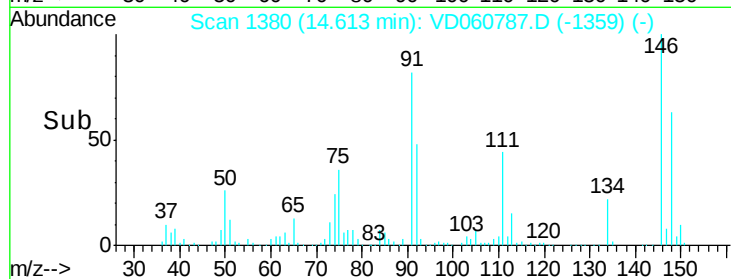
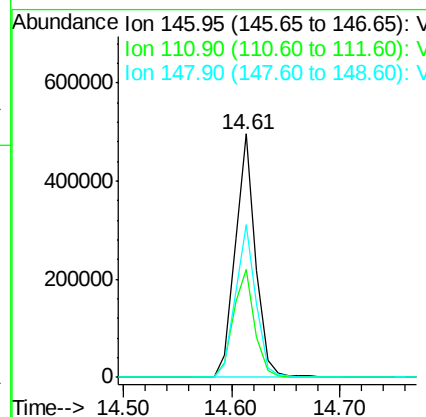
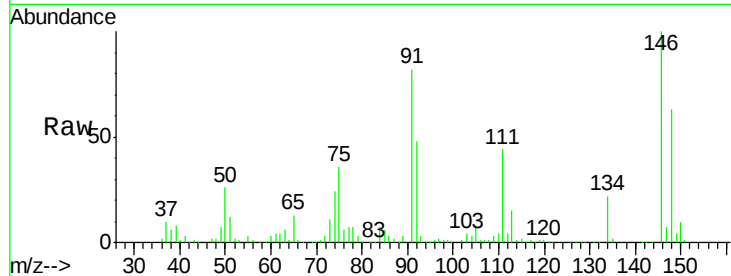
#91
 1,2-Dichlorobenzene
 Concen: 66.569 ug/l
 RT: 14.61 min Scan# 1380
 Delta R.T. 0.00 min
 Lab File: VD060787.D
 Acq: 23 Jan 2019 17:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.3	23.8	71.2
148	62.7	30.6	92.0

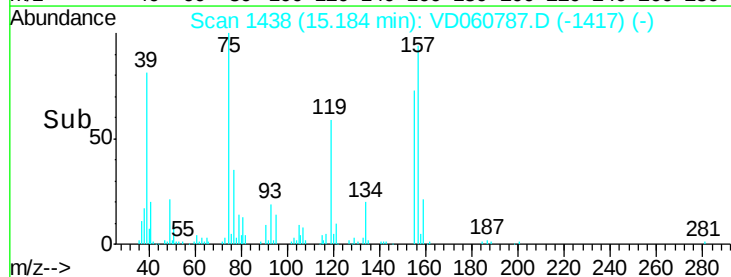
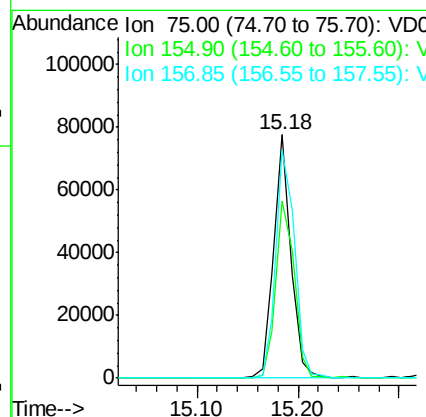
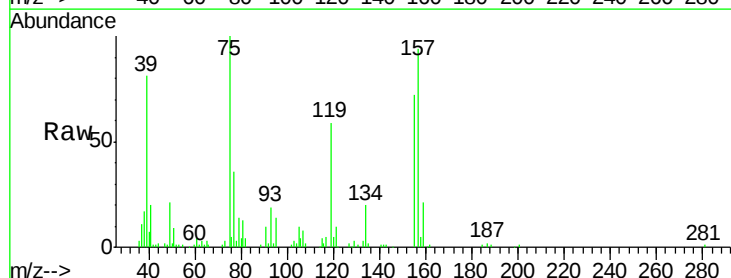
Manual Integrations
 APPROVED

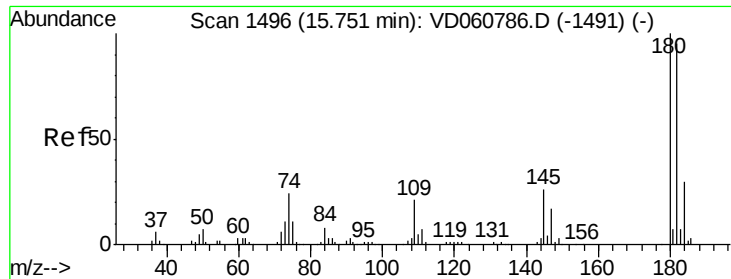
MMDadoda
 1/24/2019 12:49:52 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 77.776 ug/l
 RT: 15.18 min Scan# 1438
 Delta R.T. 0.00 min
 Lab File: VD060787.D
 Acq: 23 Jan 2019 17:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.5	30.0	90.0
157	93.7	42.1	126.3





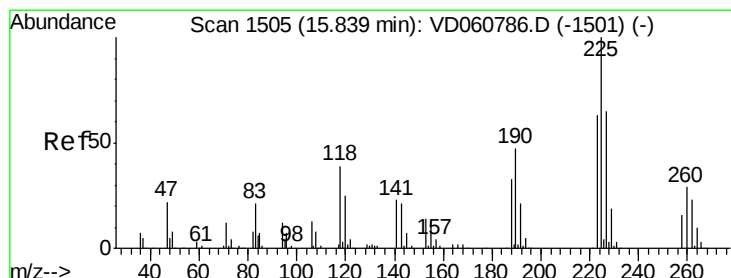
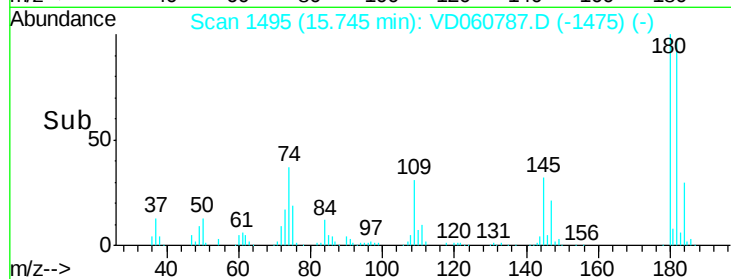
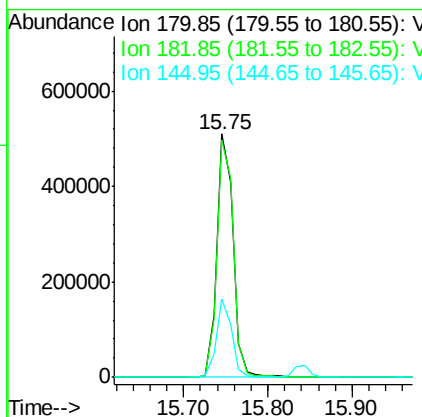
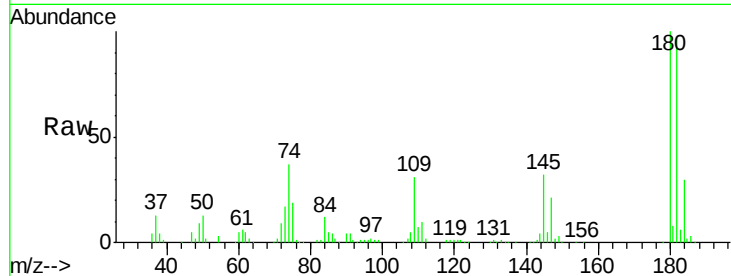
#93
 1,2,4-Trichlorobenzene
 Concen: 77.633 ug/l
 RT: 15.75 min Scan# 1495
 Delta R.T. -0.01 min
 Lab File: VD060787.D
 Acq: 23 Jan 2019 17:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
180	100	683819		
182	97.4	47.3	142.0	
145	32.3	13.0	39.0	

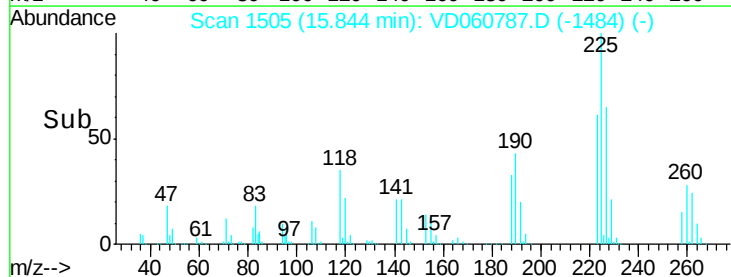
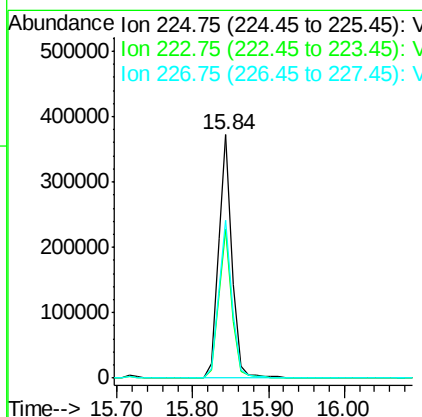
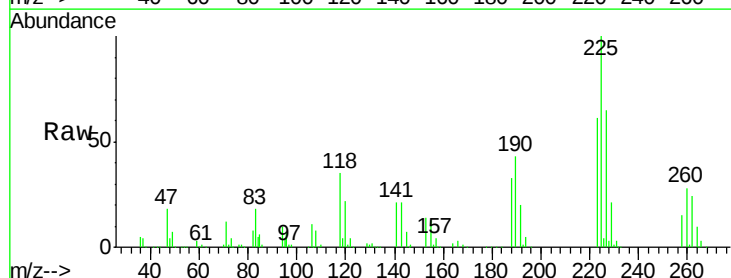
Manual Integrations
 APPROVED

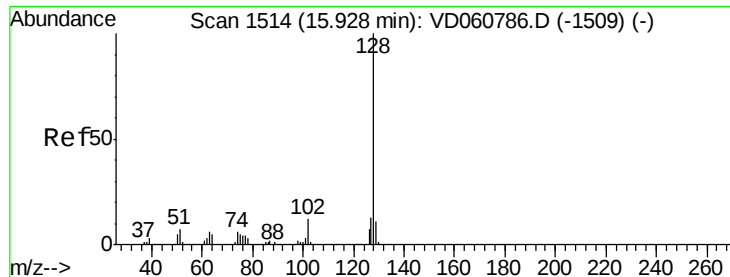
MMDadoda
 1/24/2019 12:49:52 PM



#94
 Hexachlorobutadiene
 Concen: 70.433 ug/l
 RT: 15.84 min Scan# 1505
 Delta R.T. 0.00 min
 Lab File: VD060787.D
 Acq: 23 Jan 2019 17:34

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	468715		
223	61.3	31.6	94.8	
227	64.7	32.6	97.7	





#95

Naphthalene

Concen: 74.853 ug/l

RT: 15.93 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VD060787.D

Acq: 23 Jan 2019 17:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion:128 Resp: 1004886

Ion Ratio Lower Upper

128 100

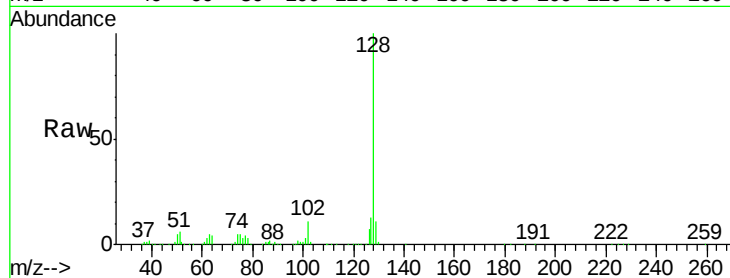
127 13.0 10.4 15.6

129 10.6 8.7 13.1

Manual Integrations
APPROVED

MMDadoda

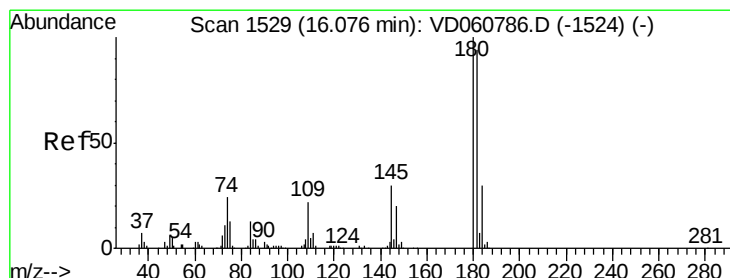
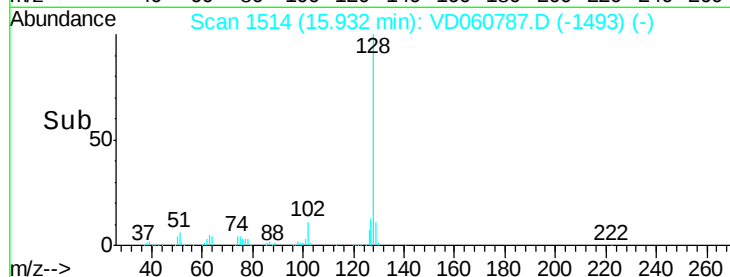
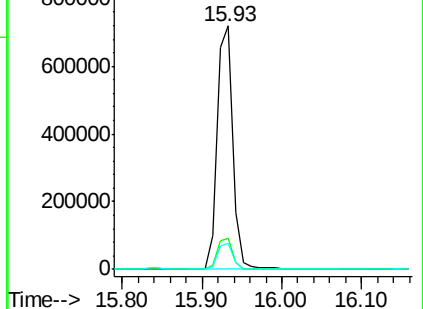
1/24/2019 12:49:52 PM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 78.705 ug/l

RT: 16.08 min Scan# 1529

Delta R.T. 0.00 min

Lab File: VD060787.D

Acq: 23 Jan 2019 17:34

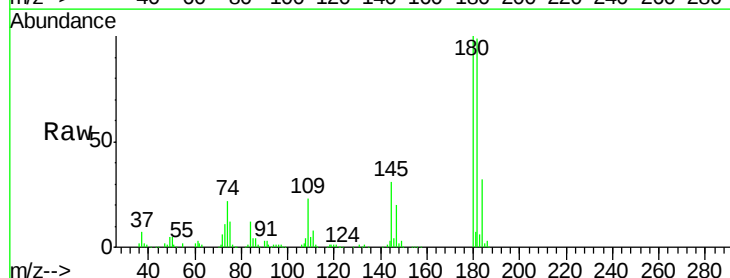
Tgt Ion:180 Resp: 593323

Ion Ratio Lower Upper

180 100

182 98.5 47.0 141.0

145 30.6 14.9 44.5



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

