

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041519\
 Data File : VD061802.D
 Acq On : 15 Apr 2019 18:42
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICSVVD041519

Manual Integrations
 APPROVED

MMDadoda
 4/16/2019 3:13:07 PM

Quant Time: Apr 16 09:18:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 16 08:53:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.08	168	689933	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.24	114	1090082	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.39	117	860329	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.53	152	381836	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.48	65	304413	52.65	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	105.30%	
35) Dibromofluoromethane	6.95	113	450502	54.70	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	109.40%	
50) Toluene-d8	10.44	98	1098137	56.28	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	112.56%	
62) 4-Bromofluorobenzene	13.57	95	417099	52.74	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	105.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.59	85	354005	52.570	ug/l	99
3) Chloromethane	1.76	50	272699	50.814	ug/l	100
4) Vinyl Chloride	1.86	62	283445	53.218	ug/l	99
5) Bromomethane	2.17	94	73270	62.383	ug/l	94
6) Chloroethane	2.29	64	112239	61.772	ug/l	100
7) Trichlorofluoromethane	2.55	101	426763	49.404	ug/l	100
8) Diethyl Ether	2.89	74	124351	54.930	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.17	101	409912	53.220	ug/l	97
10) Methyl Iodide	3.33	142	610725	49.692	ug/l	99
11) Tert butyl alcohol	4.08	59	87499	256.599	ug/l	99
12) 1,1-Dichloroethene	3.15	96	350653	54.153	ug/l	96
13) Acrolein	3.05	56	78975	239.236	ug/l	95
14) Allyl chloride	3.65	41	505329	57.254	ug/l	98
15) Acrylonitrile	4.23	53	286230	267.375	ug/l	97
16) Acetone	3.24	43	409580	287.401	ug/l	99
17) Carbon Disulfide	3.40	76	1119037	53.487	ug/l	100
18) Methyl Acetate	3.67	43	134341	47.032	ug/l	98
19) Methyl tert-butyl Ether	4.27	73	634158	52.479	ug/l	98
20) Methylene Chloride	3.84	84	381850	54.299	ug/l	100
21) trans-1,2-Dichloroethene	4.26	96	392347	55.135	ug/l	97
22) Diisopropyl ether	5.15	45	955575	50.650	ug/l	96
23) Vinyl Acetate	5.09	43	2707393	268.449	ug/l	99
24) 1,1-Dichloroethane	5.02	63	630339	55.106	ug/l	100
25) 2-Butanone	6.10	43	427129	263.261	ug/l	97
26) 2,2-Dichloropropane	6.06	77	525220	53.122	ug/l	99
27) cis-1,2-Dichloroethene	6.07	96	407378	52.809	ug/l	97
28) Bromochloromethane	6.47	49	230661	53.088	ug/l	91
29) Tetrahydrofuran	6.48	42	214930	271.953	ug/l	98
30) Chloroform	6.70	83	647647	50.762	ug/l	98
31) Cyclohexane	6.99	56	466212	53.241	ug/l	100
32) 1,1,1-Trichloroethane	6.90	97	607155	53.684	ug/l	98
36) 1,1-Dichloropropene	7.18	75	491688	55.198	ug/l	98
37) Ethyl Acetate	6.21	43	179034	46.961	ug/l	94
38) Carbon Tetrachloride	7.15	117	618464m	54.985	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.89	83	509928	55.127	ug/l	99
40) Benzene	7.48	78	1151665	53.853	ug/l	97
41) Methacrylonitrile	6.47	41	241510	53.596	ug/l #	91
42) 1,2-Dichloroethane	7.61	62	392908	52.753	ug/l	99
43) Isopropyl Acetate	9.27	43	282786	52.709	ug/l	98
44) Trichloroethene	8.58	130	443152	53.829	ug/l	96
45) 1,2-Dichloropropane	8.97	63	313741	56.323	ug/l	99
46) Dibromomethane	9.09	93	207052	52.166	ug/l	98
47) Bromodichloromethane	9.40	83	485309	53.000	ug/l	100
48) Methyl methacrylate	9.15	41	168507	53.433	ug/l	97
49) 1,4-Dioxane	9.10	88	36406	1056.182	ug/l	89
51) 4-Methyl-2-Pentanone	10.33	43	864297	263.434	ug/l	99
52) Toluene	10.54	92	696301	50.809	ug/l	96
53) t-1,3-Dichloropropene	10.94	75	436287	52.877	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	489846	50.576	ug/l	99
55) 1,1,2-Trichloroethane	11.22	97	230058	49.819	ug/l	94
56) Ethyl methacrylate	11.07	69	285685	56.367	ug/l	96
57) 1,3-Dichloropropane	11.43	76	382977	55.164	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.89	63	573084	237.724	ug/l	96
59) 2-Hexanone	11.55	43	626981	257.297	ug/l	99
60) Dibromochloromethane	11.71	129	405047	53.606	ug/l	97
61) 1,2-Dibromoethane	11.83	107	278205	48.995	ug/l	99
64) Tetrachloroethene	11.28	164	352118	54.574	ug/l	98
65) Chlorobenzene	12.42	112	875209	54.625	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.53	131	374097	55.716	ug/l	98
67) Ethyl Benzene	12.54	91	1414244	55.118	ug/l	98
68) m/p-Xylenes	12.69	106	993159	103.045	ug/l	96
69) o-Xylene	13.07	106	493100	54.431	ug/l	99
70) Styrene	13.09	104	838944	53.815	ug/l	98
71) Bromoform	13.25	173	219550	55.087	ug/l #	97
73) Isopropylbenzene	13.42	105	1393984	56.292	ug/l	98
74) N-amyl acetate	13.28	43	360439	54.128	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.72	83	271555	55.477	ug/l	97
76) 1,2,3-Trichloropropane	13.75	75	281412	56.119	ug/l	99
77) Bromobenzene	13.69	156	401670	57.101	ug/l	96
78) n-propylbenzene	13.79	91	1504352	52.581	ug/l	100
79) 2-Chlorotoluene	13.85	91	911168	54.517	ug/l	98
80) 1,3,5-Trimethylbenzene	13.95	105	1013197	51.565	ug/l	95
81) trans-1,4-Dichloro-2-buten	13.49	75	83854	51.486	ug/l	97
82) 4-Chlorotoluene	13.96	91	1016785	53.150	ug/l	95
83) tert-Butylbenzene	14.21	119	1330507	57.669	ug/l	93
84) 1,2,4-Trimethylbenzene	14.25	105	1118695	56.640	ug/l	97
85) sec-Butylbenzene	14.39	105	1337186	56.066	ug/l	96
86) p-Isopropyltoluene	14.50	119	1188116	53.242	ug/l	97
87) 1,3-Dichlorobenzene	14.47	146	698636	56.891	ug/l	96
88) 1,4-Dichlorobenzene	14.55	146	663049	54.621	ug/l	96
89) n-Butylbenzene	14.81	91	1109732	56.180	ug/l	96
90) Hexachloroethane	15.03	117	347711	57.168	ug/l	85
91) 1,2-Dichlorobenzene	14.82	146	564006	54.830	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.39	75	38042	54.064	ug/l	77

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QLast Update : Tue Apr 16 08:53:01 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.96	180	317235	56.151	ug/l	96
94) Hexachlorobutadiene	16.05	225	234825	57.355	ug/l	99
95) Naphthalene	16.14	128	462351	53.393	ug/l	98
96) 1,2,3-Trichlorobenzene	16.29	180	168113	52.216	ug/l	96

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

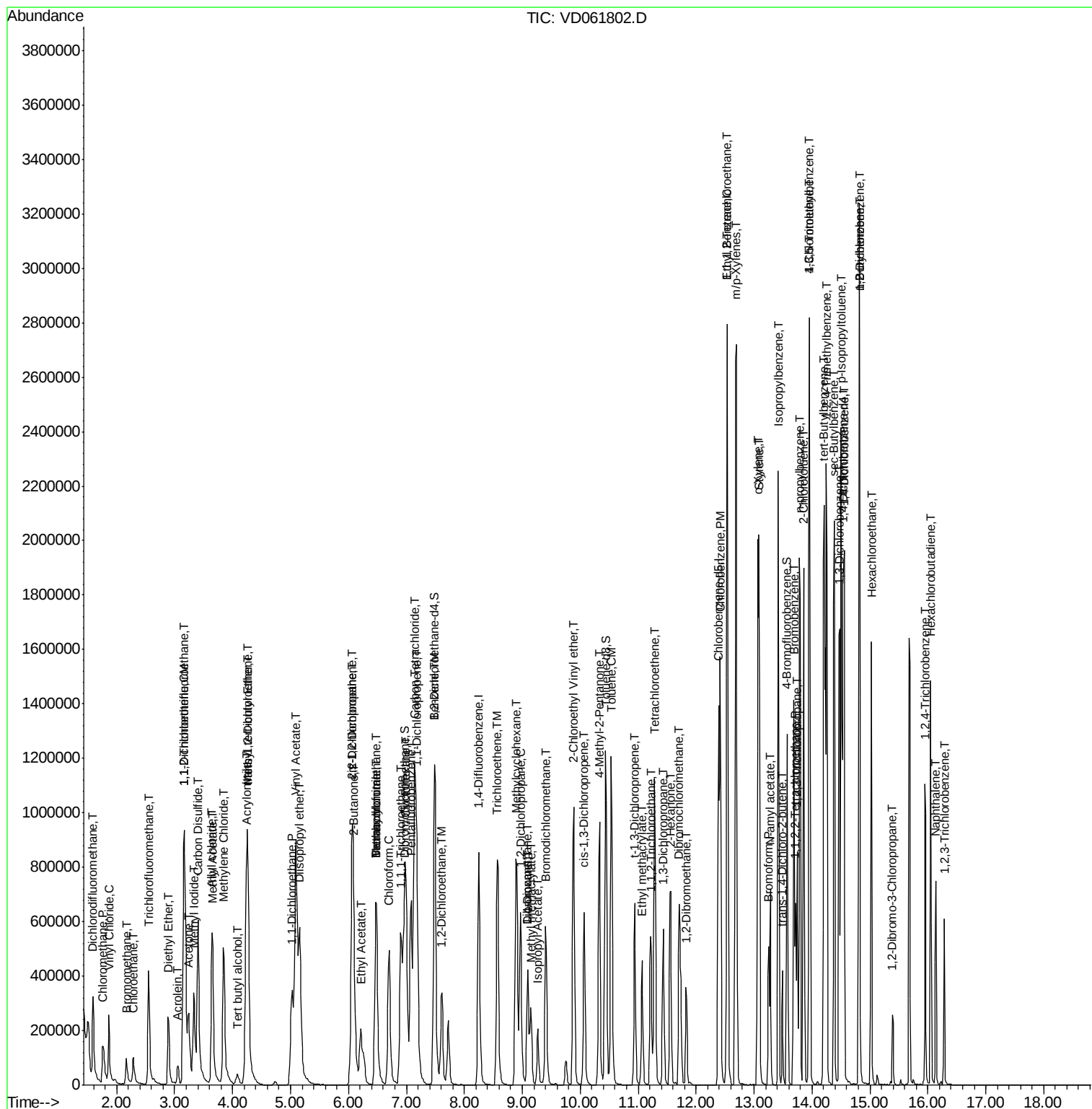
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041519\
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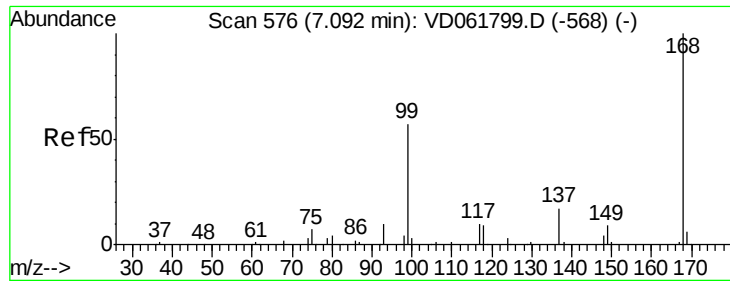
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.08 min Scan# 575

Delta R.T. -0.01 min

Lab File: VD061802.D

Acq: 15 Apr 2019 18:42

Instrument :

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ClientSampleId :

ICVVD041519

Tot Ion:168 Resp: 689933

Ion Ratio Lower Upper

168 100

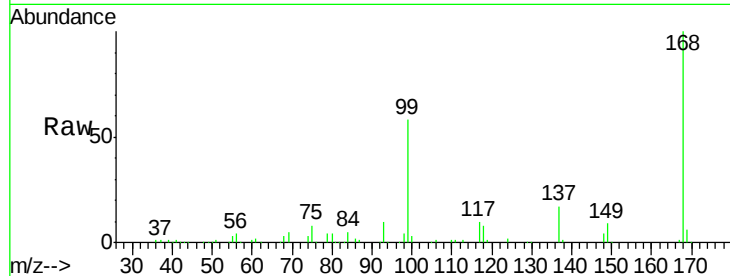
99 57.8 46.5 69.7

Manual Integrations

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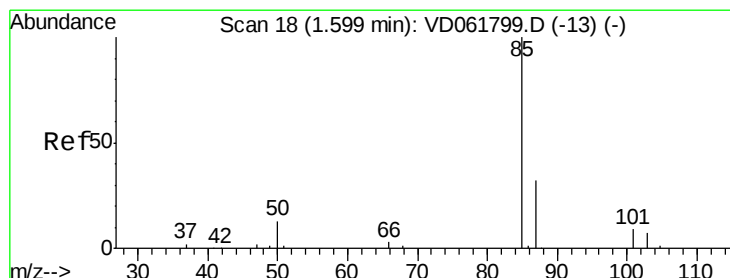
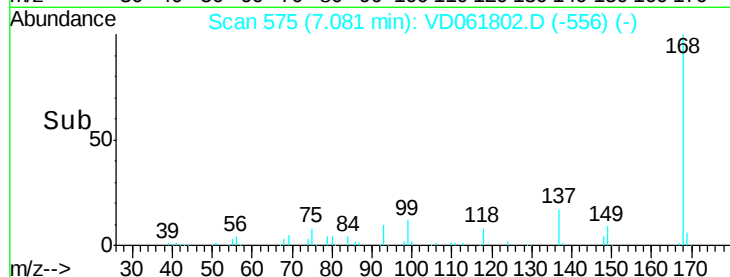
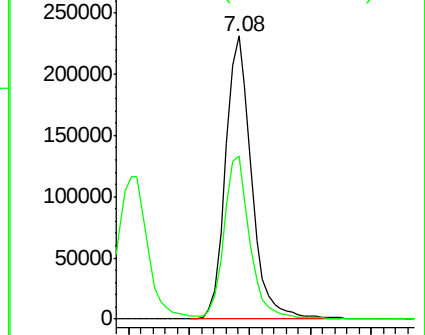
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 52.570 ug/l

RT: 1.59 min Scan# 17

Delta R.T. -0.01 min

Lab File: VD061802.D

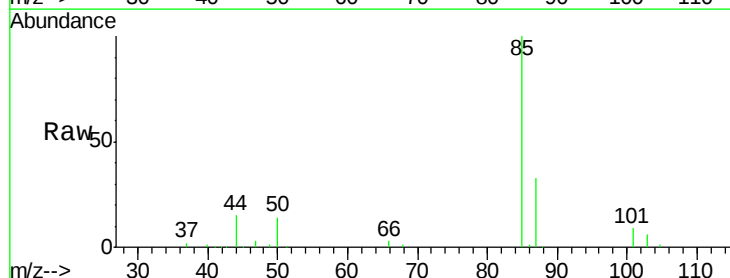
Acq: 15 Apr 2019 18:42

Tgt Ion: 85 Resp: 354005

Ion Ratio Lower Upper

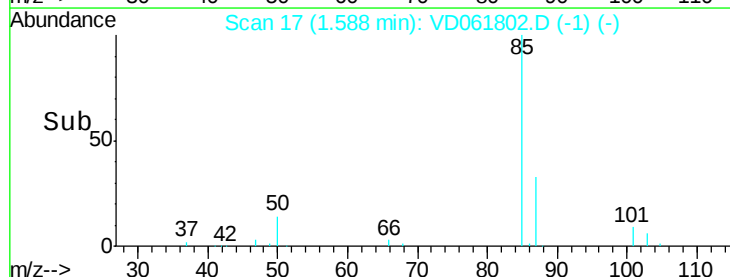
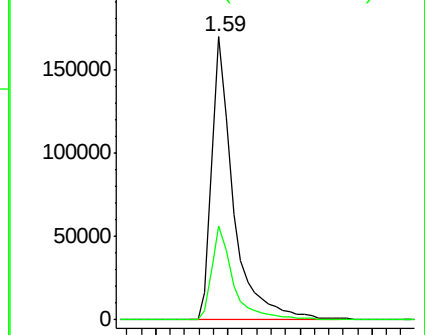
85 100

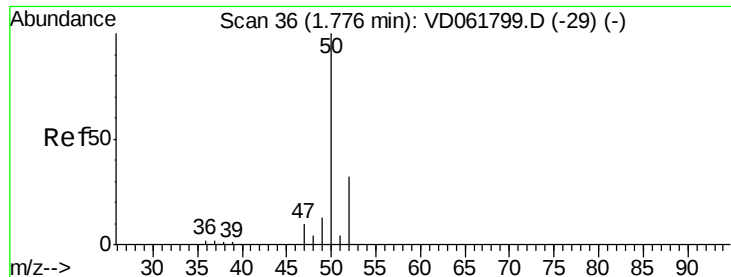
87 33.2 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 50.814 ug/l

RT: 1.76 min Scan# 34

Delta R.T. -0.02 min

Lab File: VD061802.D

Acq: 15 Apr 2019 18:42

Instrument :

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ClientSampleId :

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Tot Ion: 50 Resp: 272699

Ion Ratio Lower Upper

50 100

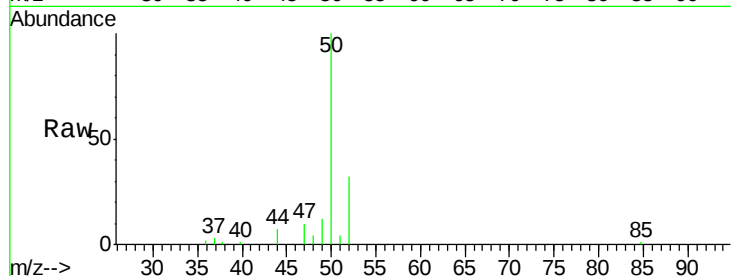
52 31.8 25.2 37.8

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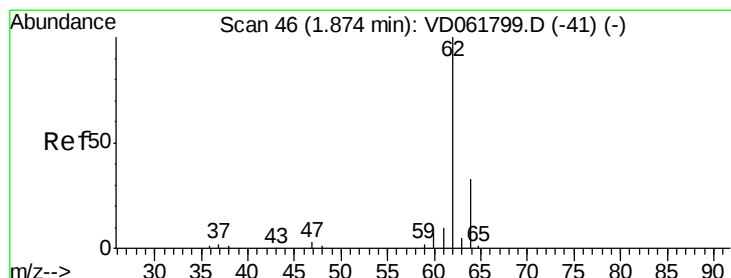
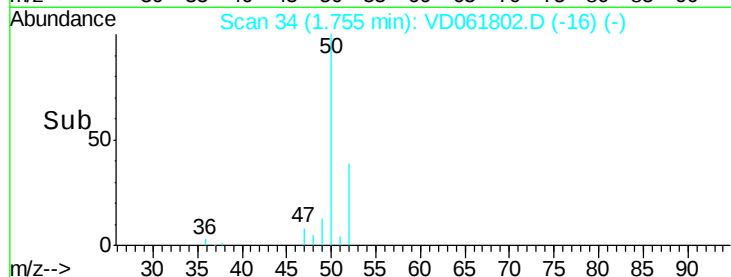
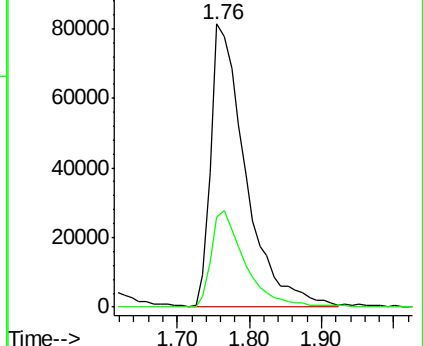
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 53.218 ug/l

RT: 1.86 min Scan# 45

Delta R.T. -0.01 min

Lab File: VD061802.D

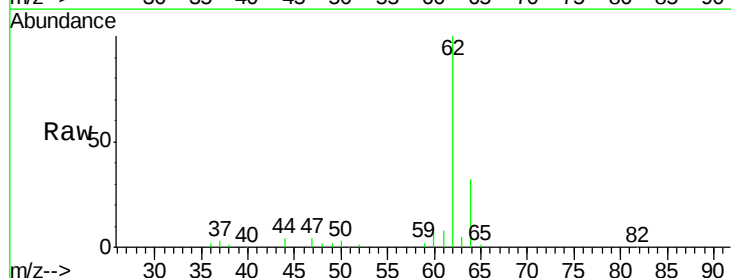
Acq: 15 Apr 2019 18:42

Tgt Ion: 62 Resp: 283445

Ion Ratio Lower Upper

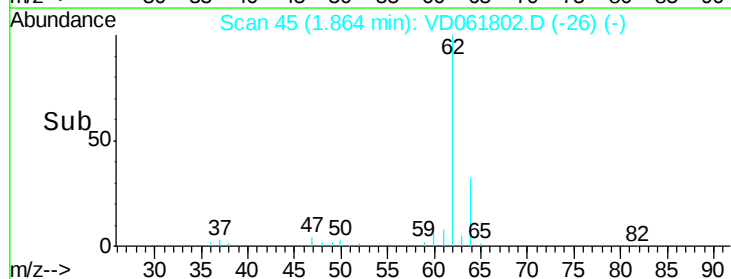
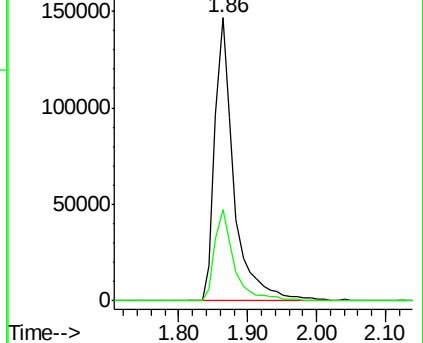
62 100

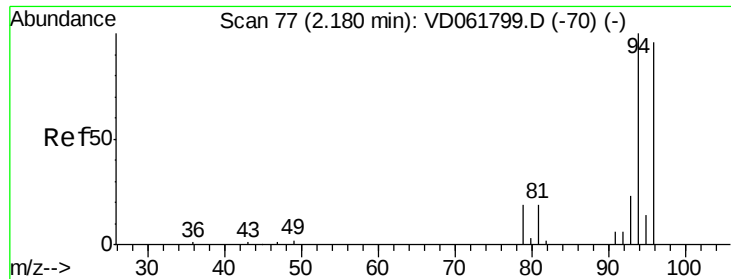
64 32.3 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 62.383 ug/l

RT: 2.17 min Scan# 76

Delta R.T. -0.01 min

Lab File: VD061802.D

Acq: 15 Apr 2019 18:42

Instrument :

MSVOA_D

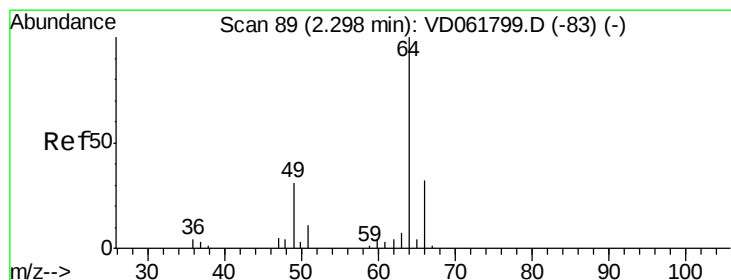
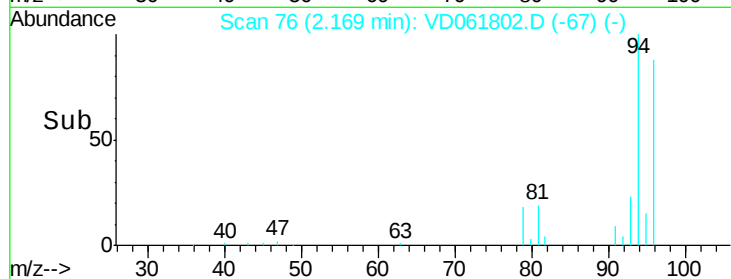
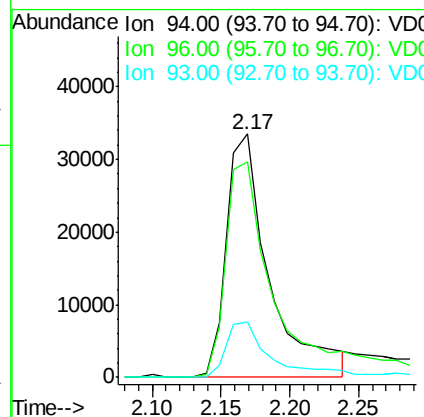
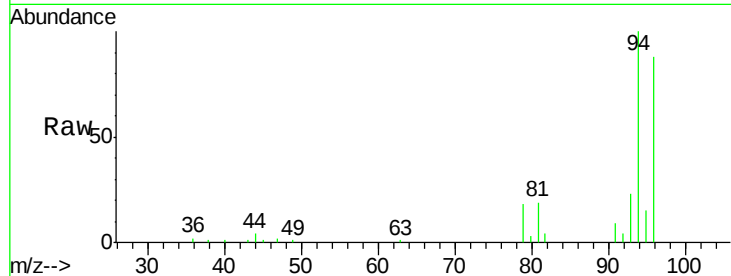
ClientSampleId :

ICVVD041519

Tot Ion:	94	Resp:	73270
Ion	Ratio	Lower	Upper
94	100		
96	88.3	76.6	115.0
93	22.9	18.5	27.7

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#6

Chloroethane

Concen: 61.772 ug/l

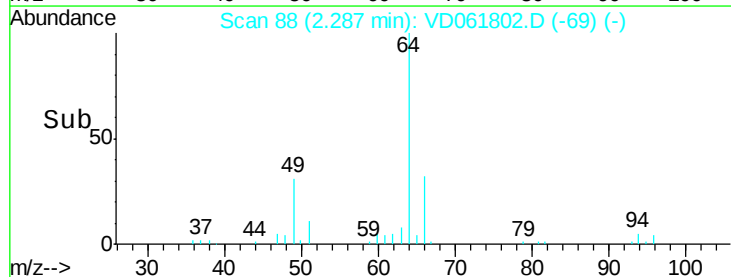
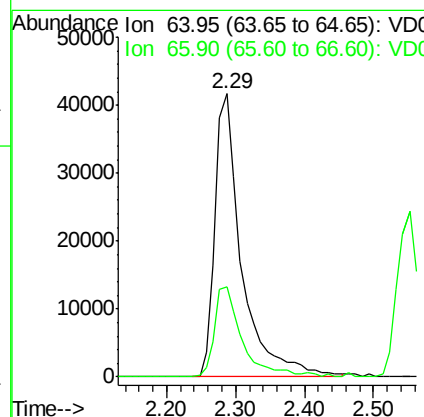
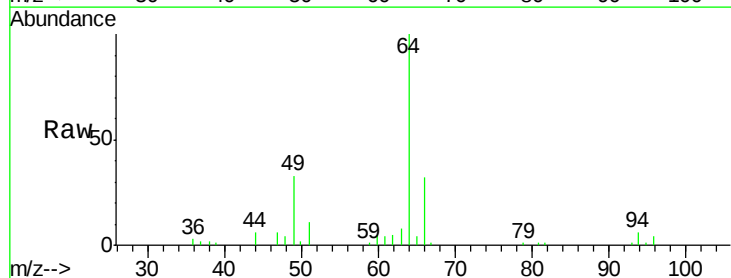
RT: 2.29 min Scan# 88

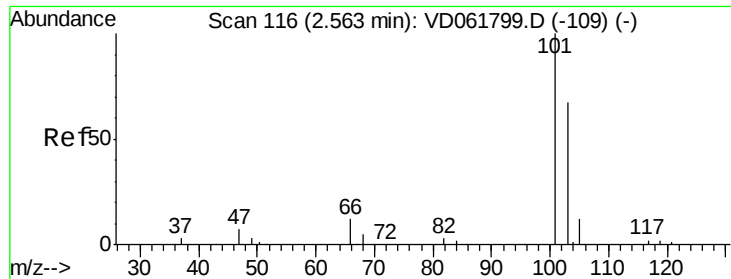
Delta R.T. -0.01 min

Lab File: VD061802.D

Acq: 15 Apr 2019 18:42

Tgt Ion:	64	Resp:	112239
Ion	Ratio	Lower	Upper
64	100		
66	31.8	25.6	38.4





#7

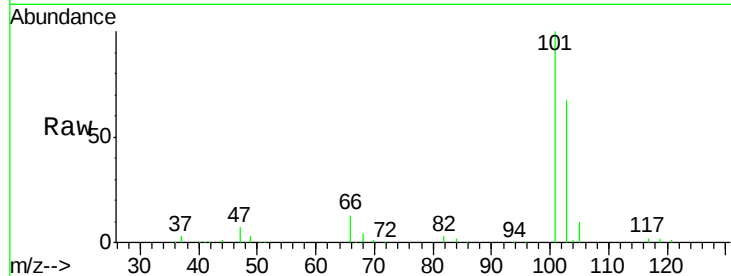
Trichlorofluoromethane
 Concen: 49.404 ug/l
 RT: 2.55 min Scan# 115
 Delta R.T. -0.01 min
 Lab File: VD061802.D
 Acq: 15 Apr 2019 18:42

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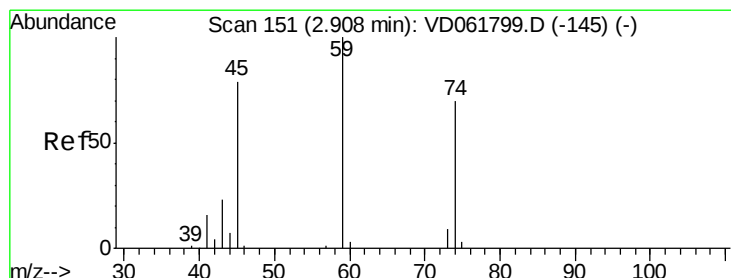
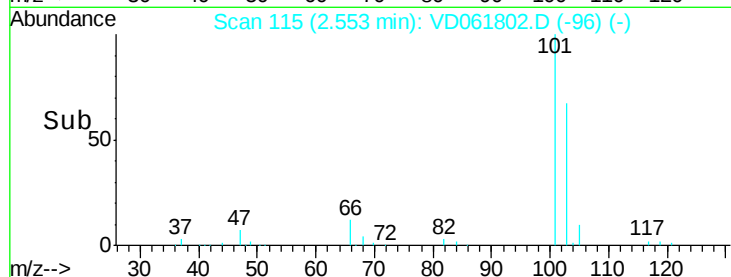
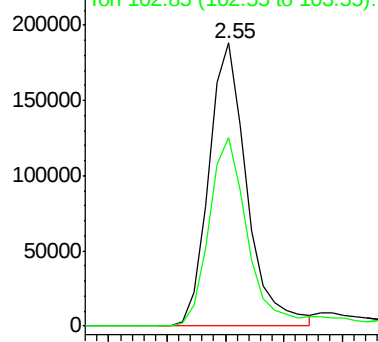
Tot Ion:101 Resp: 426763
 Ion Ratio Lower Upper
 101 100
 103 66.6 53.6 80.4

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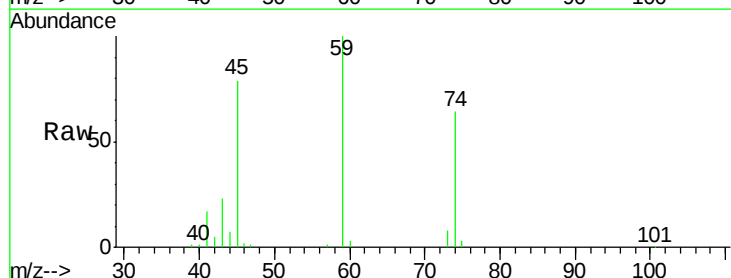
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



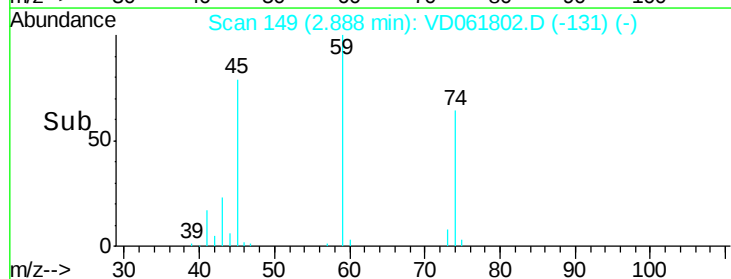
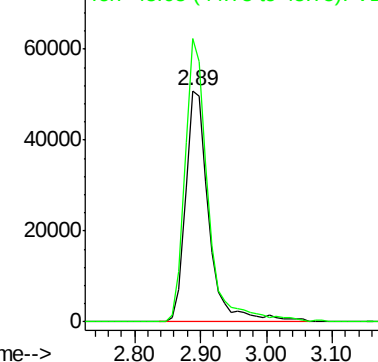
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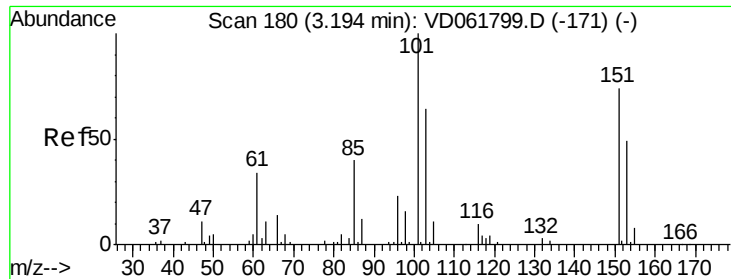
Diethyl Ether
 Concen: 54.930 ug/l
 RT: 2.89 min Scan# 149
 Delta R.T. -0.02 min
 Lab File: VD061802.D
 Acq: 15 Apr 2019 18:42

Tgt Ion: 74 Resp: 124351
 Ion Ratio Lower Upper
 74 100
 45 122.4 56.9 170.7



Abundance Ion 74.00 (73.70 to 74.70): VDC
 Ion 45.05 (44.75 to 45.75): VDC





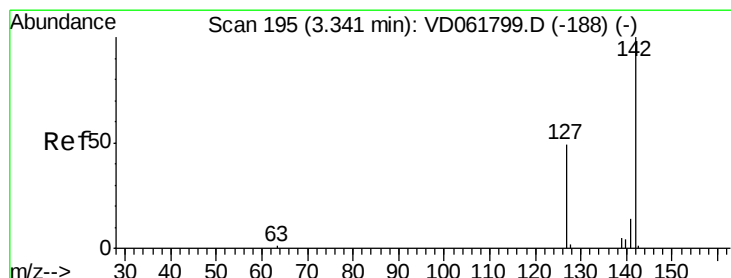
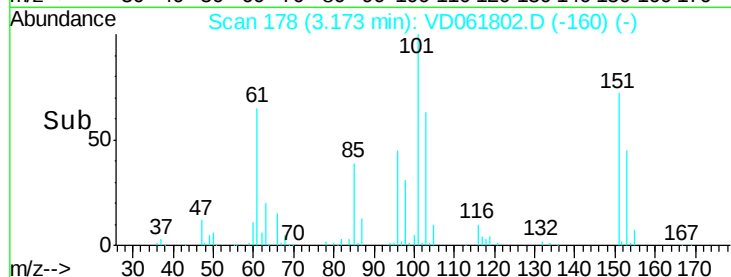
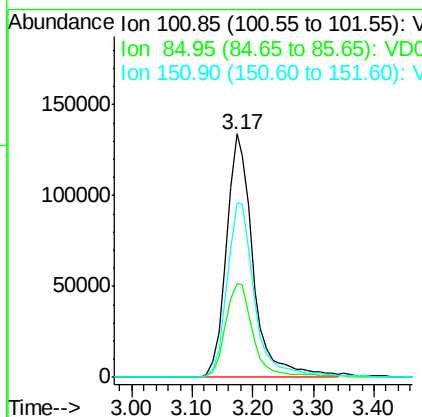
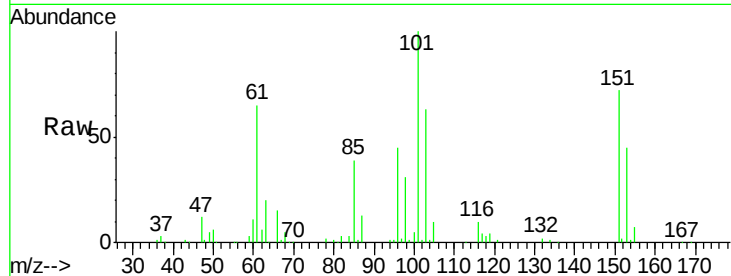
#9
1,1,2-Trichlorotrifluoroethane
Concen: 53.220 ug/l
RT: 3.17 min Scan# 178
Delta R.T. -0.02 min
Lab File: VD061802.D
Acq: 15 Apr 2019 18:42

Instrument :
MSVOA_D
ClientSampleId :
ICVVD041519

Tot Ion	Ratio	Resp	Lower	Upper
101	100	409912		
85	38.7		32.4	48.6
151	71.6		59.4	89.0

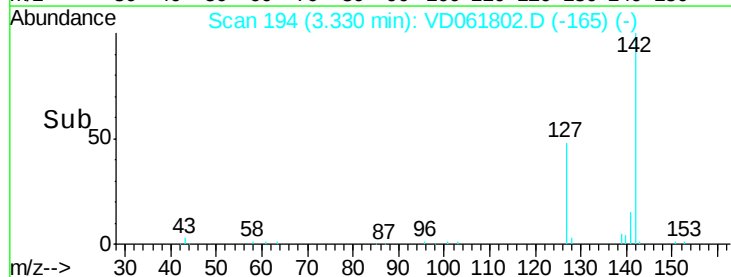
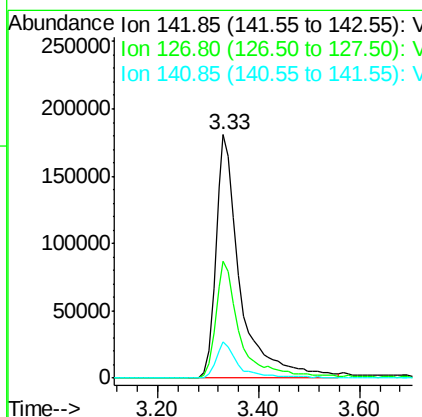
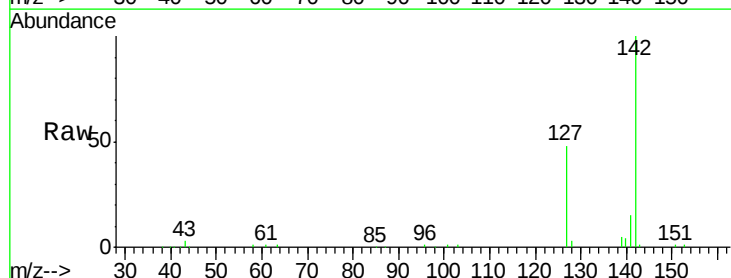
Manual Integrations
APPROVED

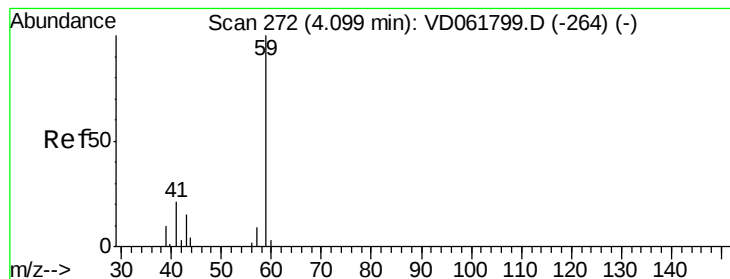
MMDadoda
4/16/2019 3:13:07 PM



#10
Methyl Iodide
Concen: 49.692 ug/l
RT: 3.33 min Scan# 194
Delta R.T. -0.01 min
Lab File: VD061802.D
Acq: 15 Apr 2019 18:42

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	610725		
127	48.1		38.8	58.2
141	14.7		11.4	17.0





#11

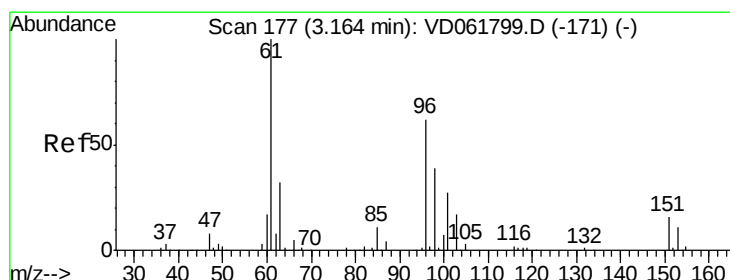
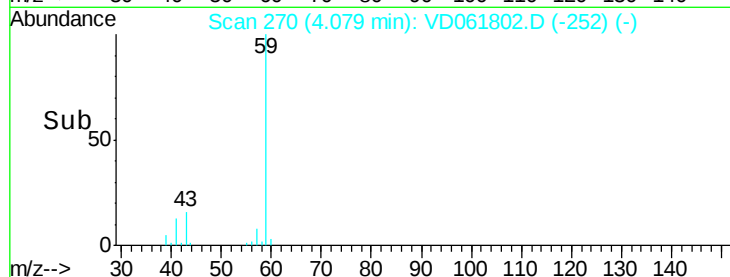
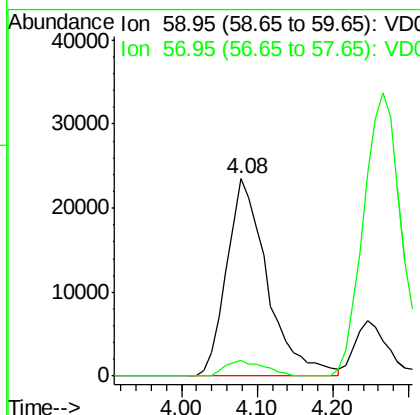
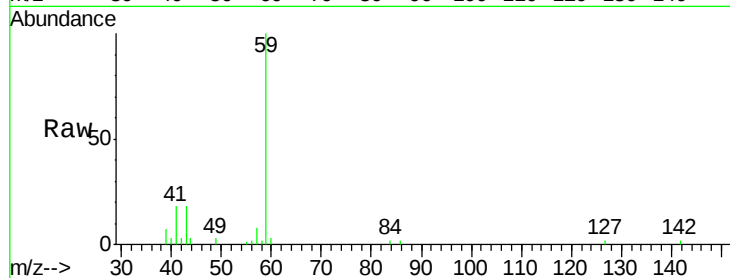
Tert butyl alcohol
Concen: 256.599 ug/l
RT: 4.08 min Scan# 270
Delta R.T. -0.02 min
Lab File: VD061802.D
Acq: 15 Apr 2019 18:42

Instrument :
MSVOA_D
ClientSampleId :
ICVVD041519

Tot Ion	59	57	Ratio	100	8.2	Resp	87499	Lower	6.9	Upper	10.3
Ion											

Manual Integrations
APPROVED

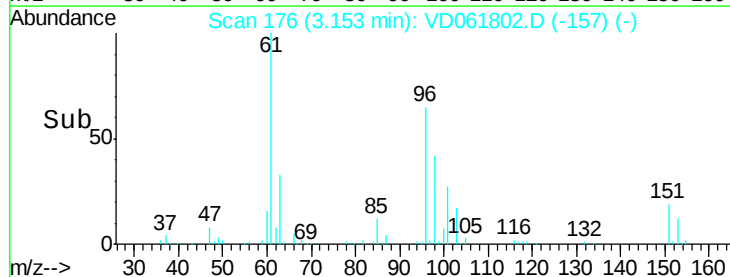
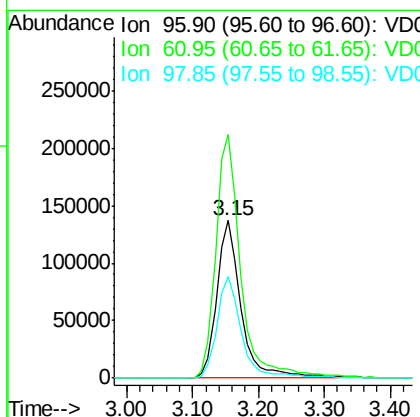
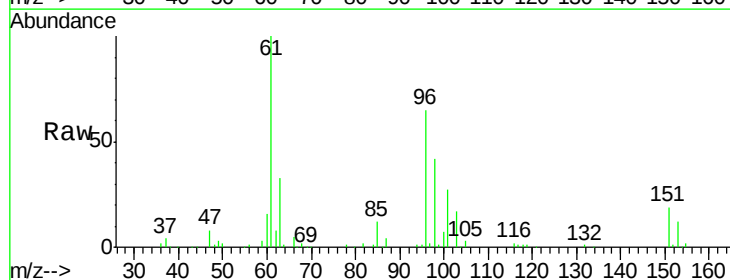
MMDadoda
4/16/2019 3:13:07 PM

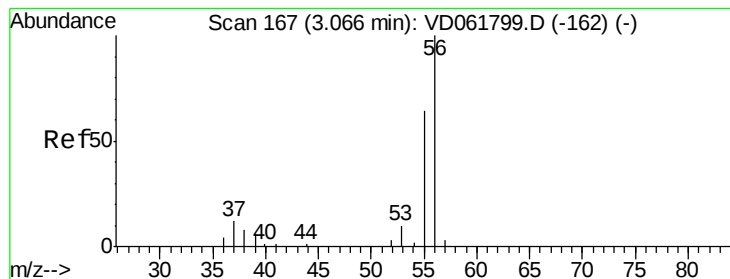


#12

1,1-Dichloroethene
Concen: 54.153 ug/l
RT: 3.15 min Scan# 176
Delta R.T. -0.01 min
Lab File: VD061802.D
Acq: 15 Apr 2019 18:42

Tgt Ion	96	61	98	Ratio	100	154.6	64.2	Resp	350653	Lower	129.8	51.2	Upper	194.8	76.8
Ion															





#13

Acrolein

Concen: 239.236 ug/l

RT: 3.05 min Scan# 166

Delta R.T. -0.01 min

Lab File: VD061802.D

Acq: 15 Apr 2019 18:42

Instrument :

MSVOA_D

ClientSampleId :

ICVVD041519

Tot Ion: 56 Resp: 78975

Ion Ratio Lower Upper

56 100

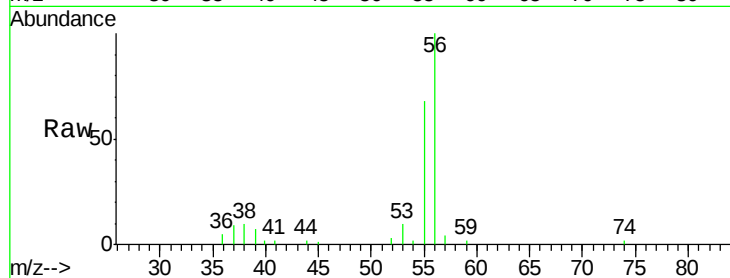
55 68.4 51.4 77.2

Manual Integrations

APPROVED

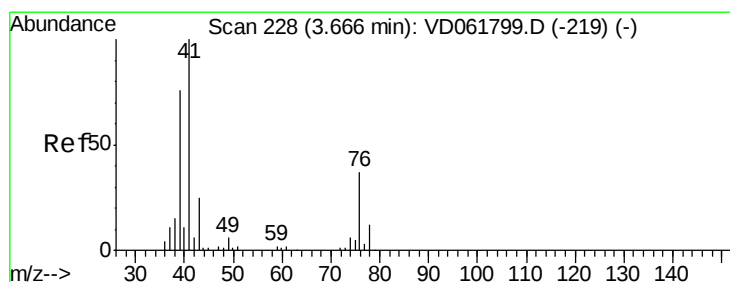
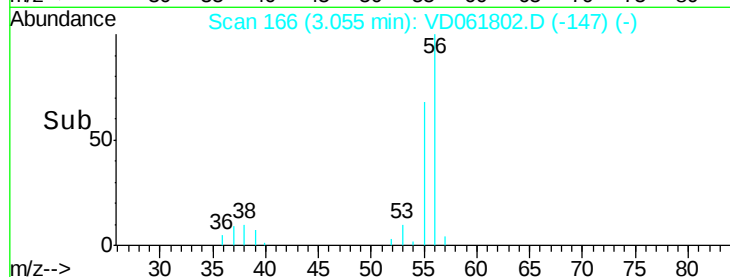
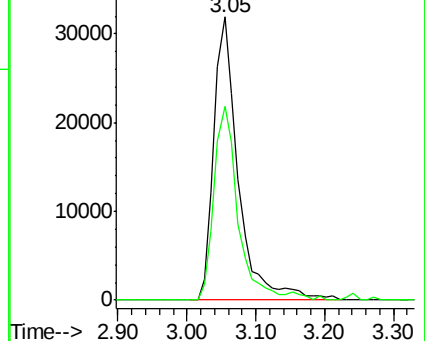
MMDadoda

4/16/2019 3:13:07 PM



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 57.254 ug/l

RT: 3.65 min Scan# 226

Delta R.T. -0.02 min

Lab File: VD061802.D

Acq: 15 Apr 2019 18:42

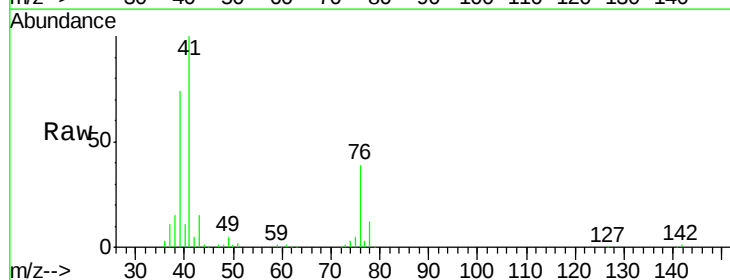
Tgt Ion: 41 Resp: 505329

Ion Ratio Lower Upper

41 100

39 73.5 60.5 90.7

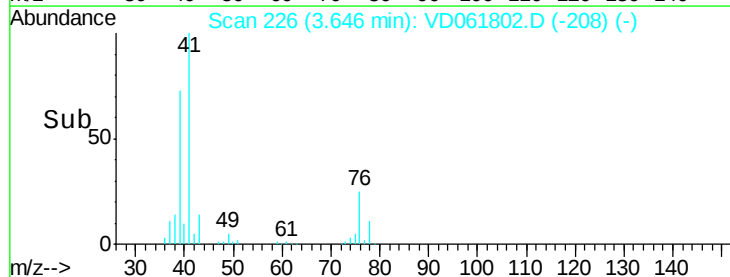
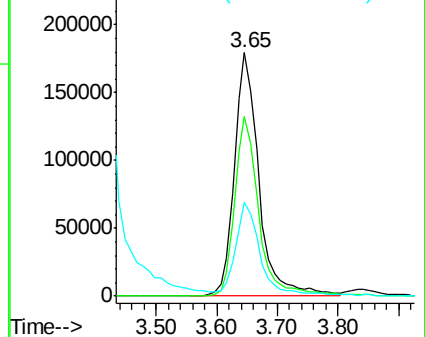
76 38.6 31.8 47.8

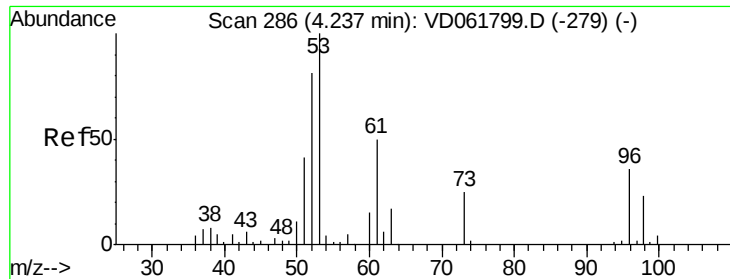


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 267.375 ug/l

RT: 4.23 min Scan# 285

Delta R.T. -0.01 min

Lab File: VD061802.D

Acq: 15 Apr 2019 18:42

Instrument :

MSVOA_D

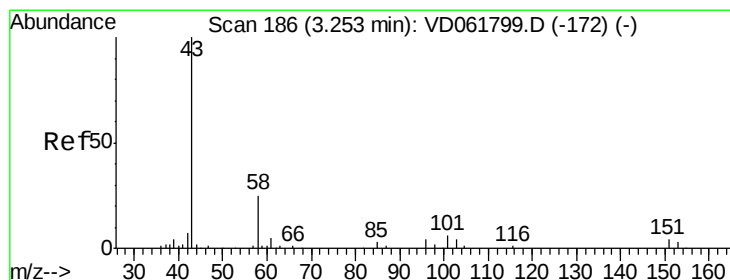
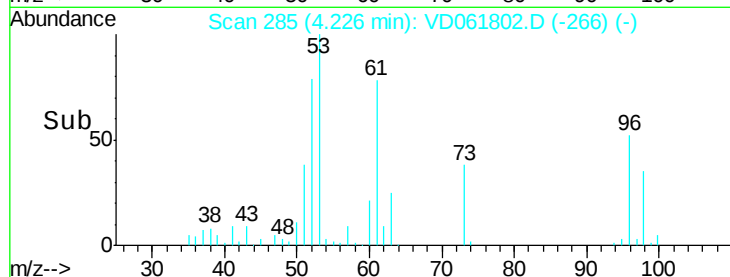
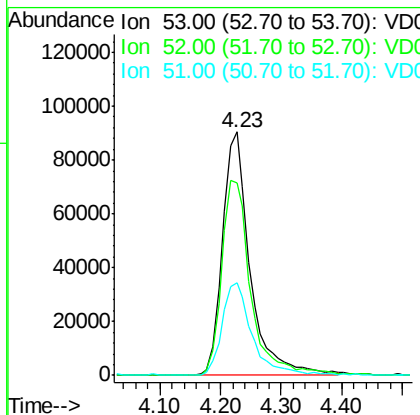
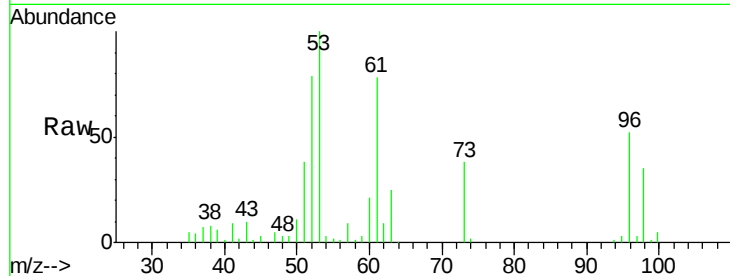
ClientSampleId :

ICVVD041519

Tot Ion:	53	Resp:	286230
Ion Ratio	Lower	Upper	
53	100		
52	79.0	65.0	97.4
51	38.3	32.6	48.8

Manual Integrations
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#16

Acetone

Concen: 287.401 ug/l

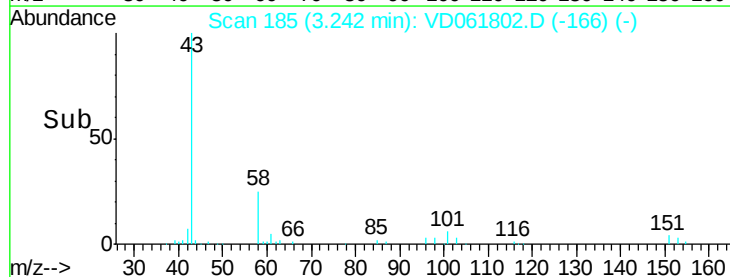
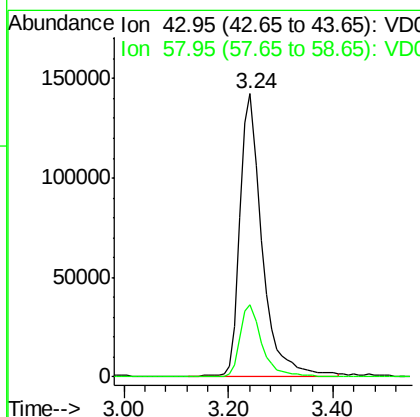
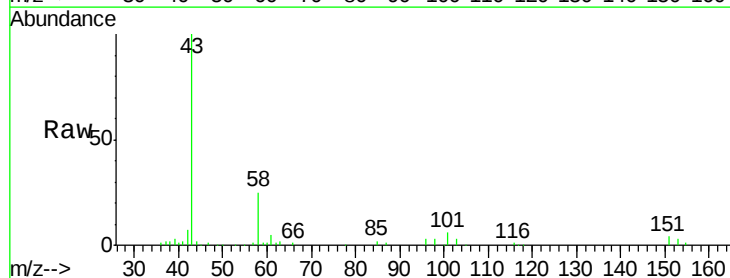
RT: 3.24 min Scan# 185

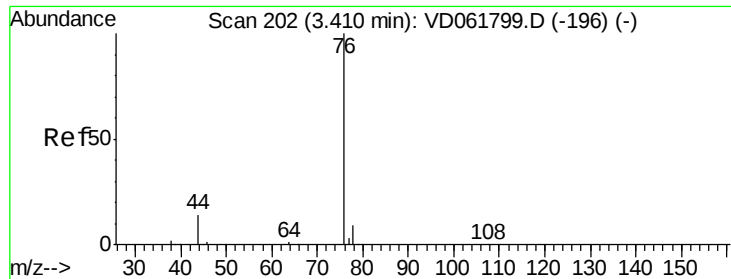
Delta R.T. -0.01 min

Lab File: VD061802.D

Acq: 15 Apr 2019 18:42

Tgt Ion:	43	Resp:	409580
Ion Ratio	Lower	Upper	
43	100		
58	25.5	19.9	29.9





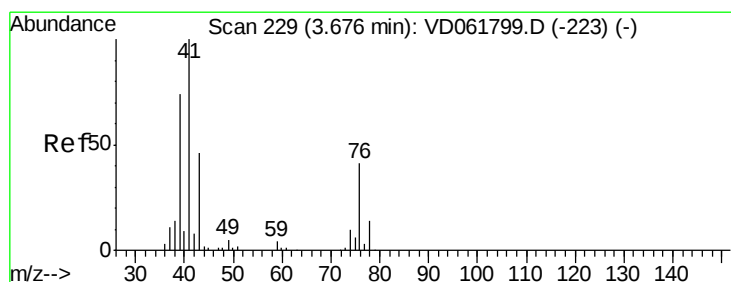
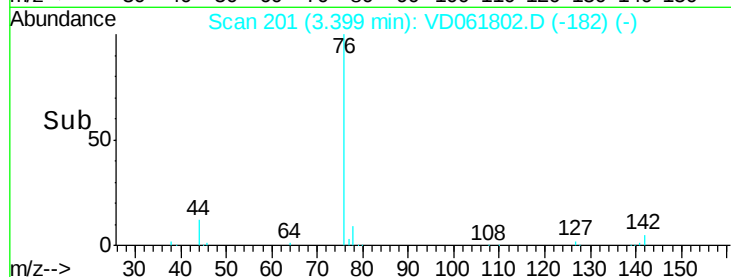
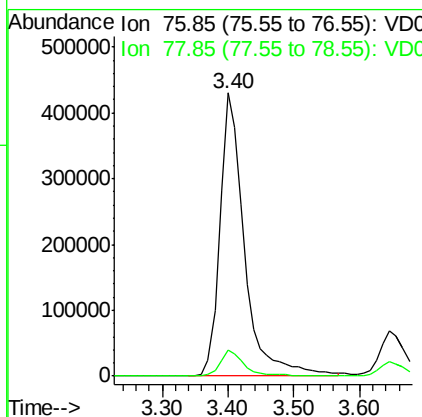
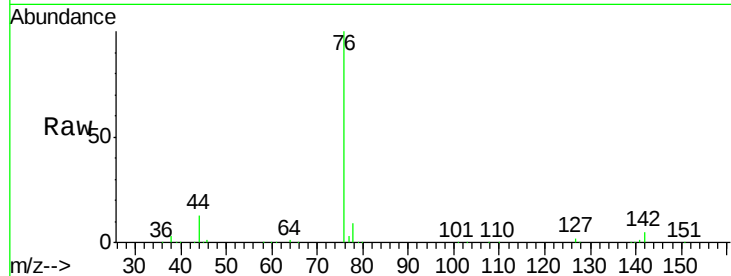
#17
Carbon Disulfide
Concen: 53.487 ug/l
RT: 3.40 min Scan# 201
Delta R.T. -0.01 min
Lab File: VD061802.D
Acq: 15 Apr 2019 18:42

Instrument :
MSVOA_D
ClientSampleId :
ICVVD041519

Tot Ion: 76 Resp: 1119037
Ion Ratio Lower Upper
76 100
78 9.1 7.2 10.8

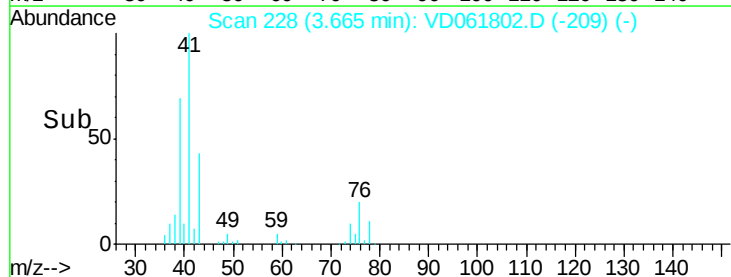
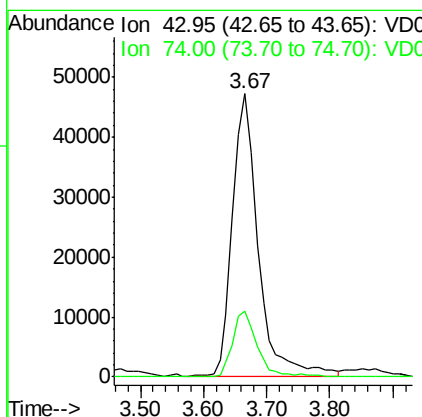
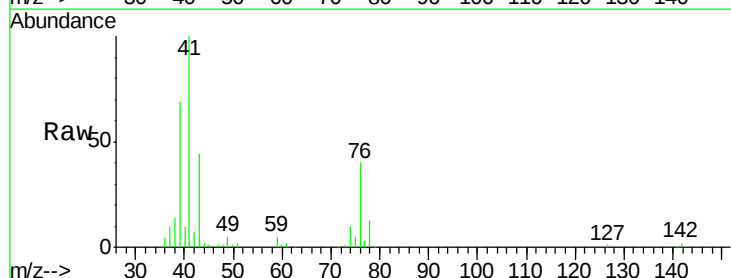
Manual Integrations
APPROVED

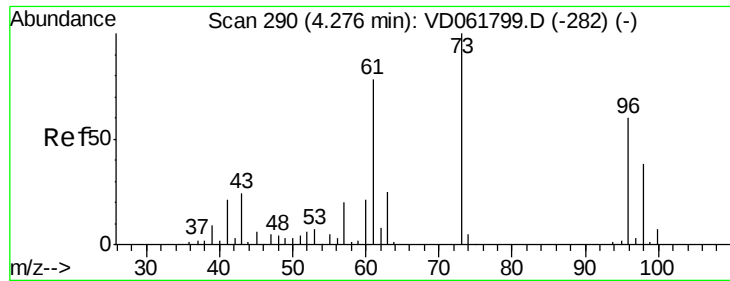
MMDadoda
4/16/2019 3:13:07 PM



#18
Methyl Acetate
Concen: 47.032 ug/l
RT: 3.67 min Scan# 228
Delta R.T. -0.01 min
Lab File: VD061802.D
Acq: 15 Apr 2019 18:42

Tgt Ion: 43 Resp: 134341
Ion Ratio Lower Upper
43 100
74 23.3 18.0 27.0





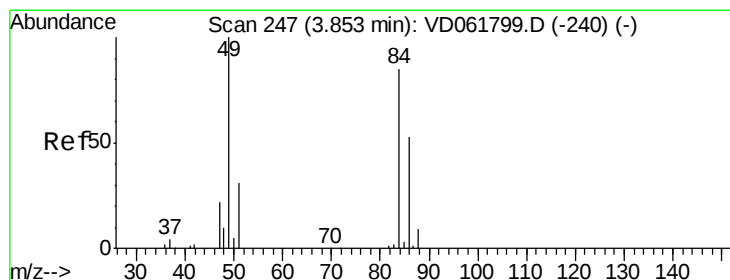
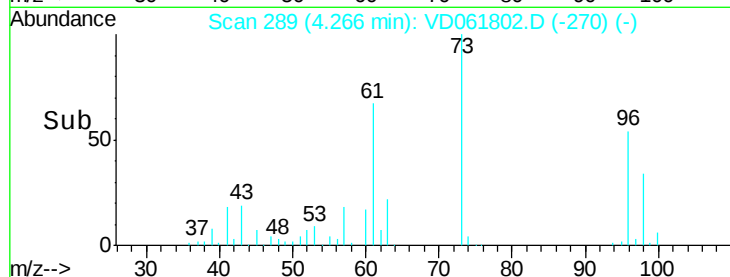
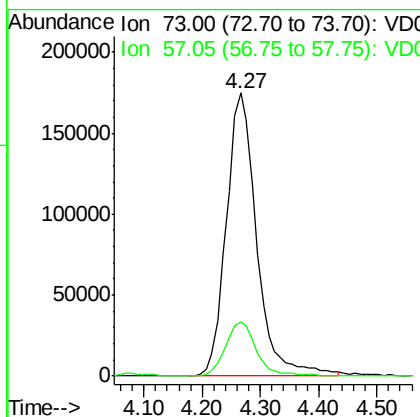
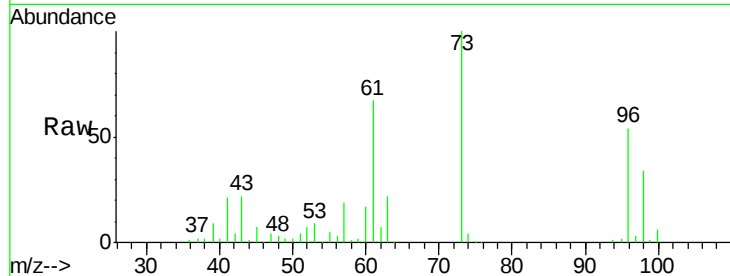
#19
Methyl tert-butyl Ether
Concen: 52.479 ug/l
RT: 4.27 min Scan# 289
Delta R.T. -0.01 min
Lab File: VD061802.D
Acq: 15 Apr 2019 18:42

Instrument :
MSVOA_D
ClientSampleId :
ICVVD041519

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.3	16.3	24.5

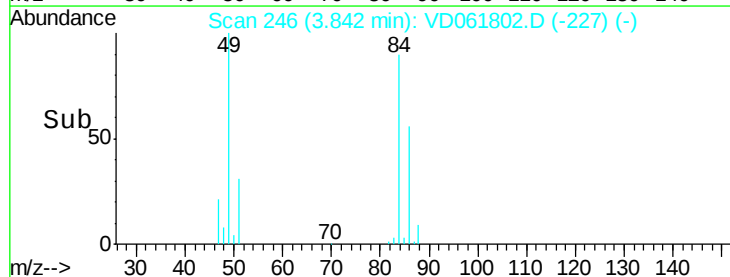
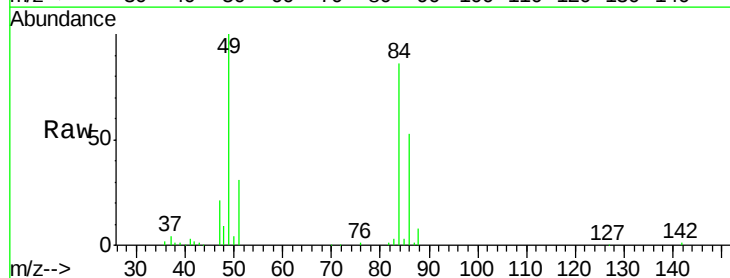
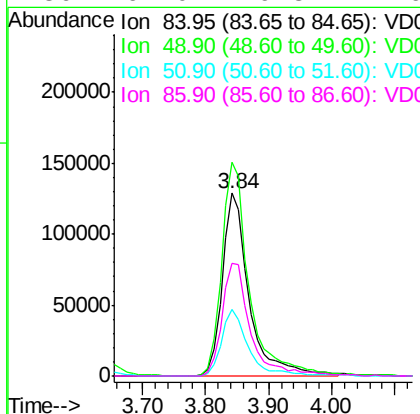
Manual Integrations
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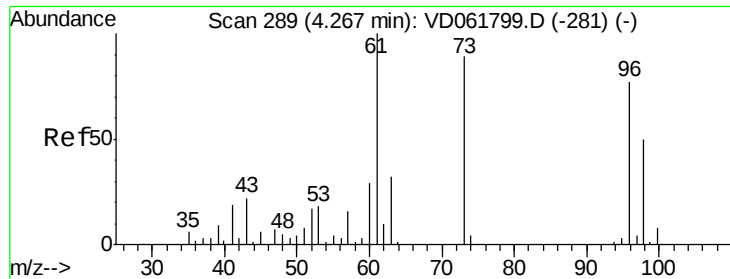
MMDadoda
4/16/2019 3:13:07 PM



#20
Methylene Chloride
Concen: 54.299 ug/l
RT: 3.84 min Scan# 246
Delta R.T. -0.01 min
Lab File: VD061802.D
Acq: 15 Apr 2019 18:42

Tgt Ion	Ratio	Lower	Upper
84	100		
49	116.9	94.0	141.0
51	36.2	29.0	43.4
86	62.0	49.8	74.6





#21

trans-1,2-Dichloroethene

Concen: 55.135 ug/l

RT: 4.26 min Scan# 288

Delta R.T. -0.01 min

Lab File: VD061802.D

Acq: 15 Apr 2019 18:42

Instrument :

MSVOA_D

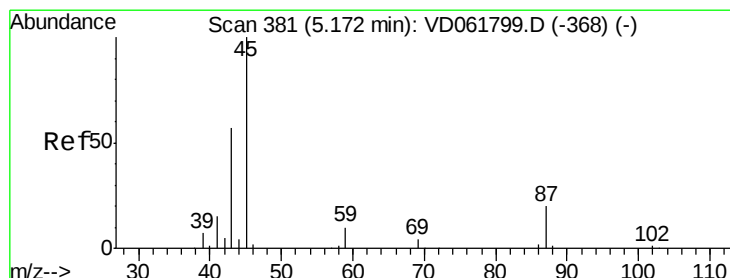
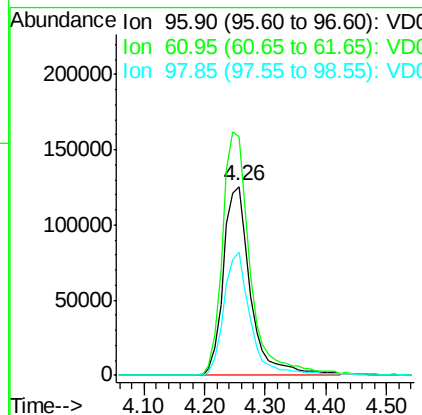
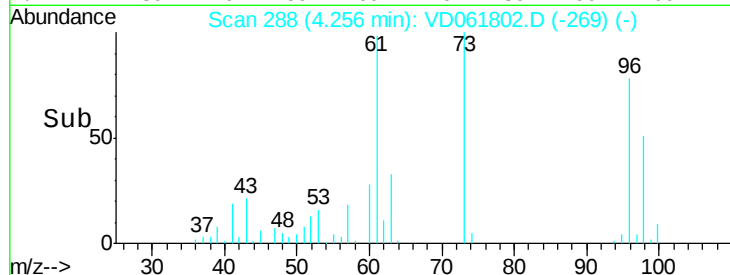
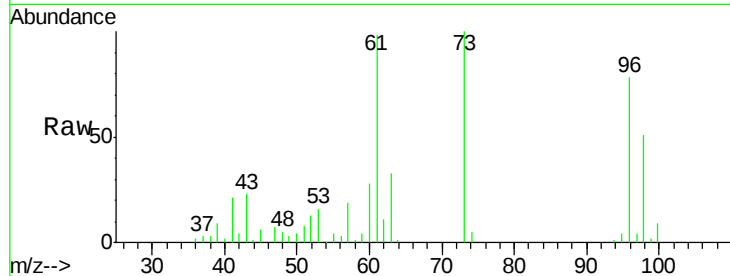
ClientSampleId :

ICVVD041519

Tot Ion:	96	Resp:	392347
Ion	Ratio	Lower	Upper
96	100		
61	126.1	104.4	156.6
98	65.5	51.8	77.8

Manual Integrations
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4/16/2019 3:13:07 PM



#22

Diisopropyl ether

Concen: 50.650 ug/l

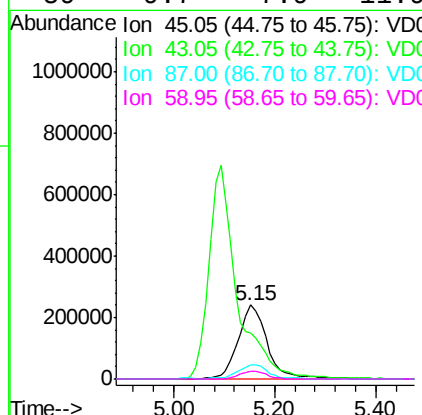
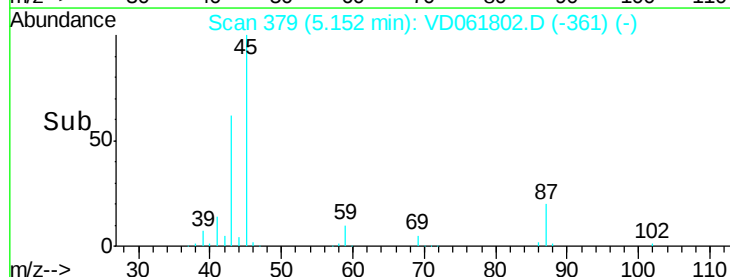
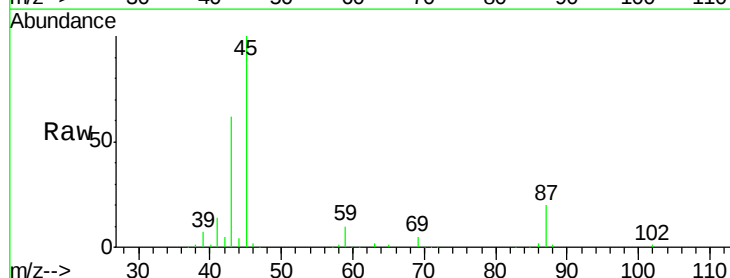
RT: 5.15 min Scan# 379

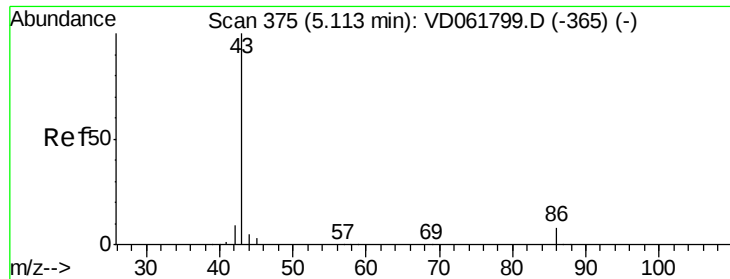
Delta R.T. -0.02 min

Lab File: VD061802.D

Acq: 15 Apr 2019 18:42

Tgt Ion:	45	Resp:	955575
Ion	Ratio	Lower	Upper
45	100		
43	62.4	46.2	69.2
87	19.8	15.9	23.9
59	9.7	7.9	11.9





#23

Vinyl Acetate

Concen: 268.449 ug/l

RT: 5.09 min Scan# 373

Delta R.T. -0.02 min

Lab File: VD061802.D

Acq: 15 Apr 2019 18:42

Instrument :

MSVOA_D

ClientSampleId :

ICVVD041519

Tot Ion: 43 Resp: 2707393

Ion Ratio Lower Upper

43 100

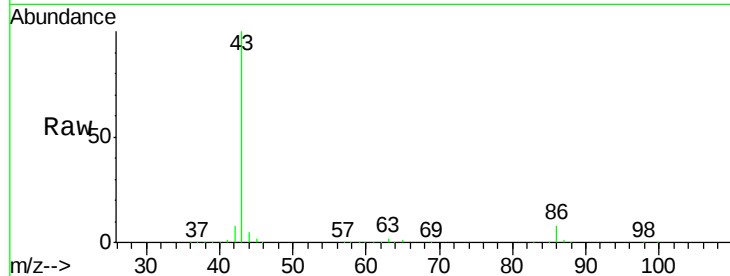
86 8.3 6.4 9.6

Manual Integrations

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MMDadoda

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.09

800000

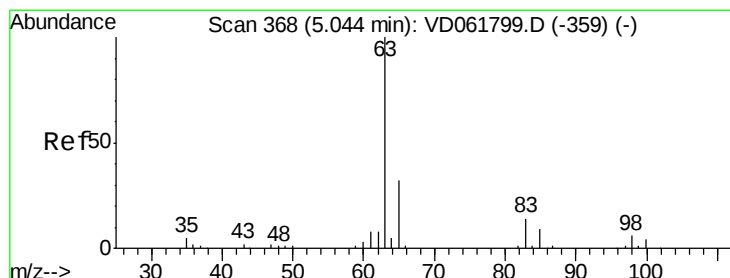
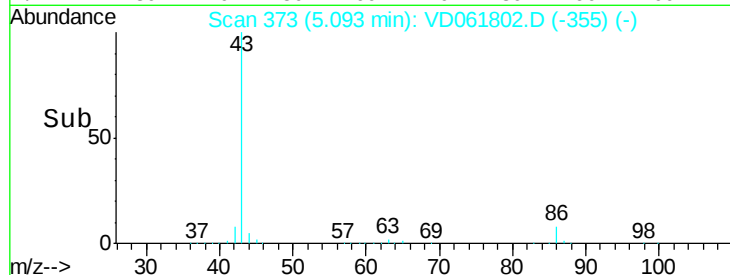
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 55.106 ug/l

RT: 5.02 min Scan# 366

Delta R.T. -0.02 min

Lab File: VD061802.D

Acq: 15 Apr 2019 18:42

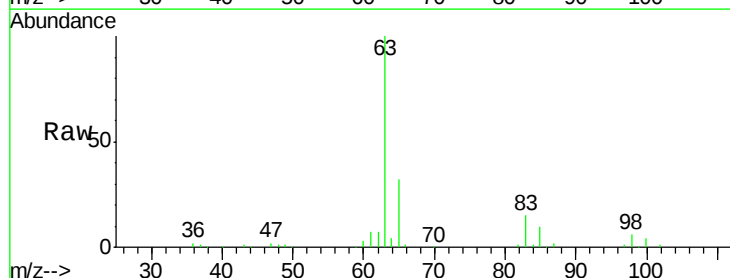
Tgt Ion: 63 Resp: 630339

Ion Ratio Lower Upper

63 100

98 5.6 2.8 8.4

100 3.8 1.8 5.5



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

200000

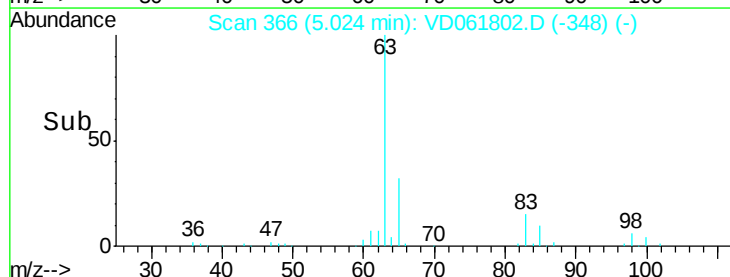
150000

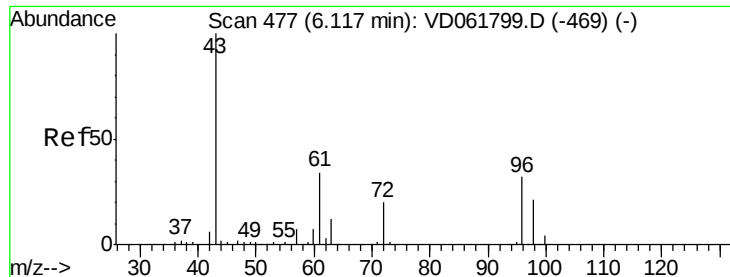
100000

50000

0

Time-->





#25

2-Butanone

Concen: 263.261 ug/l

RT: 6.10 min Scan# 475

Delta R.T. -0.02 min

Lab File: VD061802.D

Acq: 15 Apr 2019 18:42

Instrument :

MSVOA_D

ClientSampleId :

ICVVD041519

Tot Ion: 43 Resp: 427129

Ion Ratio Lower Upper

43 100

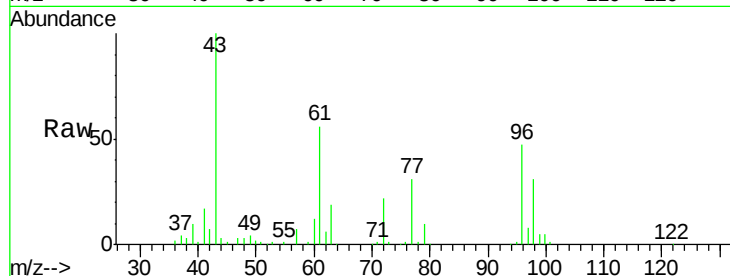
72 21.7 16.2 24.4

Manual Integrations

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

150000

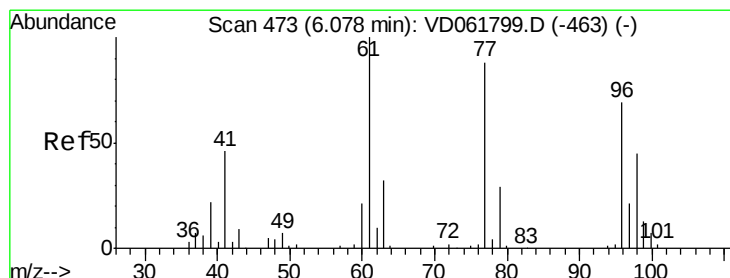
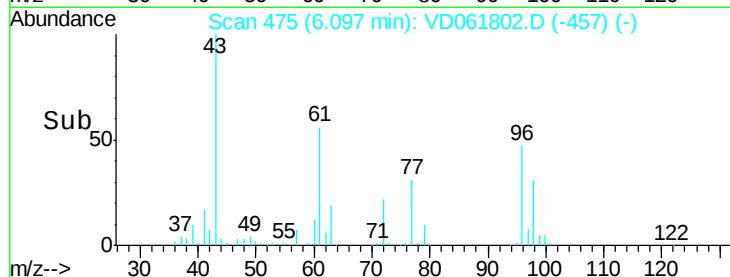
100000

50000

0

6.00 6.10 6.20

Time-->



#26

2,2-Dichloropropane

Concen: 53.122 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.02 min

Lab File: VD061802.D

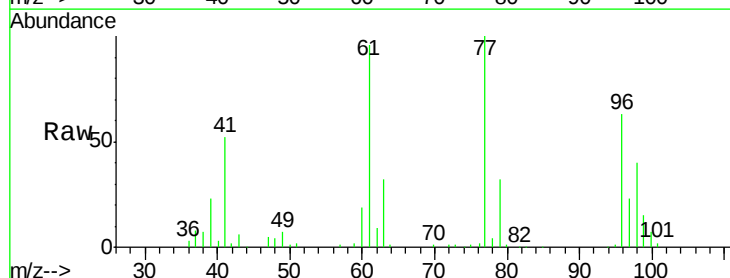
Acq: 15 Apr 2019 18:42

Tgt Ion: 77 Resp: 525220

Ion Ratio Lower Upper

77 100

97 23.3 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

150000

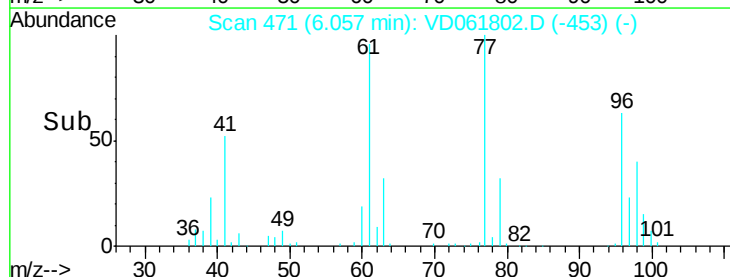
100000

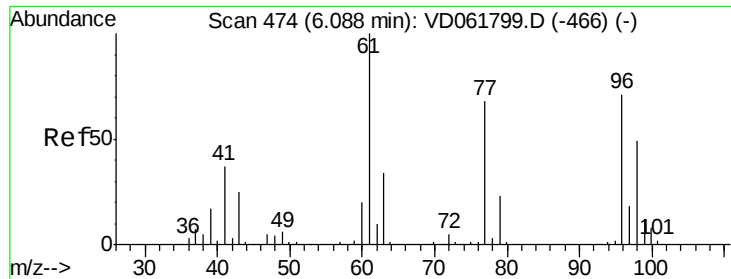
50000

0

5.90 6.00 6.10 6.20 6.30

Time-->





#27

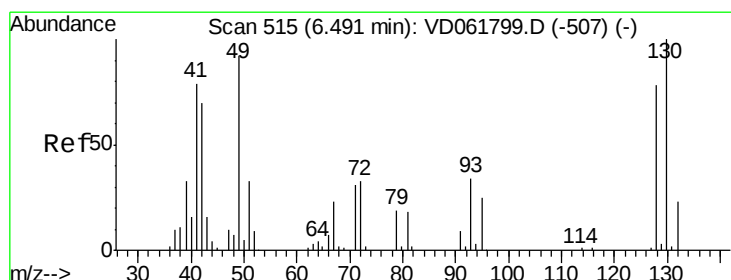
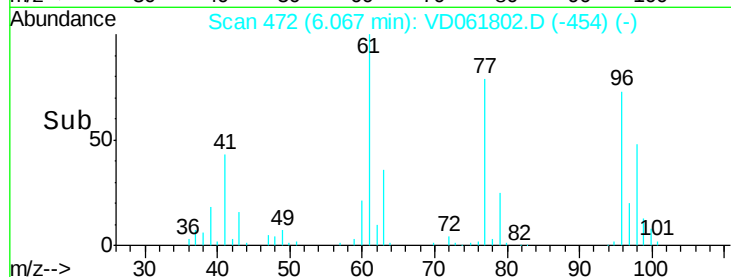
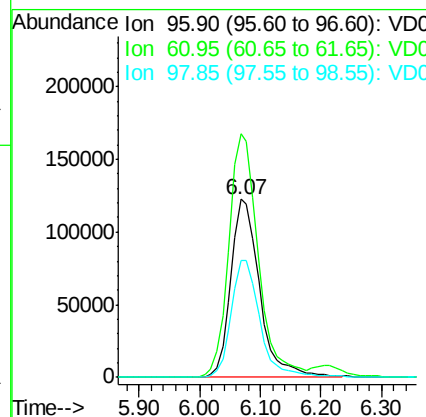
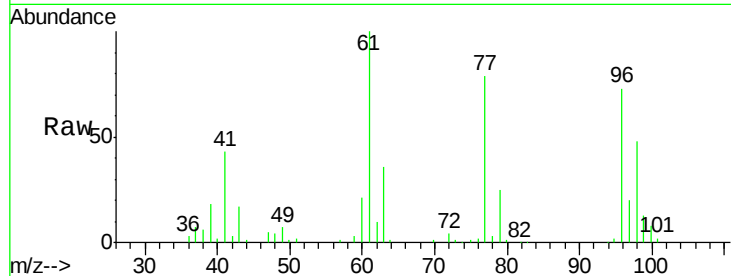
cis-1,2-Dichloroethene
Concen: 52.809 ug/l
RT: 6.07 min Scan# 472
Delta R.T. -0.02 min
Lab File: VD061802.D
Acq: 15 Apr 2019 18:42

Instrument :
MSVOA_D
ClientSampleId :
ICVVD041519

Tot Ion	Ratio	Resp	Lower	Upper
96	100	407378		
61	136.7	0.0	279.8	
98	65.7	0.0	136.0	

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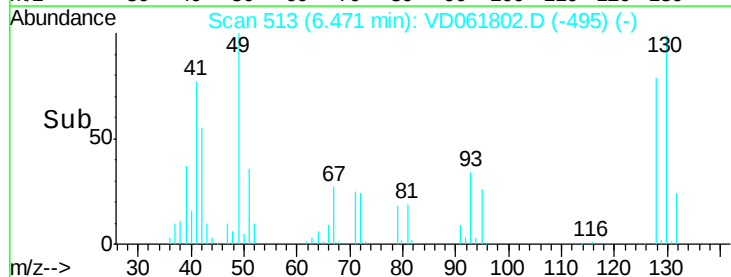
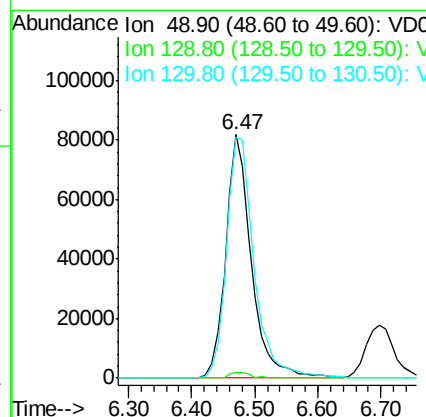
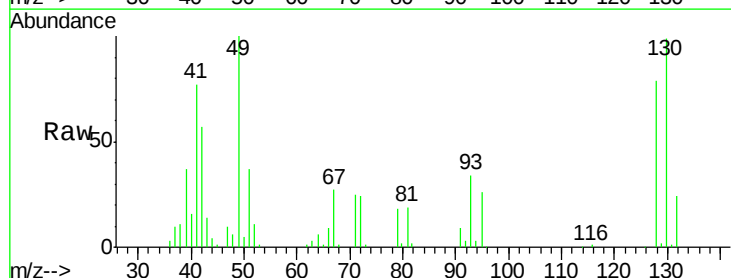
MMDadoda
4/16/2019 3:13:07 PM



#28

Bromochloromethane
Concen: 53.088 ug/l
RT: 6.47 min Scan# 513
Delta R.T. -0.02 min
Lab File: VD061802.D
Acq: 15 Apr 2019 18:42

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	230661		
129	2.4	0.0	6.6	
130	98.8	86.7	130.1	





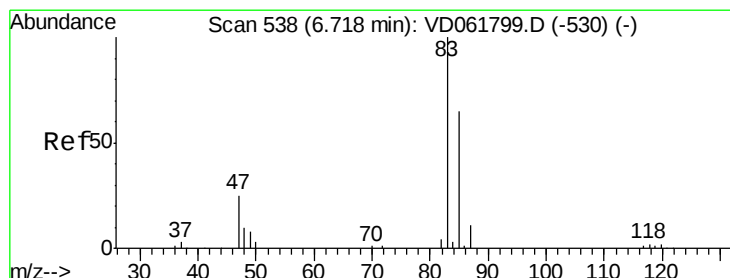
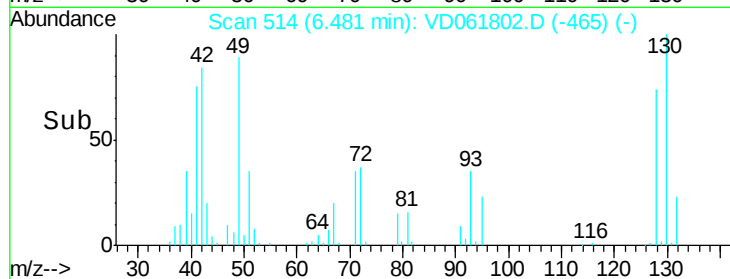
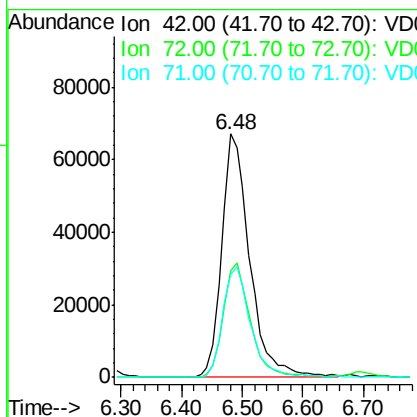
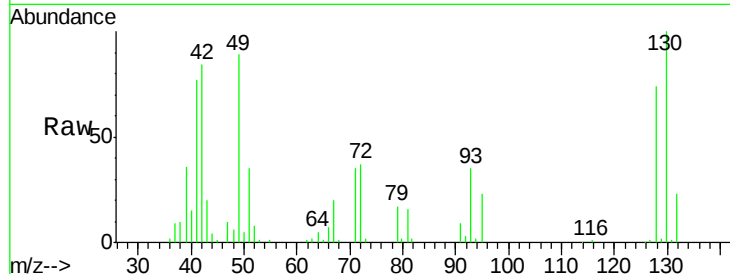
#29
Tetrahydrofuran
Concen: 271.953 ug/l
RT: 6.48 min Scan# 514
Delta R.T. -0.02 min
Lab File: VD061802.D
Acq: 15 Apr 2019 18:42

Instrument :
MSVOA_D
ClientSampleId :
ICVVD041519

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.8	37.8	56.6
71	45.0	36.7	55.1

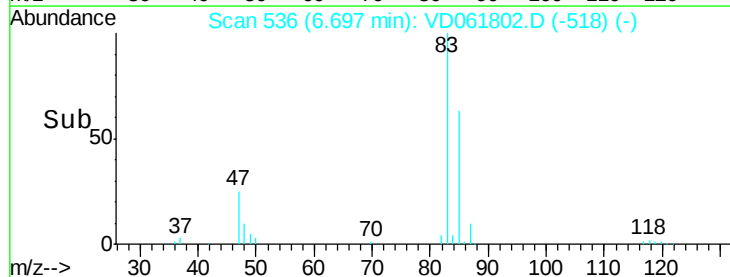
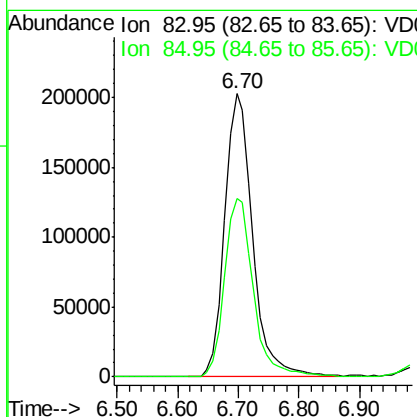
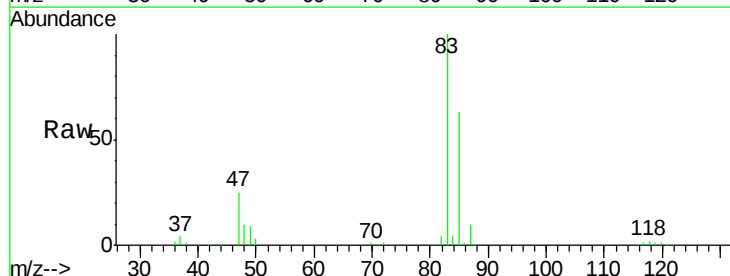
Manual Integrations
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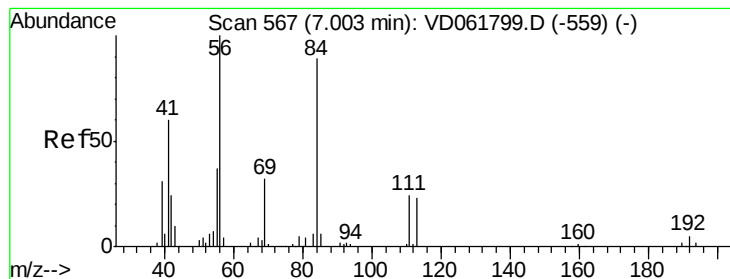
MMDadoda
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#30
Chloroform
Concen: 50.762 ug/l
RT: 6.70 min Scan# 536
Delta R.T. -0.02 min
Lab File: VD061802.D
Acq: 15 Apr 2019 18:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.1	51.7	77.5





#31

Cyclohexane

Concen: 53.241 ug/l

RT: 6.99 min Scan# 566

Delta R.T. -0.01 min

Lab File: VD061802.D

Acq: 15 Apr 2019 18:42

Instrument :

MSVOA_D

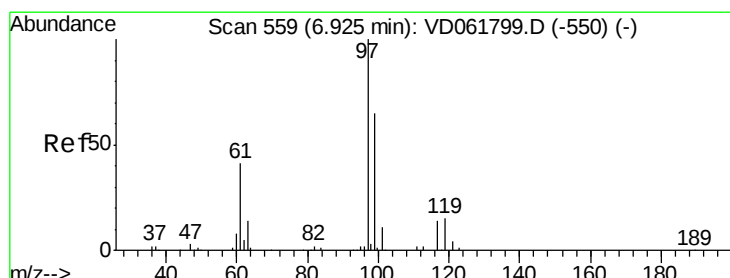
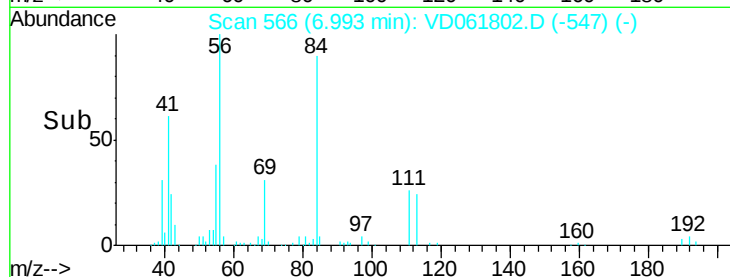
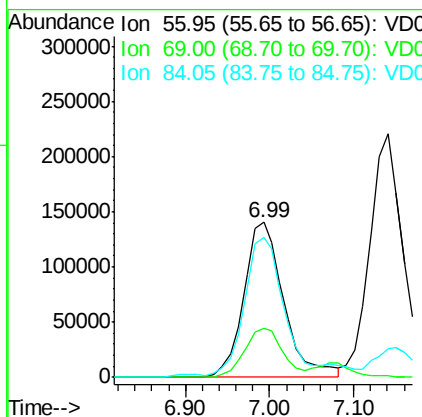
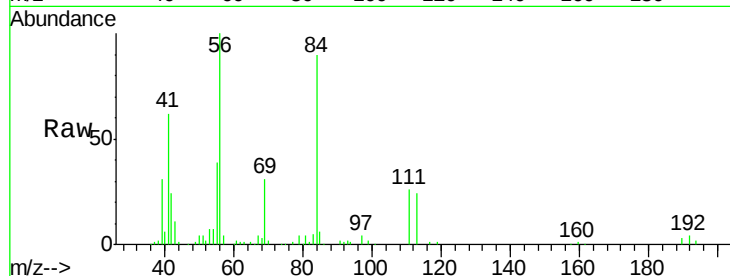
ClientSampleId :

ICVVD041519

Tot Ion:	56	Resp:	466212
Ion	Ratio	Lower	Upper
56	100		
69	31.4	25.8	38.6
84	90.2	72.2	108.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 53.684 ug/l

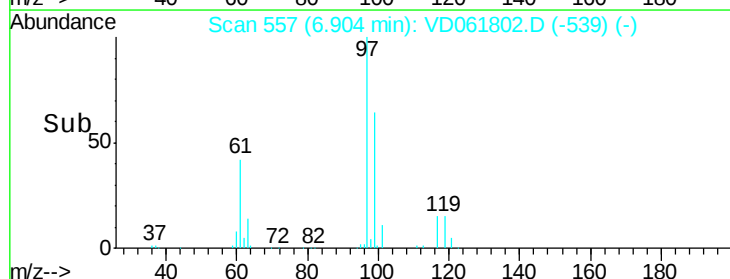
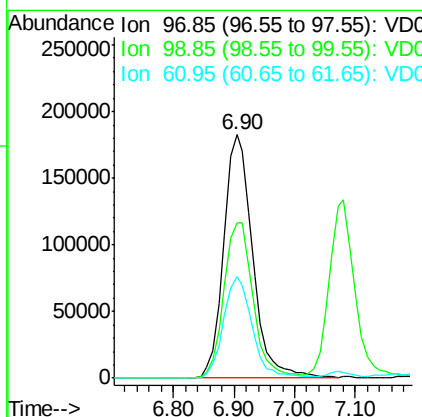
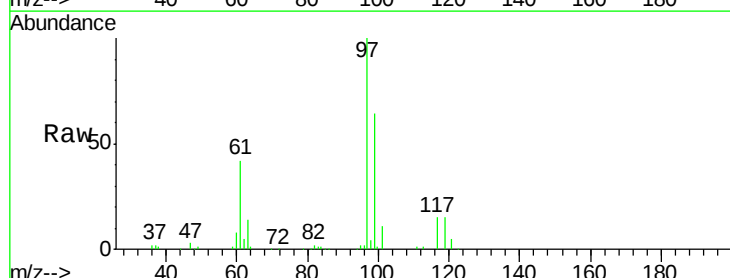
RT: 6.90 min Scan# 557

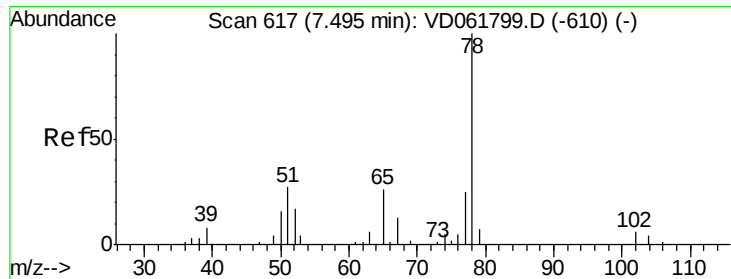
Delta R.T. -0.02 min

Lab File: VD061802.D

Acq: 15 Apr 2019 18:42

Tgt Ion:	97	Resp:	607155
Ion	Ratio	Lower	Upper
97	100		
99	63.7	52.2	78.2
61	41.6	32.4	48.6





#33

1,2-Dichloroethane-d4

Concen: 53.684 ug/l

RT: 7.48 min Scan# 616

Delta R.T. -0.01 min

Lab File: VD061802.D

Acq: 15 Apr 2019 18:42

Instrument :

MSVOA_D

ClientSampleId :

ICVVD041519

Tot Ion: 65 Resp: 304413

Ion Ratio Lower Upper

65 100

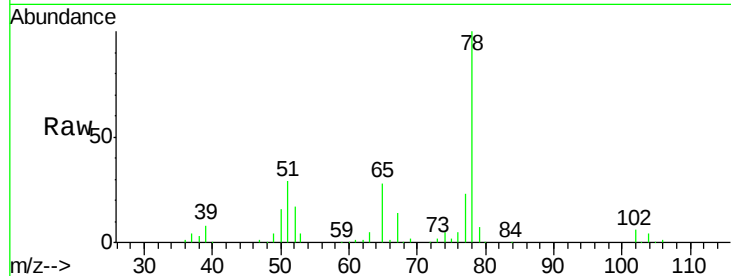
67 49.5 0.0 98.0

Manual Integrations

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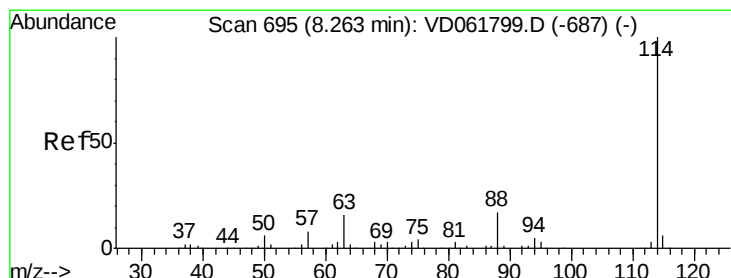
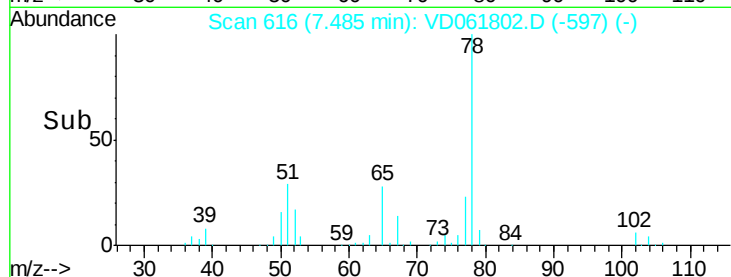
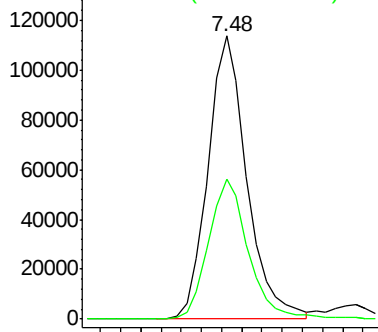
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Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.24 min Scan# 693

Delta R.T. -0.02 min

Lab File: VD061802.D

Acq: 15 Apr 2019 18:42

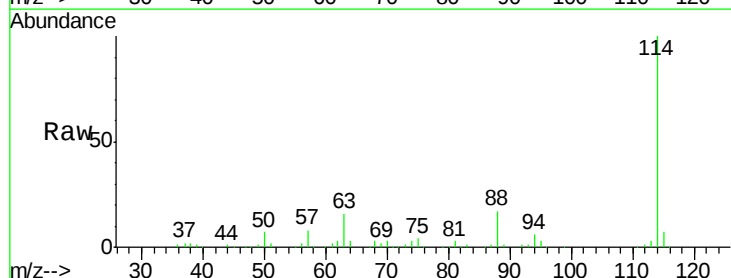
Tgt Ion: 114 Resp: 1090082

Ion Ratio Lower Upper

114 100

63 16.2 0.0 32.4

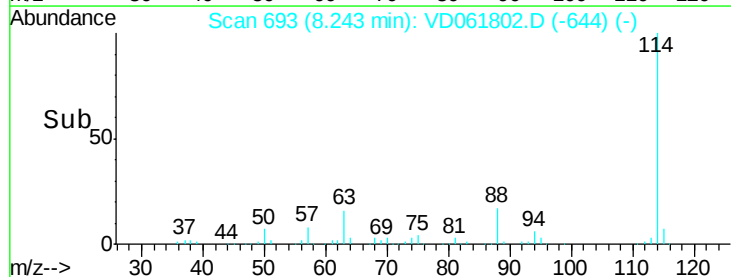
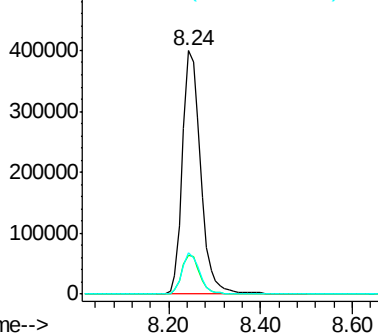
88 17.1 0.0 33.6

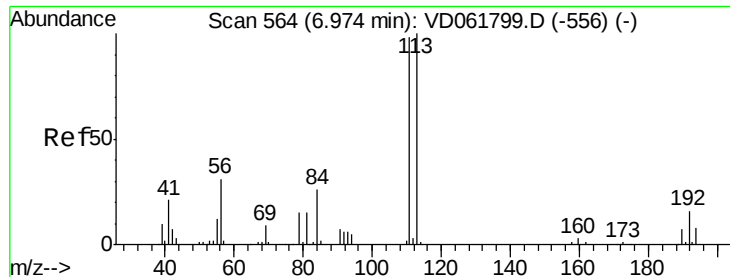


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.95 min Scan# 562

Delta R.T. -0.02 min

Lab File: VD061802.D

Acq: 15 Apr 2019 18:42

Instrument :

MSVOA_D

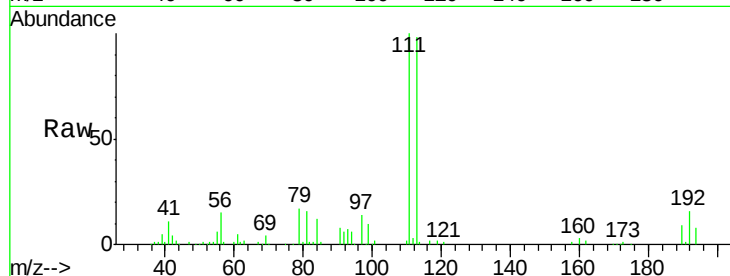
ClientSampleId :

ICVVD041519

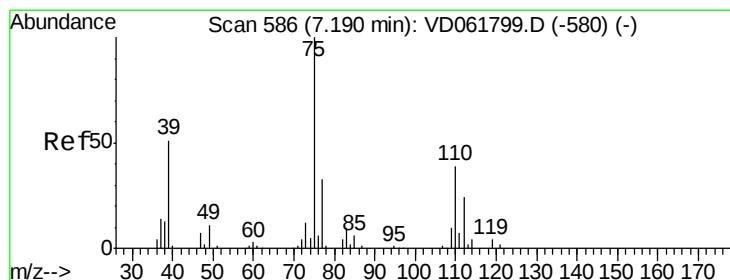
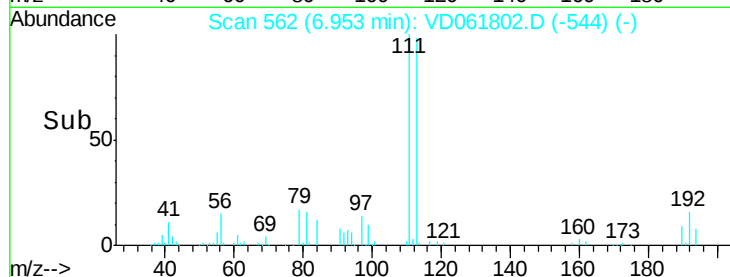
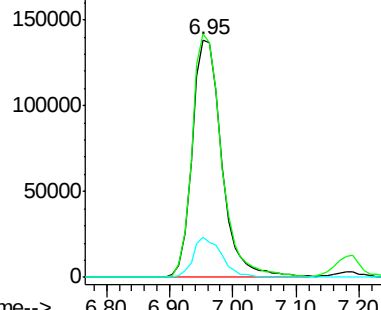
Tot Ion:	113	Resp:	450502
Ion Ratio	Lower	Upper	
113	100		
111	102.5	78.5	117.7
192	16.9	13.0	19.4

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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: 55.198 ug/l

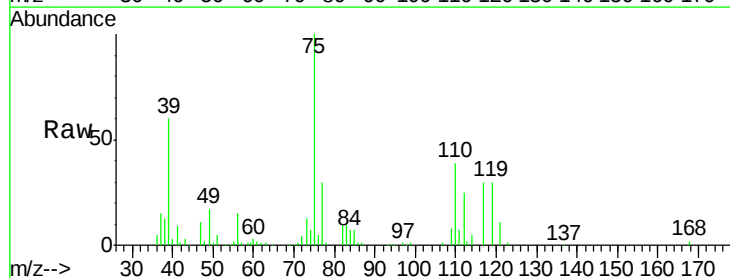
RT: 7.18 min Scan# 585

Delta R.T. -0.01 min

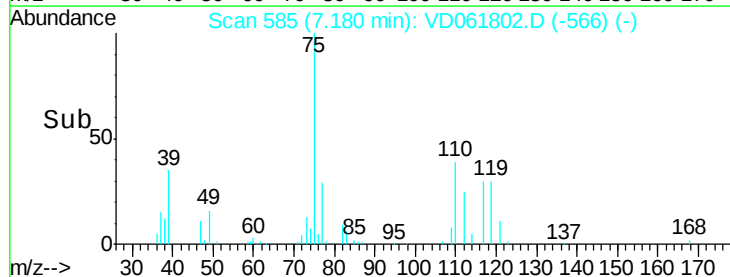
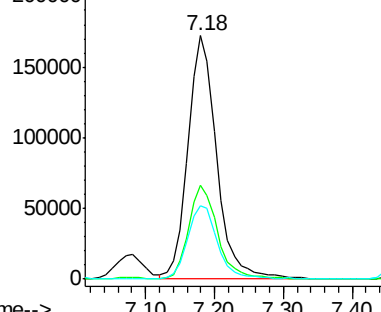
Lab File: VD061802.D

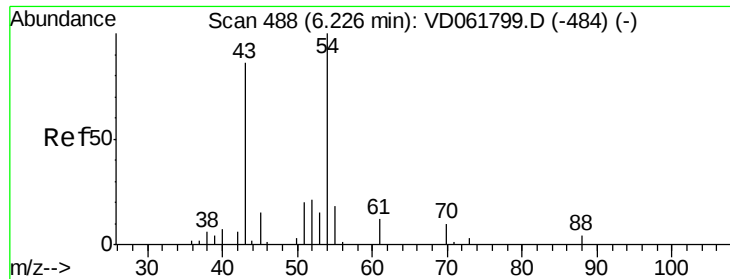
Acq: 15 Apr 2019 18:42

Tgt Ion:	75	Resp:	491688
Ion Ratio	Lower	Upper	
75	100		
110	38.8	19.1	57.1
77	30.1	25.6	38.4



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: 46.961 ug/l

RT: 6.21 min Scan# 487

Delta R.T. -0.01 min

Lab File: VD061802.D

Acq: 15 Apr 2019 18:42

Instrument :

MSVOA_D

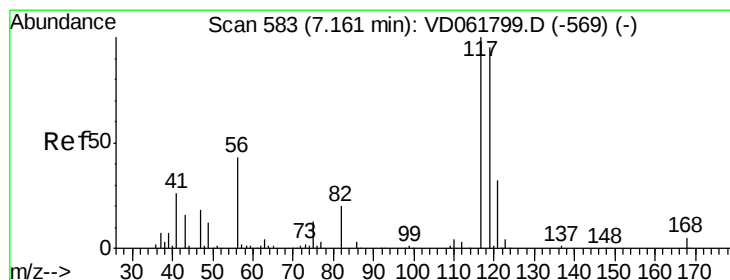
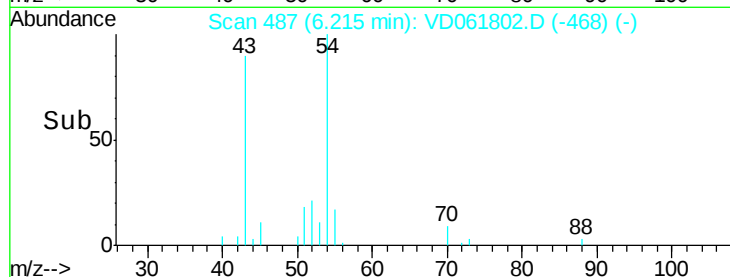
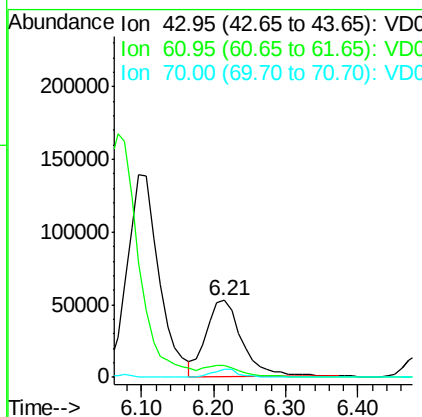
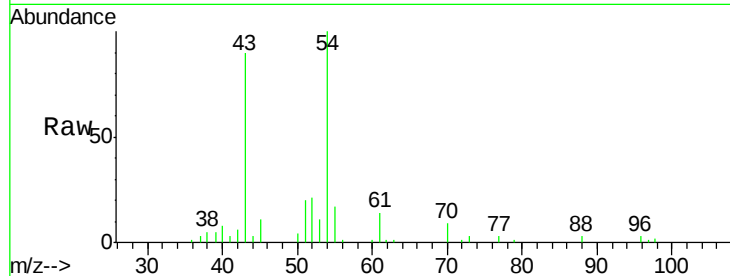
ClientSampleId :

ICVVD041519

Tot Ion:	43	Resp:	179034
Ion	Ratio	Lower	Upper
43	100		
61	15.1	14.7	22.1
70	10.5	7.8	11.6

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#38

Carbon Tetrachloride

Concen: 54.985 ug/l m

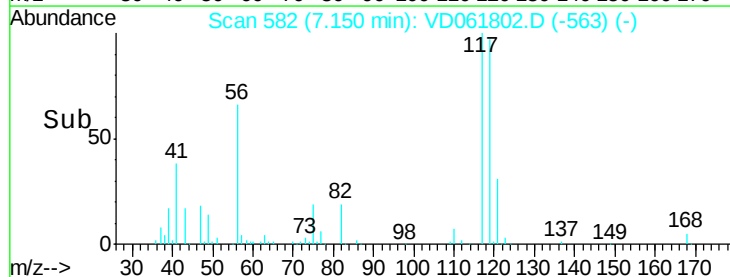
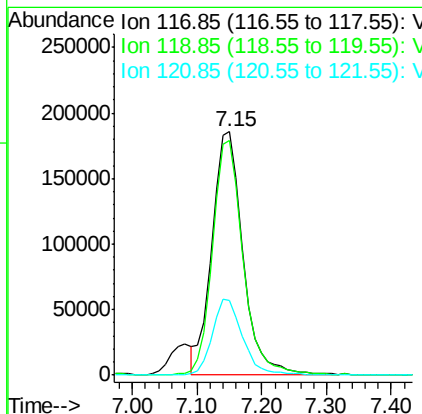
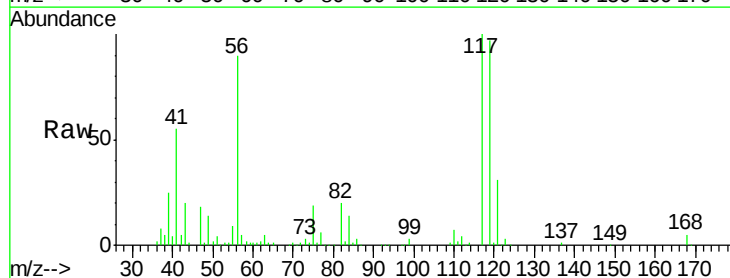
RT: 7.15 min Scan# 582

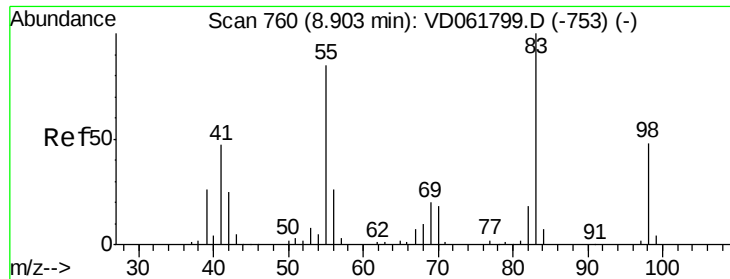
Delta R.T. -0.01 min

Lab File: VD061802.D

Acq: 15 Apr 2019 18:42

Tgt Ion:	117	Resp:	618464
Ion	Ratio	Lower	Upper
117	100		
119	96.5	75.8	113.8
121	30.7	25.9	38.9





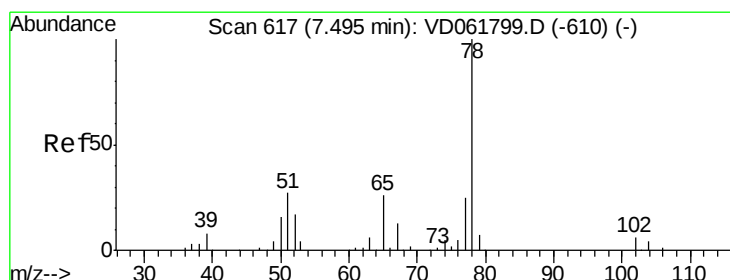
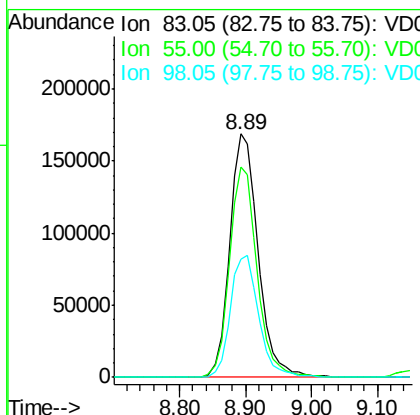
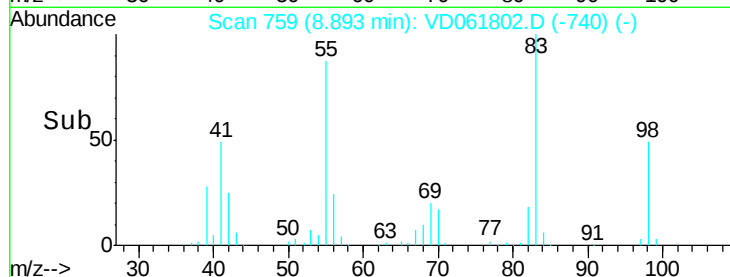
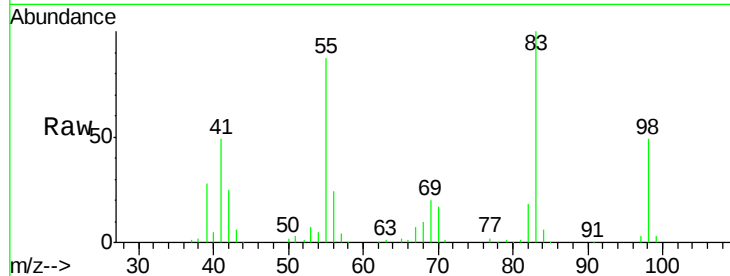
#39
Methvlcvclohexane
Concen: 55.127 ug/l
RT: 8.89 min Scan# 759
Delta R.T. -0.01 min
Lab File: VD061802.D
Acq: 15 Apr 2019 18:42

Instrument :
MSVOA_D
ClientSampleId :
ICVVD041519

Tot Ion	83	Resp	509928
Ion Ratio	Lower	Upper	
83	100		
55	86.5	68.2	102.4
98	48.5	38.2	57.4

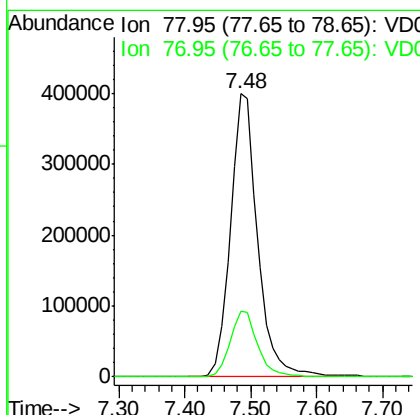
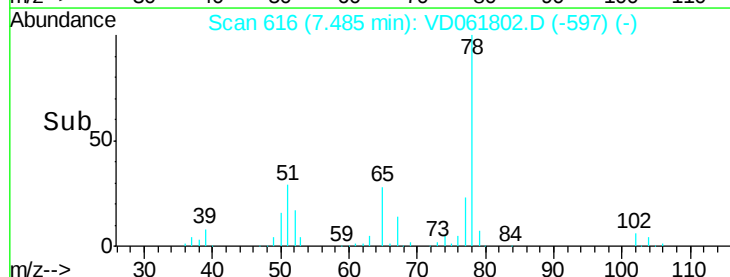
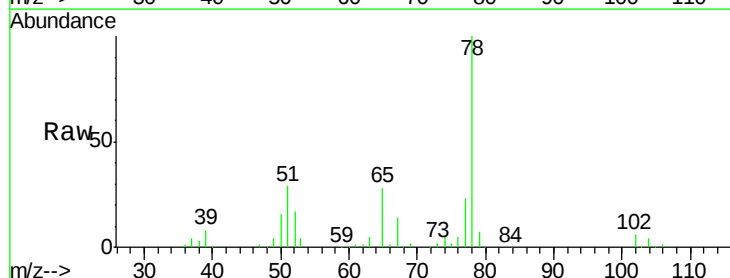
Manual Integrations
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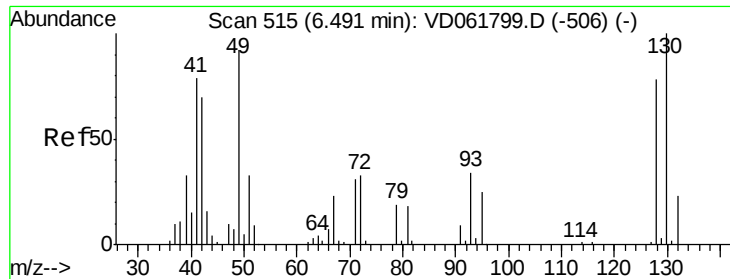
MMDadoda
4/16/2019 3:13:07 PM



#40
Benzene
Concen: 53.853 ug/l
RT: 7.48 min Scan# 616
Delta R.T. -0.01 min
Lab File: VD061802.D
Acq: 15 Apr 2019 18:42

Tgt Ion	78	Resp	1151665
Ion Ratio	Lower	Upper	
78	100		
77	23.3	19.7	29.5





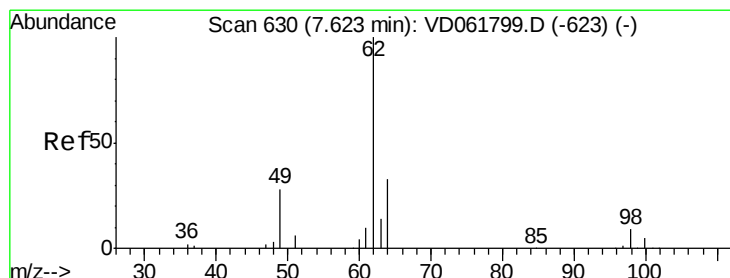
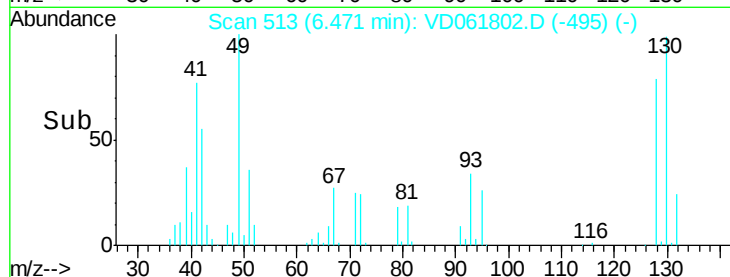
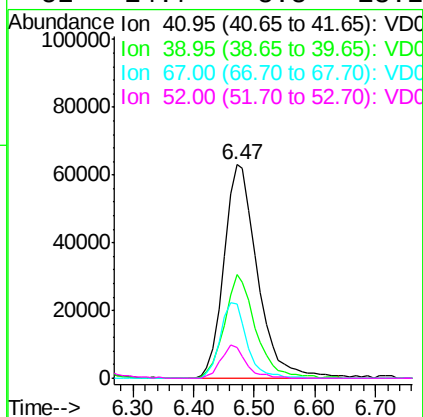
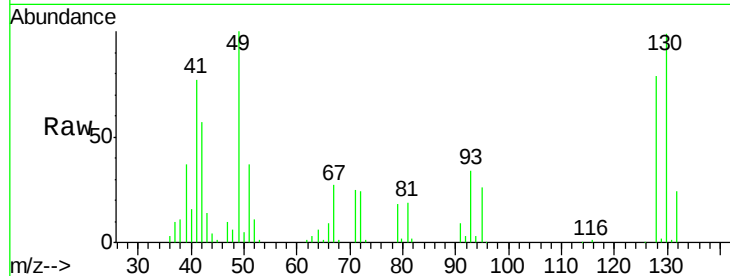
#41
Methacrylonitrile
Concen: 53.596 ug/l
RT: 6.47 min Scan# 513
Delta R.T. -0.02 min
Lab File: VD061802.D
Acq: 15 Apr 2019 18:42

Instrument :
MSVOA_D
ClientSampleId :
ICVVD041519

Tot Ion	Ratio	Resp	Lower	Upper
41	100	241510		
39	48.4		34.1	51.1
67	34.8		23.8	35.6
52	14.7		8.8	13.2#

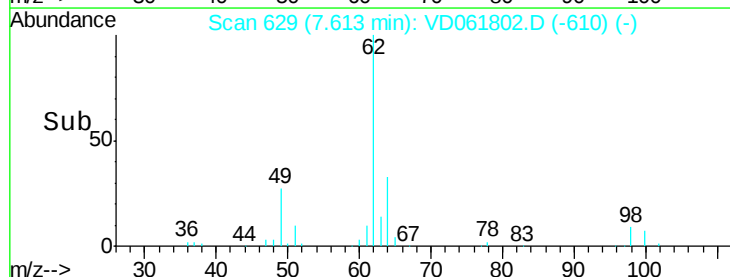
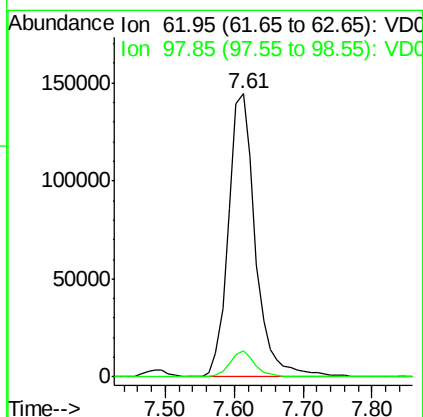
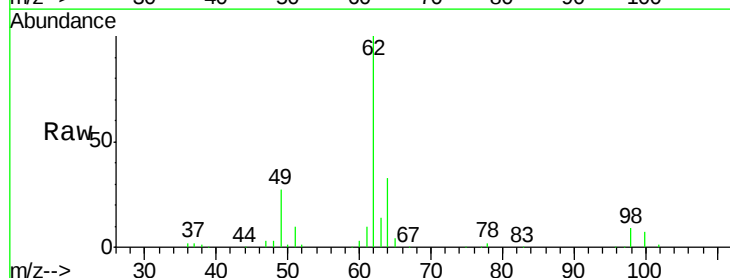
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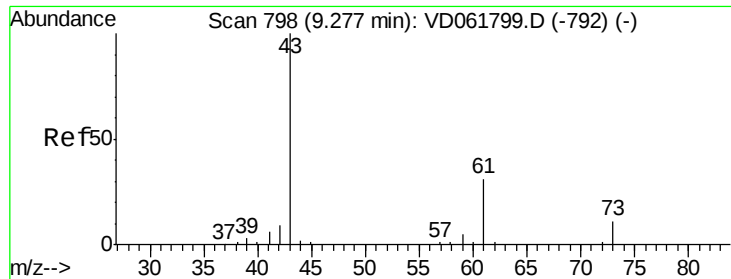
MMDadoda
4/16/2019 3:13:07 PM



#42
1,2-Dichloroethane
Concen: 52.753 ug/l
RT: 7.61 min Scan# 629
Delta R.T. -0.01 min
Lab File: VD061802.D
Acq: 15 Apr 2019 18:42

Tgt Ion	Ratio	Resp	Lower	Upper
62	100	392908		
98	9.3		0.0	17.8





#43

Isopropyl Acetate

Concen: 52.709 ug/l

RT: 9.27 min Scan# 797

Delta R.T. -0.01 min

Lab File: VD061802.D

Acq: 15 Apr 2019 18:42

Instrument :

MSVOA_D

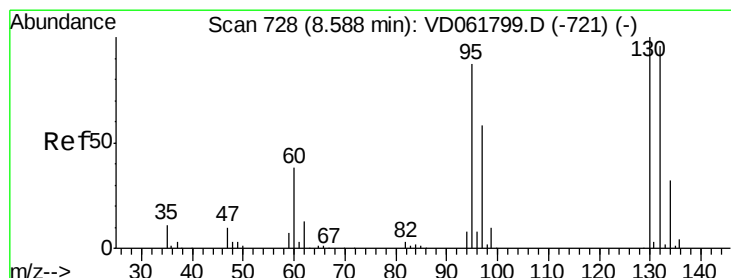
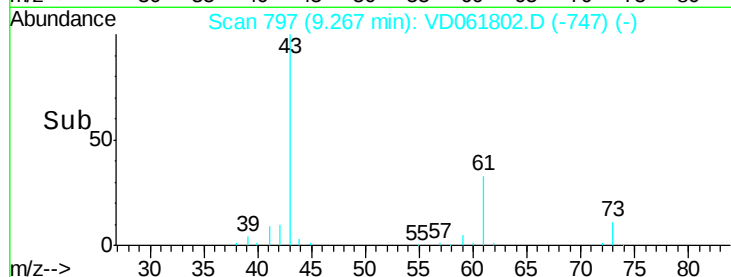
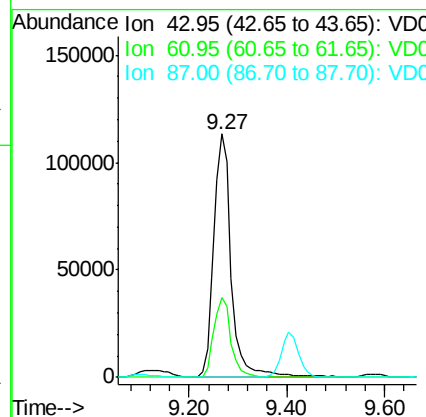
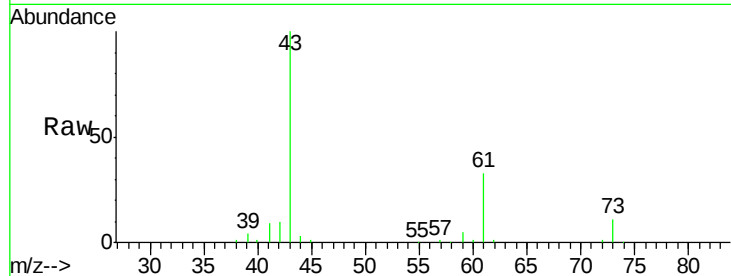
ClientSampleId :

ICVVD041519

Tot Ion:	43	Resp:	282786
Ion	Ratio	Lower	Upper
43	100		
61	32.6	25.1	37.7
87	0.0	0.0	0.0

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4/16/2019 3:13:07 PM



#44

Trichloroethene

Concen: 53.829 ug/l

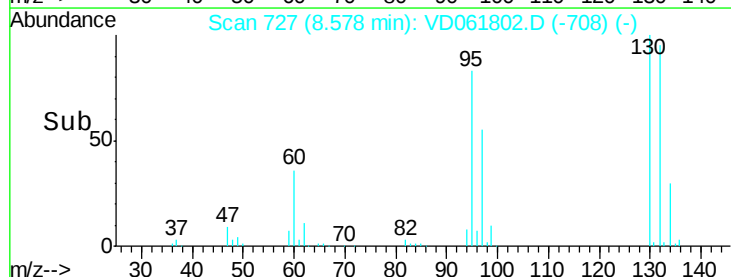
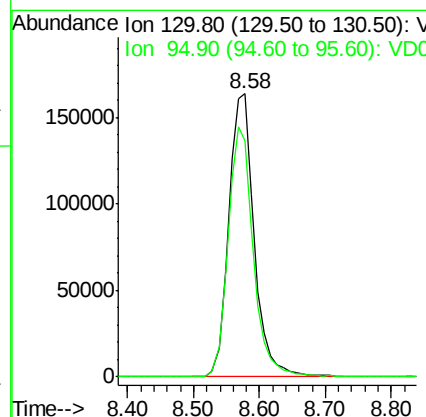
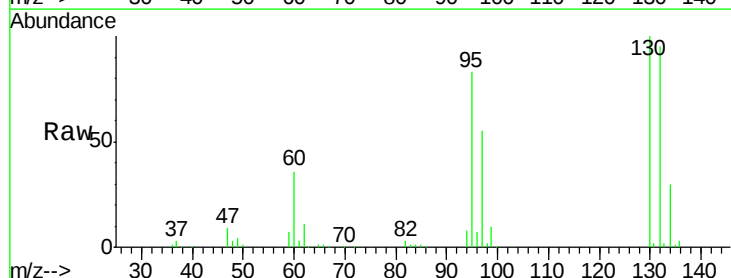
RT: 8.58 min Scan# 727

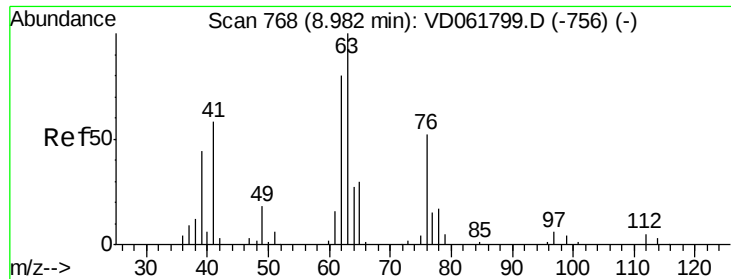
Delta R.T. -0.01 min

Lab File: VD061802.D

Acq: 15 Apr 2019 18:42

Tgt Ion:	130	Resp:	443152
Ion	Ratio	Lower	Upper
130	100		
95	83.5	0.0	174.0





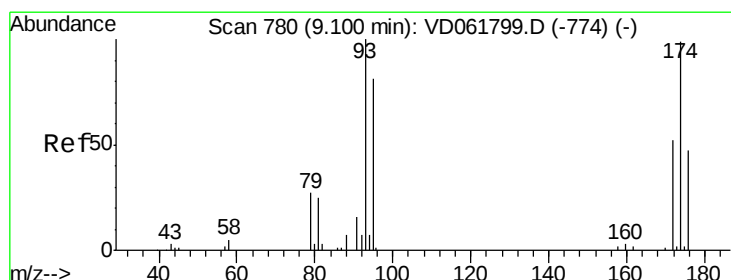
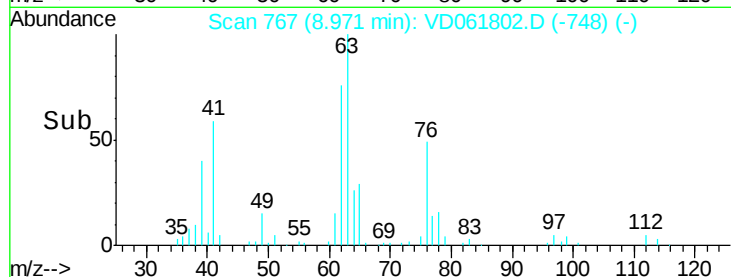
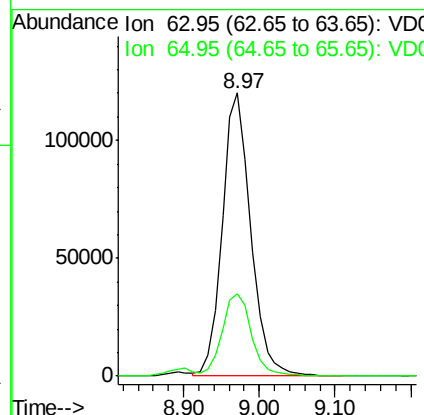
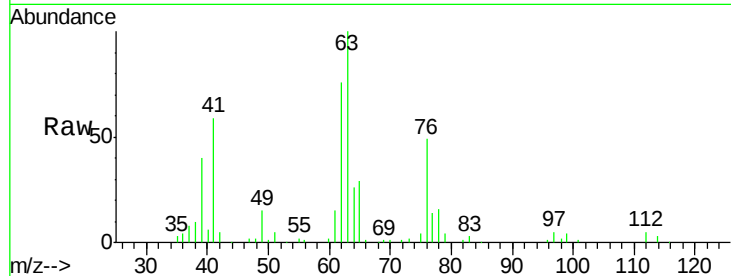
#45
 1,2-Dichloropropane
 Concen: 56.323 ug/l
 RT: 8.97 min Scan# 767
 Delta R.T. -0.01 min
 Lab File: VD061802.D
 Acq: 15 Apr 2019 18:42

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD041519

Tot Ion: 63 Resp: 313741
 Ion Ratio Lower Upper
 63 100
 65 29.3 23.8 35.6

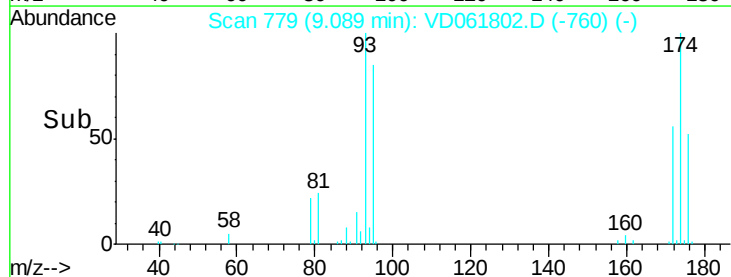
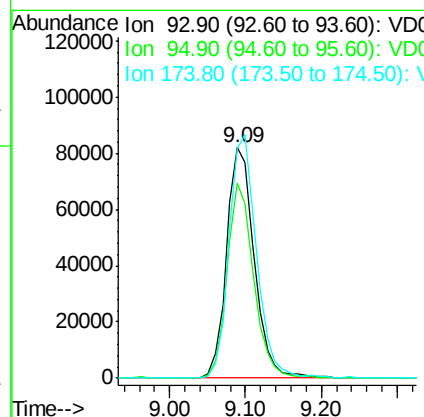
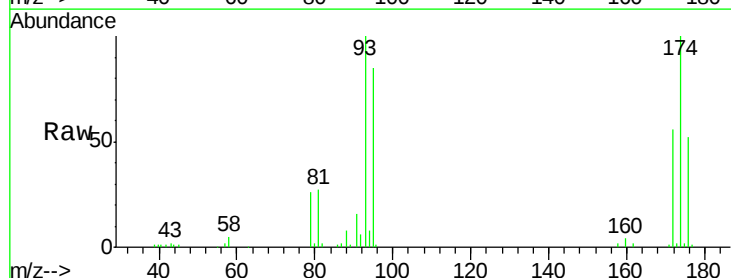
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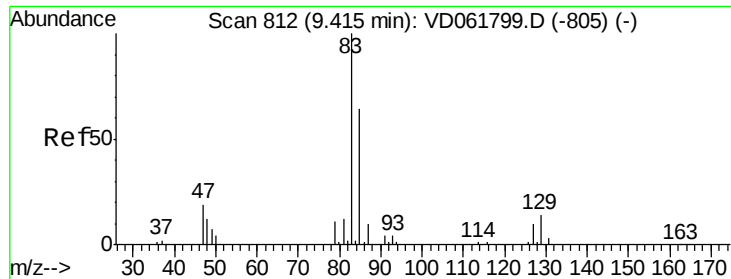
MMDadoda
 4/16/2019 3:13:07 PM



#46
 Dibromomethane
 Concen: 52.166 ug/l
 RT: 9.09 min Scan# 779
 Delta R.T. -0.01 min
 Lab File: VD061802.D
 Acq: 15 Apr 2019 18:42

Tgt Ion: 93 Resp: 207052
 Ion Ratio Lower Upper
 93 100
 95 84.8 64.8 97.2
 174 99.8 79.3 118.9





#47

Bromodichloromethane

Concen: 53.000 ug/l

RT: 9.40 min Scan# 811

Delta R.T. -0.01 min

Lab File: VD061802.D

Acq: 15 Apr 2019 18:42

Instrument :

MSVOA_D

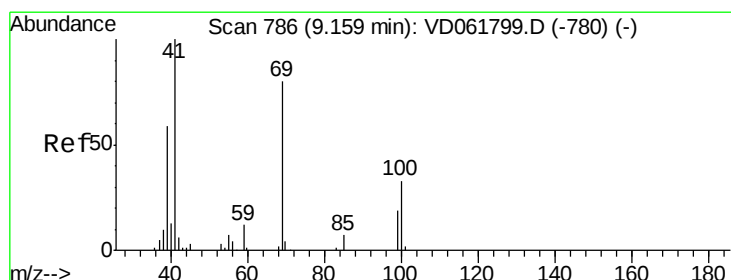
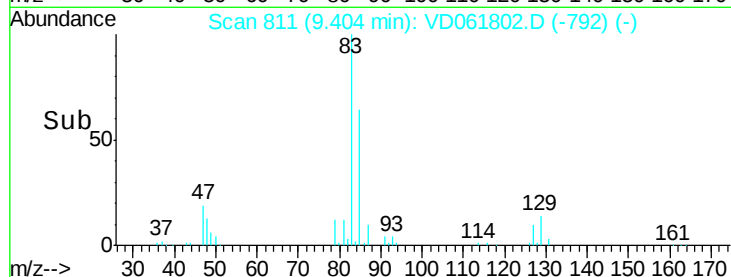
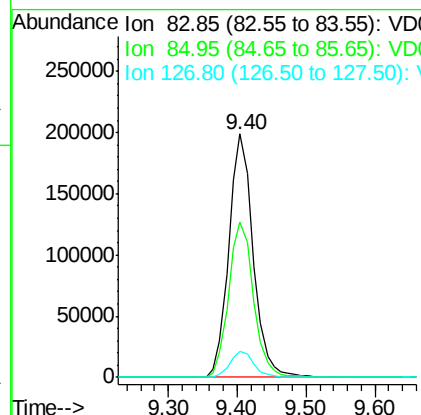
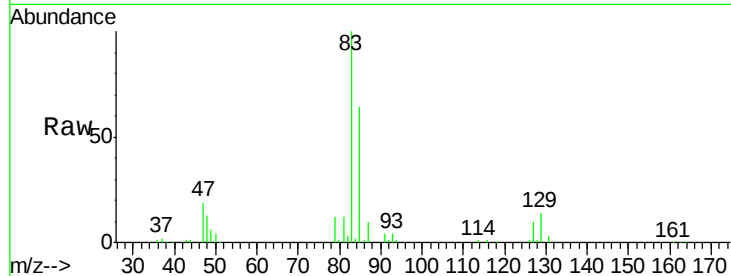
ClientSampleId :

ICVVD041519

Tot Ion:	83	Resp:	485309
Ion	Ratio	Lower	Upper
83	100		
85	63.6	50.9	76.3
127	10.5	8.1	12.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 53.433 ug/l

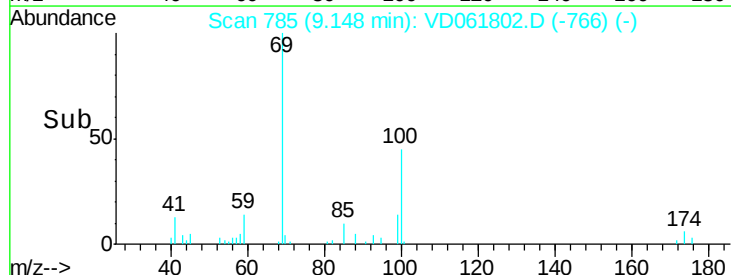
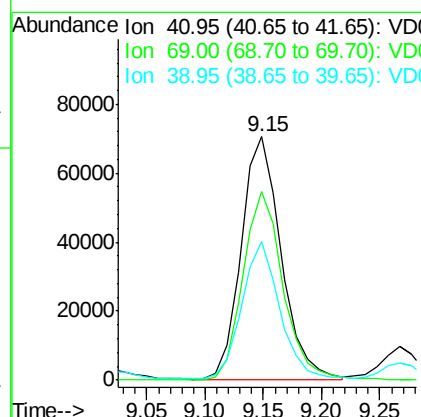
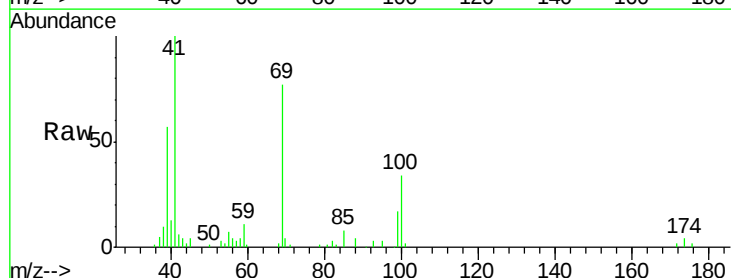
RT: 9.15 min Scan# 785

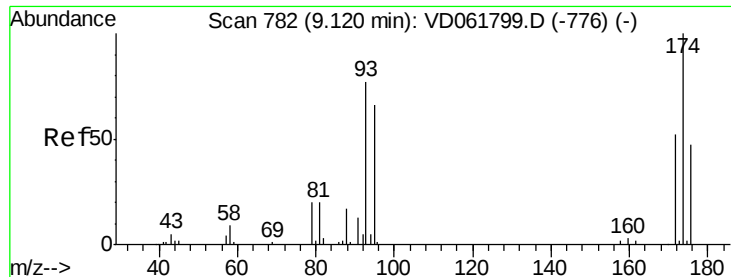
Delta R.T. -0.01 min

Lab File: VD061802.D

Acq: 15 Apr 2019 18:42

Tgt Ion:	41	Resp:	168507
Ion	Ratio	Lower	Upper
41	100		
69	77.4	64.2	96.2
39	56.9	46.8	70.2





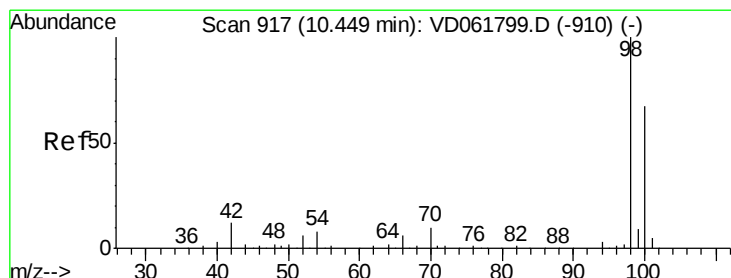
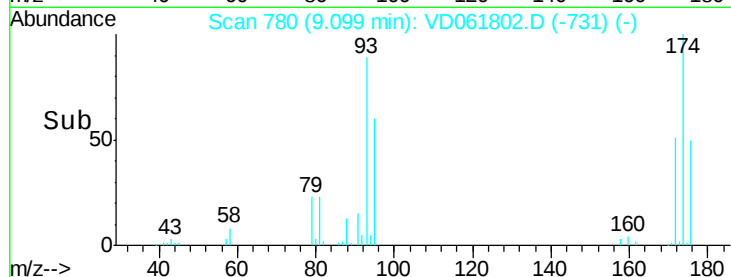
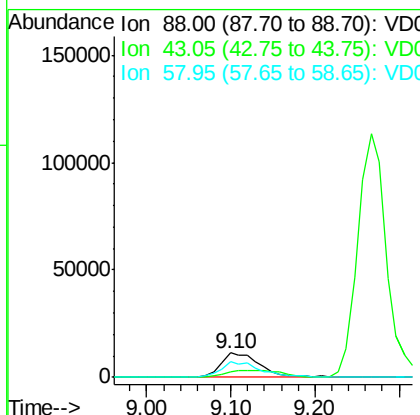
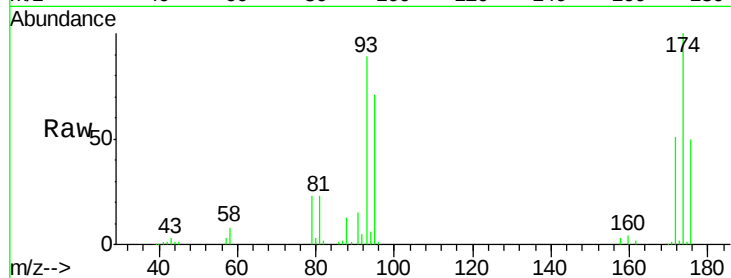
#49
 1,4-Dioxane
 Concen: 1056.182 ug/l
 RT: 9.10 min Scan# 780
 Delta R.T. -0.02 min
 Lab File: VD061802.D
 Acq: 15 Apr 2019 18:42

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD041519

Tot Ion	Ratio	Lower	Upper
88	100		
43	23.7	23.4	35.0
58	63.4	44.0	66.0

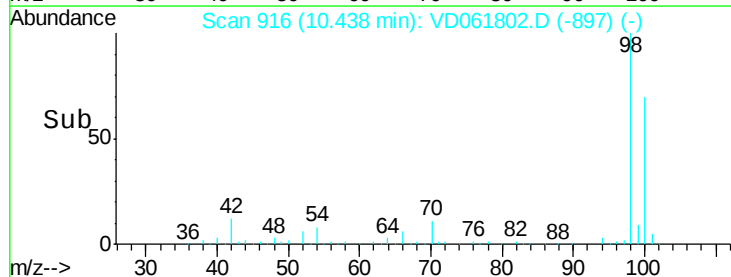
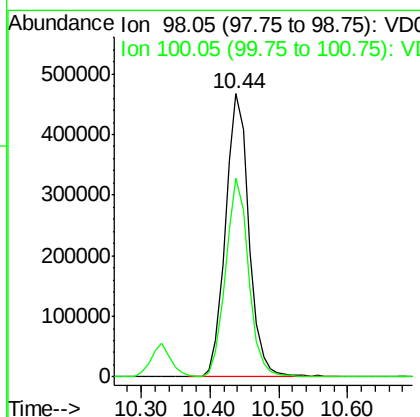
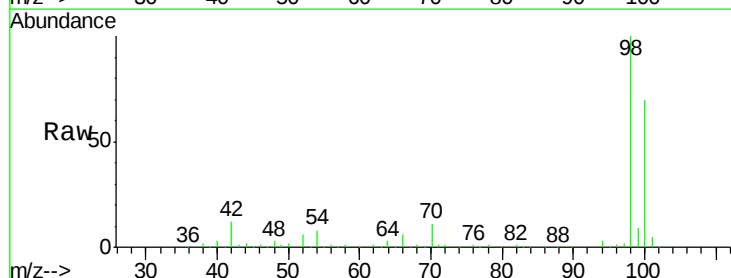
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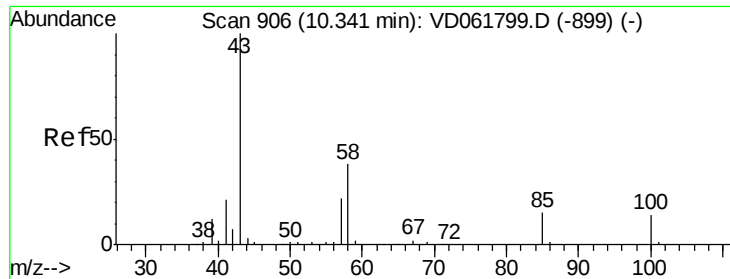
MMDadoda
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#50
 Toluene-d8
 Concen: 1056.182 ug/l
 RT: 10.44 min Scan# 916
 Delta R.T. -0.01 min
 Lab File: VD061802.D
 Acq: 15 Apr 2019 18:42

Tgt Ion	Ratio	Lower	Upper
98	100		
100	70.5	53.8	80.8





#51

4-Methyl-2-Pentanone

Concen: 263.434 ug/l

RT: 10.33 min Scan# 905

Delta R.T. -0.01 min

Lab File: VD061802.D

Acq: 15 Apr 2019 18:42

Instrument :

MSVOA_D

ClientSampleId :

ICVVD041519

Tot Ion: 43 Resp: 864297

Ion Ratio Lower Upper

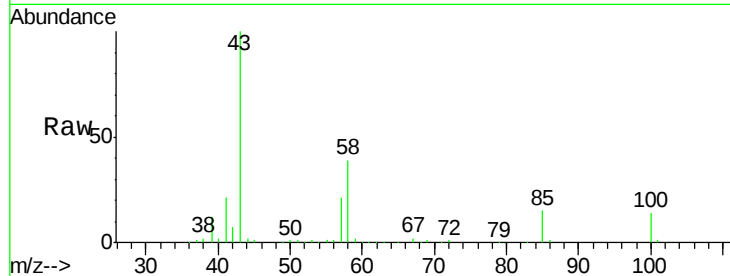
43 100

58 38.7 30.4 45.6

Manual Integrations
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.33

400000

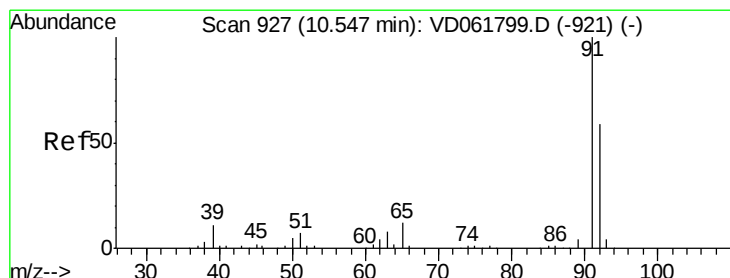
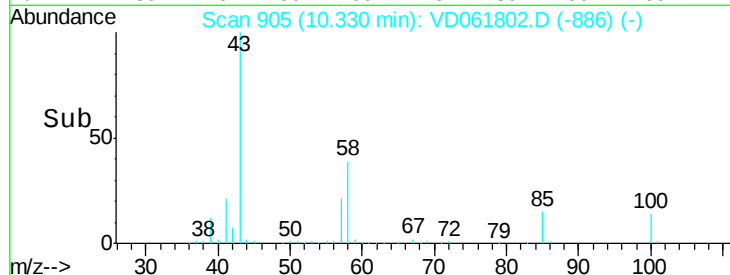
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 50.809 ug/l

RT: 10.54 min Scan# 926

Delta R.T. -0.01 min

Lab File: VD061802.D

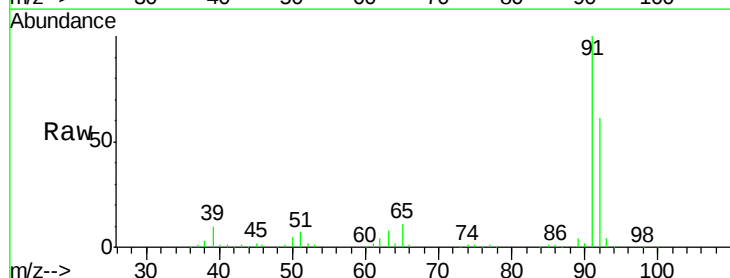
Acq: 15 Apr 2019 18:42

Tgt Ion: 92 Resp: 696301

Ion Ratio Lower Upper

92 100

91 165.2 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

600000

500000

400000

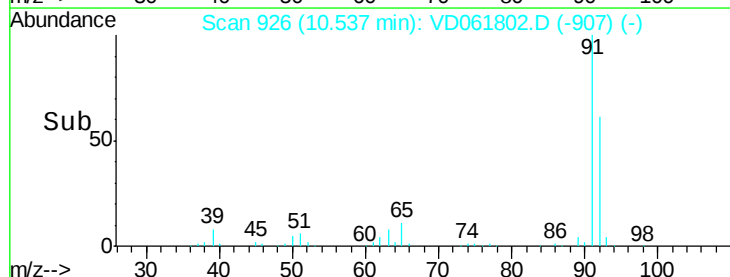
300000

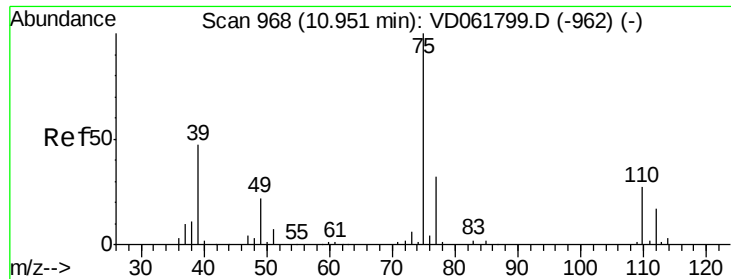
200000

100000

0

Time-->





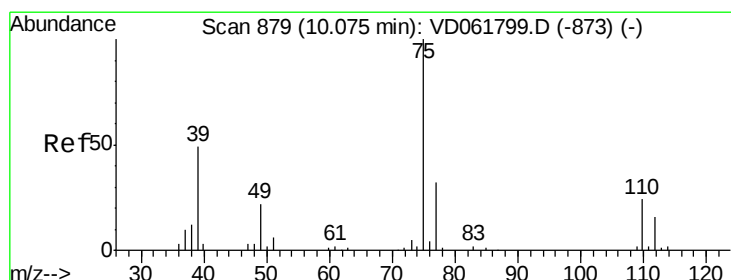
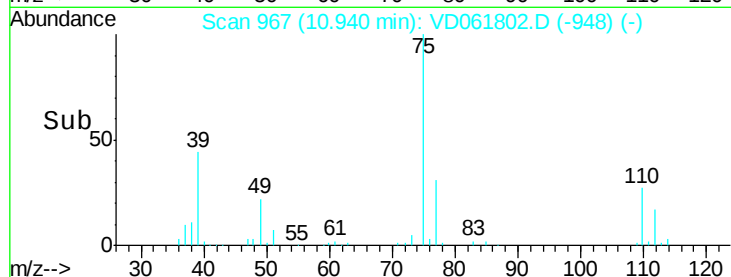
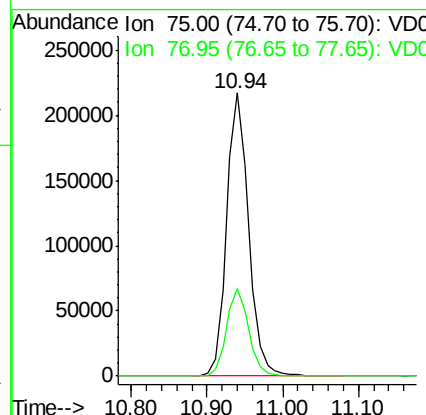
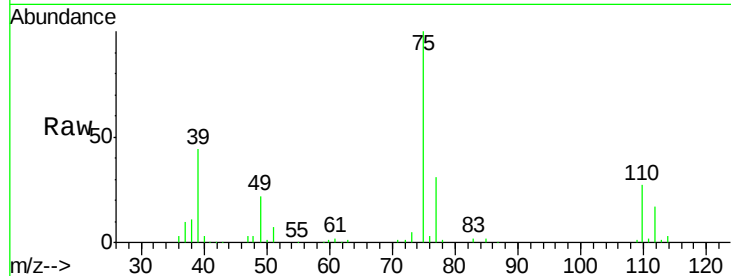
#53
t-1,3-Dichloropropene
Concen: 52.877 ug/l
RT: 10.94 min Scan# 967
Delta R.T. -0.01 min
Lab File: VD061802.D
Acq: 15 Apr 2019 18:42

Instrument :
MSVOA_D
ClientSampleId :
ICVVD041519

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.8	38.8

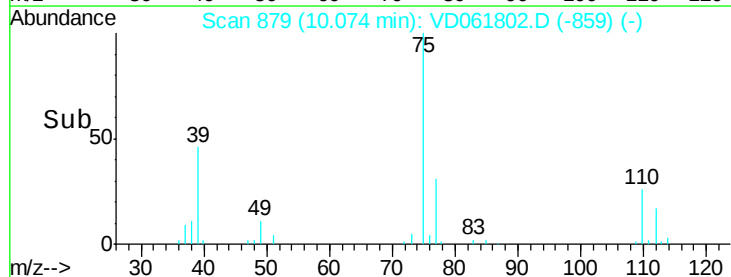
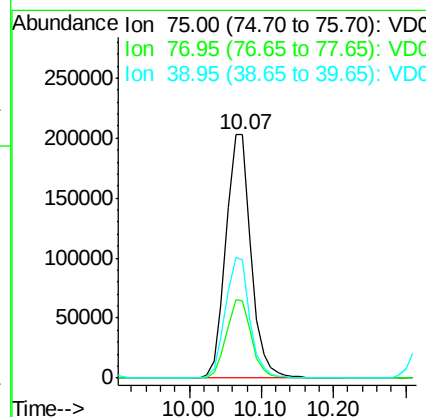
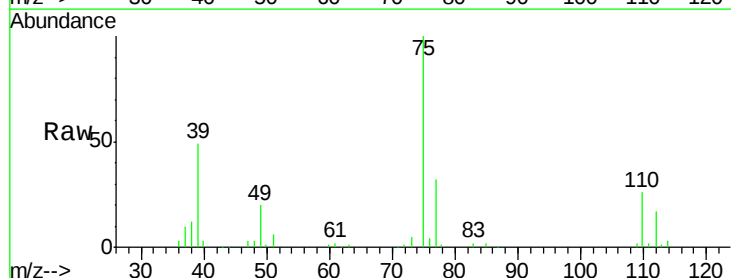
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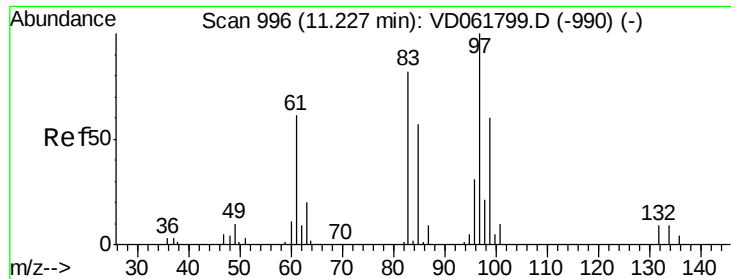
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 50.576 ug/l
RT: 10.07 min Scan# 879
Delta R.T. -0.00 min
Lab File: VD061802.D
Acq: 15 Apr 2019 18:42

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.5	38.3
39	48.7	39.4	59.2





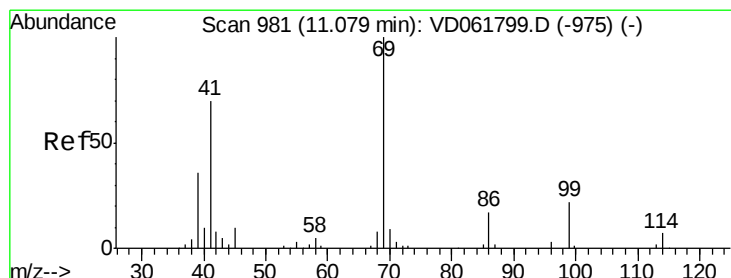
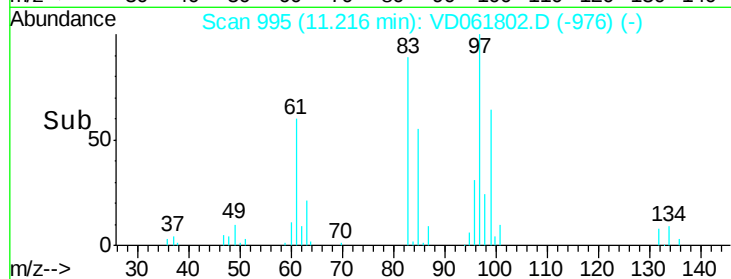
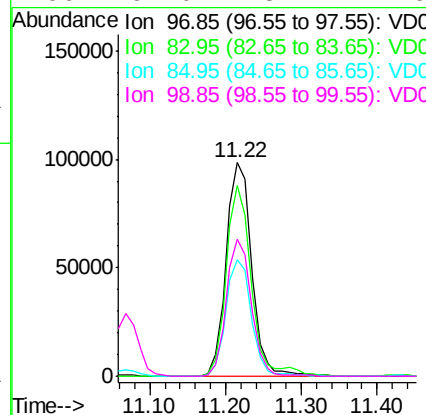
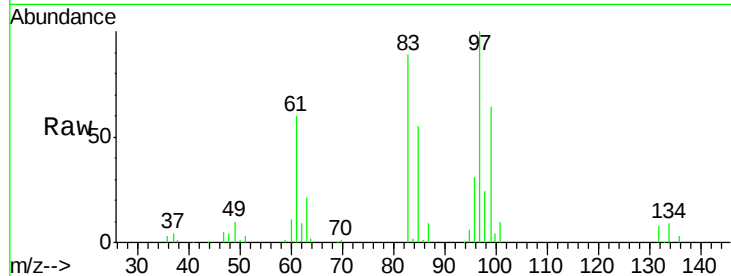
#55
 1,1,2-Trichloroethane
 Concen: 49.819 ug/l
 RT: 11.22 min Scan# 995
 Delta R.T. -0.01 min
 Lab File: VD061802.D
 Acq: 15 Apr 2019 18:42

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD041519

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		230058		
83	89.2	65.7	98.5		
85	54.8	45.6	68.4		
99	64.0	48.4	72.6		

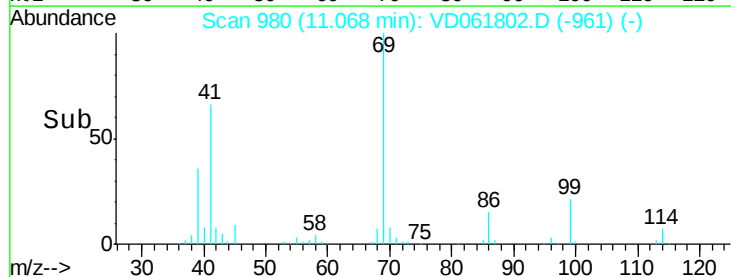
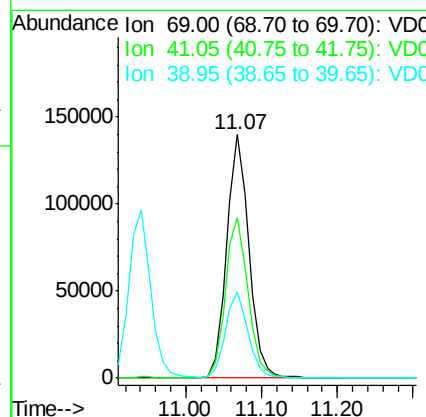
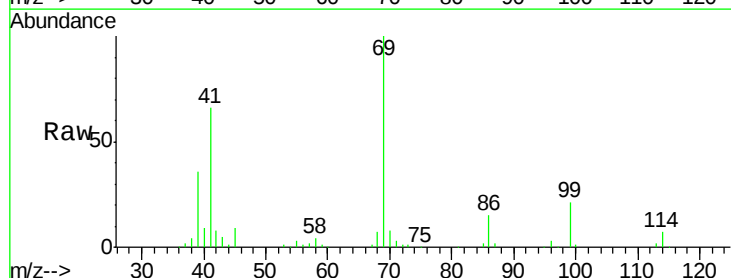
Manual Integrations
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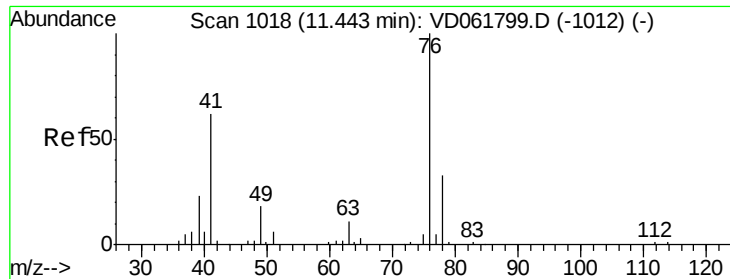
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 56.367 ug/l
 RT: 11.07 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VD061802.D
 Acq: 15 Apr 2019 18:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		285685		
41	66.0	56.3	84.5		
39	35.6	29.4	44.2		





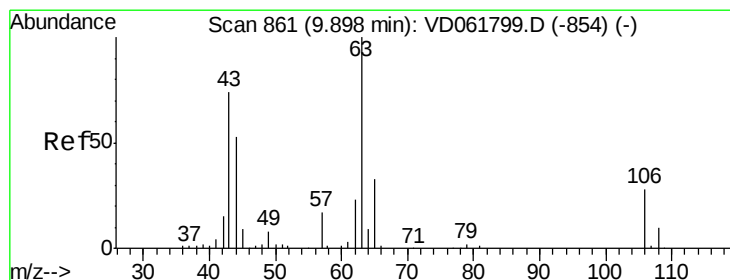
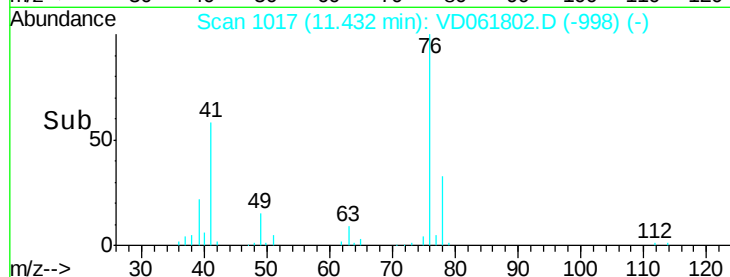
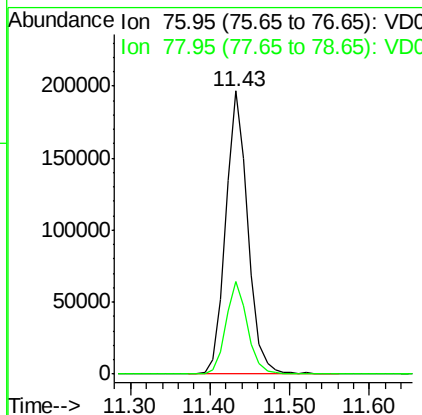
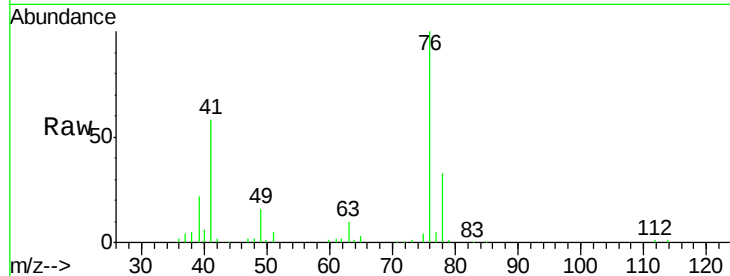
#57
 1,3-Dichloropropane
 Concen: 55.164 ug/l
 RT: 11.43 min Scan# 1017
 Delta R.T. -0.01 min
 Lab File: VD061802.D
 Acq: 15 Apr 2019 18:42

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD041519

Tot Ion: 76 Resp: 382977
 Ion Ratio Lower Upper
 76 100
 78 32.7 26.2 39.2

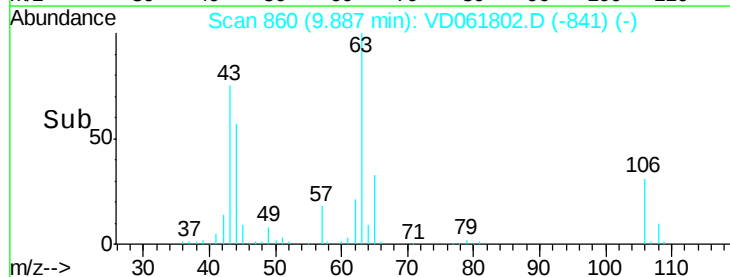
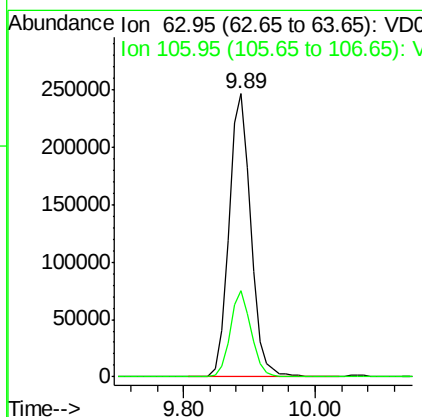
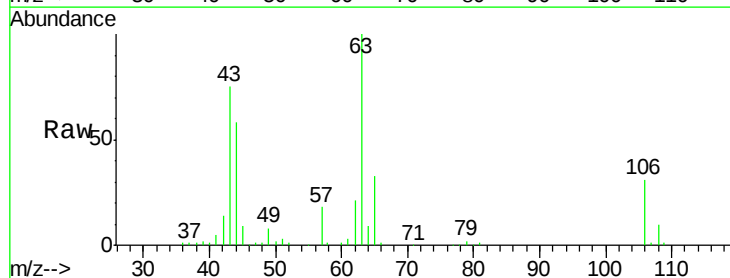
Manual Integrations
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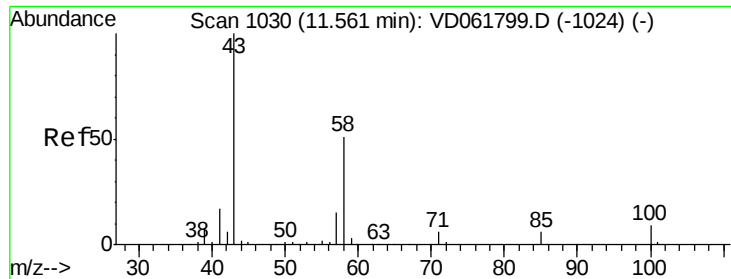
MMDadoda
 4/16/2019 3:13:07 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 237.724 ug/l
 RT: 9.89 min Scan# 860
 Delta R.T. -0.01 min
 Lab File: VD061802.D
 Acq: 15 Apr 2019 18:42

Tgt Ion: 63 Resp: 573084
 Ion Ratio Lower Upper
 63 100
 106 30.6 22.6 34.0





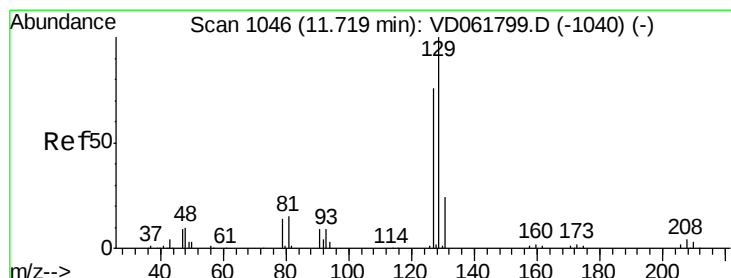
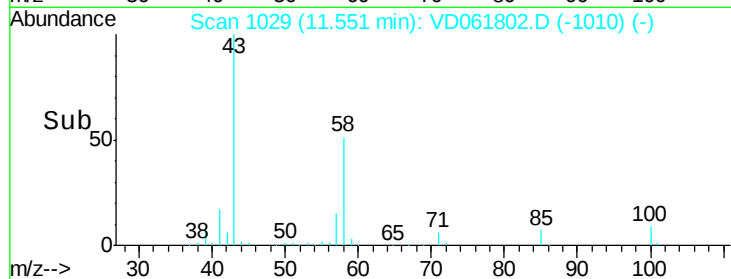
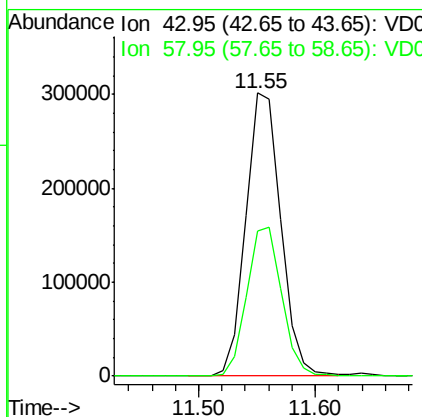
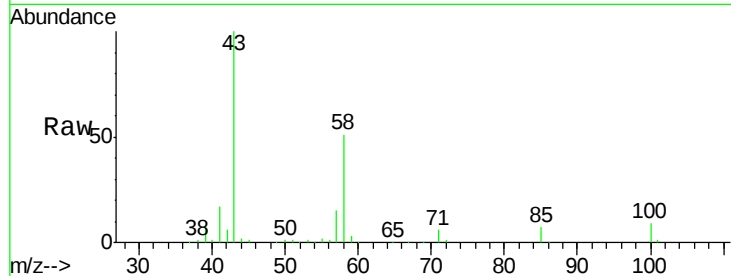
#59
2-Hexanone
Concen: 257.297 ug/l
RT: 11.55 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD061802.D
Acq: 15 Apr 2019 18:42

Instrument :
MSVOA_D
ClientSampleId :
ICVVD041519

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.3	25.4	76.4

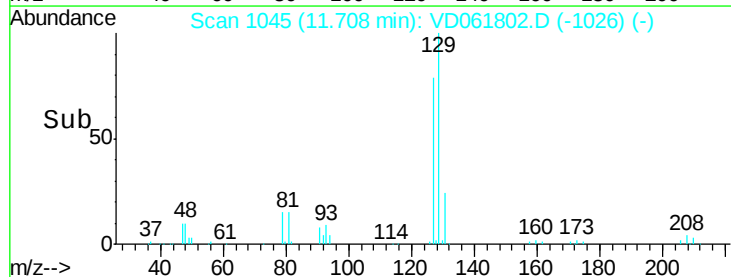
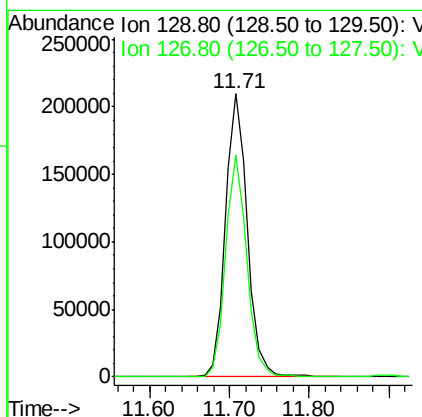
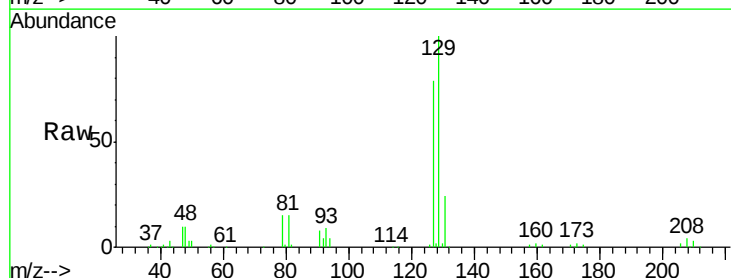
Manual Integrations
APPROVED

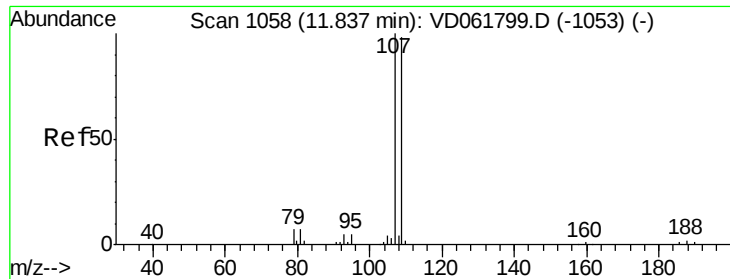
MMDadoda
4/16/2019 3:13:07 PM



#60
Dibromochloromethane
Concen: 53.606 ug/l
RT: 11.71 min Scan# 1045
Delta R.T. -0.01 min
Lab File: VD061802.D
Acq: 15 Apr 2019 18:42

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.6	38.0	113.9





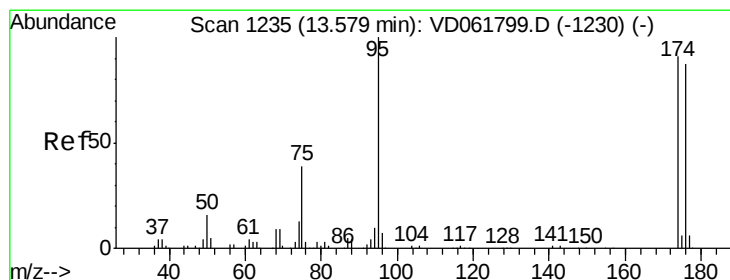
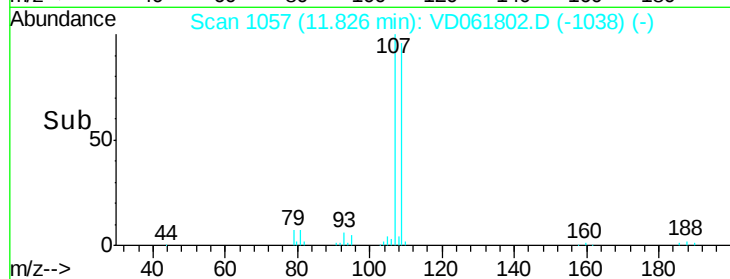
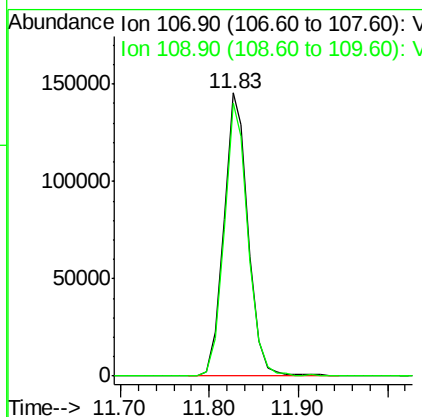
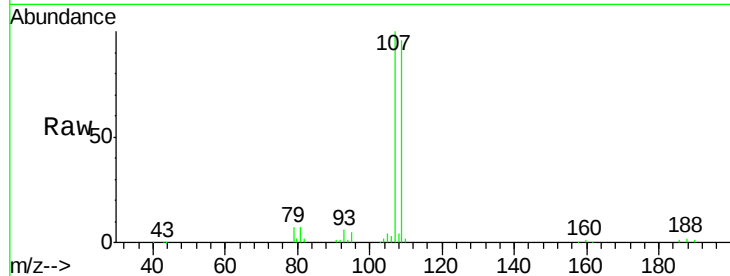
#61
 1,2-Dibromoethane
 Concen: 48.995 ug/l
 RT: 11.83 min Scan# 1057
 Delta R.T. -0.01 min
 Lab File: VD061802.D
 Acq: 15 Apr 2019 18:42

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD041519

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.4	78.3	117.5

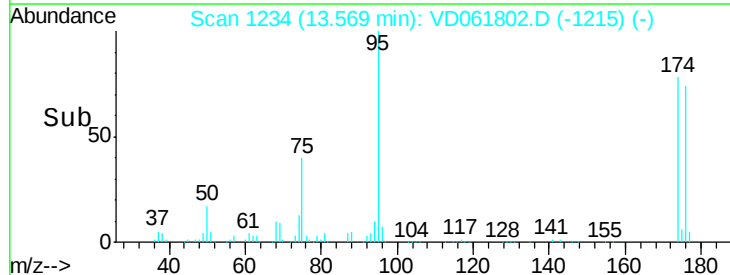
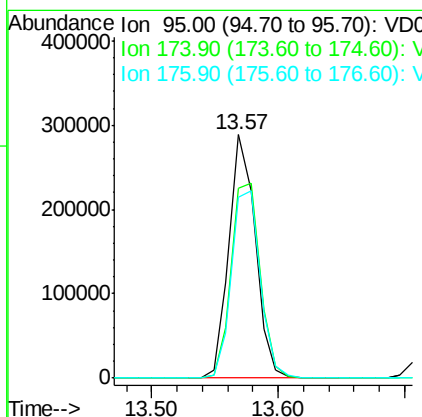
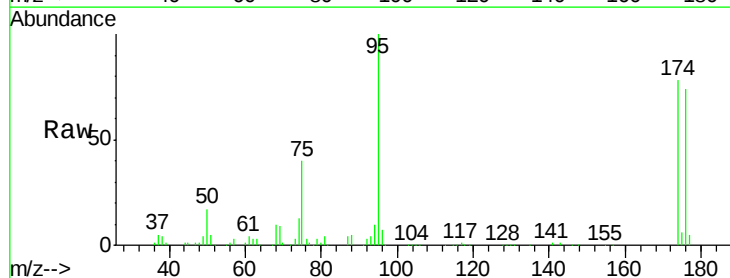
Manual Integrations
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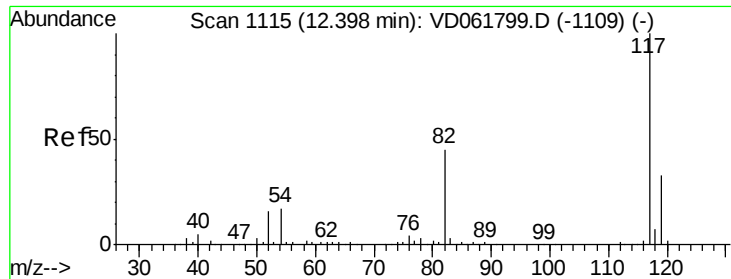
MMDadoda
 4/16/2019 3:13:07 PM



#62
 4-Bromofluorobenzene
 Concen: 48.995 ug/l
 RT: 13.57 min Scan# 1234
 Delta R.T. -0.01 min
 Lab File: VD061802.D
 Acq: 15 Apr 2019 18:42

Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.8	0.0	181.8
176	74.2	0.0	174.4





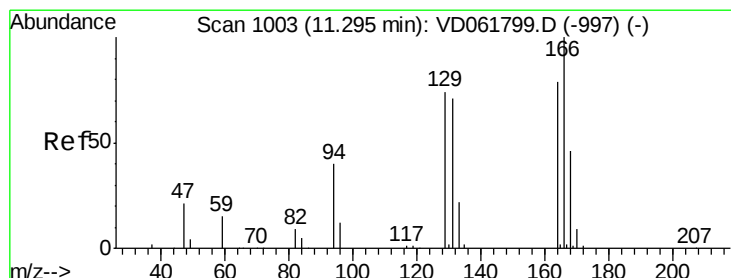
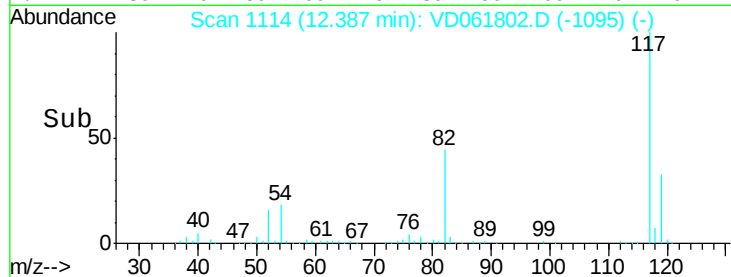
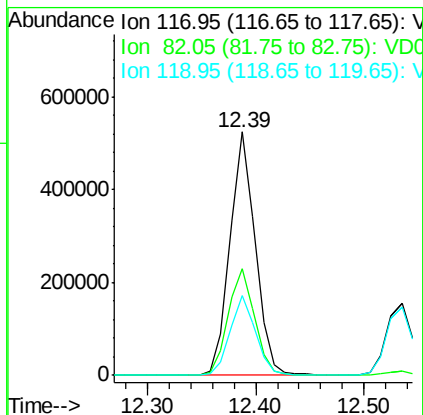
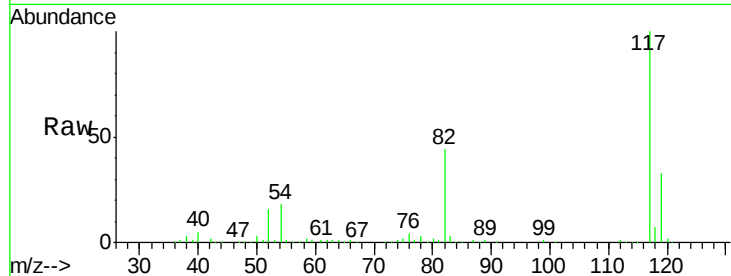
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. -0.01 min
Lab File: VD061802.D
Acq: 15 Apr 2019 18:42

Instrument :
MSVOA_D
ClientSampleId :
ICVVD041519

Tot Ion	Ratio	Lower	Upper
117	100		
82	44.0	36.2	54.2
119	32.7	26.2	39.4

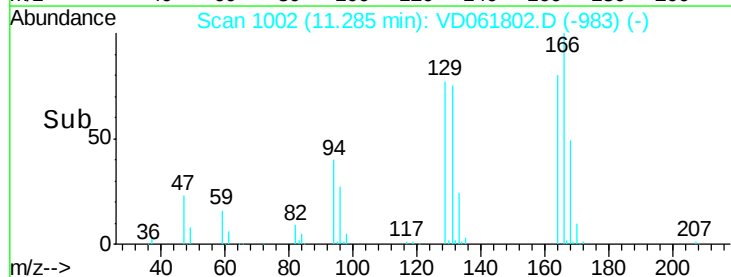
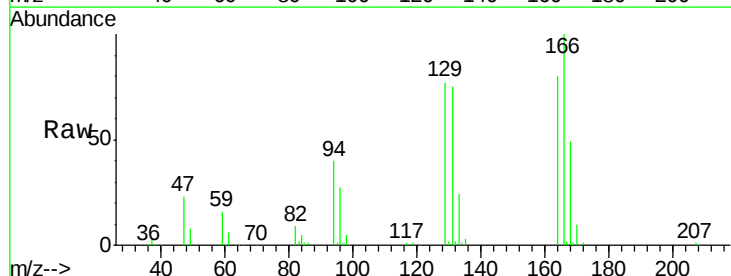
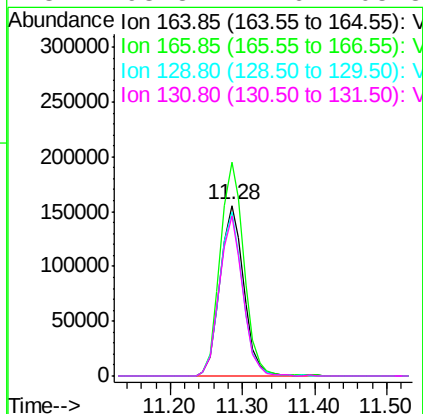
Manual Integrations
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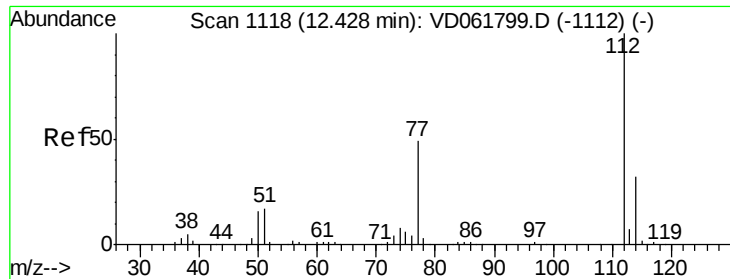
MMDadoda
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#64
Tetrachloroethene
Concen: 54.574 ug/l
RT: 11.28 min Scan# 1002
Delta R.T. -0.01 min
Lab File: VD061802.D
Acq: 15 Apr 2019 18:42

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.0	101.5	152.3
129	95.9	74.6	112.0
131	93.8	72.6	108.8





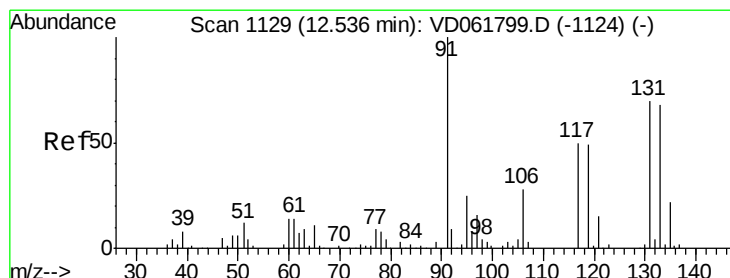
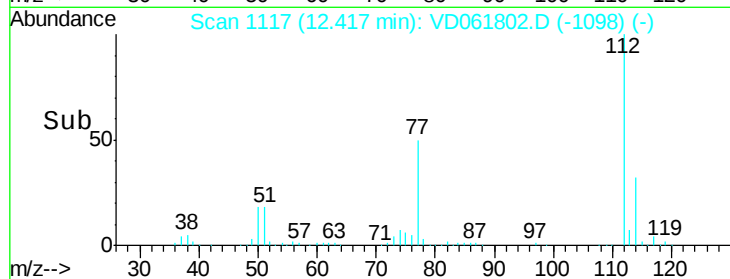
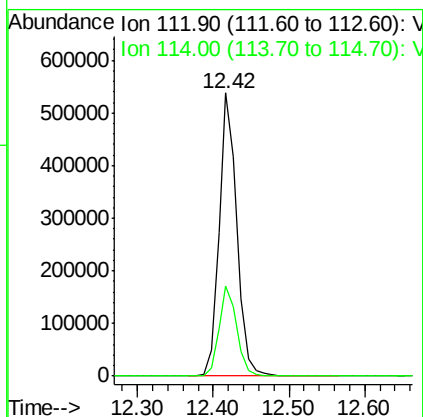
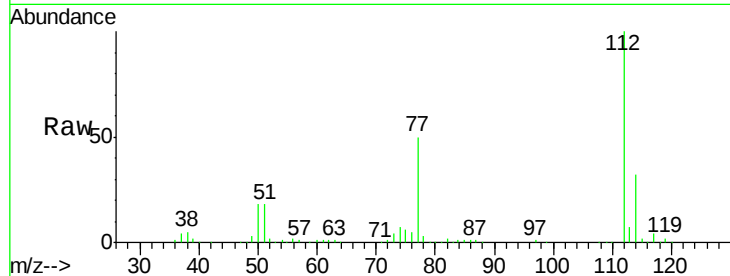
#65
Chlorobenzene
Concen: 54.625 ug/l
RT: 12.42 min Scan# 1117
Delta R.T. -0.01 min
Lab File: VD061802.D
Acq: 15 Apr 2019 18:42

Instrument :
MSVOA_D
ClientSampleId :
ICVVD041519

Tot Ion:112 Resp: 875209
Ion Ratio Lower Upper
112 100
114 31.9 25.8 38.8

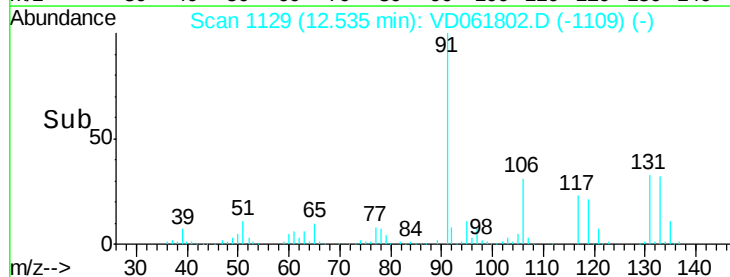
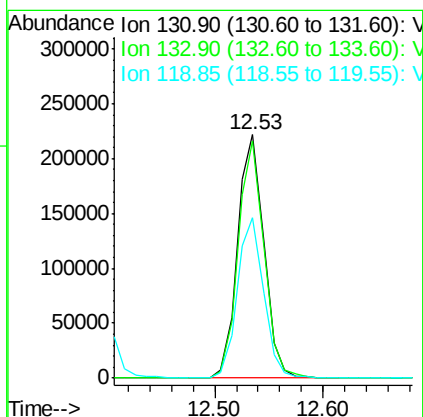
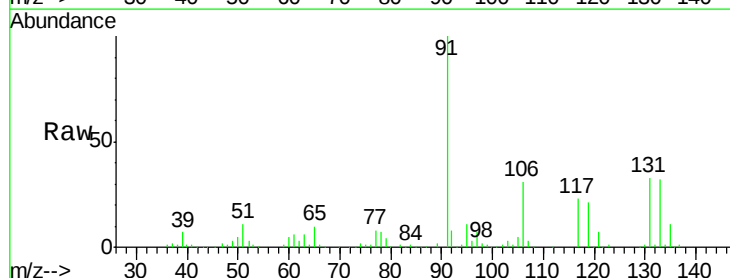
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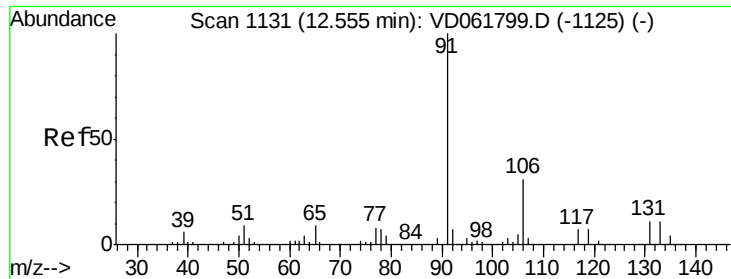
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#66
1,1,1,2-Tetrachloroethane
Concen: 55.716 ug/l
RT: 12.53 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VD061802.D
Acq: 15 Apr 2019 18:42

Tgt Ion:131 Resp: 374097
Ion Ratio Lower Upper
131 100
133 97.6 48.6 145.8
119 65.8 34.7 104.1





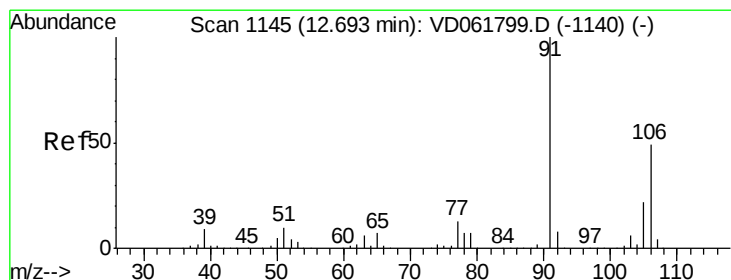
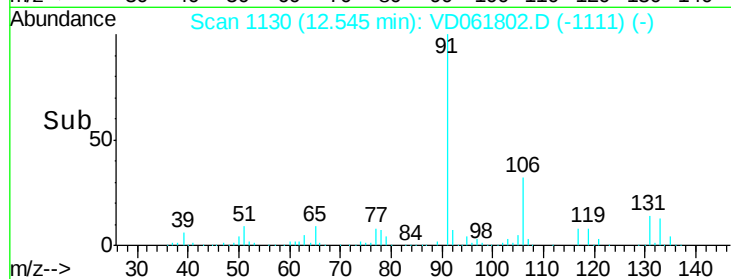
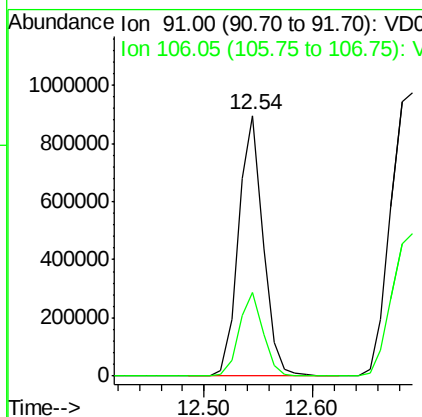
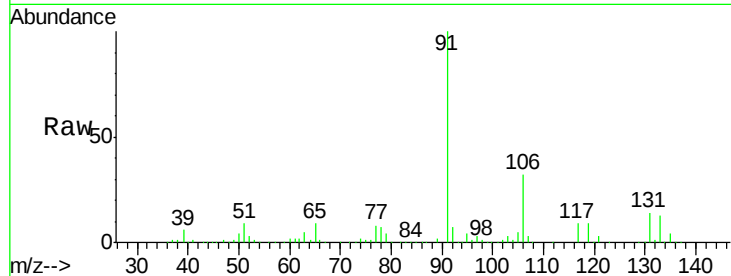
#67
Ethyl Benzene
Concen: 55.118 ug/l
RT: 12.54 min Scan# 1130
Delta R.T. -0.01 min
Lab File: VD061802.D
Acq: 15 Apr 2019 18:42

Instrument :
MSVOA_D
ClientSampled :
ICVVD041519

Tot Ion: 91 Resp: 1414244
Ion Ratio Lower Upper
91 100
106 31.9 24.7 37.1

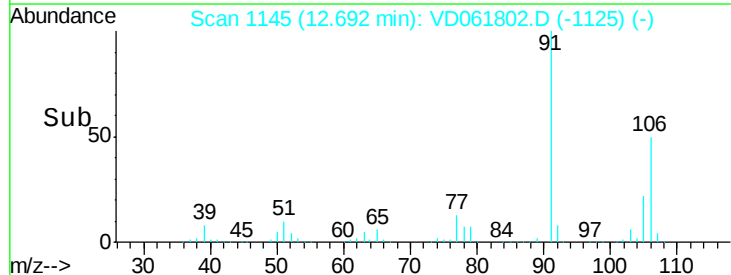
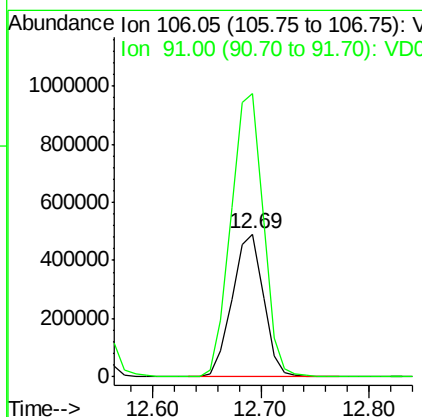
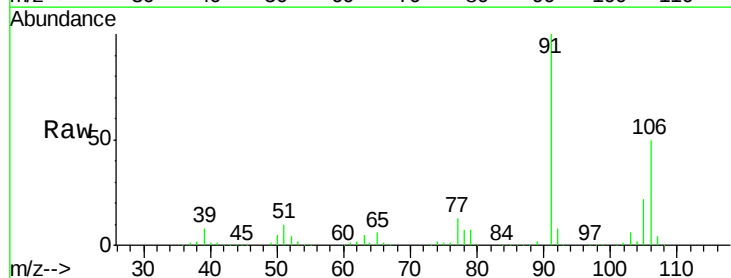
Manual Integrations
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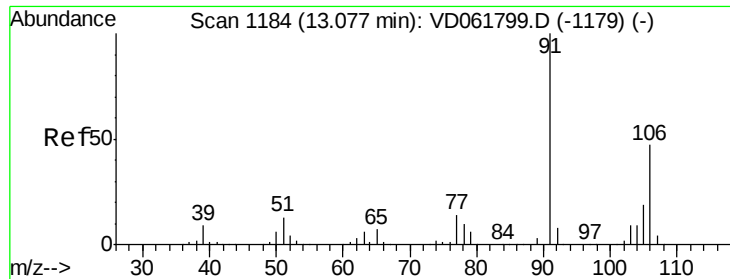
MMDadoda
4/16/2019 3:13:07 PM



#68
m/p-Xylenes
Concen: 103.045 ug/l
RT: 12.69 min Scan# 1145
Delta R.T. -0.00 min
Lab File: VD061802.D
Acq: 15 Apr 2019 18:42

Tgt Ion: 106 Resp: 993159
Ion Ratio Lower Upper
106 100
91 198.1 164.0 246.0





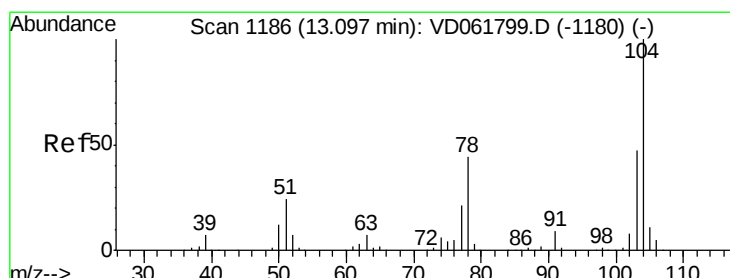
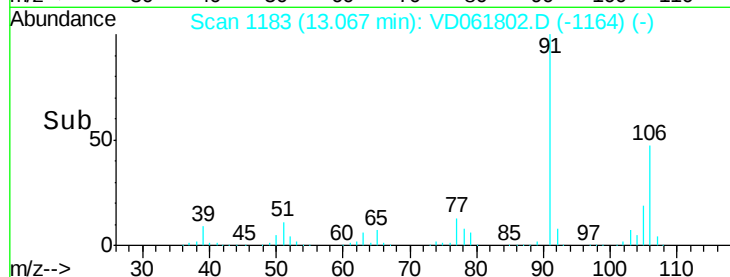
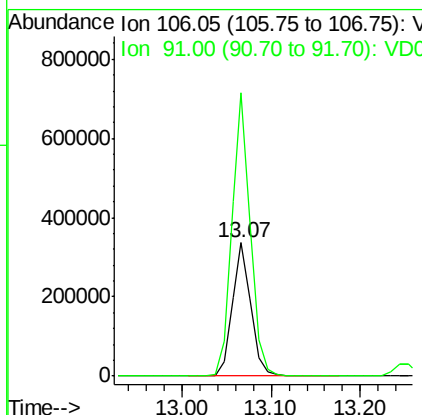
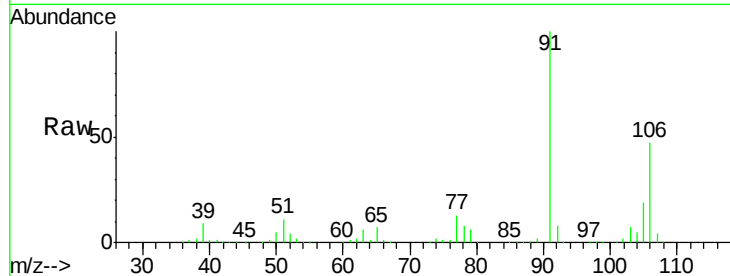
#69
o-Xylene
Concen: 54.431 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.01 min
Lab File: VD061802.D
Acq: 15 Apr 2019 18:42

Instrument :
MSVOA_D
ClientSampleId :
ICVVD041519

Tot Ion:106 Resp: 493100
Ion Ratio Lower Upper
106 100
91 212.3 106.7 319.9

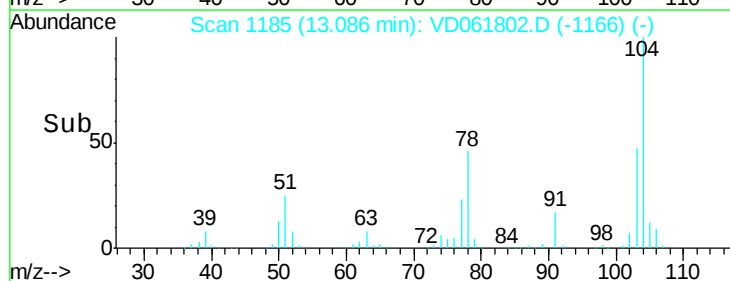
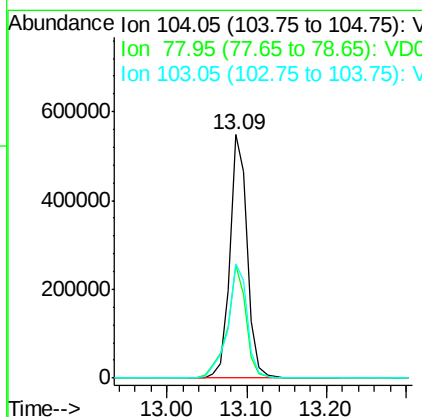
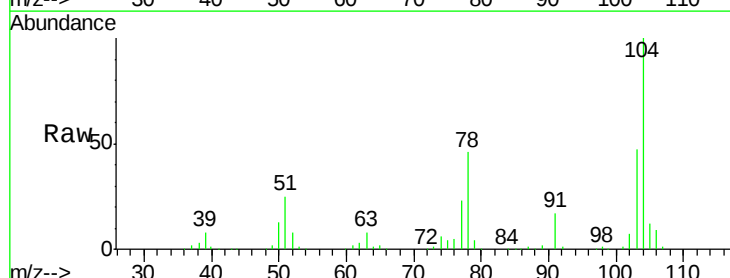
Manual Integrations
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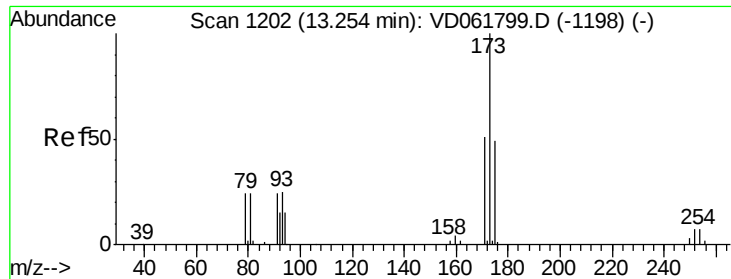
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#70
Styrene
Concen: 53.815 ug/l
RT: 13.09 min Scan# 1185
Delta R.T. -0.01 min
Lab File: VD061802.D
Acq: 15 Apr 2019 18:42

Tgt Ion:104 Resp: 838944
Ion Ratio Lower Upper
104 100
78 46.4 35.4 53.2
103 47.2 37.5 56.3





#71

Bromoform

Concen: 55.087 ug/l

RT: 13.25 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VD061802.D

Acq: 15 Apr 2019 18:42

Instrument :

MSVOA_D

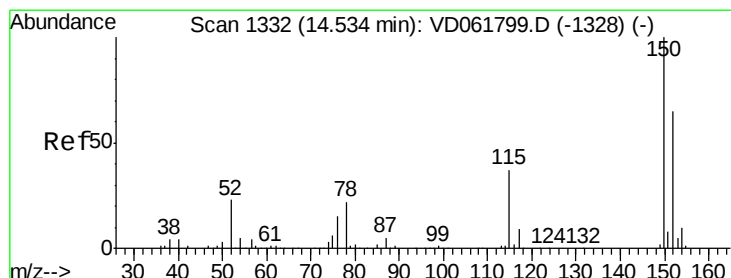
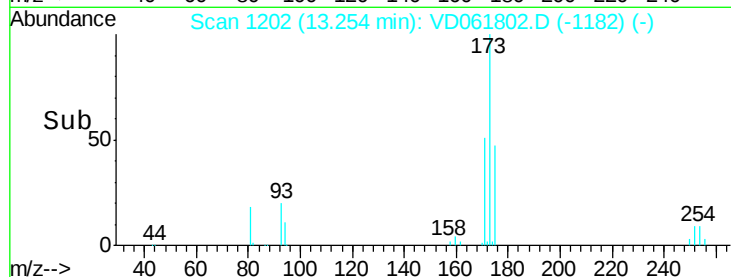
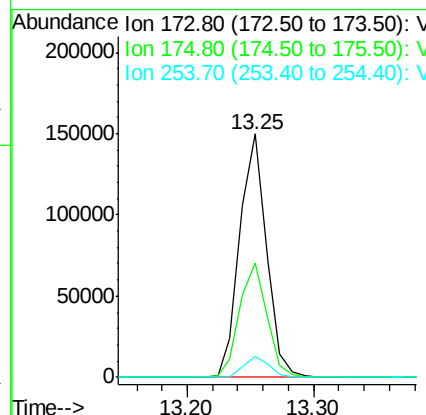
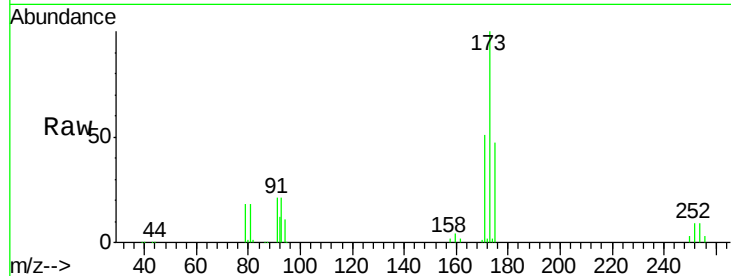
ClientSampleId :

ICVVD041519

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.0	24.4	73.4
254	8.5	5.4	8.2#

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

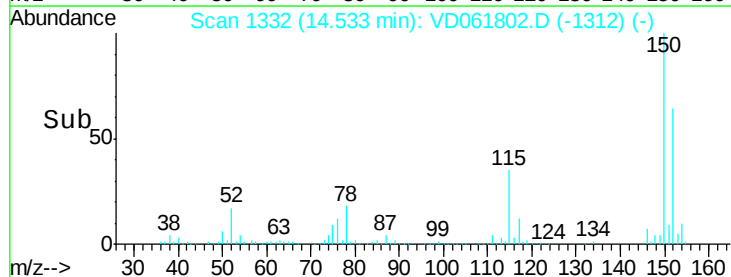
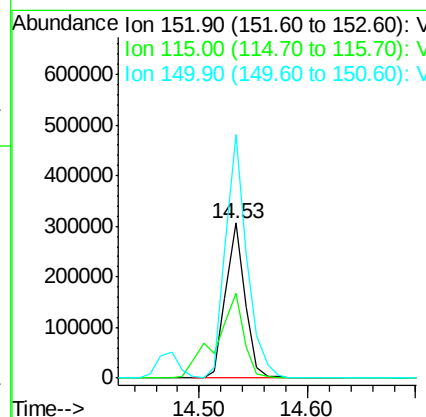
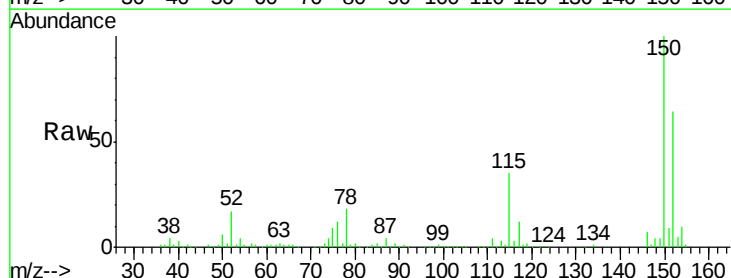
RT: 14.53 min Scan# 1332

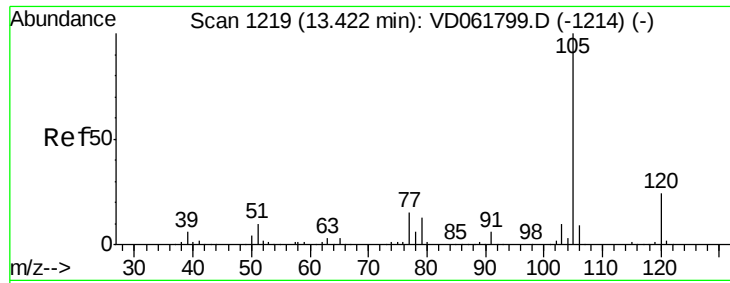
Delta R.T. -0.00 min

Lab File: VD061802.D

Acq: 15 Apr 2019 18:42

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.5	30.9	92.7
150	157.2	0.0	314.8





#73

Isopropylbenzene

Concen: 56.292 ug/l

RT: 13.42 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VD061802.D

Acq: 15 Apr 2019 18:42

Instrument :

MSVOA_D

ClientSampleId :

ICVVD041519

Tot Ion:105 Resp: 1393984

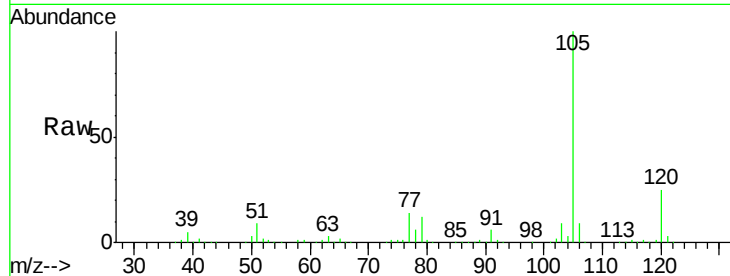
Ion Ratio Lower Upper

105 100

120 24.9 12.0 36.1

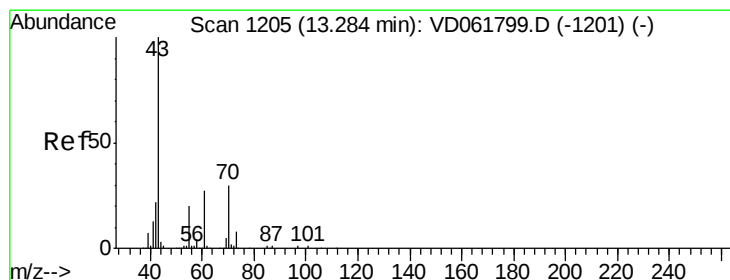
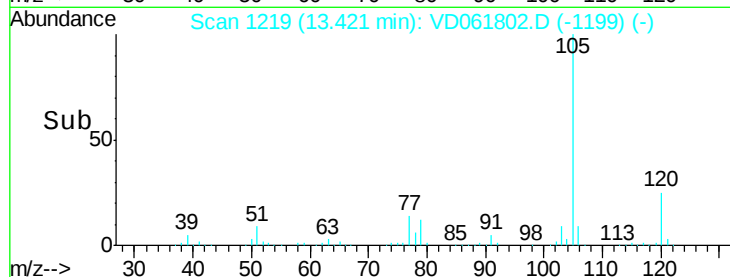
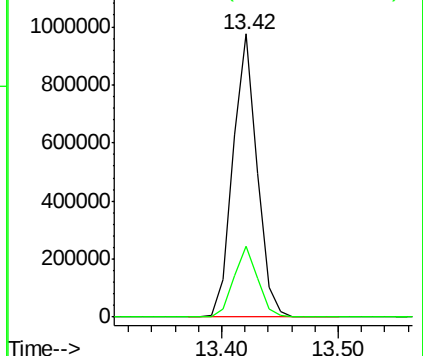
Manual Integrations
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 54.128 ug/l

RT: 13.28 min Scan# 1205

Delta R.T. -0.00 min

Lab File: VD061802.D

Acq: 15 Apr 2019 18:42

Tgt Ion: 43 Resp: 360439

Ion Ratio Lower Upper

43 100

70 33.1 24.2 36.4

55 20.0 16.0 24.0

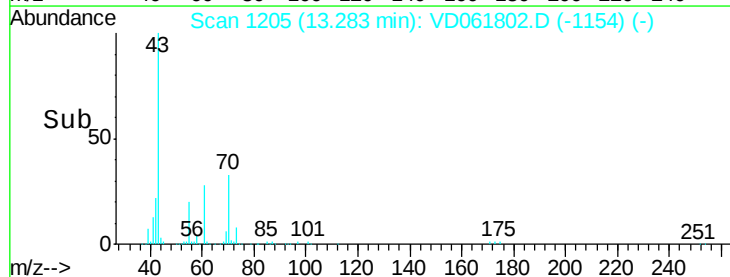
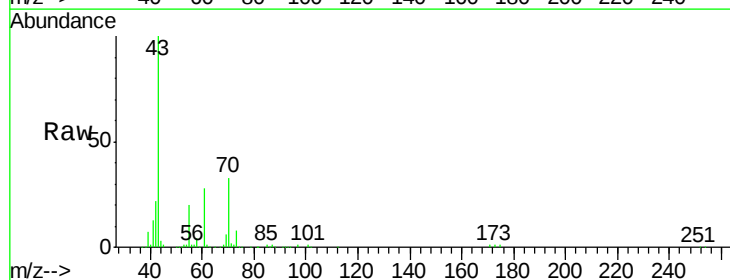
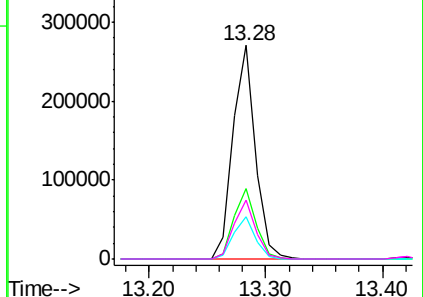
61 27.9 21.6 32.4

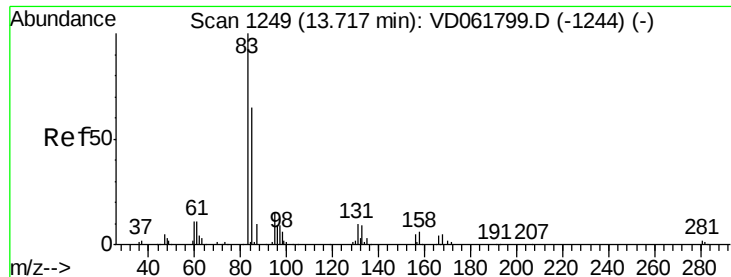
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 55.477 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. -0.00 min

Lab File: VD061802.D

Acq: 15 Apr 2019 18:42

Instrument :

MSVOA_D

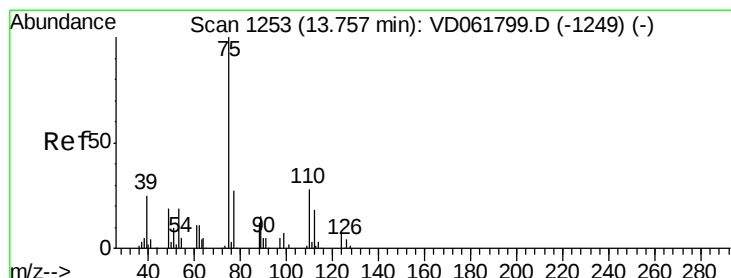
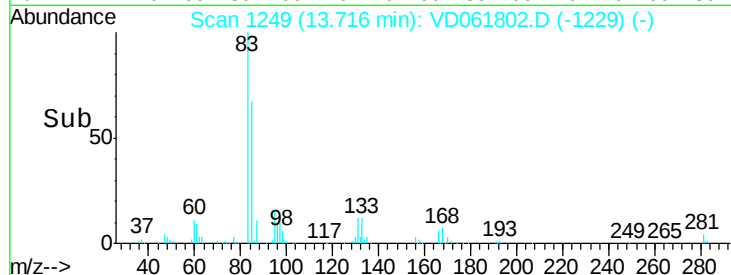
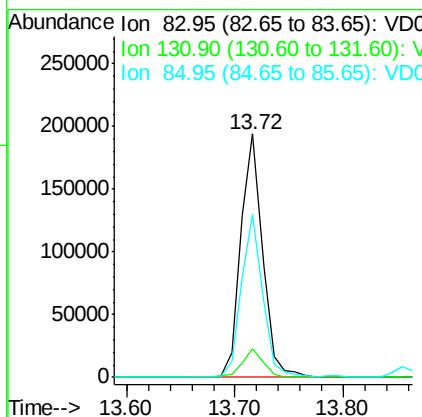
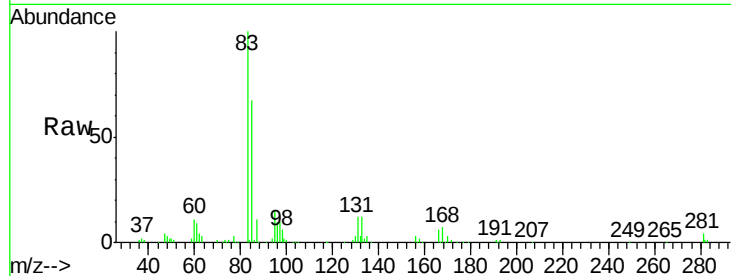
ClientSampleId :

ICVVD041519

Tot Ion:	83	Resp:	271555
Ion Ratio	Lower	Upper	
83	100		
131	11.9	5.0	14.9
85	66.9	32.6	97.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 56.119 ug/l

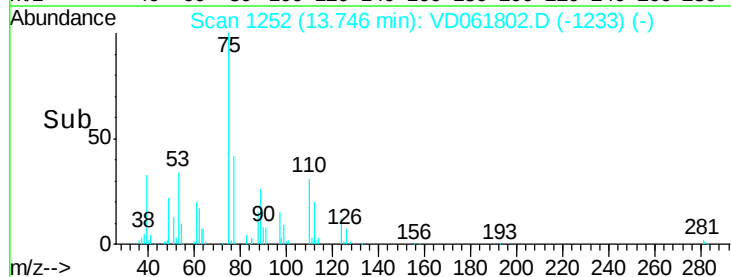
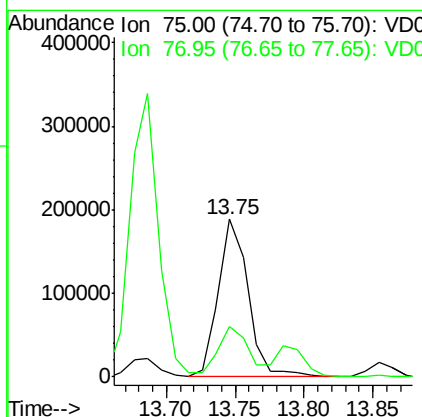
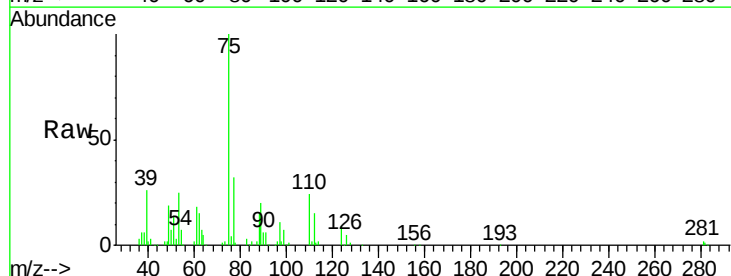
RT: 13.75 min Scan# 1252

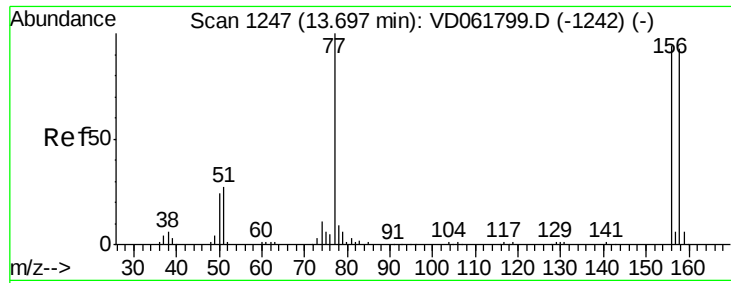
Delta R.T. -0.01 min

Lab File: VD061802.D

Acq: 15 Apr 2019 18:42

Tgt Ion:	75	Resp:	281412
Ion Ratio	Lower	Upper	
75	100		
77	32.1	16.4	49.4





#77

Bromobenzene

Concen: 57.101 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VD061802.D

Acq: 15 Apr 2019 18:42

Instrument :

MSVOA_D

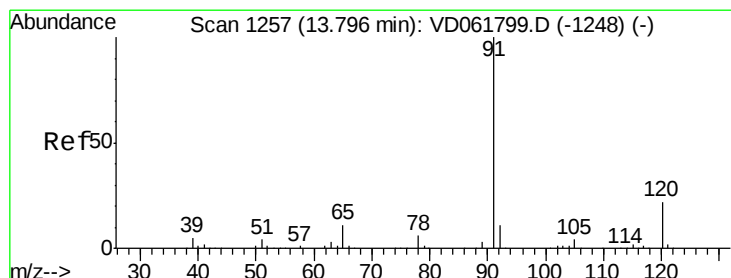
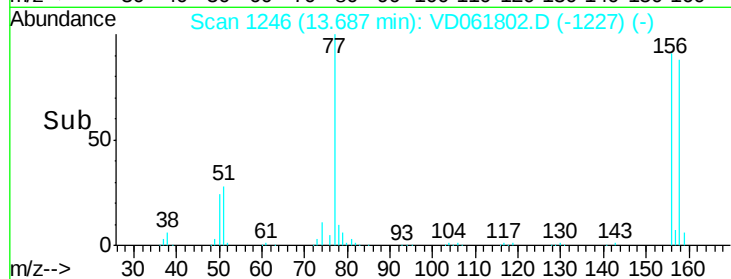
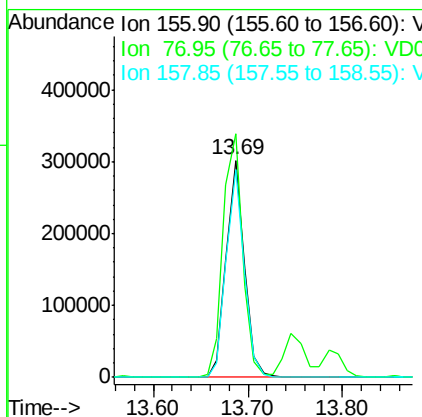
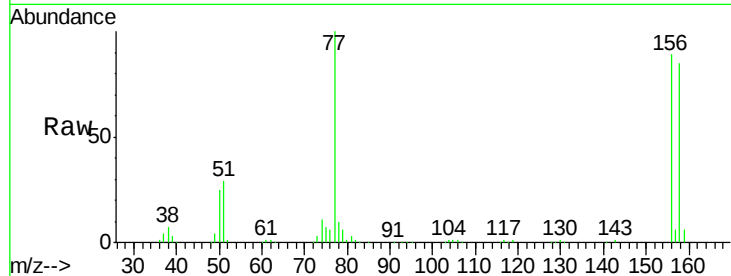
ClientSampleId :

ICVVD041519

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	112.2	53.1	159.4	
158	95.7	49.4	148.0	

Manual Integrations
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#78

n-propylbenzene

Concen: 52.581 ug/l

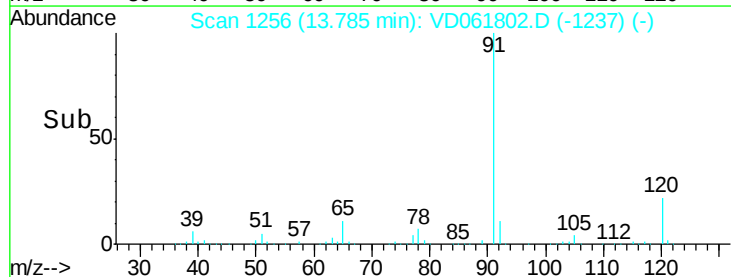
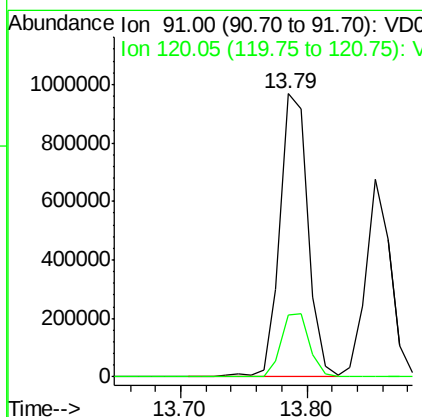
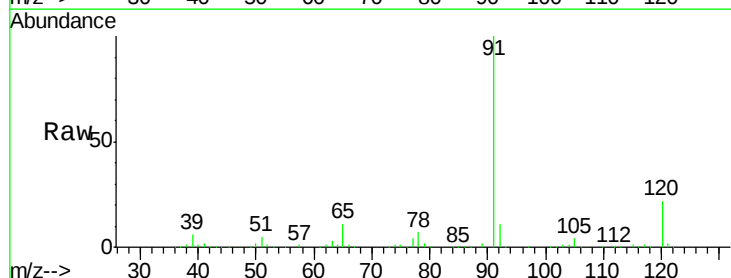
RT: 13.79 min Scan# 1256

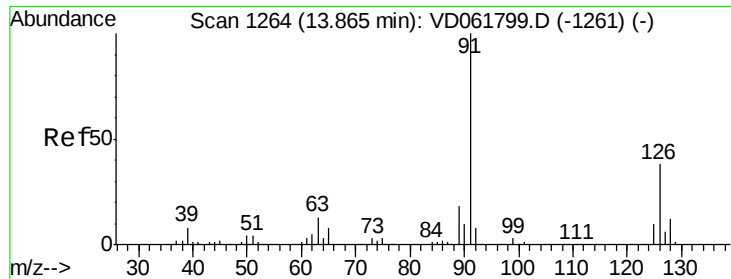
Delta R.T. -0.01 min

Lab File: VD061802.D

Acq: 15 Apr 2019 18:42

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	21.9	11.1	33.1	





#79

2-Chlorotoluene

Concen: 54.517 ug/l

RT: 13.85 min Scan# 1263

Delta R.T. -0.01 min

Lab File: VD061802.D

Acq: 15 Apr 2019 18:42

Instrument :

MSVOA_D

ClientSampleId :

ICVVD041519

Tot Ion: 91 Resp: 911168

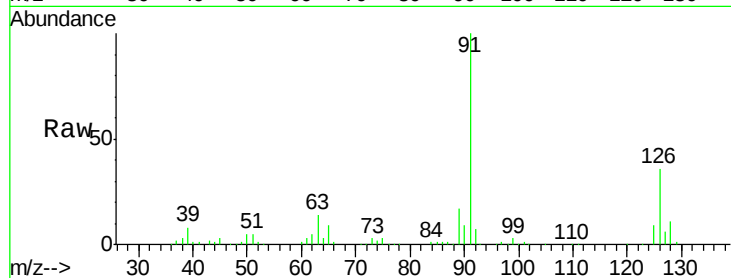
Ion Ratio Lower Upper

91 100

126 35.9 18.6 55.8

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VD061799.D (-1261) (-)

Ion 125.95 (125.65 to 126.65): VD061799.D (-1261) (-)

1000000

800000

600000

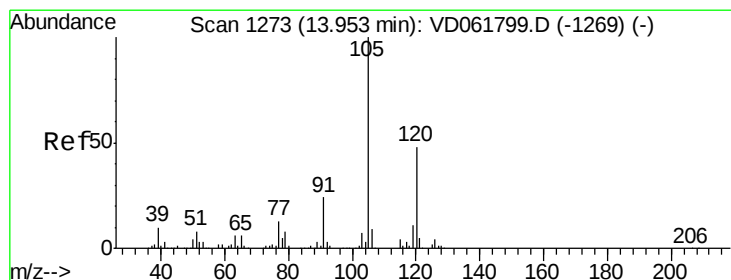
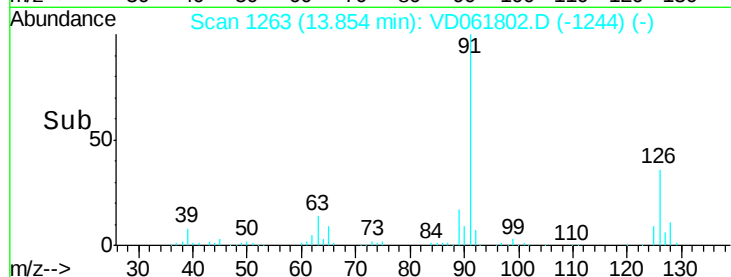
400000

200000

0

13.80 13.85 13.90

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 51.565 ug/l

RT: 13.95 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VD061802.D

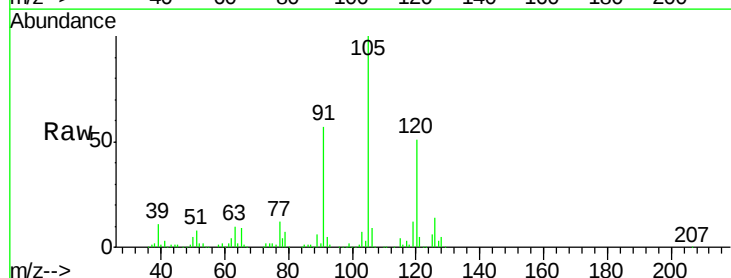
Acq: 15 Apr 2019 18:42

Tgt Ion: 105 Resp: 1013197

Ion Ratio Lower Upper

105 100

120 51.1 24.0 72.0



Abundance Ion 105.05 (104.75 to 105.75): VD061799.D (-1269) (-)

Ion 120.05 (119.75 to 120.75): VD061799.D (-1269) (-)

800000

600000

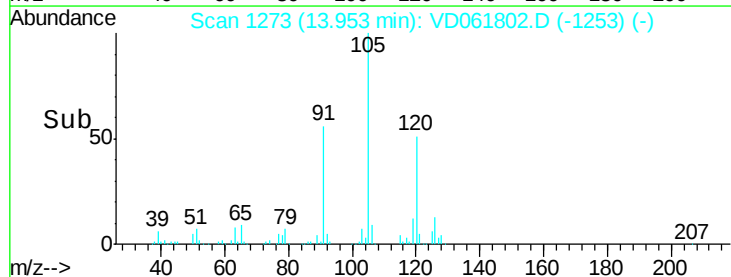
400000

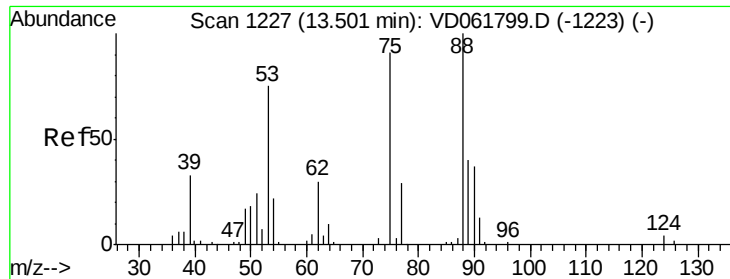
200000

0

13.90 13.95 14.00

Time-->





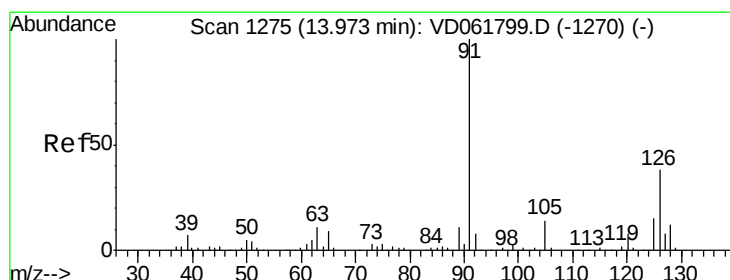
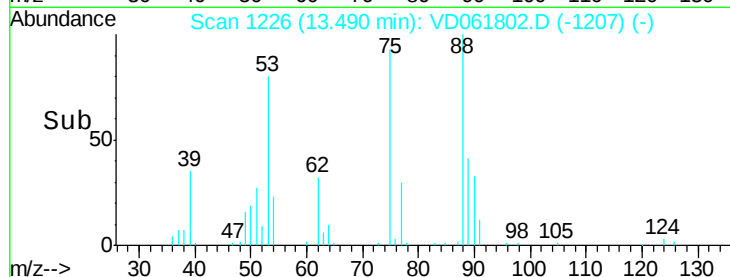
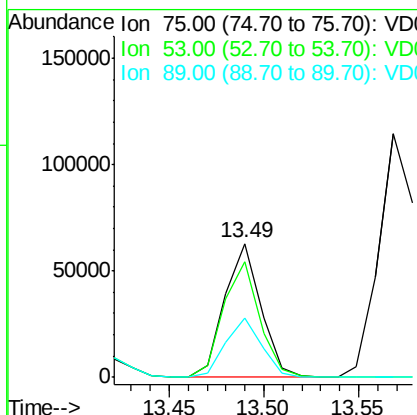
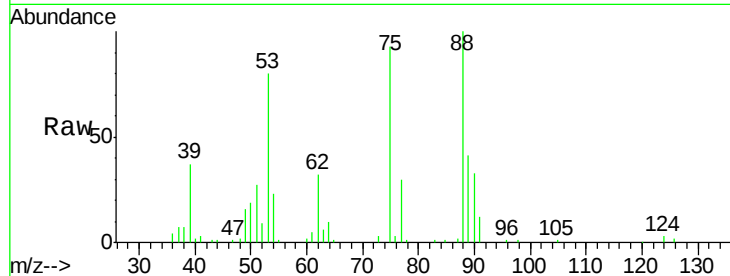
#81
trans-1,4-Dichloro-2-butene
Concen: 51.486 ug/l
RT: 13.49 min Scan# 1226
Delta R.T. -0.01 min
Lab File: VD061802.D
Acq: 15 Apr 2019 18:42

Instrument :
MSVOA_D
ClientSampleId :
ICVVD041519

Tot Ion	Ratio	Lower	Upper
75	100		
53	86.2	65.8	98.8
89	44.7	35.0	52.6

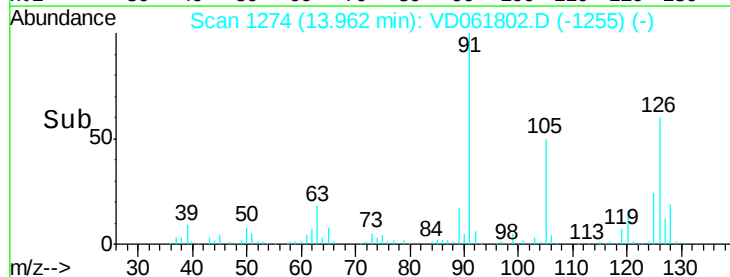
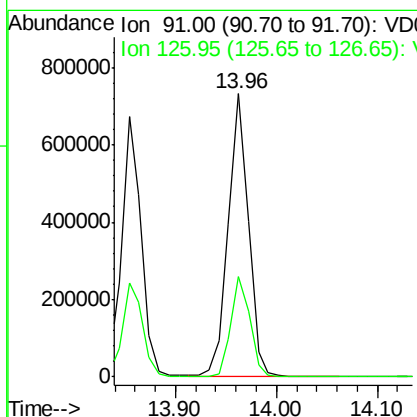
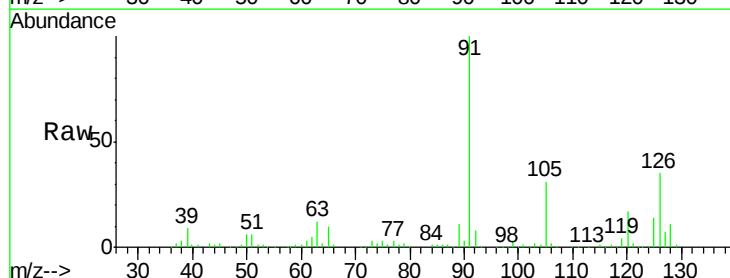
Manual Integrations
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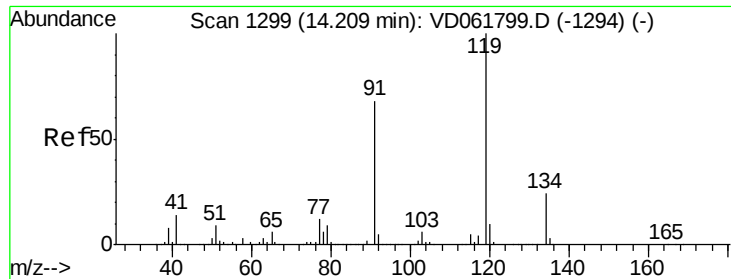
MMDadoda
4/16/2019 3:13:07 PM



#82
4-Chlorotoluene
Concen: 53.150 ug/l
RT: 13.96 min Scan# 1274
Delta R.T. -0.01 min
Lab File: VD061802.D
Acq: 15 Apr 2019 18:42

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.4	19.1	57.5





#83

tert-Butylbenzene

Concen: 57.669 ug/l

RT: 14.21 min Scan# 1299

Delta R.T. -0.00 min

Lab File: VD061802.D

Acq: 15 Apr 2019 18:42

Instrument :

MSVOA_D

ClientSampleId :

ICVVD041519

Tot Ion:119 Resp: 1330507

Ion Ratio Lower Upper

119 100

91 61.4 34.2 102.6

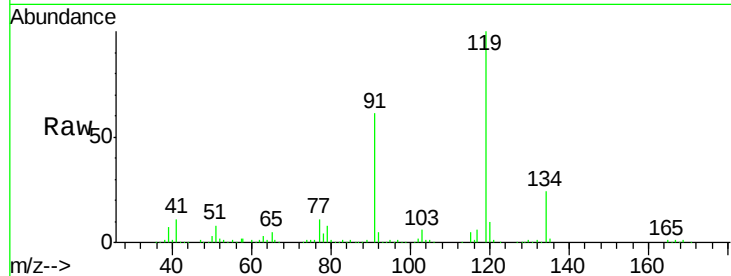
134 23.7 12.0 36.0

Manual Integrations

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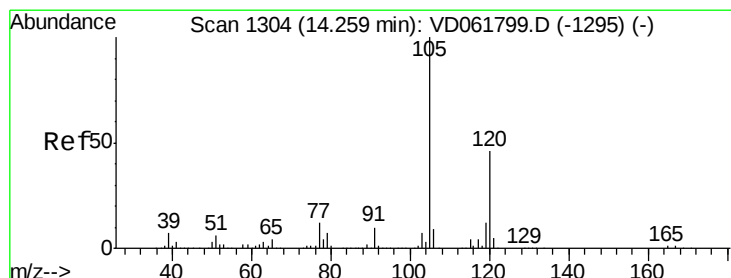
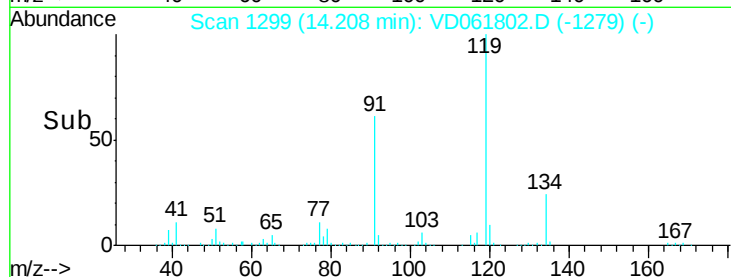
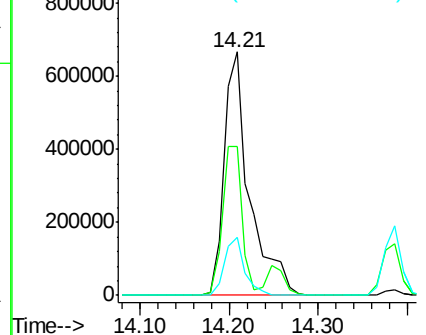
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Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 56.640 ug/l

RT: 14.25 min Scan# 1303

Delta R.T. -0.01 min

Lab File: VD061802.D

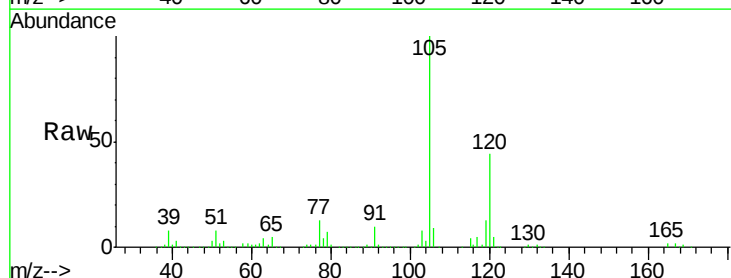
Acq: 15 Apr 2019 18:42

Tgt Ion:105 Resp: 1118695

Ion Ratio Lower Upper

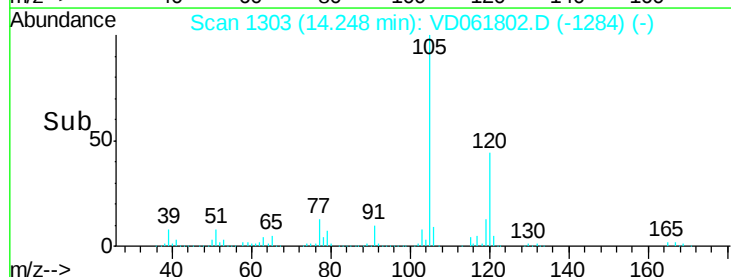
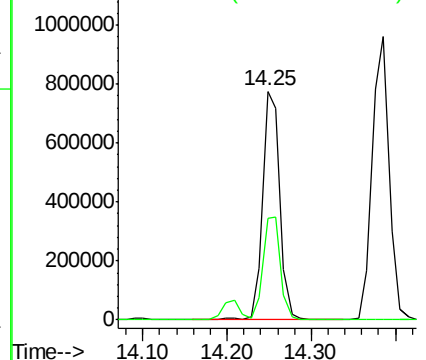
105 100

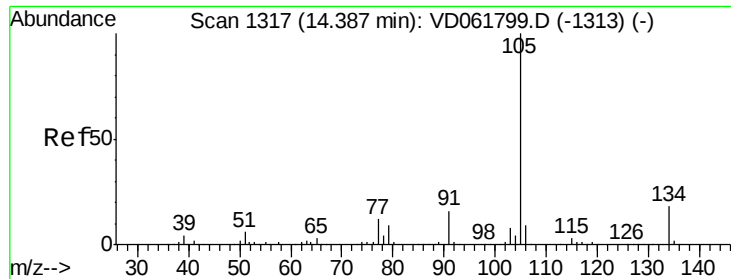
120 44.4 23.1 69.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





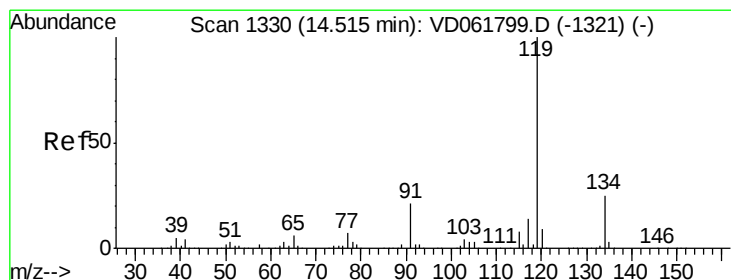
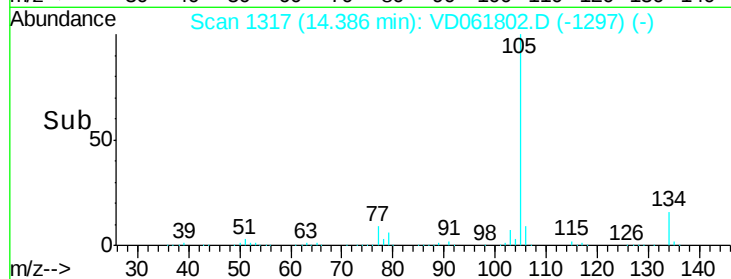
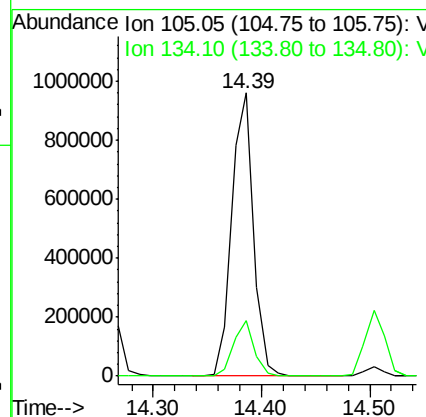
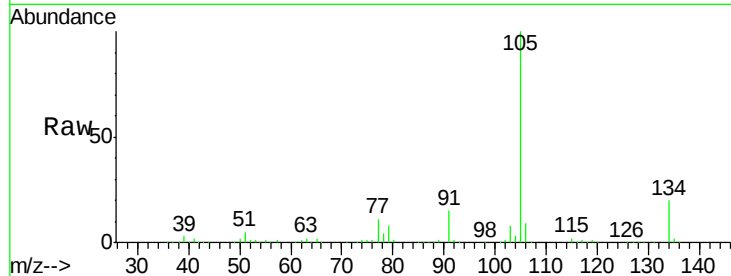
#85
 sec-Butylbenzene
 Concen: 56.066 ug/l
 RT: 14.39 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VD061802.D
 Acq: 15 Apr 2019 18:42

Instrument :
 MSVOA_D
 ClientSampleID :
 ICVVD041519

Tot Ion:105 Resp: 1337186
 Ion Ratio Lower Upper
 105 100
 134 19.7 8.9 26.7

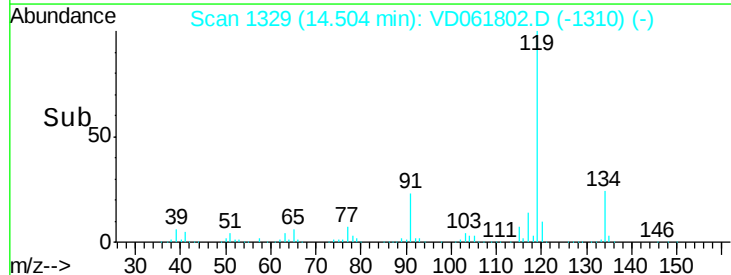
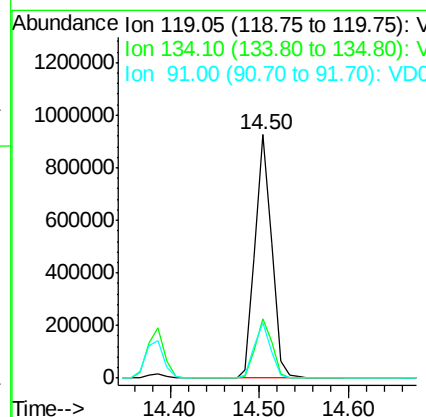
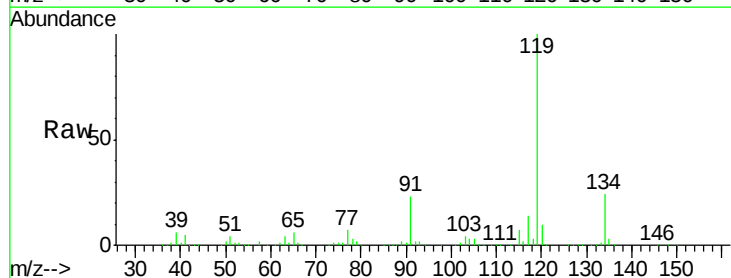
Manual Integrations
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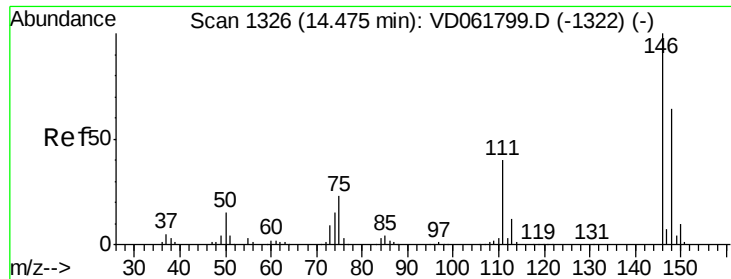
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#86
 p-Isopropyltoluene
 Concen: 53.242 ug/l
 RT: 14.50 min Scan# 1329
 Delta R.T. -0.01 min
 Lab File: VD061802.D
 Acq: 15 Apr 2019 18:42

Tgt Ion:119 Resp: 1188116
 Ion Ratio Lower Upper
 119 100
 134 24.3 12.8 38.3
 91 23.0 10.7 32.1





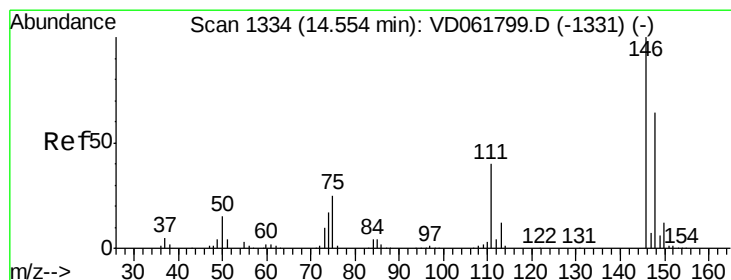
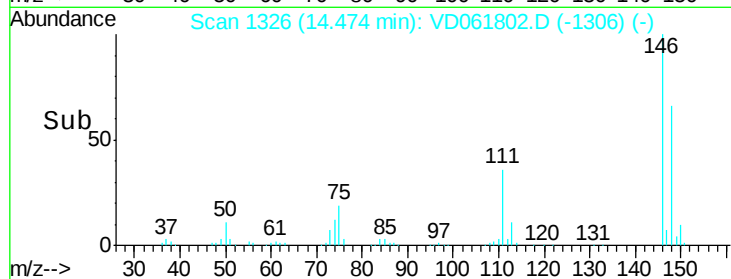
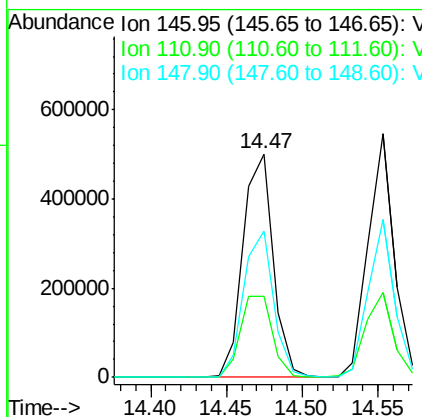
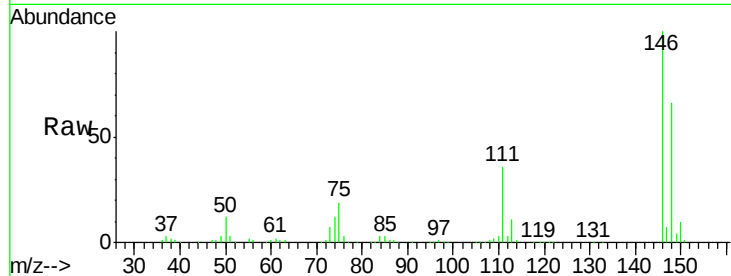
#87
 1,3-Dichlorobenzene
 Concen: 56.891 ug/l
 RT: 14.47 min Scan# 1326
 Delta R.T. -0.00 min
 Lab File: VD061802.D
 Acq: 15 Apr 2019 18:42

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD041519

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.4	20.0	60.0
148	65.6	31.8	95.4

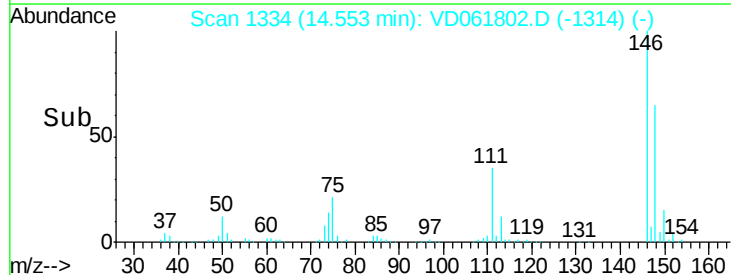
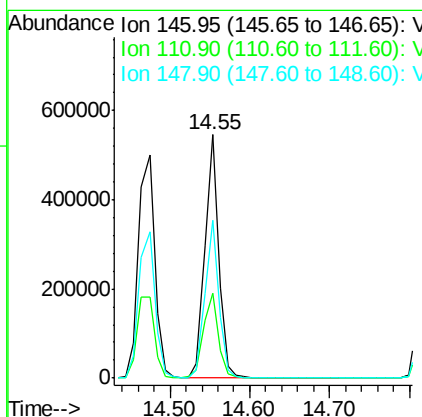
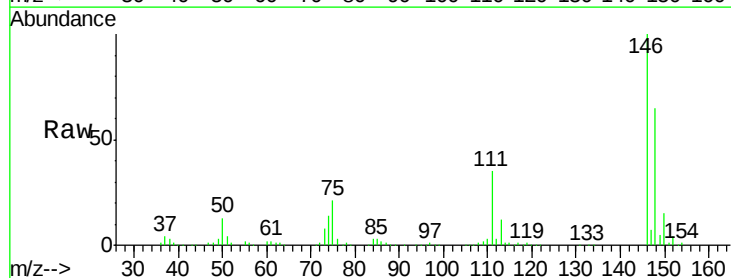
Manual Integrations
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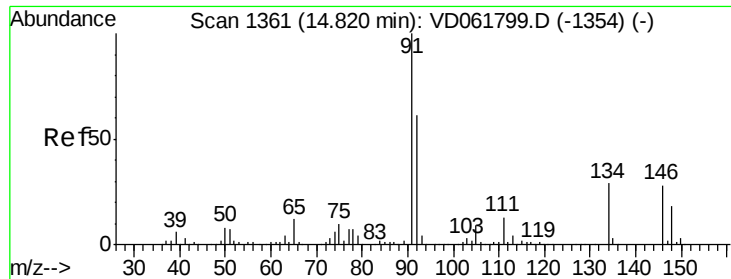
MMDadoda
 4/16/2019 3:13:07 PM



#88
 1,4-Dichlorobenzene
 Concen: 54.621 ug/l
 RT: 14.55 min Scan# 1334
 Delta R.T. -0.00 min
 Lab File: VD061802.D
 Acq: 15 Apr 2019 18:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.0	20.2	60.5
148	64.9	32.0	96.2





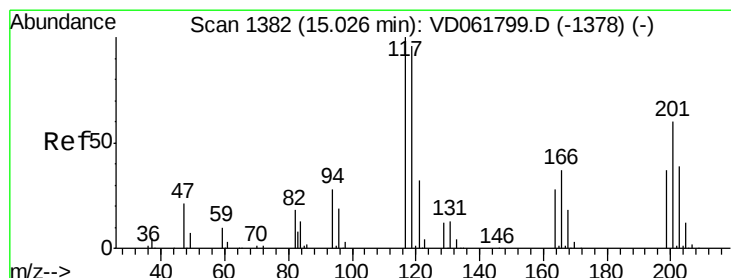
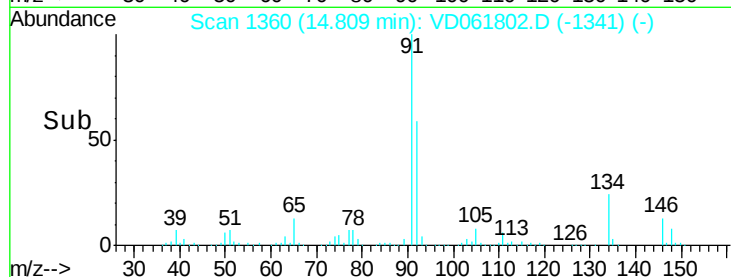
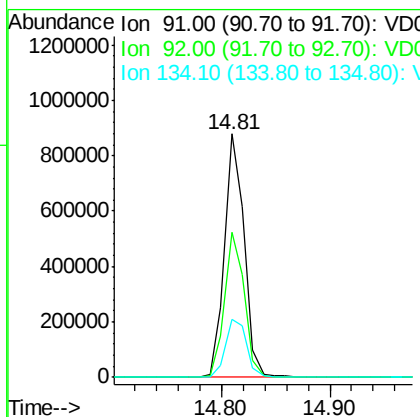
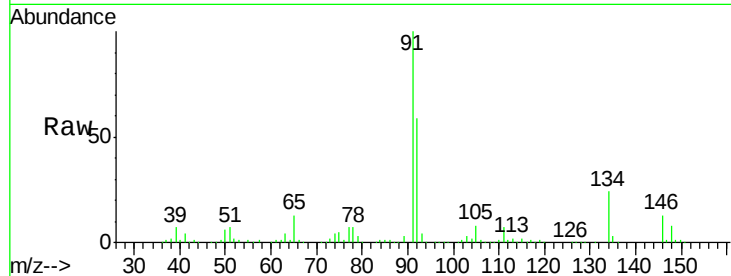
#89
n-Butylbenzene
Concen: 56.180 ug/l
RT: 14.81 min Scan# 1360
Delta R.T. -0.01 min
Lab File: VD061802.D
Acq: 15 Apr 2019 18:42

Instrument :
MSVOA_D
ClientSampleId :
ICVVD041519

Tot Ion: 91 Resp: 1109732
Ion Ratio Lower Upper
91 100
92 59.4 30.3 91.0
134 24.1 14.5 43.6

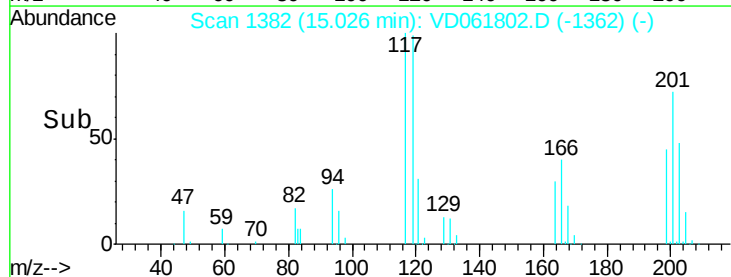
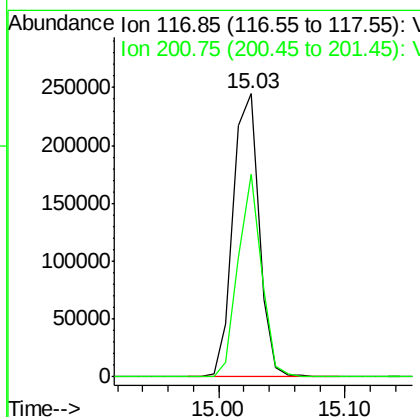
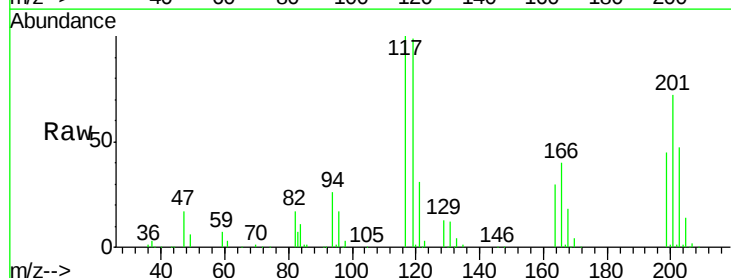
Manual Integrations
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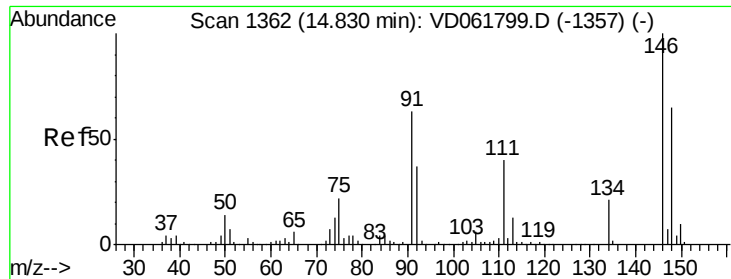
MMDadoda
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#90
Hexachloroethane
Concen: 57.168 ug/l
RT: 15.03 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VD061802.D
Acq: 15 Apr 2019 18:42

Tgt Ion: 117 Resp: 347711
Ion Ratio Lower Upper
117 100
201 71.6 30.2 90.6





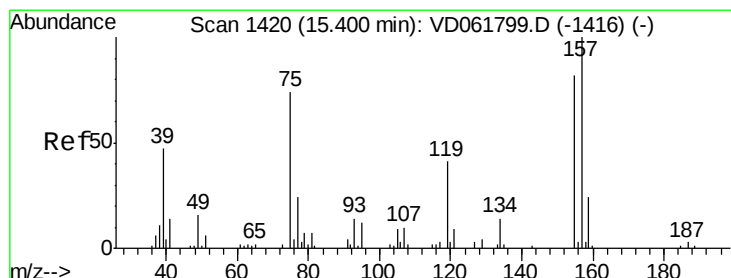
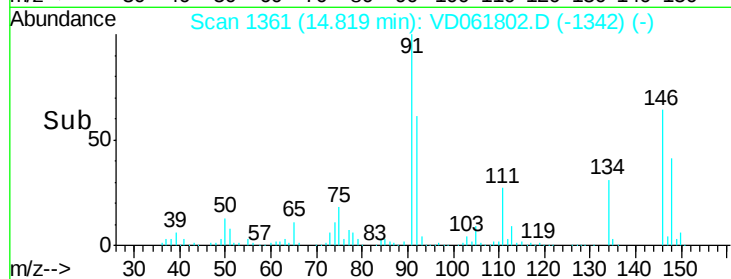
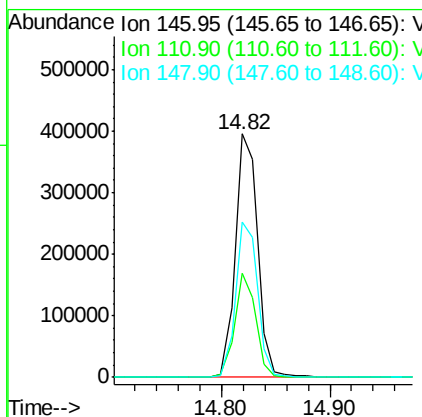
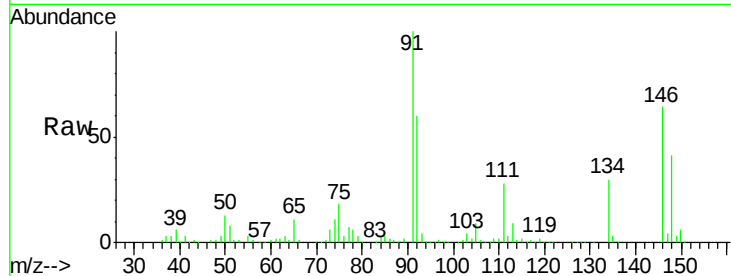
#91
 1,2-Dichlorobenzene
 Concen: 54.830 ug/l
 RT: 14.82 min Scan# 1361
 Delta R.T. -0.01 min
 Lab File: VD061802.D
 Acq: 15 Apr 2019 18:42

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD041519

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.9	20.0	59.9
148	63.9	32.3	96.8

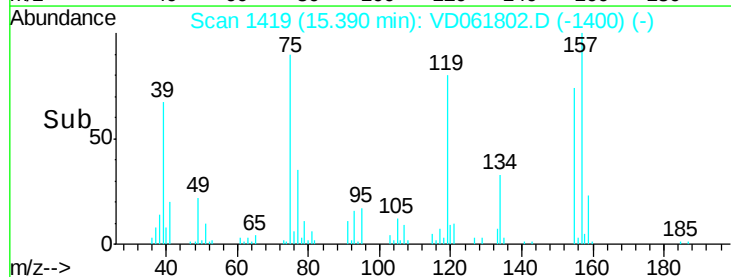
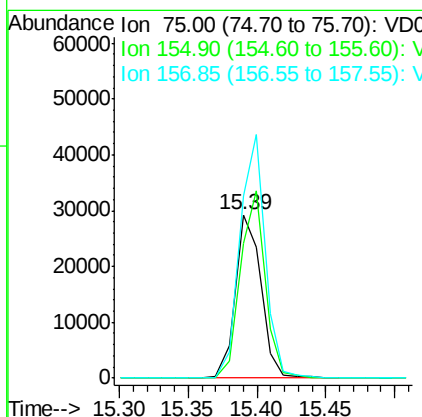
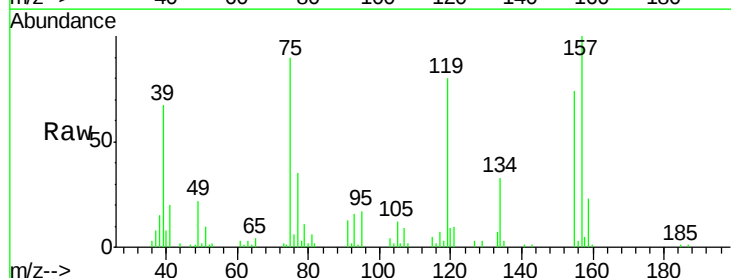
Manual Integrations
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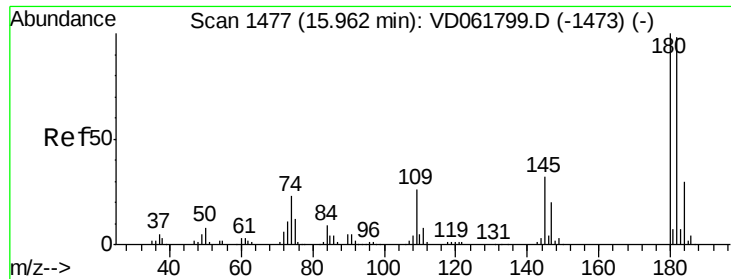
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.064 ug/l
 RT: 15.39 min Scan# 1419
 Delta R.T. -0.01 min
 Lab File: VD061802.D
 Acq: 15 Apr 2019 18:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.7	55.3	165.8
157	111.5	67.8	203.2





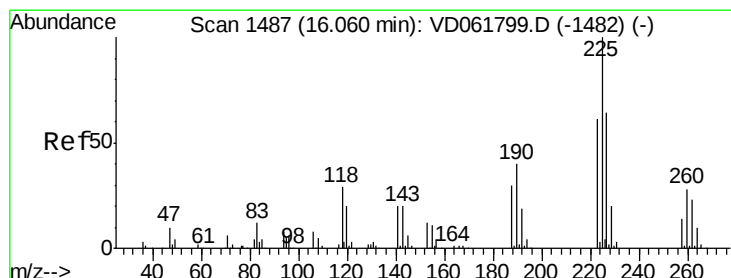
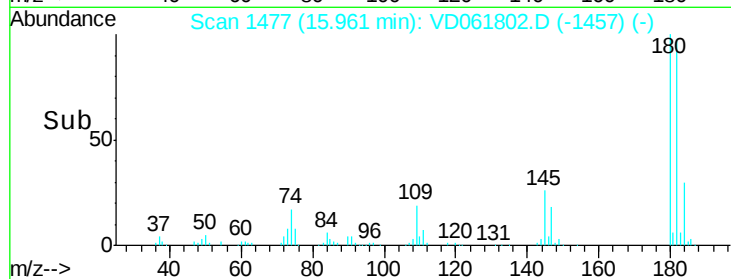
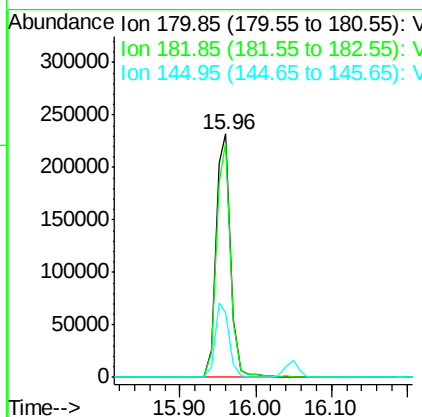
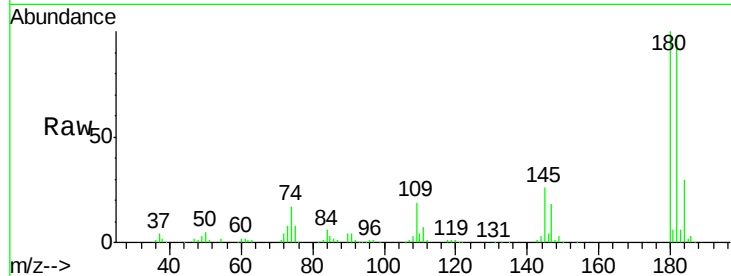
#93
 1,2,4-Trichlorobenzene
 Concen: 56.151 ug/l
 RT: 15.96 min Scan# 1477
 Delta R.T. -0.00 min
 Lab File: VD061802.D
 Acq: 15 Apr 2019 18:42

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD041519

Tot Ion	Ratio	Resp	Lower	Upper
180	100	317235		
182	96.5	49.3	147.8	
145	26.2	16.2	48.6	

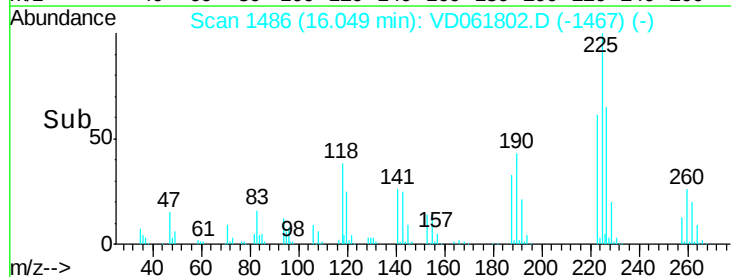
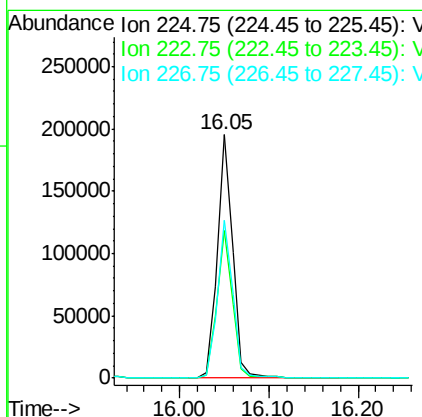
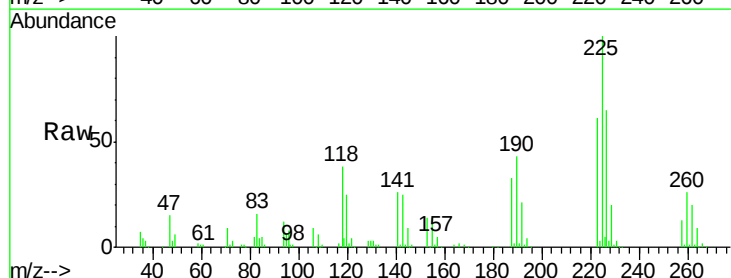
Manual Integrations
 APPROVED

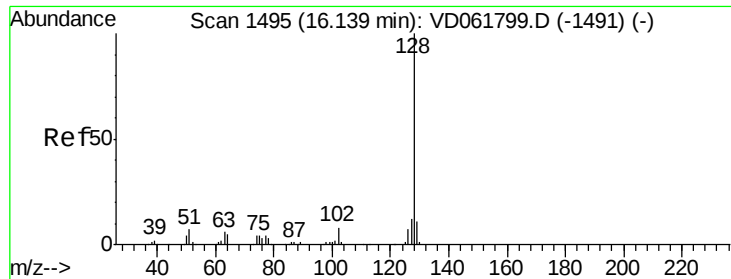
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 57.355 ug/l
 RT: 16.05 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VD061802.D
 Acq: 15 Apr 2019 18:42

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	234825		
223	60.8	30.6	92.0	
227	64.7	32.0	96.2	





#95

Naphthalene

Concen: 53.393 ug/l

RT: 16.14 min Scan# 1495

Delta R.T. -0.00 min

Lab File: VD061802.D

Acq: 15 Apr 2019 18:42

Instrument :

MSVOA_D

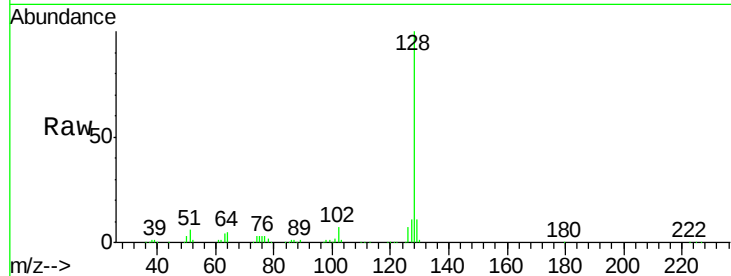
ClientSampleId :

ICVVD041519

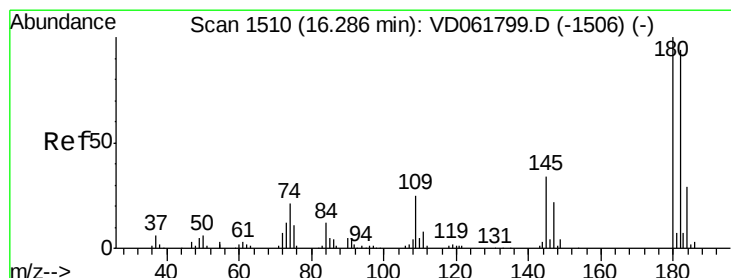
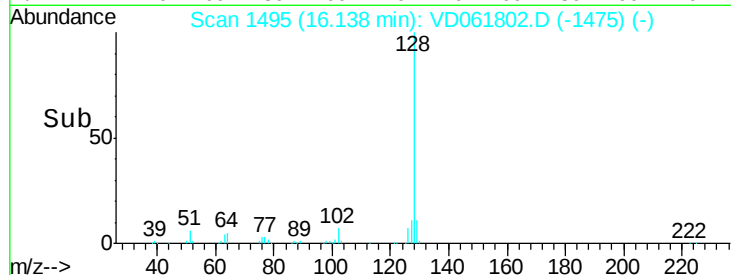
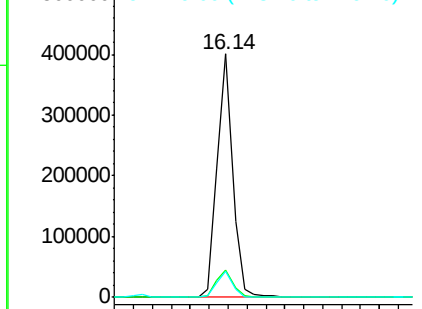
Tot Ion:	128	Resp:	462351
Ion Ratio	Lower	Upper	
128	100		
127	11.2	9.8	14.8
129	10.9	8.8	13.2

Manual Integrations
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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: 52.216 ug/l

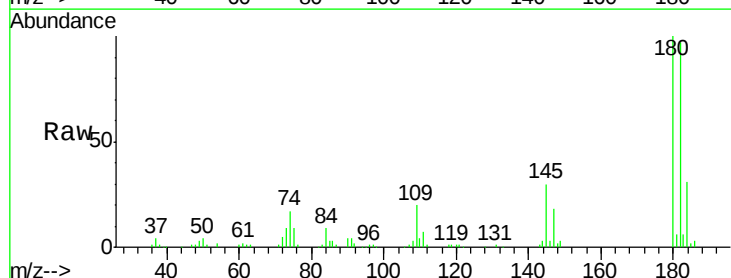
RT: 16.29 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VD061802.D

Acq: 15 Apr 2019 18:42

Tgt Ion:	180	Resp:	168113
Ion Ratio	Lower	Upper	
180	100		
182	96.7	47.0	141.0
145	29.9	17.0	51.0



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

