

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD032719\
 Data File : VD061354.D
 Acq On : 27 Mar 2019 15:13
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICSVVD032719

Manual Integrations
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 3/29/2019 2:00:39 PM

Quant Time: Mar 28 09:27:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	837841	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.20	114	1429137	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.35	117	1121269	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.50	152	522285	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	361048	50.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.90%	
35) Dibromofluoromethane	6.91	113	550866	50.44	ug/l	0.01
Spiked Amount	50.000		Recovery	=	100.88%	
50) Toluene-d8	10.40	98	1386762	52.94	ug/l	0.01
Spiked Amount	50.000		Recovery	=	105.88%	
62) 4-Bromofluorobenzene	13.54	95	512888	51.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.12%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.59	85	436299	48.761	ug/l	99
3) Chloromethane	1.77	50	372249	51.011	ug/l	99
4) Vinyl Chloride	1.86	62	309045	46.124	ug/l	98
5) Bromomethane	2.16	94	79424	59.778	ug/l	97
6) Chloroethane	2.28	64	108664	55.303	ug/l	94
7) Trichlorofluoromethane	2.54	101	472021	48.446	ug/l	100
8) Diethyl Ether	2.88	74	164959	52.585	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.15	101	519289	49.576	ug/l	96
10) Methyl Iodide	3.31	142	718689	45.470	ug/l	99
11) Tert butyl alcohol	4.05	59	120803	271.025	ug/l	99
12) 1,1-Dichloroethene	3.13	96	453586	50.437	ug/l	98
13) Acrolein	3.04	56	77957	227.489	ug/l	95
14) Allyl chloride	3.63	41	617047	49.193	ug/l	100
15) Acrylonitrile	4.19	53	388956	251.421	ug/l	97
16) Acetone	3.21	43	520576	282.942	ug/l	97
17) Carbon Disulfide	3.38	76	1425653	48.792	ug/l	99
18) Methyl Acetate	3.64	43	179393	46.374	ug/l	98
19) Methyl tert-butyl Ether	4.24	73	788465	50.650	ug/l	99
20) Methylene Chloride	3.81	84	511542	49.616	ug/l	97
21) trans-1,2-Dichloroethene	4.22	96	470703	48.480	ug/l	99
22) Diisopropyl ether	5.11	45	1309944	49.351	ug/l	99
23) Vinyl Acetate	5.05	43	3545097	245.875	ug/l	100
24) 1,1-Dichloroethane	4.98	63	795076	50.969	ug/l	97
25) 2-Butanone	6.06	43	575902	248.835	ug/l	98
26) 2,2-Dichloropropane	6.02	77	629498	50.764	ug/l	100
27) cis-1,2-Dichloroethene	6.03	96	526790	49.521	ug/l	100
28) Bromochloromethane	6.43	49	321880	51.117	ug/l #	98
29) Tetrahydrofuran	6.44	42	292633	260.866	ug/l	100
30) Chloroform	6.66	83	792397	49.161	ug/l	100
31) Cyclohexane	6.94	56	628700	51.001	ug/l	99
32) 1,1,1-Trichloroethane	6.87	97	709648	49.905	ug/l	96
36) 1,1-Dichloropropene	7.13	75	625981	50.186	ug/l	98
37) Ethyl Acetate	6.17	43	280665	52.614	ug/l	99
38) Carbon Tetrachloride	7.10	117	702239m	48.995	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	679179	52.282	ug/l	97
40) Benzene	7.45	78	1545802	49.380	ug/l	97
41) Methacrylonitrile	6.43	41	317582	50.917	ug/l #	97
42) 1,2-Dichloroethane	7.56	62	476123	50.847	ug/l	98
43) Isopropyl Acetate	9.22	43	411782	53.054	ug/l #	99
44) Trichloroethene	8.53	130	578865	49.689	ug/l	93
45) 1,2-Dichloropropane	8.92	63	399784	50.364	ug/l	99
46) Dibromomethane	9.05	93	275650	51.593	ug/l	99
47) Bromodichloromethane	9.37	83	580080	48.374	ug/l	98
48) Methyl methacrylate	9.11	41	223096	52.083	ug/l	97
49) 1,4-Dioxane	9.06	88	49988	1058.022	ug/l	93
51) 4-Methyl-2-Pentanone	10.28	43	1119638	237.108	ug/l	97
52) Toluene	10.50	92	983328	51.489	ug/l	97
53) t-1,3-Dichloropropene	10.90	75	543249	49.862	ug/l	100
54) cis-1,3-Dichloropropene	10.03	75	675400	50.911	ug/l	96
55) 1,1,2-Trichloroethane	11.17	97	332061	49.718	ug/l	97
56) Ethyl methacrylate	11.03	69	370788	51.678	ug/l	97
57) 1,3-Dichloropropane	11.39	76	488796	49.792	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.84	63	870561	249.146	ug/l	99
59) 2-Hexanone	11.51	43	912656	266.759	ug/l	97
60) Dibromochloromethane	11.67	129	513460	49.868	ug/l	99
61) 1,2-Dibromoethane	11.79	107	385643	49.864	ug/l	99
64) Tetrachloroethene	11.24	164	425042	48.300	ug/l	97
65) Chlorobenzene	12.39	112	1157297	50.504	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.50	131	463610	52.253	ug/l	98
67) Ethyl Benzene	12.51	91	1787647	51.110	ug/l	97
68) m/p-Xylenes	12.65	106	1254251	94.665	ug/l	96
69) o-Xylene	13.04	106	641061	49.859	ug/l	100
70) Styrene	13.06	104	1045701	46.656	ug/l	96
71) Bromoform	13.22	173	283651	50.433	ug/l	99
73) Isopropylbenzene	13.39	105	1748756	48.108	ug/l	99
74) N-amyl acetate	13.25	43	499346	49.312	ug/l	100
75) 1,1,2,2-Tetrachloroethane	13.69	83	346580	45.197	ug/l	97
76) 1,2,3-Trichloropropane	13.73	75	364174	48.270	ug/l	100
77) Bromobenzene	13.66	156	493471	45.792	ug/l	90
78) n-propylbenzene	13.77	91	1981759	44.549	ug/l	100
79) 2-Chlorotoluene	13.83	91	1104750	45.738	ug/l	96
80) 1,3,5-Trimethylbenzene	13.92	105	1309487	46.429	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.46	75	113470	49.328	ug/l	98
82) 4-Chlorotoluene	13.93	91	1235871	47.057	ug/l	91
83) tert-Butylbenzene	14.18	119	1576088	44.715	ug/l	96
84) 1,2,4-Trimethylbenzene	14.23	105	1234655	40.435	ug/l	99
85) sec-Butylbenzene	14.36	105	1734559	46.324	ug/l	98
86) p-Isopropyltoluene	14.48	119	1485094	46.903	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	799004	43.784	ug/l	97
88) 1,4-Dichlorobenzene	14.52	146	837539	47.063	ug/l	96
89) n-Butylbenzene	14.79	91	1377155	47.388	ug/l	98
90) Hexachloroethane	15.00	117	395064	44.165	ug/l	74
91) 1,2-Dichlorobenzene	14.80	146	694143	46.374	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.37	75	46021	51.171	ug/l	68

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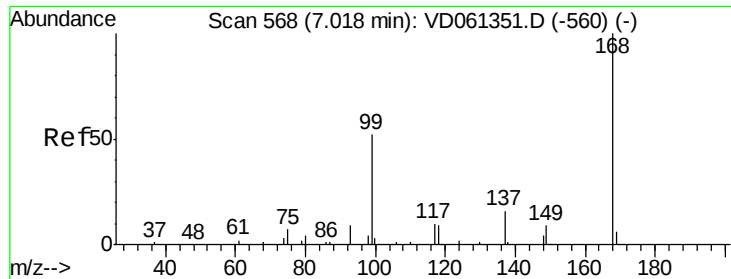
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.93	180	270500	39.671	ug/l	98
94) Hexachlorobutadiene	16.03	225	234520	44.014	ug/l	96
95) Naphthalene	16.11	128	417904	40.208	ug/l	100
96) 1,2,3-Trichlorobenzene	16.26	180	106335	35.439	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 570

Delta R.T. 0.01 min

Lab File: VD061354.D

Acq: 27 Mar 2019 15:13

Instrument :

MSVOA_D

ClientSampleId :

ICVVD032719

Tgt Ion:168 Resp: 837841

Ion Ratio Lower Upper

168 100

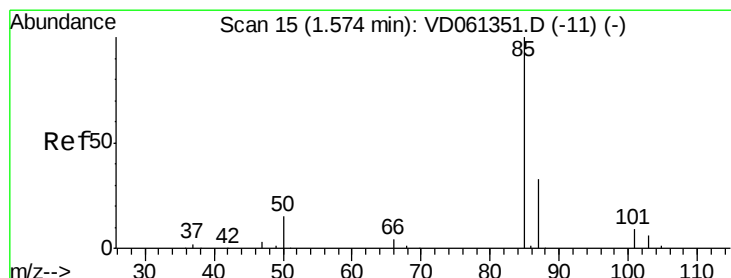
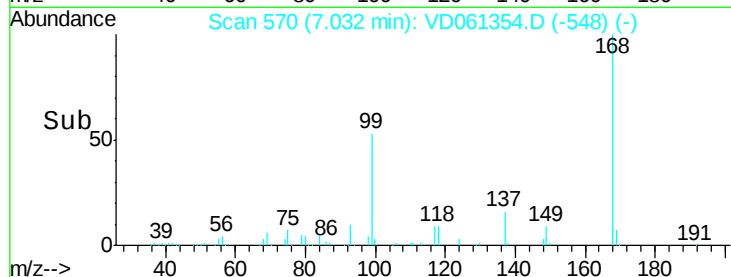
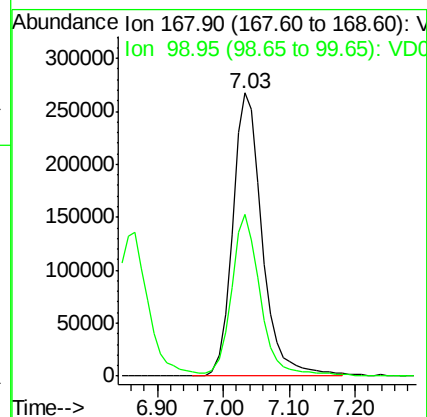
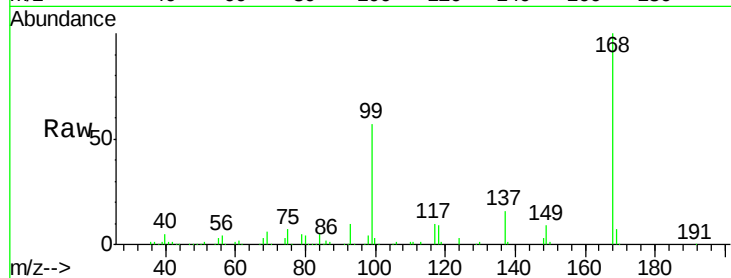
99 56.9 43.1 64.7

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#2

Dichlorodifluoromethane

Concen: 48.761 ug/l

RT: 1.59 min Scan# 17

Delta R.T. 0.01 min

Lab File: VD061354.D

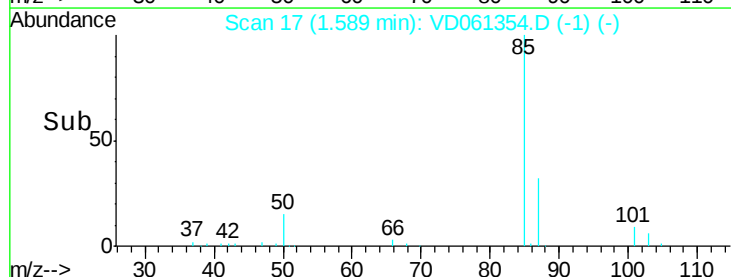
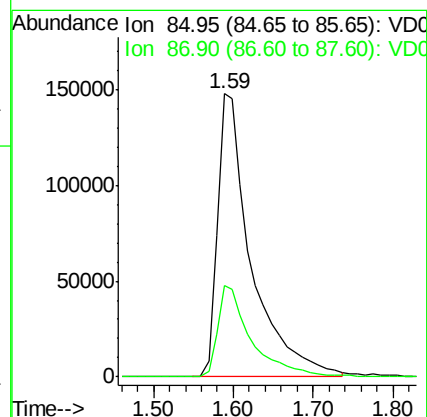
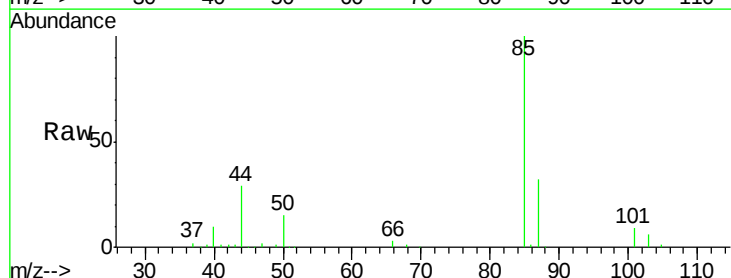
Acq: 27 Mar 2019 15:13

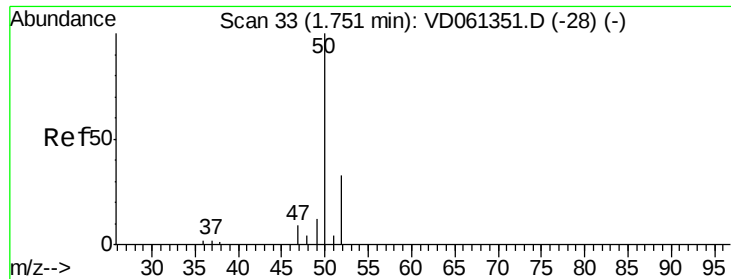
Tgt Ion: 85 Resp: 436299

Ion Ratio Lower Upper

85 100

87 32.4 16.6 49.7





#3

Chloromethane

Concen: 51.011 ug/l

RT: 1.77 min Scan# 35

Delta R.T. 0.01 min

Lab File: VD061354.D

Acq: 27 Mar 2019 15:13

Instrument :

MSVOA_D

ClientSampleId :

ICVVD032719

Tgt Ion: 50 Resp: 372249

Ion Ratio Lower Upper

50 100

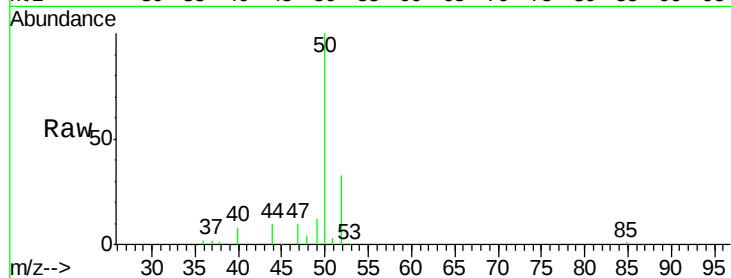
52 33.3 26.1 39.1

Manual Integrations

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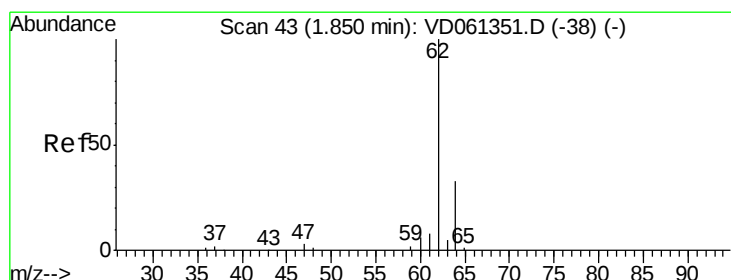
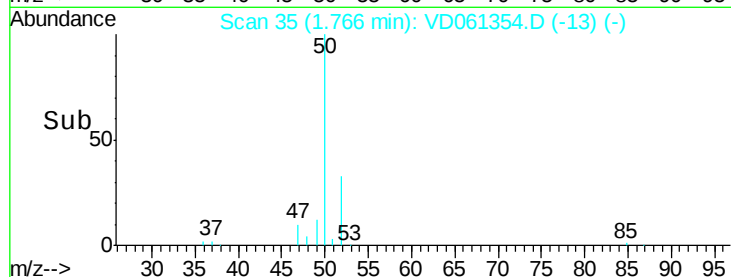
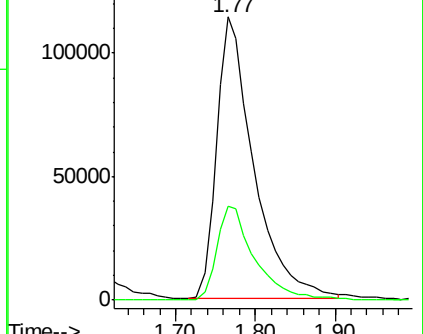
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 46.124 ug/l

RT: 1.86 min Scan# 45

Delta R.T. 0.01 min

Lab File: VD061354.D

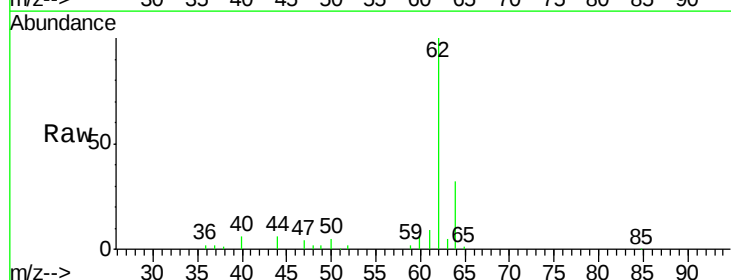
Acq: 27 Mar 2019 15:13

Tgt Ion: 62 Resp: 309045

Ion Ratio Lower Upper

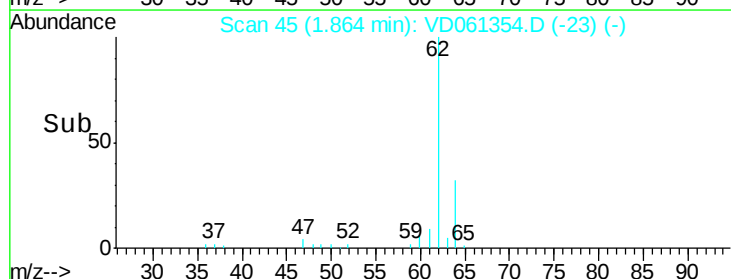
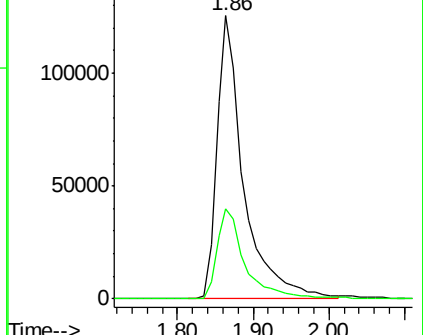
62 100

64 31.9 26.6 39.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





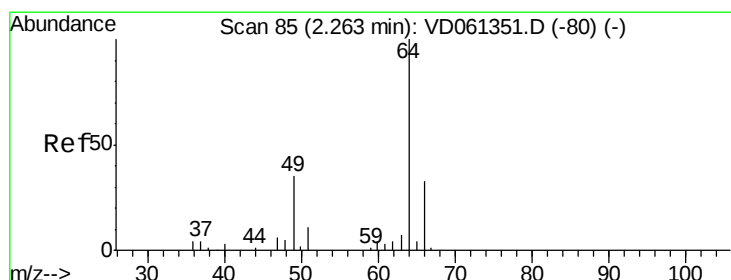
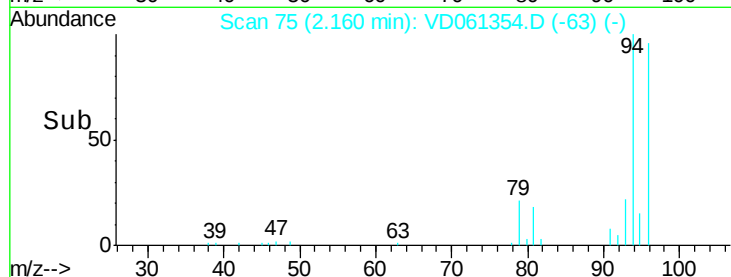
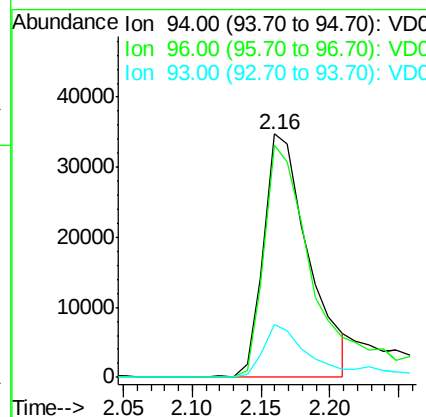
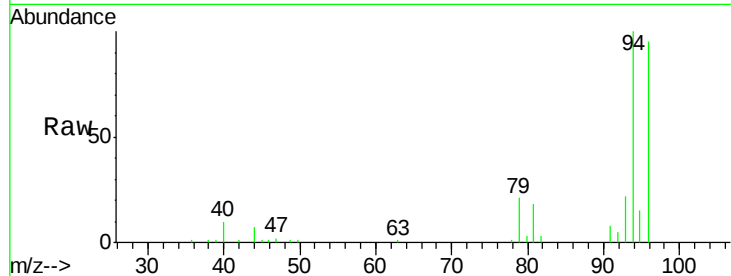
#5
Bromomethane
Concen: 59.778 ug/l
RT: 2.16 min Scan# 75
Delta R.T. 0.01 min
Lab File: VD061354.D
Acq: 27 Mar 2019 15:13

Instrument :
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ClientSampleId :
ICVVD032719

Tgt Ion	Ratio	Lower	Upper
94	100		
96	95.1	78.3	117.5
93	21.8	15.6	23.4

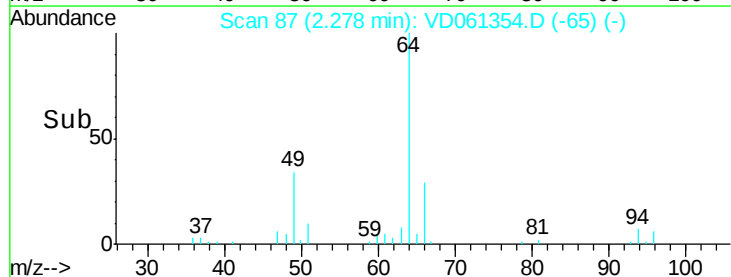
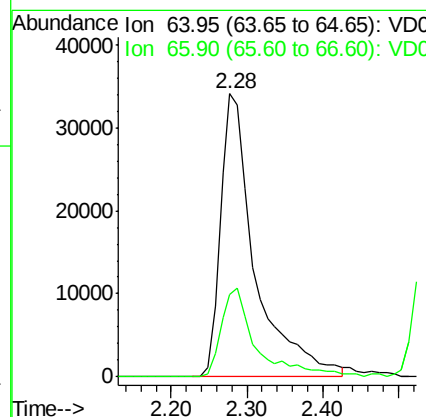
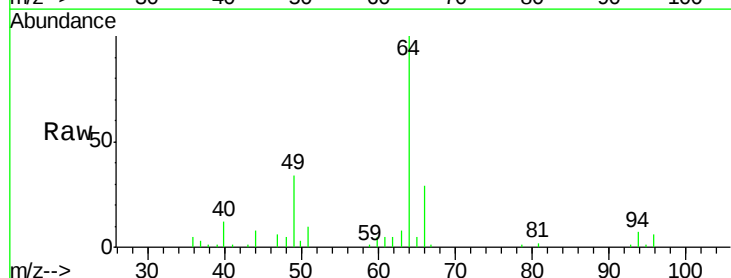
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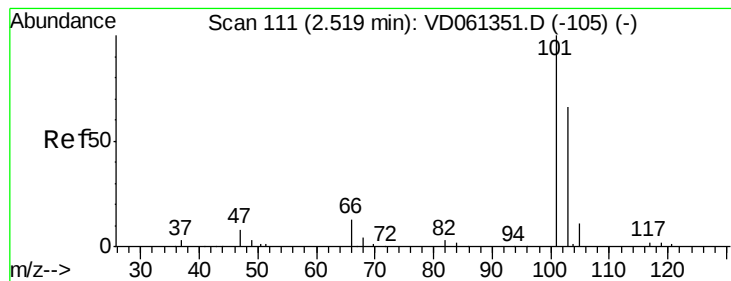
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#6
Chloroethane
Concen: 55.303 ug/l
RT: 2.28 min Scan# 87
Delta R.T. 0.01 min
Lab File: VD061354.D
Acq: 27 Mar 2019 15:13

Tgt Ion	Ratio	Lower	Upper
64	100		
66	29.2	26.2	39.2





#7

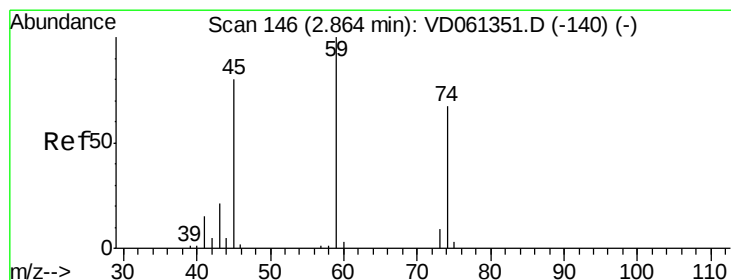
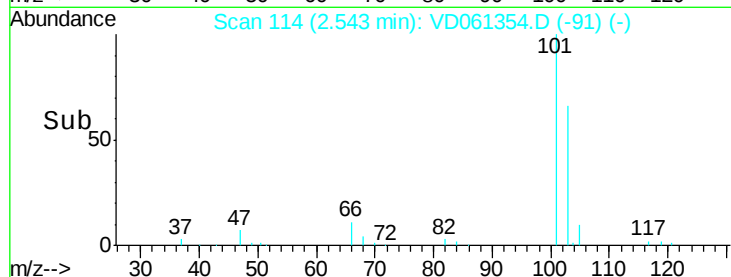
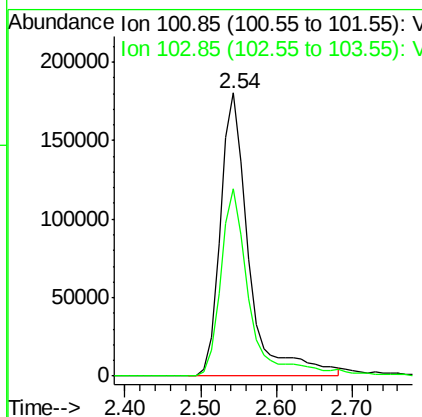
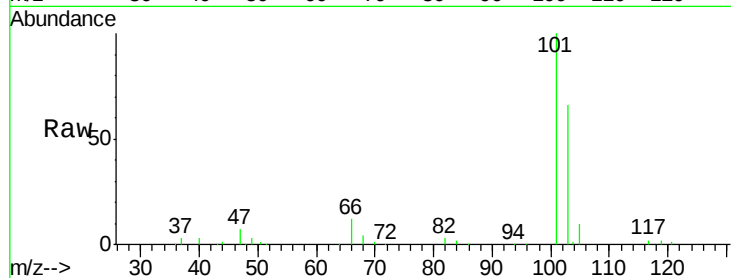
Trichlorofluoromethane
 Concen: 48.446 ug/l
 RT: 2.54 min Scan# 114
 Delta R.T. 0.02 min
 Lab File: VD061354.D
 Acq: 27 Mar 2019 15:13

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 ICVVD032719

Tgt Ion	Ratio	Lower	Upper
101	100		
103	66.2	53.1	79.7

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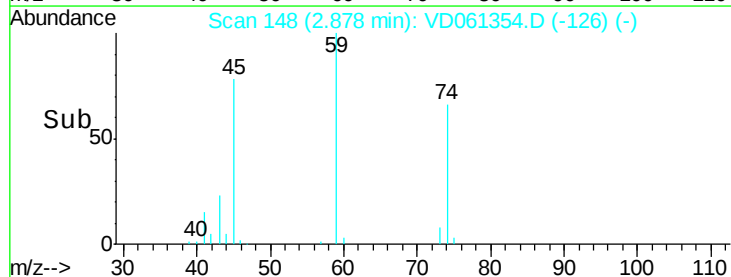
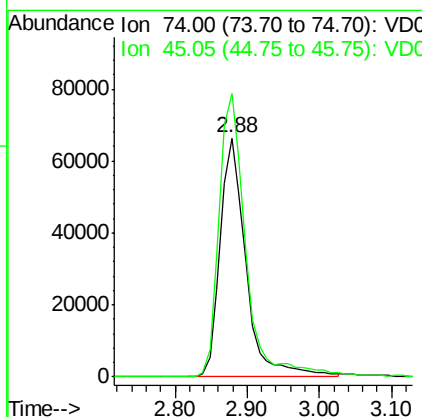
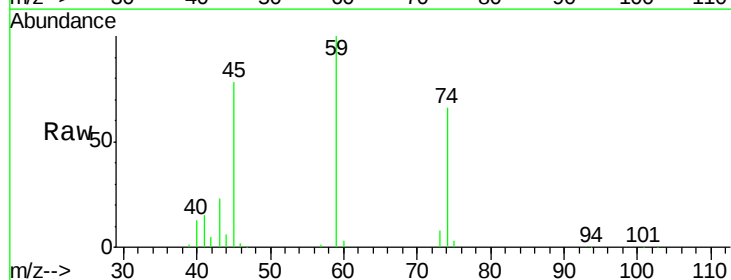
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 3/29/2019 2:00:39 PM



#8

Diethyl Ether
 Concen: 52.585 ug/l
 RT: 2.88 min Scan# 148
 Delta R.T. 0.01 min
 Lab File: VD061354.D
 Acq: 27 Mar 2019 15:13

Tgt Ion	Ratio	Lower	Upper
74	100		
45	118.4	59.7	179.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.576 ug/l

RT: 3.15 min Scan# 176

Delta R.T. 0.01 min

Lab File: VD061354.D

Acq: 27 Mar 2019 15:13

Instrument :

MSVOA_D

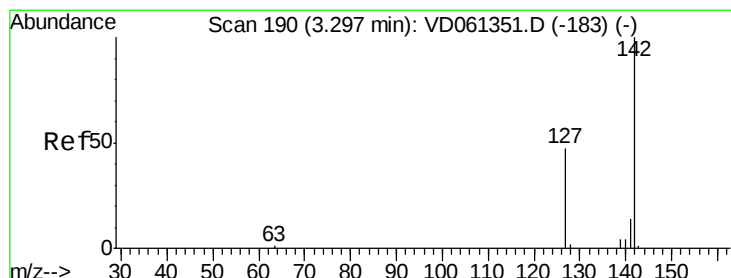
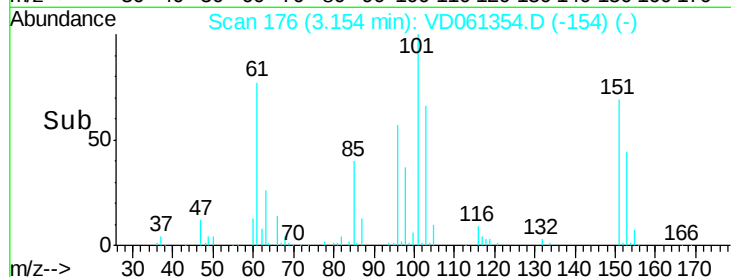
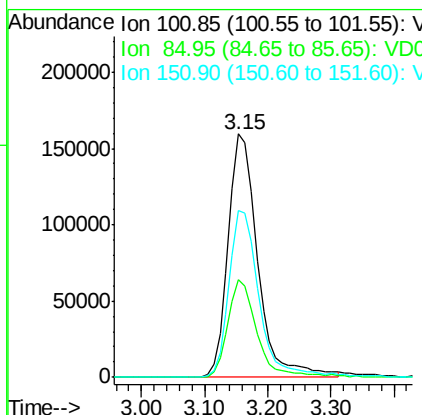
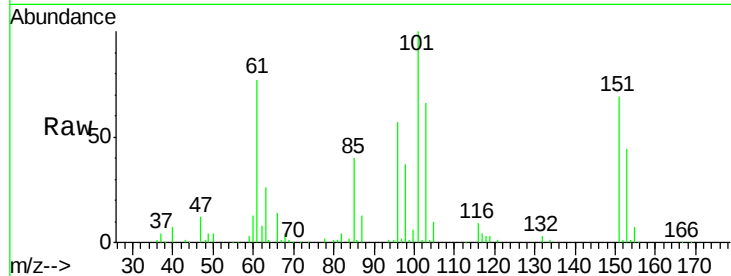
ClientSampleId :

ICVVD032719

Tgt Ion:	101	Resp:	519289
Ion Ratio	Lower	Upper	
101	100		
85	40.2	29.4	44.0
151	68.8	57.0	85.4

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#10

Methyl Iodide

Concen: 45.470 ug/l

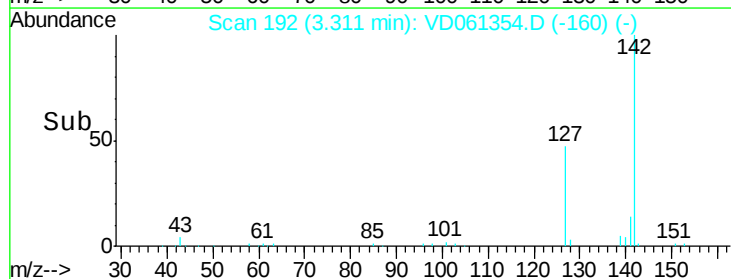
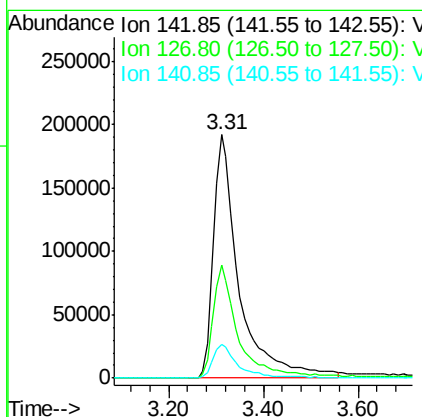
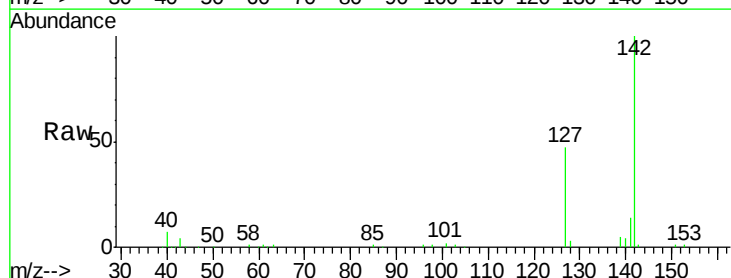
RT: 3.31 min Scan# 192

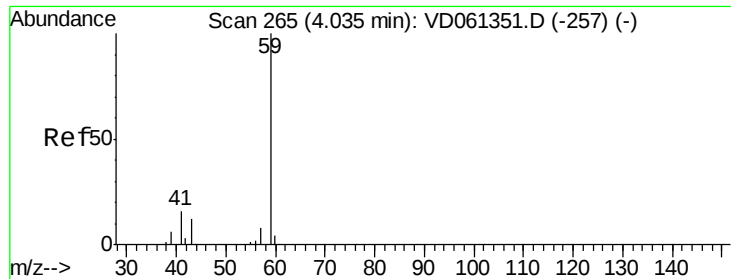
Delta R.T. 0.01 min

Lab File: VD061354.D

Acq: 27 Mar 2019 15:13

Tgt Ion:	142	Resp:	718689
Ion Ratio	Lower	Upper	
142	100		
127	46.6	37.7	56.5
141	14.1	11.5	17.3





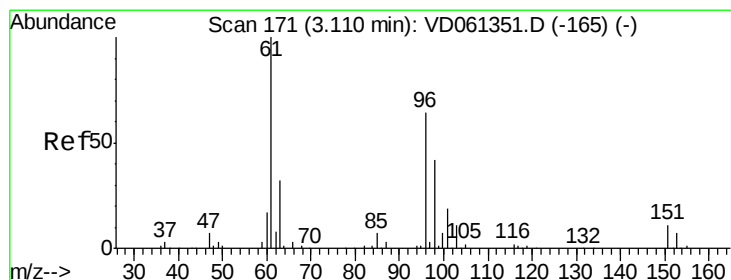
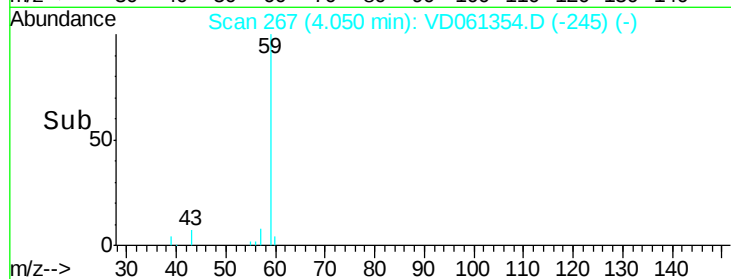
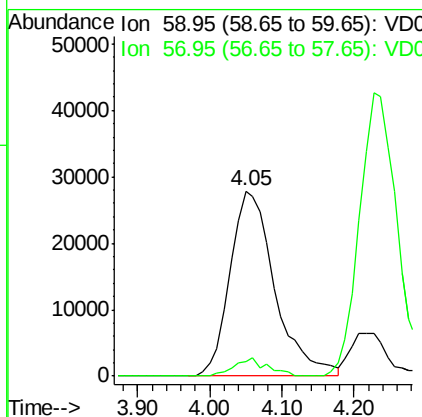
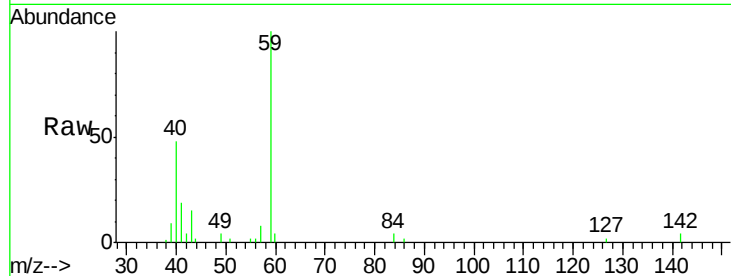
#11
Tert butyl alcohol
Concen: 271.025 ug/l
RT: 4.05 min Scan# 267
Delta R.T. 0.01 min
Lab File: VD061354.D
Acq: 27 Mar 2019 15:13

Instrument :
MSVOA_D
ClientSampleId :
ICVVD032719

Tgt Ion: 59 Resp: 120803
Ion Ratio Lower Upper
59 100
57 7.9 6.7 10.1

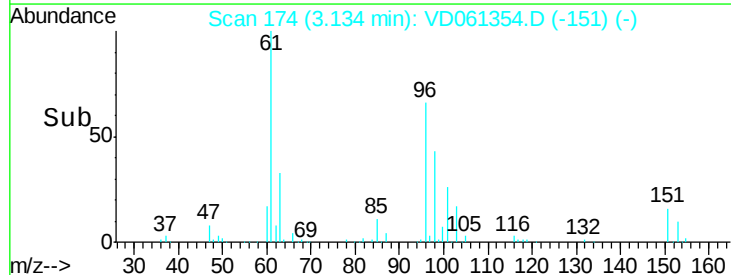
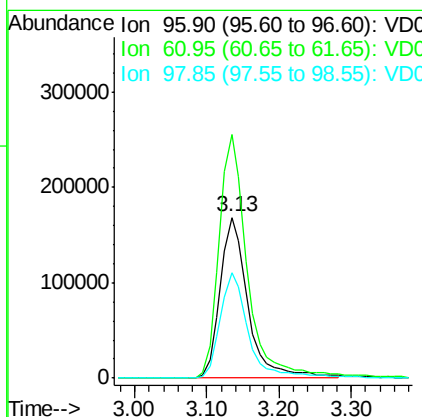
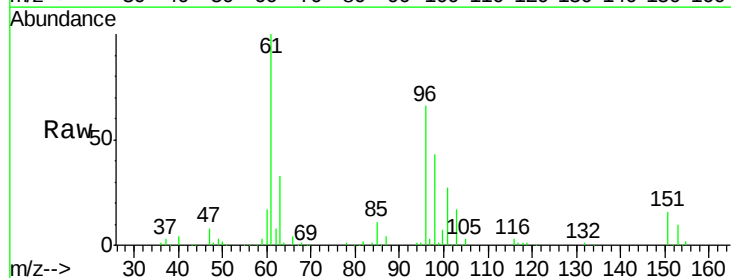
Manual Integrations
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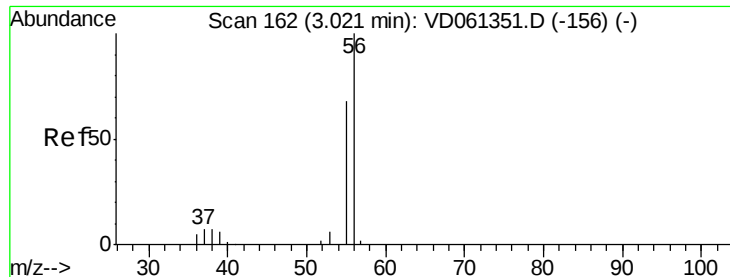
MMDadoda
3/29/2019 2:00:39 PM



#12
1,1-Dichloroethene
Concen: 50.437 ug/l
RT: 3.13 min Scan# 174
Delta R.T. 0.02 min
Lab File: VD061354.D
Acq: 27 Mar 2019 15:13

Tgt Ion: 96 Resp: 453586
Ion Ratio Lower Upper
96 100
61 151.8 124.9 187.3
98 65.8 52.5 78.7





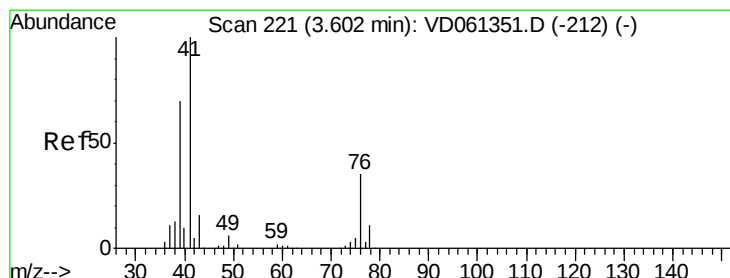
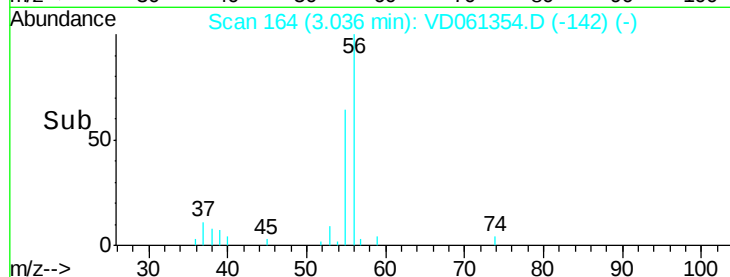
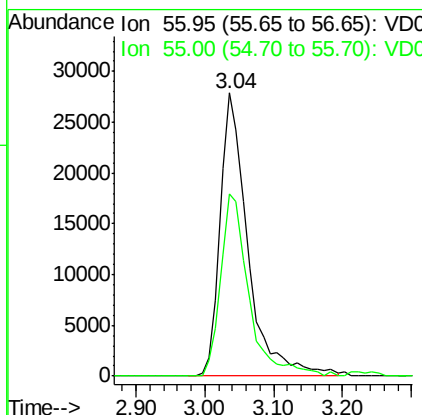
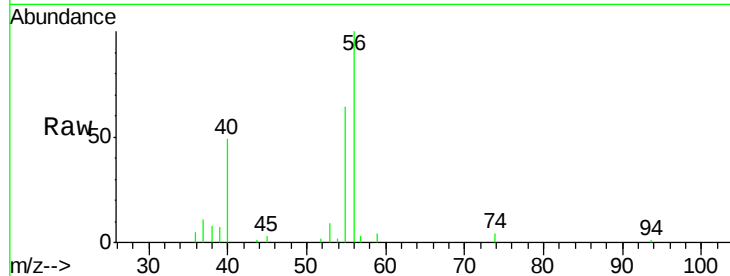
#13
Acrolein
Concen: 227.489 ug/l
RT: 3.04 min Scan# 164
Delta R.T. 0.01 min
Lab File: VD061354.D
Acq: 27 Mar 2019 15:13

Instrument :
MSVOA_D
ClientSampleId :
ICVVD032719

Tgt Ion: 56 Resp: 77957
Ion Ratio Lower Upper
56 100
55 64.2 54.6 82.0

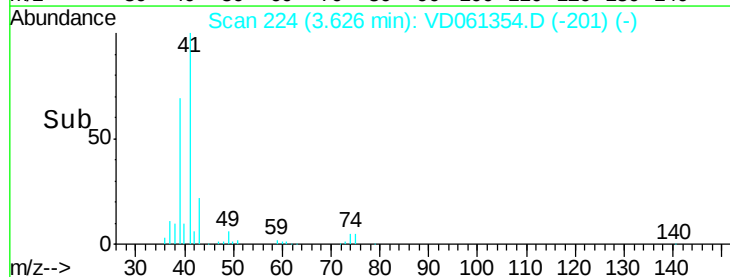
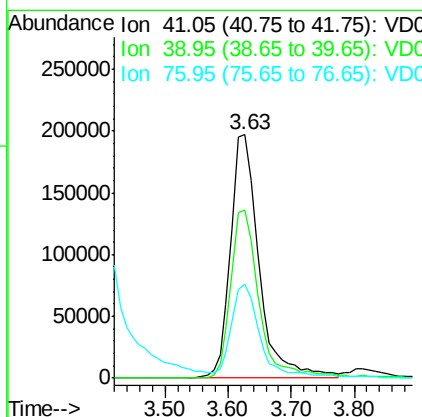
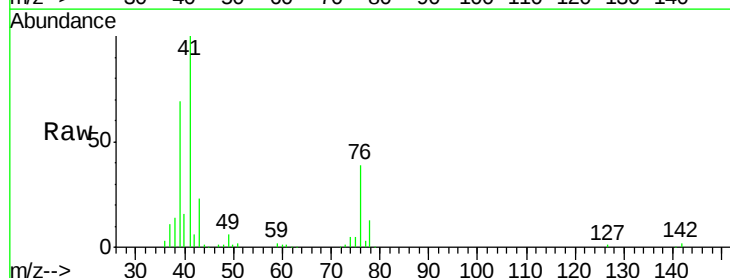
Manual Integrations
APPROVED

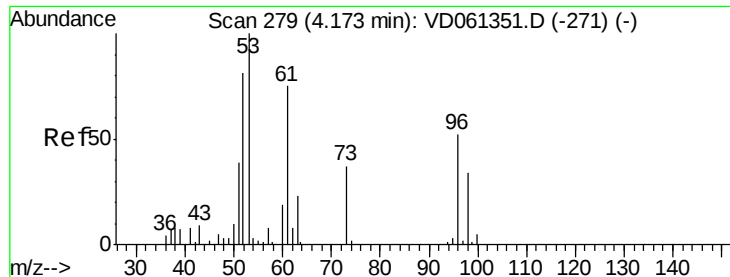
MMDadoda
3/29/2019 2:00:39 PM



#14
Allyl chloride
Concen: 49.193 ug/l
RT: 3.63 min Scan# 224
Delta R.T. 0.02 min
Lab File: VD061354.D
Acq: 27 Mar 2019 15:13

Tgt Ion: 41 Resp: 617047
Ion Ratio Lower Upper
41 100
39 69.1 55.6 83.4
76 38.7 31.0 46.6





#15

Acrylonitrile

Concen: 251.421 ug/l

RT: 4.19 min Scan# 281

Delta R.T. 0.01 min

Lab File: VD061354.D

Acq: 27 Mar 2019 15:13

Instrument :

MSVOA_D

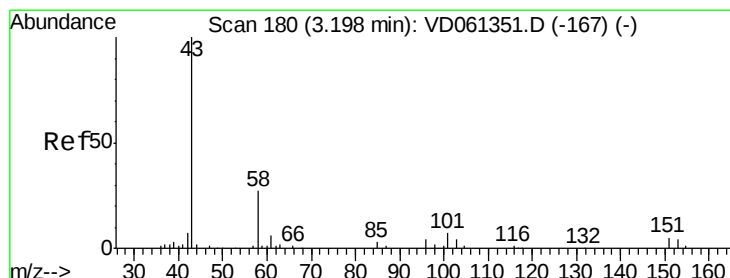
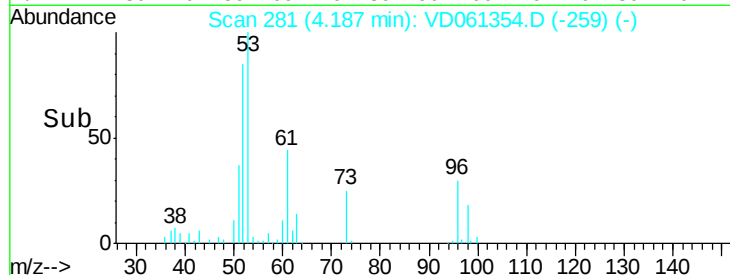
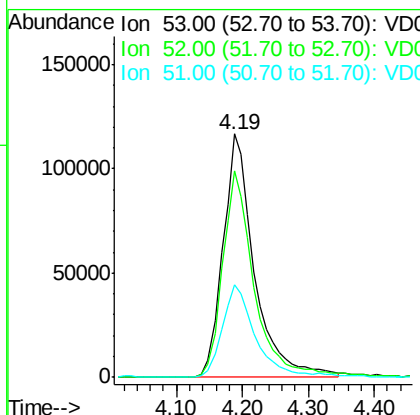
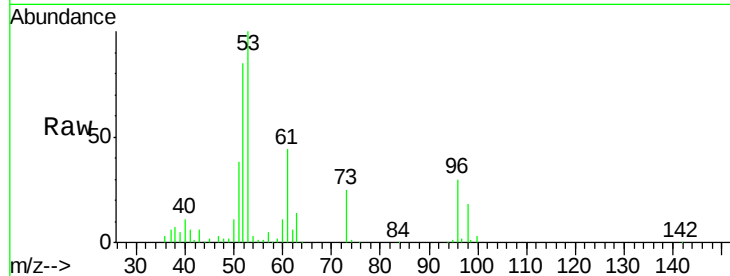
ClientSampleId :

ICVVD032719

Tgt Ion:	53	Resp:	388956
Ion	Ratio	Lower	Upper
53	100		
52	84.6	64.8	97.2
51	37.9	31.4	47.2

Manual Integrations
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#16

Acetone

Concen: 282.942 ug/l

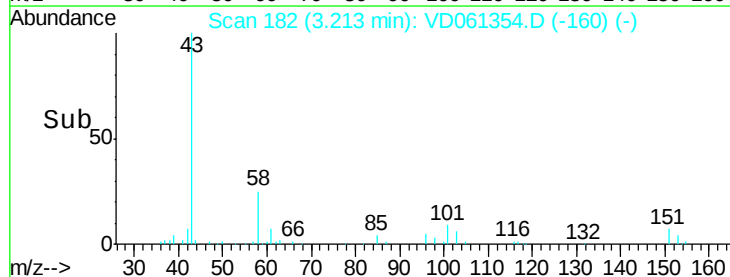
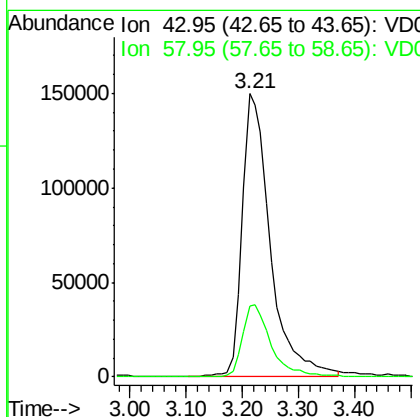
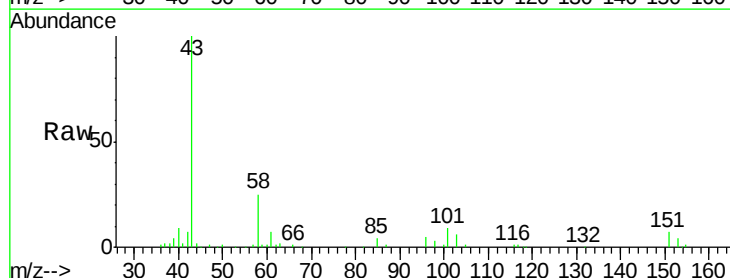
RT: 3.21 min Scan# 182

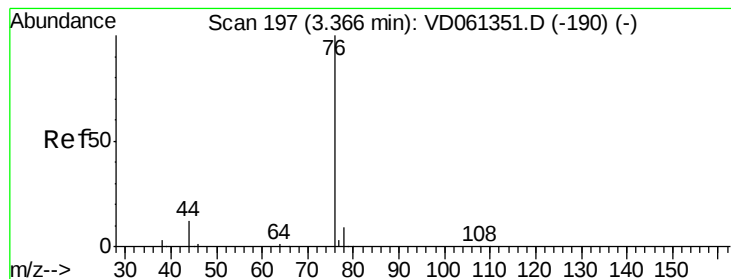
Delta R.T. 0.01 min

Lab File: VD061354.D

Acq: 27 Mar 2019 15:13

Tgt Ion:	43	Resp:	520576
Ion	Ratio	Lower	Upper
43	100		
58	25.2	21.5	32.3





#17

Carbon Disulfide

Concen: 48.792 ug/l

RT: 3.38 min Scan# 199

Delta R.T. 0.01 min

Lab File: VD061354.D

Acq: 27 Mar 2019 15:13

Instrument :

MSVOA_D

ClientSampleId :

ICVVD032719

Tgt Ion: 76 Resp: 1425653

Ion Ratio Lower Upper

76 100

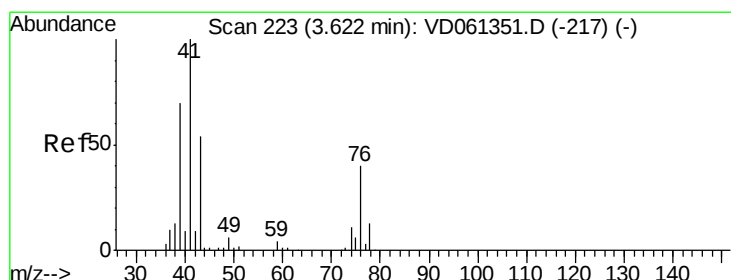
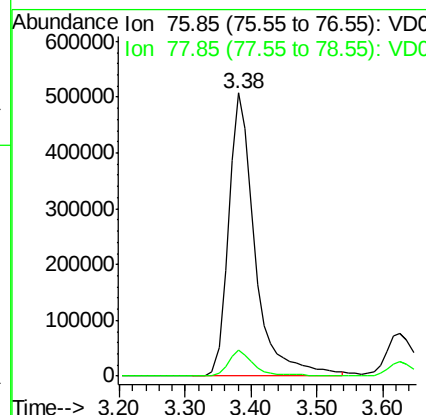
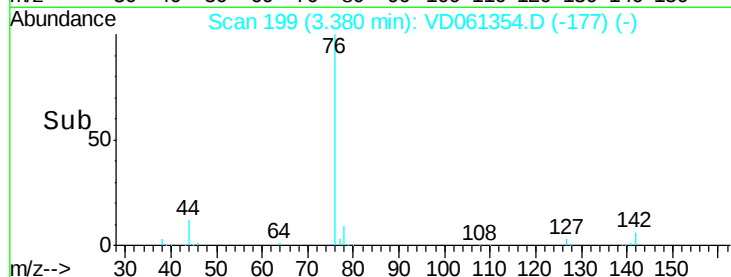
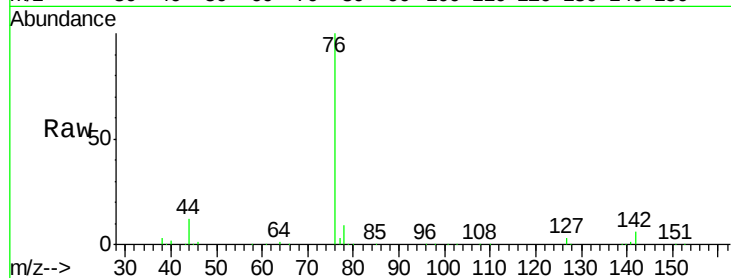
78 9.2 7.1 10.7

Manual Integrations

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#18

Methyl Acetate

Concen: 46.374 ug/l

RT: 3.64 min Scan# 225

Delta R.T. 0.01 min

Lab File: VD061354.D

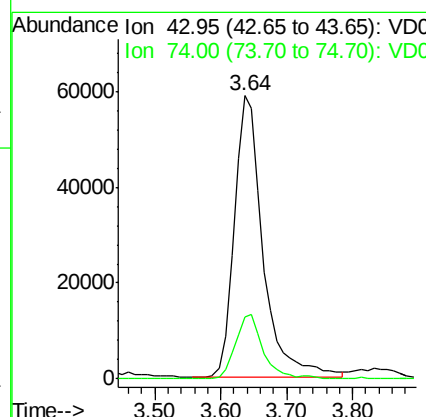
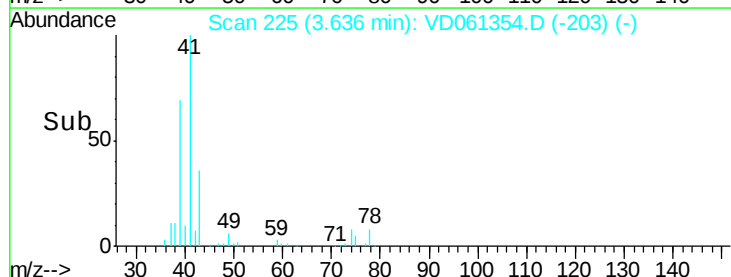
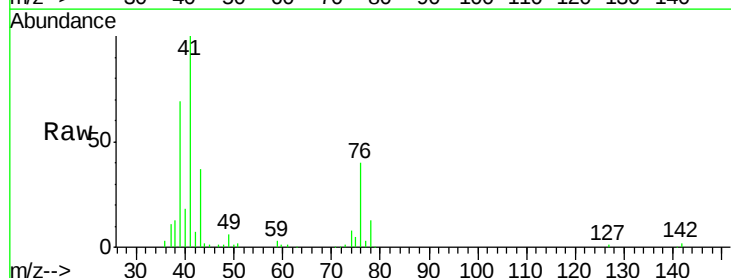
Acq: 27 Mar 2019 15:13

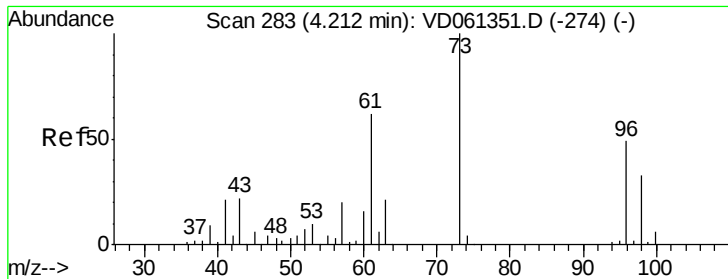
Tgt Ion: 43 Resp: 179393

Ion Ratio Lower Upper

43 100

74 21.7 16.7 25.1





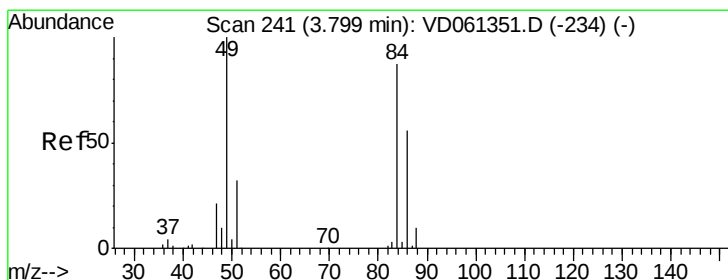
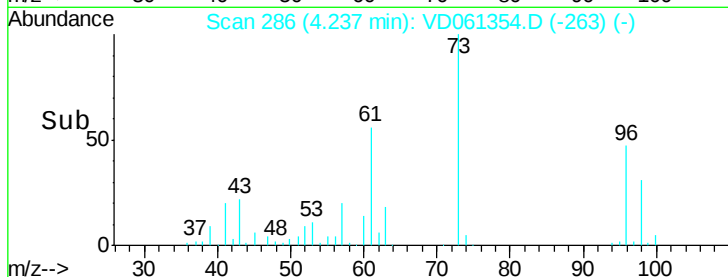
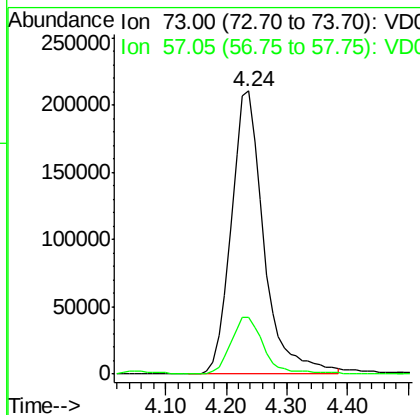
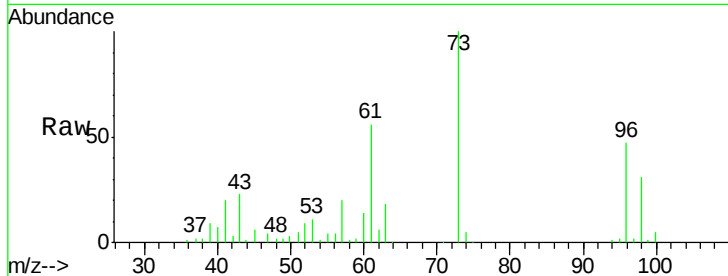
#19
Methyl tert-butyl Ether
Concen: 50.650 ug/l
RT: 4.24 min Scan# 286
Delta R.T. 0.02 min
Lab File: VD061354.D
Acq: 27 Mar 2019 15:13

Instrument :
MSVOA_D
ClientSampleId :
ICVVD032719

Tgt Ion: 73 Resp: 788465
Ion Ratio Lower Upper
73 100
57 20.0 16.4 24.6

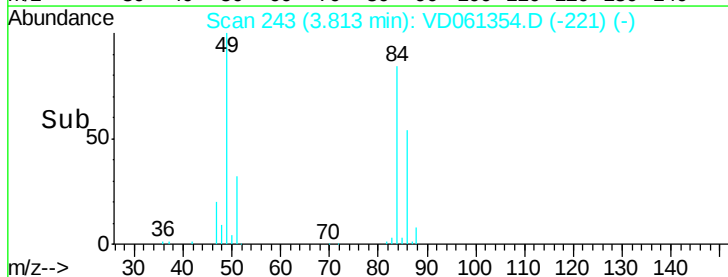
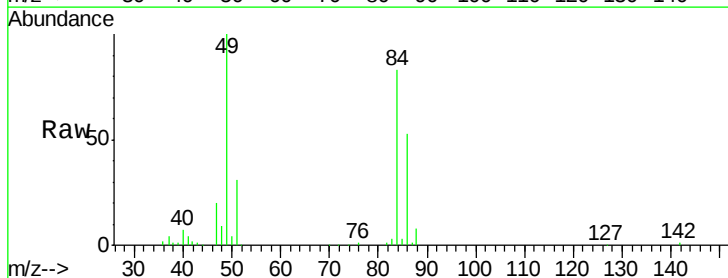
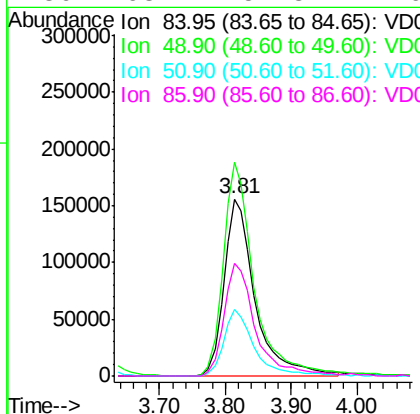
Manual Integrations
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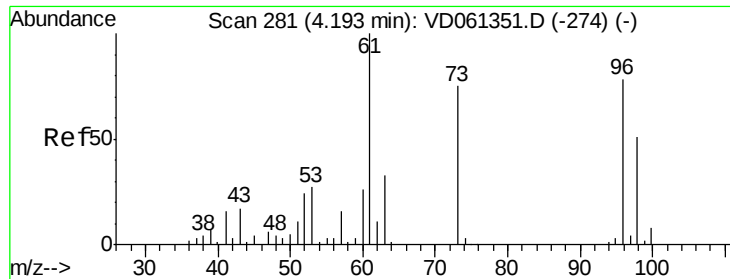
MMDadoda
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#20
Methylene Chloride
Concen: 49.616 ug/l
RT: 3.81 min Scan# 243
Delta R.T. 0.01 min
Lab File: VD061354.D
Acq: 27 Mar 2019 15:13

Tgt Ion: 84 Resp: 511542
Ion Ratio Lower Upper
84 100
49 120.5 91.8 137.8
51 37.8 29.8 44.8
86 63.4 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 48.480 ug/l

RT: 4.22 min Scan# 284

Delta R.T. 0.02 min

Lab File: VD061354.D

Acq: 27 Mar 2019 15:13

Instrument :

MSVOA_D

ClientSampleId :

ICVVD032719

Tgt Ion: 96 Resp: 470703

Ion Ratio Lower Upper

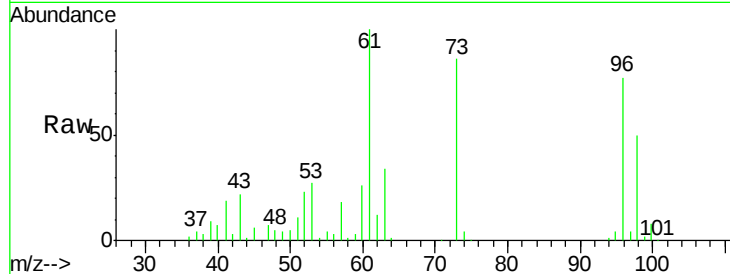
96 100

61 130.0 102.7 154.1

98 65.6 52.2 78.4

Manual Integrations
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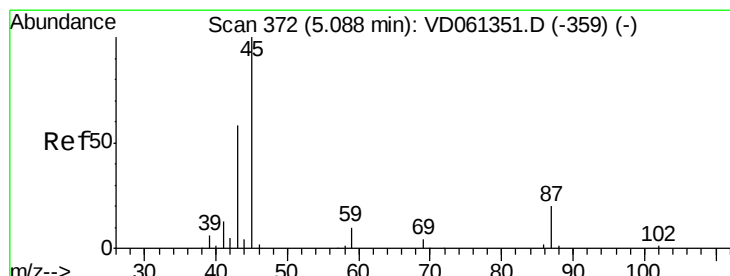
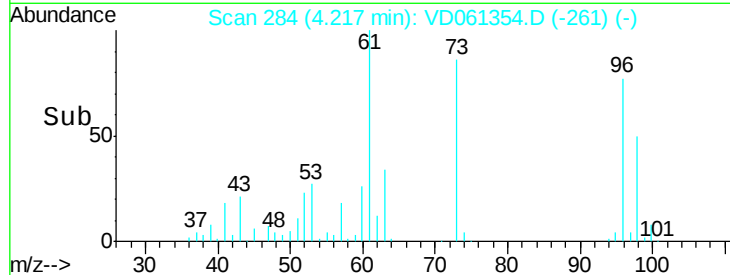
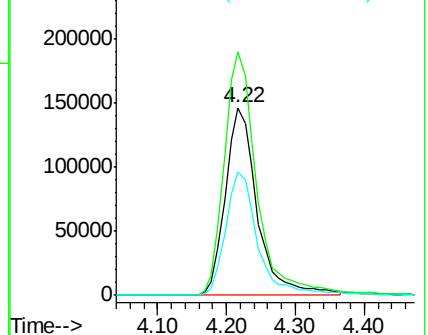


Abundance

Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 49.351 ug/l

RT: 5.11 min Scan# 375

Delta R.T. 0.02 min

Lab File: VD061354.D

Acq: 27 Mar 2019 15:13

Tgt Ion: 45 Resp: 1309944

Ion Ratio Lower Upper

45 100

43 59.4 47.4 71.2

87 18.9 16.3 24.5

59 10.3 8.4 12.6

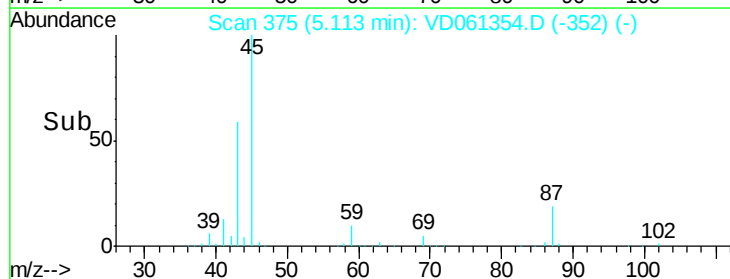
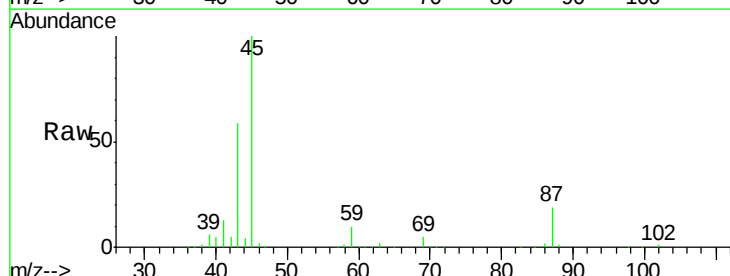
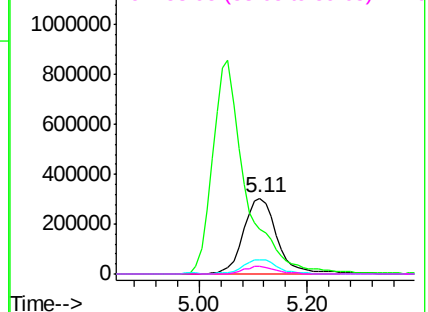
Abundance

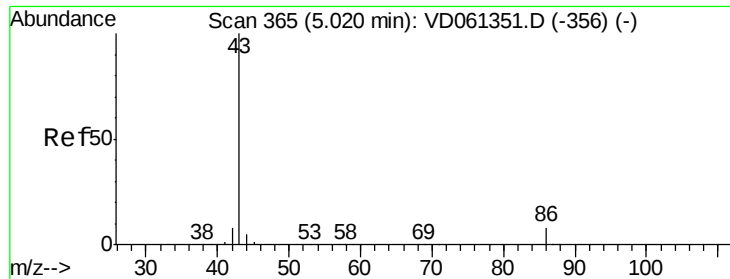
Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 245.875 ug/l

RT: 5.05 min Scan# 369

Delta R.T. 0.03 min

Lab File: VD061354.D

Acq: 27 Mar 2019 15:13

Instrument :

MSVOA_D

ClientSampleId :

ICVVD032719

Tgt Ion: 43 Resp: 3545097

Ion Ratio Lower Upper

43 100

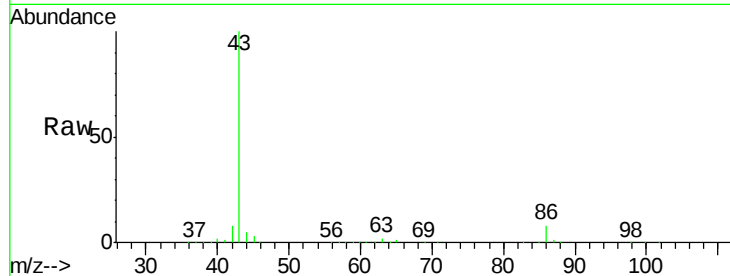
86 8.2 6.7 10.1

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

1000000

800000

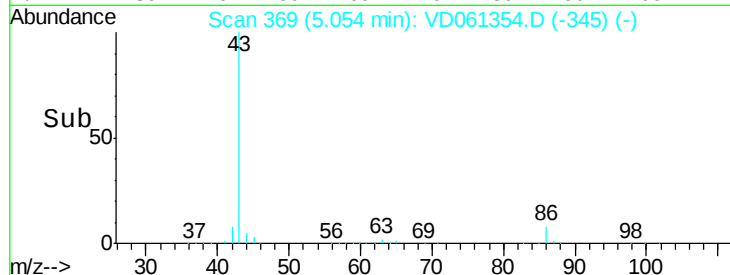
600000

400000

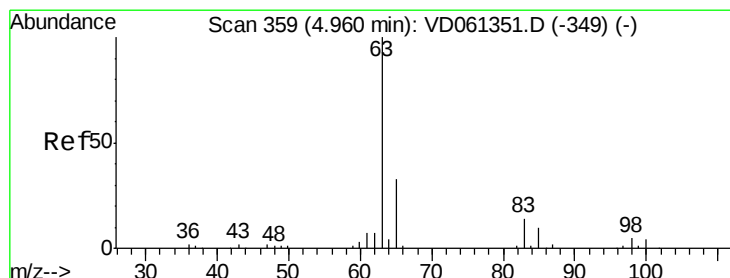
200000

0

Time-->



Time-->



#24

1,1-Dichloroethane

Concen: 50.969 ug/l

RT: 4.98 min Scan# 362

Delta R.T. 0.02 min

Lab File: VD061354.D

Acq: 27 Mar 2019 15:13

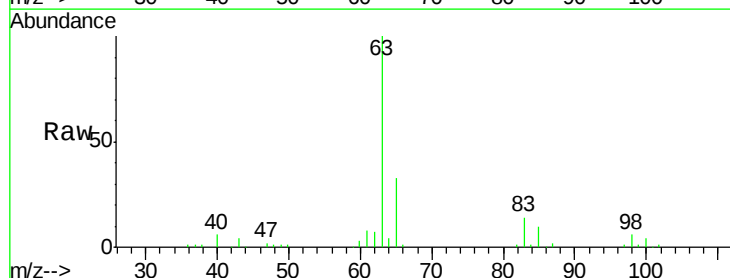
Tgt Ion: 63 Resp: 795076

Ion Ratio Lower Upper

63 100

98 6.3 2.6 8.0

100 4.0 1.8 5.3



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

250000

200000

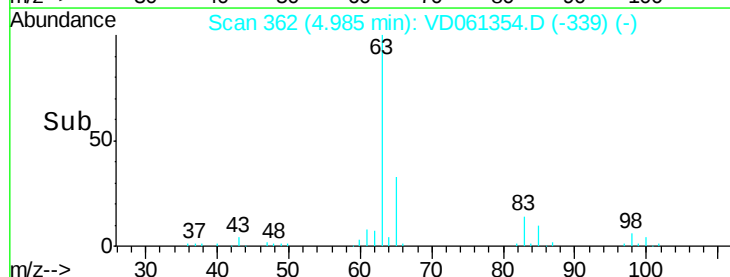
150000

100000

50000

0

Time-->



Time-->



#25

2-Butanone

Concen: 248.835 ug/l

RT: 6.06 min Scan# 471

Delta R.T. 0.02 min

Lab File: VD061354.D

Acq: 27 Mar 2019 15:13

Instrument :

MSVOA_D

ClientSampleId :

ICVVD032719

Tgt Ion: 43 Resp: 575902

Ion Ratio Lower Upper

43 100

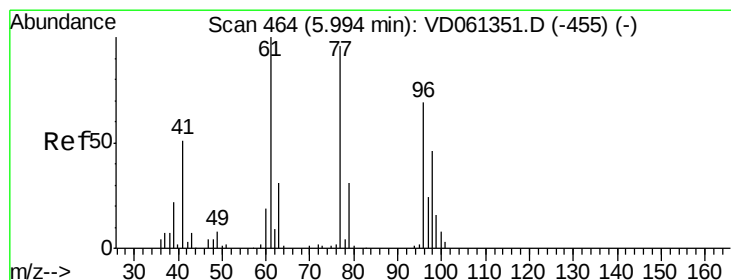
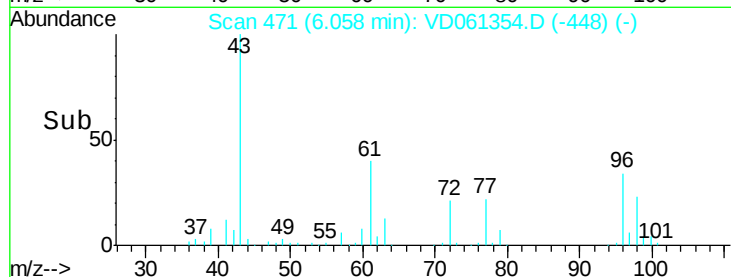
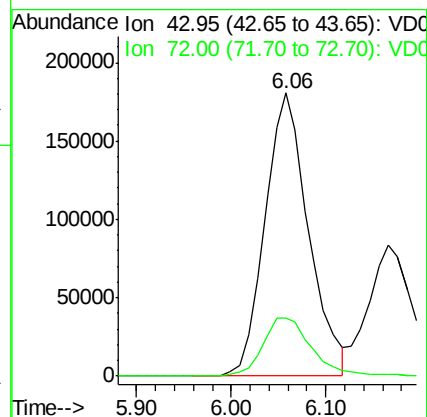
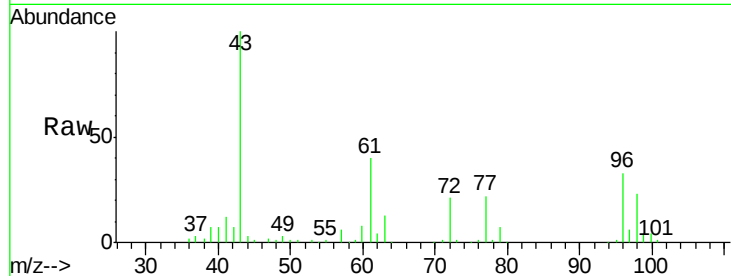
72 20.8 17.2 25.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 50.764 ug/l

RT: 6.02 min Scan# 467

Delta R.T. 0.02 min

Lab File: VD061354.D

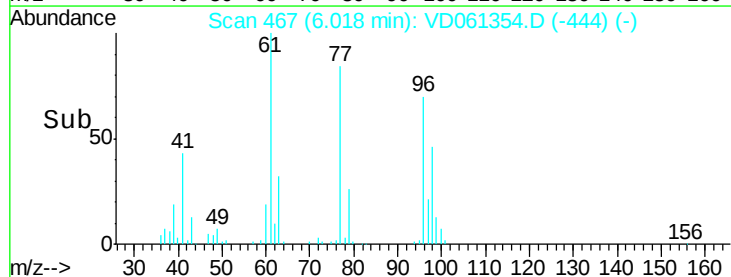
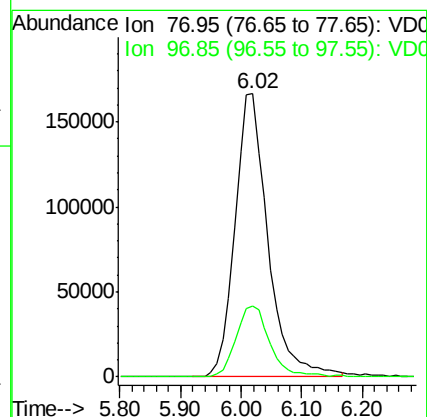
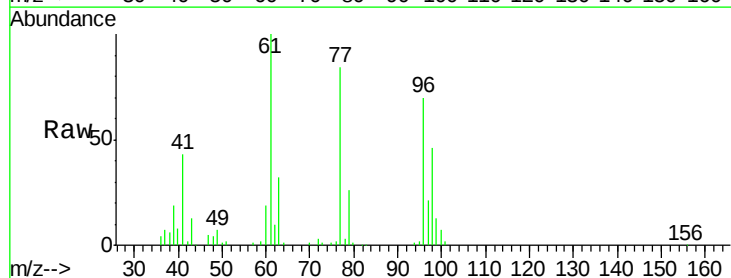
Acq: 27 Mar 2019 15:13

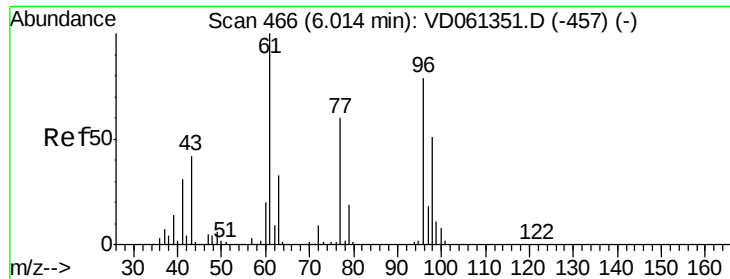
Tgt Ion: 77 Resp: 629498

Ion Ratio Lower Upper

77 100

97 25.1 12.7 38.0





#27

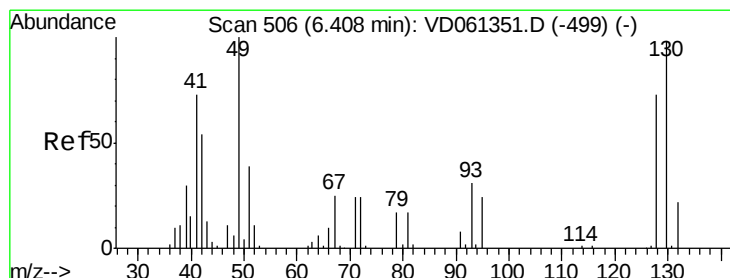
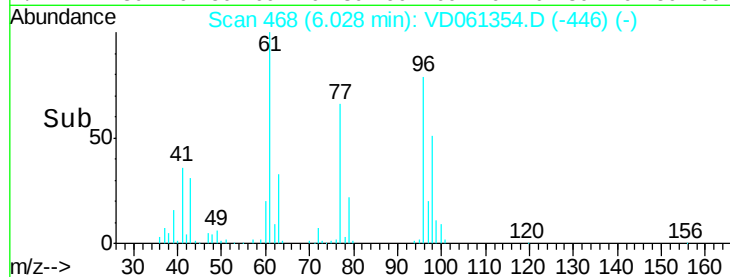
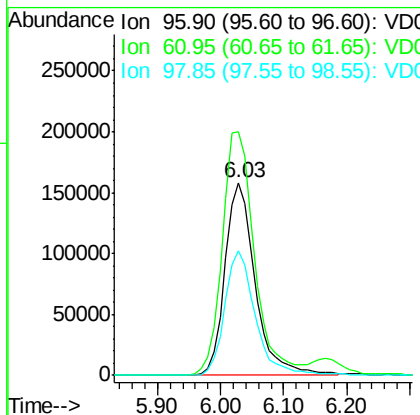
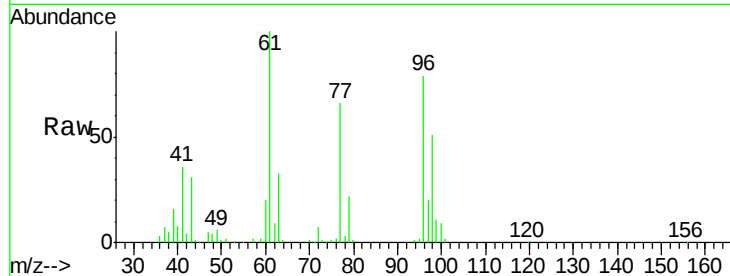
cis-1,2-Dichloroethene
Concen: 49.521 ug/l
RT: 6.03 min Scan# 468
Delta R.T. 0.01 min
Lab File: VD061354.D
Acq: 27 Mar 2019 15:13

Instrument :
MSVOA_D
ClientSampleId :
ICVVD032719

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	526790		
61	126.5	0.0	251.6	
98	64.6	0.0	129.2	

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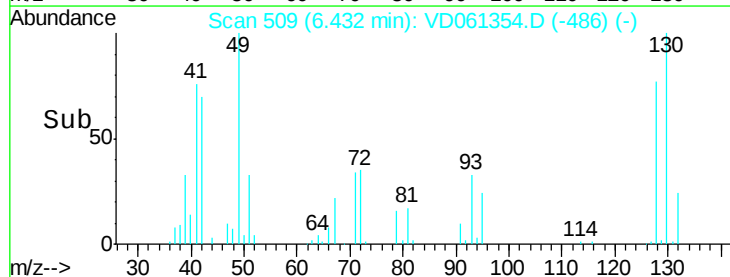
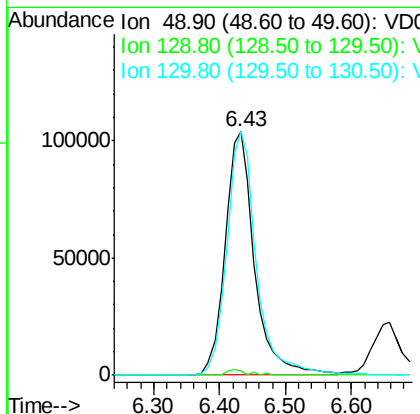
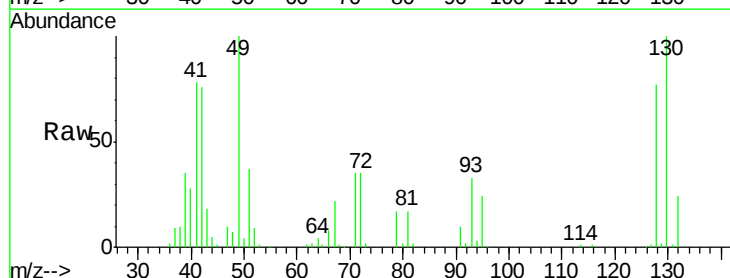
MMDadoda
3/29/2019 2:00:39 PM



#28

Bromochloromethane
Concen: 51.117 ug/l
RT: 6.43 min Scan# 509
Delta R.T. 0.02 min
Lab File: VD061354.D
Acq: 27 Mar 2019 15:13

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	0.0#
130	100.0	78.4	117.6





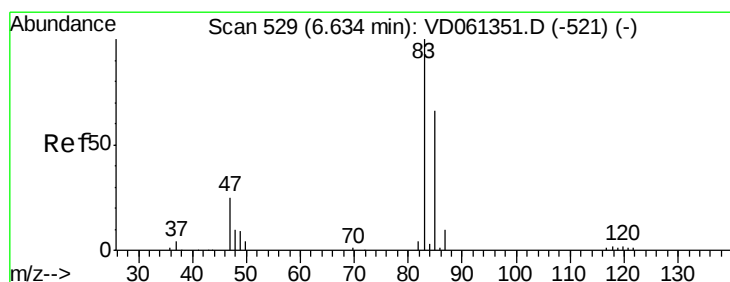
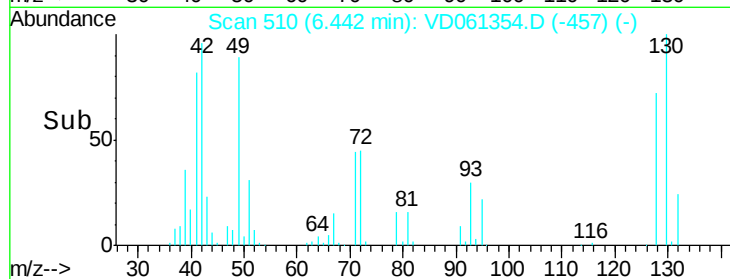
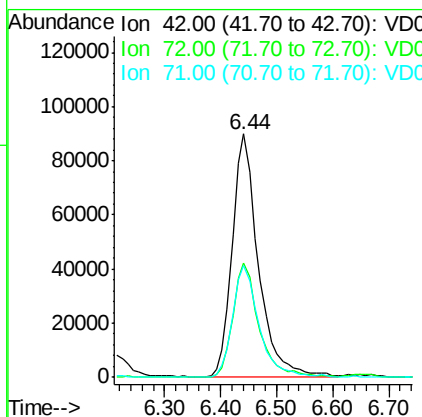
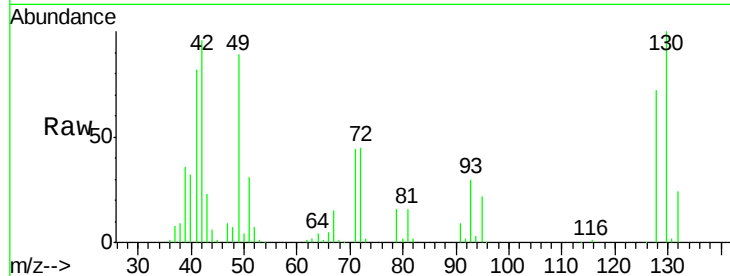
#29
Tetrahydrofuran
Concen: 260.866 ug/l
RT: 6.44 min Scan# 510
Delta R.T. 0.02 min
Lab File: VD061354.D
Acq: 27 Mar 2019 15:13

Instrument :
MSVOA_D
ClientSampleId :
ICVVD032719

Tgt Ion	Ratio	Lower	Upper
42	100		
72	46.6	37.4	56.0
71	46.4	36.7	55.1

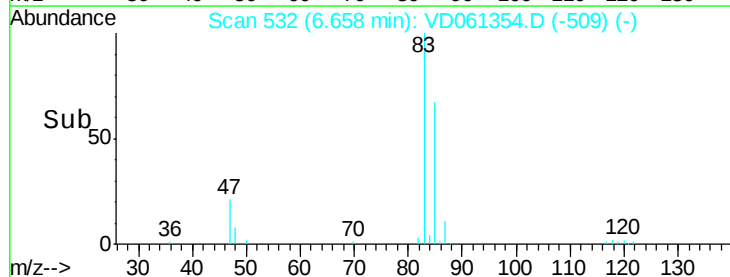
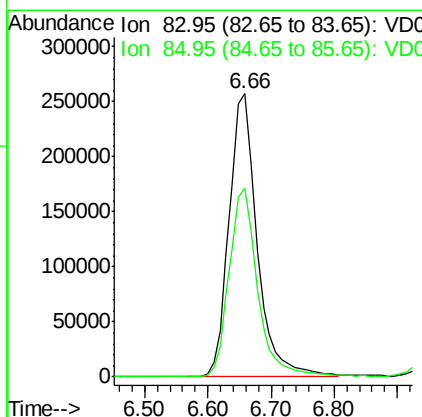
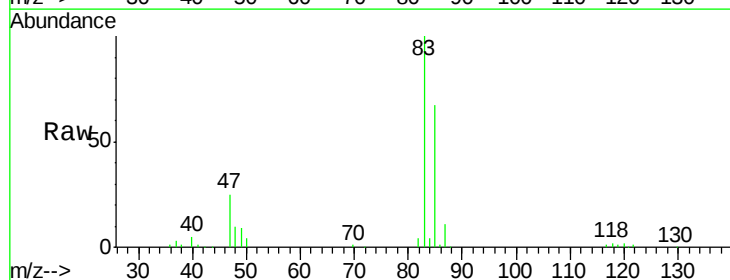
Manual Integrations
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3/29/2019 2:00:39 PM



#30
Chloroform
Concen: 49.161 ug/l
RT: 6.66 min Scan# 532
Delta R.T. 0.02 min
Lab File: VD061354.D
Acq: 27 Mar 2019 15:13

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.6	53.0	79.4





#31

Cyclohexane

Concen: 51.001 ug/l

RT: 6.94 min Scan# 561

Delta R.T. 0.01 min

Lab File: VD061354.D

Acq: 27 Mar 2019 15:13

Instrument :

MSVOA_D

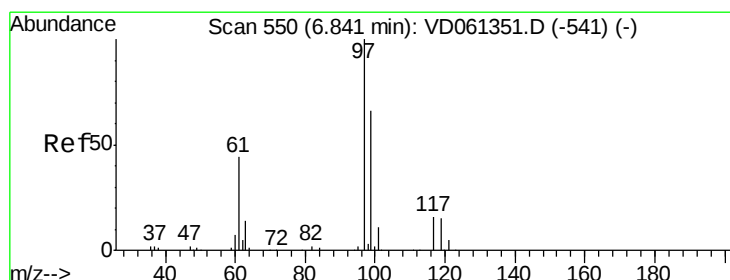
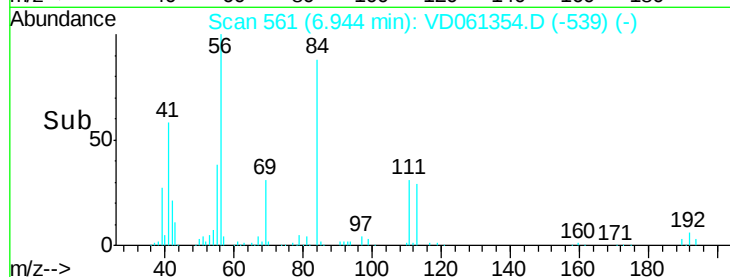
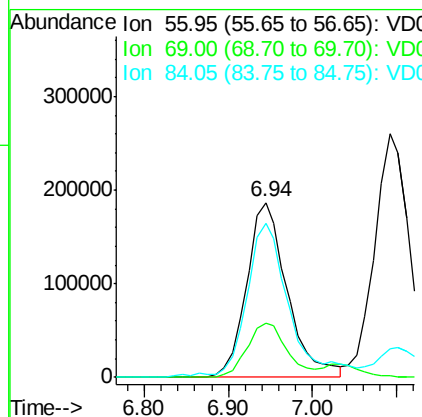
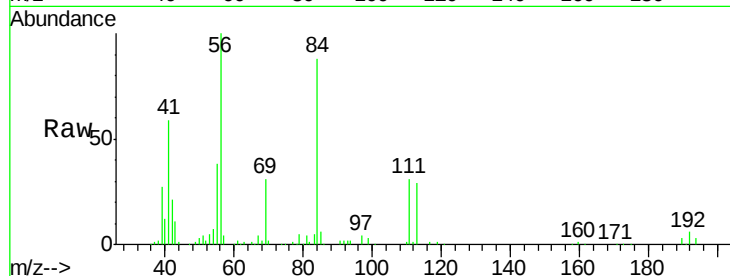
ClientSampleId :

ICVVD032719

Tgt Ion:	56	Resp:	628700
Ion	Ratio	Lower	Upper
56	100		
69	31.2	25.7	38.5
84	87.7	70.6	105.8

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 49.905 ug/l

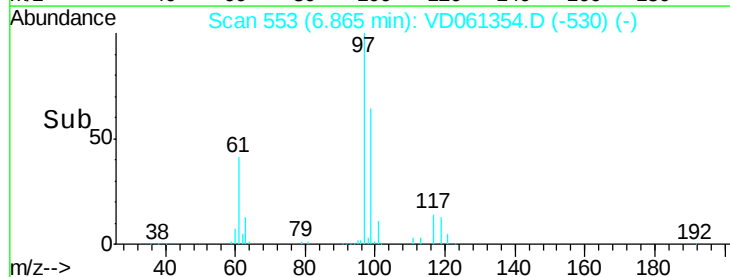
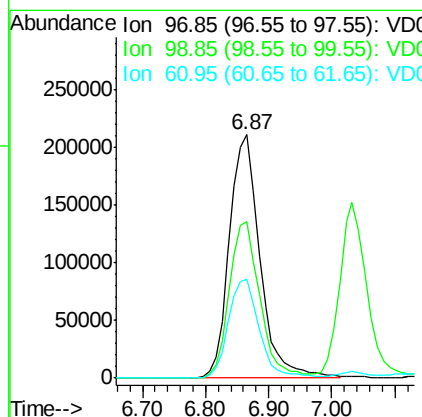
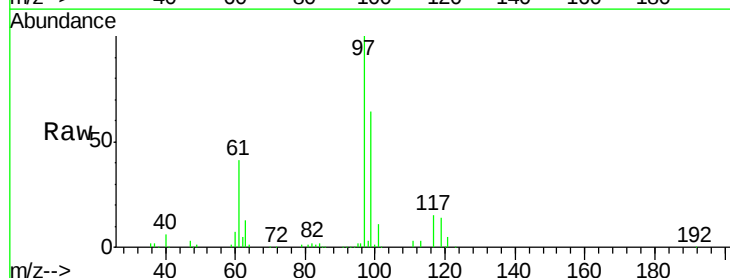
RT: 6.87 min Scan# 553

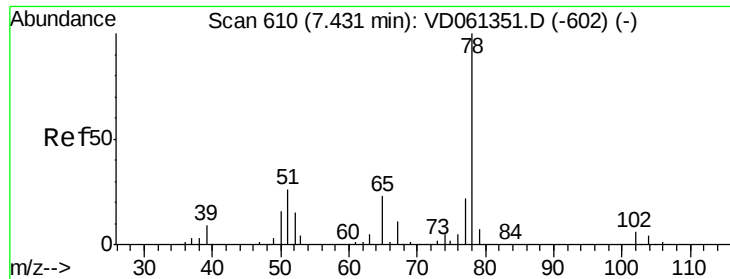
Delta R.T. 0.02 min

Lab File: VD061354.D

Acq: 27 Mar 2019 15:13

Tgt Ion:	97	Resp:	709648
Ion	Ratio	Lower	Upper
97	100		
99	64.2	53.1	79.7
61	40.9	35.5	53.3





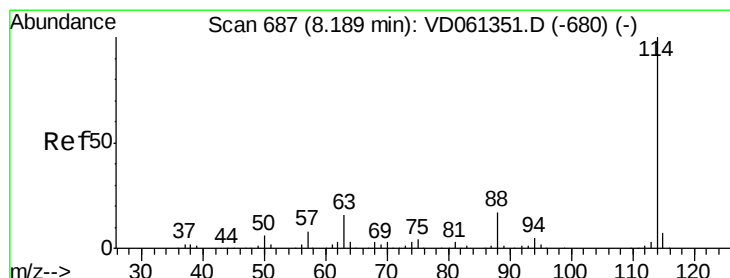
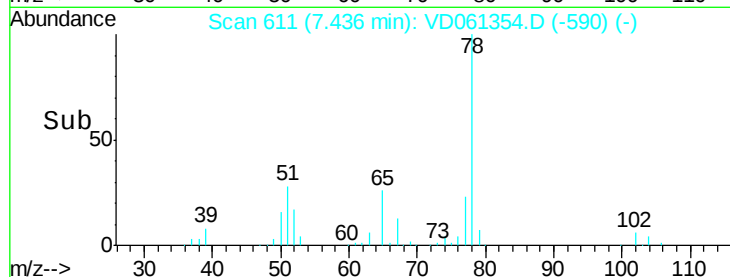
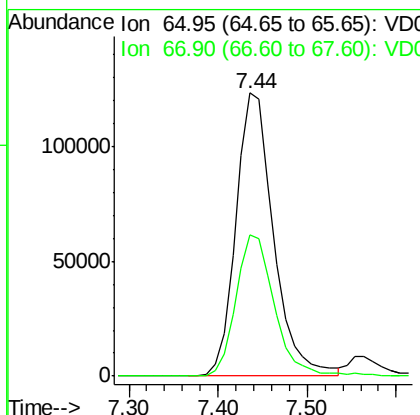
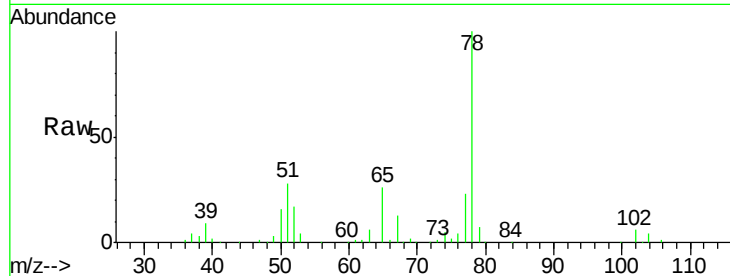
#33
 1,2-Dichloroethane-d4
 Concen: 49.905 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VD061354.D
 Acq: 27 Mar 2019 15:13

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD032719

Tgt Ion: 65 Resp: 361048
 Ion Ratio Lower Upper
 65 100
 67 49.7 0.0 99.8

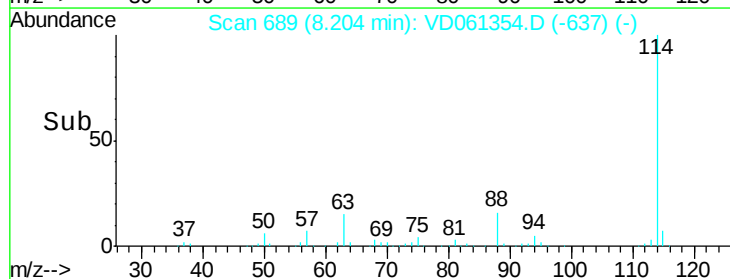
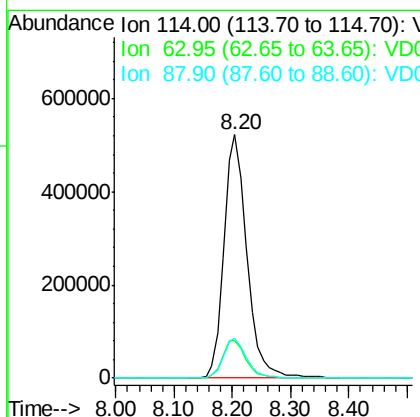
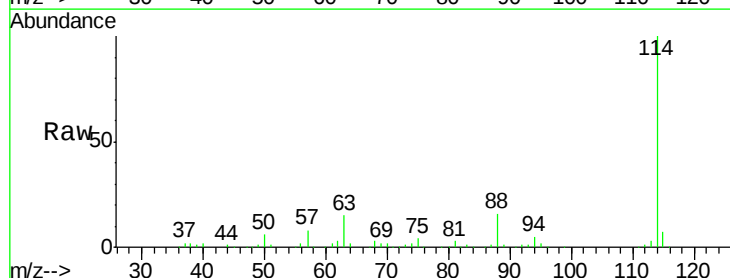
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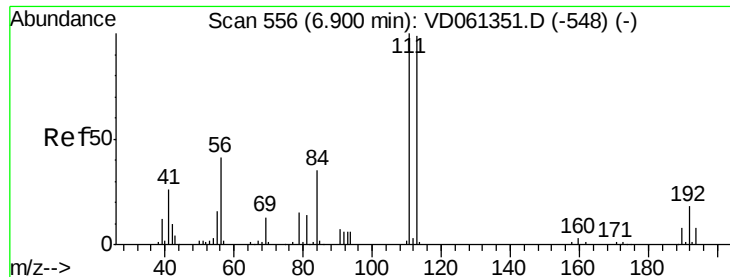
MMDadoda
 3/29/2019 2:00:39 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.20 min Scan# 689
 Delta R.T. 0.01 min
 Lab File: VD061354.D
 Acq: 27 Mar 2019 15:13

Tgt Ion: 114 Resp: 1429137
 Ion Ratio Lower Upper
 114 100
 63 15.3 0.0 31.6
 88 16.4 0.0 33.4





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.91 min Scan# 558

Delta R.T. 0.01 min

Lab File: VD061354.D

Acq: 27 Mar 2019 15:13

Instrument :

MSVOA_D

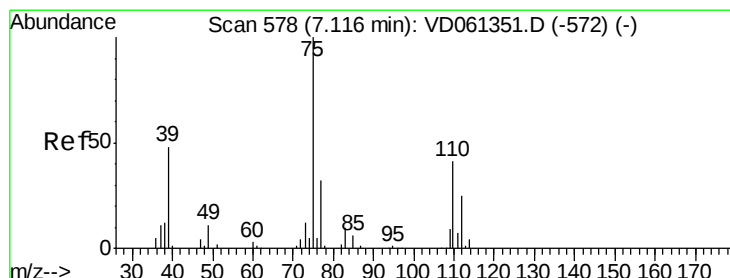
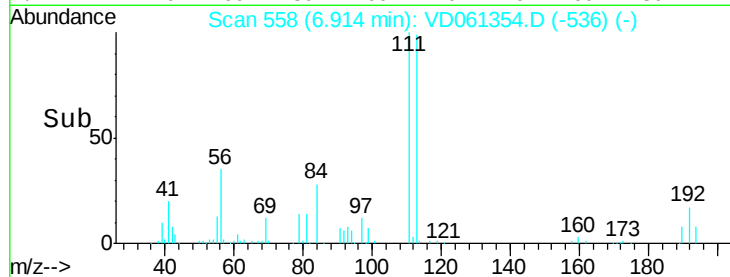
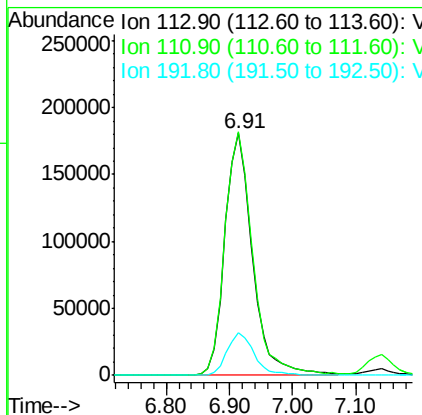
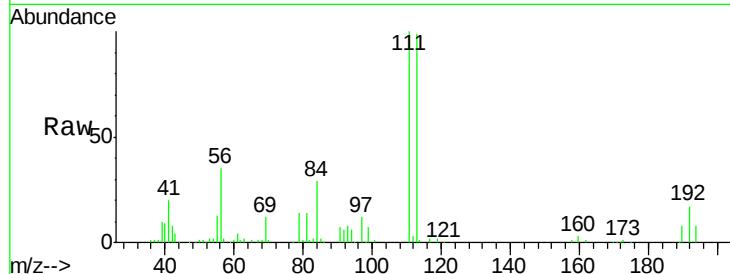
ClientSampleId :

ICVVD032719

Tgt Ion:	113	Resp:	550866
Ion	Ratio	Lower	Upper
113	100		
111	100.6	81.0	121.6
192	17.6	14.4	21.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 50.186 ug/l

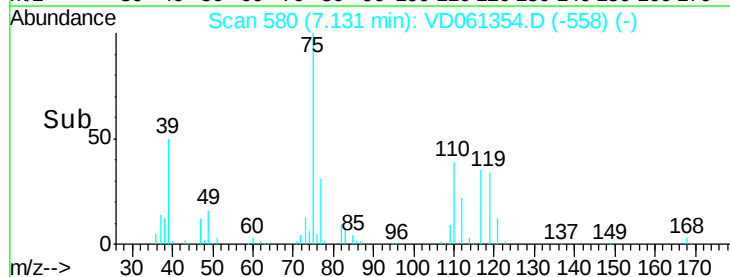
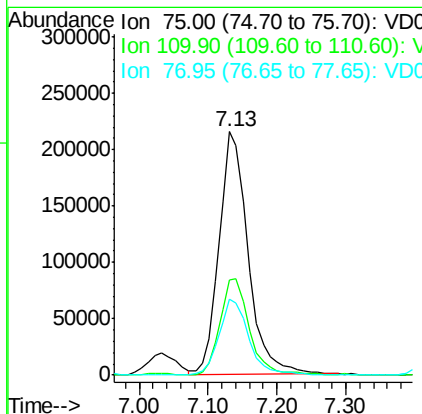
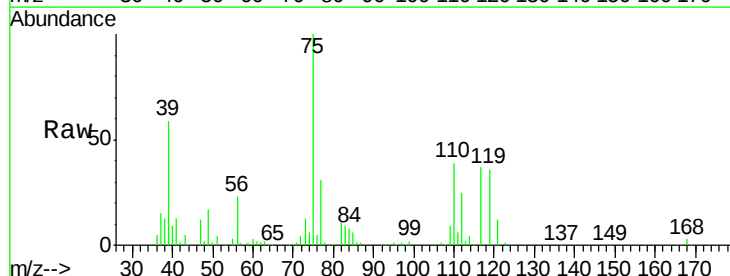
RT: 7.13 min Scan# 580

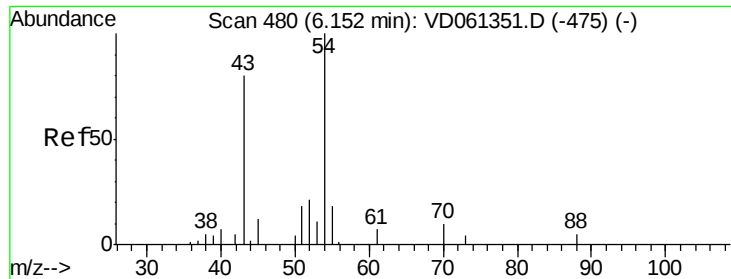
Delta R.T. 0.01 min

Lab File: VD061354.D

Acq: 27 Mar 2019 15:13

Tgt Ion:	75	Resp:	625981
Ion	Ratio	Lower	Upper
75	100		
110	39.1	20.4	61.3
77	31.0	24.9	37.3





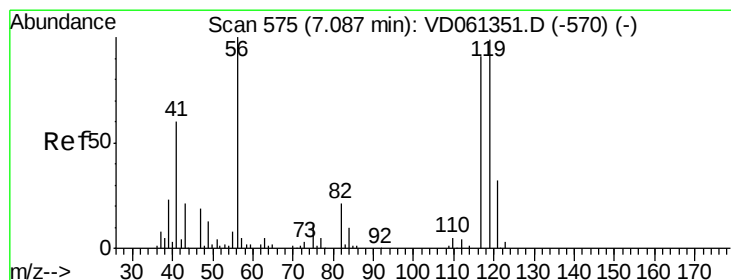
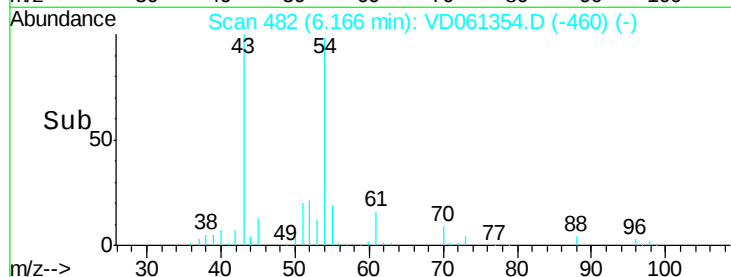
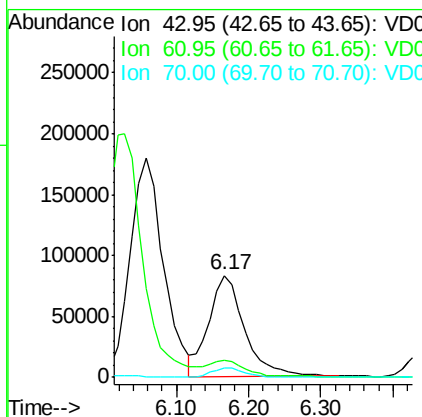
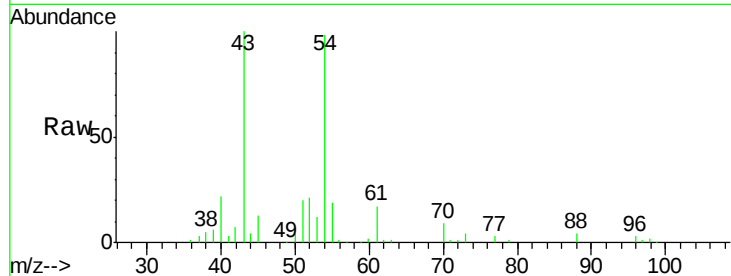
#37
Ethyl Acetate
Concen: 52.614 ug/l
RT: 6.17 min Scan# 482
Delta R.T. 0.01 min
Lab File: VD061354.D
Acq: 27 Mar 2019 15:13

Instrument :
MSVOA_D
ClientSampleId :
ICVVD032719

Tgt Ion	Ratio	Lower	Upper
43	100		
61	16.9	13.8	20.8
70	9.1	7.8	11.8

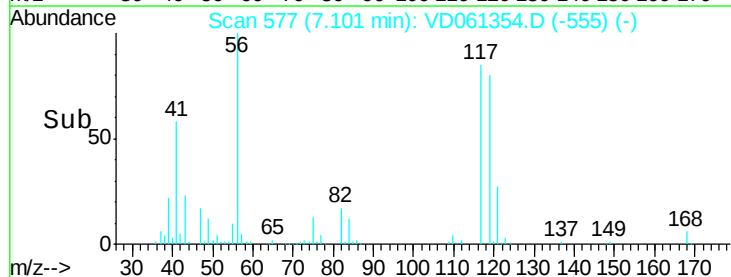
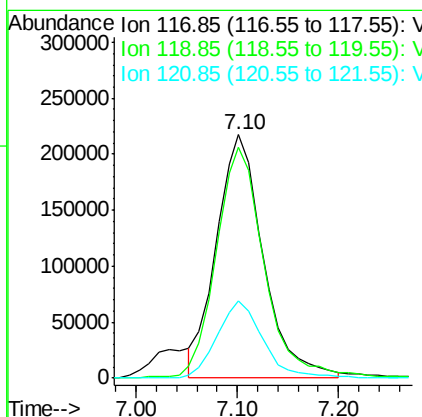
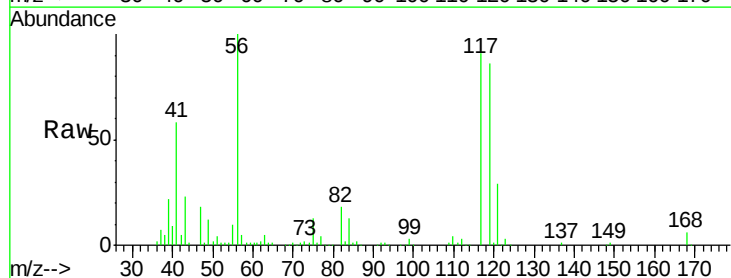
Manual Integrations
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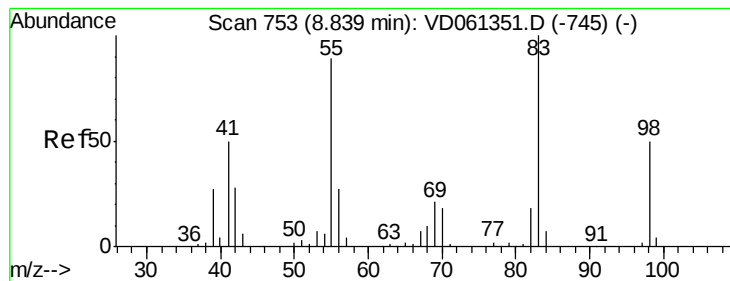
MMDadoda
3/29/2019 2:00:39 PM



#38
Carbon Tetrachloride
Concen: 48.995 ug/l m
RT: 7.10 min Scan# 577
Delta R.T. 0.01 min
Lab File: VD061354.D
Acq: 27 Mar 2019 15:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.9	80.1	120.1
121	31.6	25.6	38.4





#39

Methylcyclohexane

Concen: 52.282 ug/l

RT: 8.85 min Scan# 755

Delta R.T. 0.01 min

Lab File: VD061354.D

Acq: 27 Mar 2019 15:13

Instrument :

MSVOA_D

ClientSampleId :

ICVVD032719

Tgt Ion: 83 Resp: 679179

Ion Ratio Lower Upper

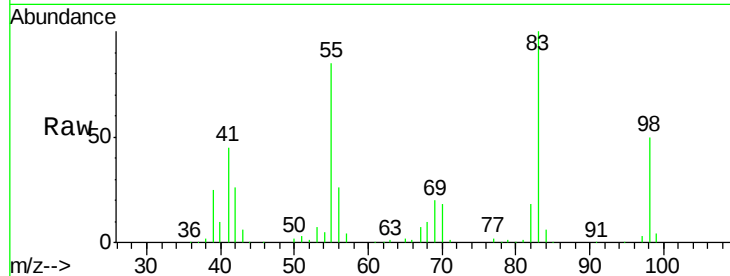
83 100

55 85.4 71.5 107.3

98 49.9 40.3 60.5

Manual Integrations
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Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC

300000

250000

200000

150000

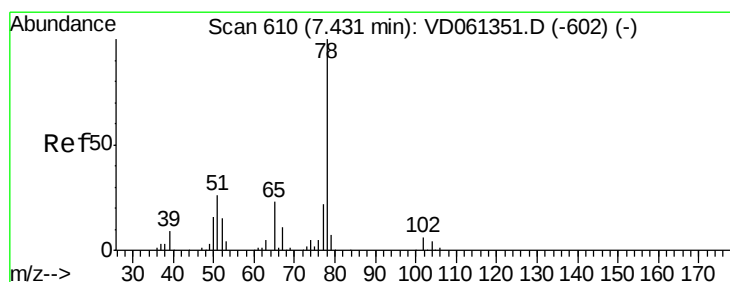
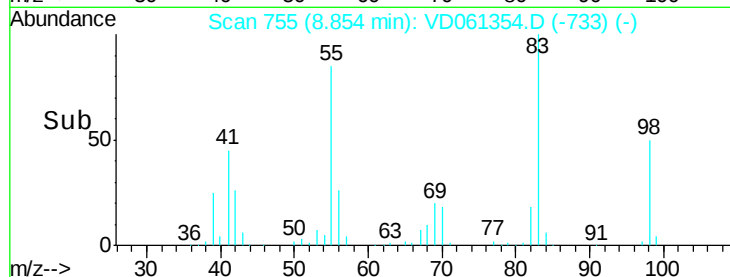
100000

50000

0

8.70 8.80 8.90 9.00

Time-->



#40

Benzene

Concen: 49.380 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.01 min

Lab File: VD061354.D

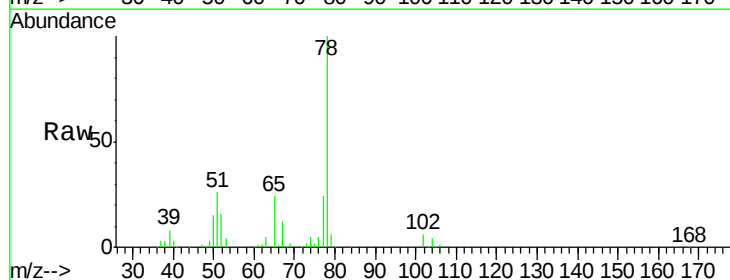
Acq: 27 Mar 2019 15:13

Tgt Ion: 78 Resp: 1545802

Ion Ratio Lower Upper

78 100

77 23.9 17.8 26.6



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

600000

500000

400000

300000

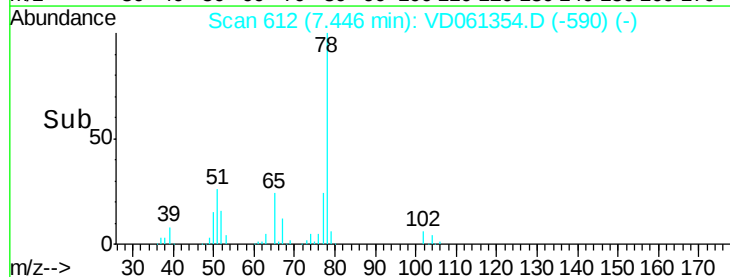
200000

100000

0

7.30 7.40 7.50 7.60

Time-->





#41

Methacrylonitrile

Concen: 50.917 ug/l

RT: 6.43 min Scan# 509

Delta R.T. 0.01 min

Lab File: VD061354.D

Acq: 27 Mar 2019 15:13

Instrument :

MSVOA_D

ClientSampleId :

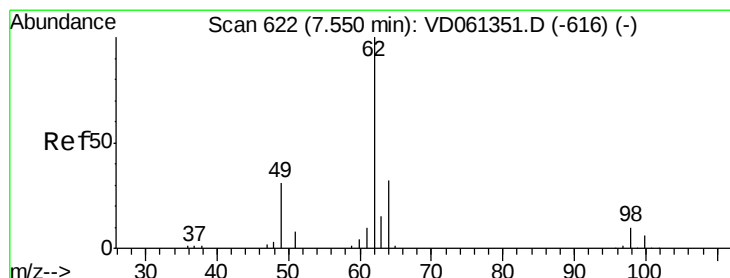
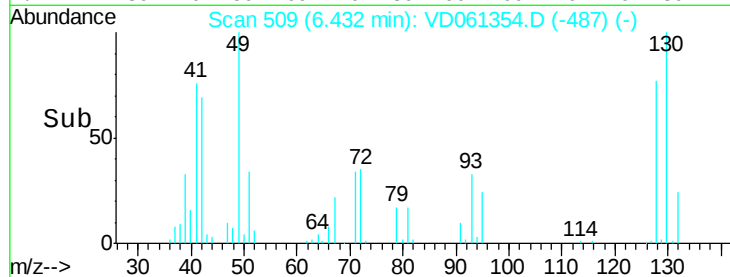
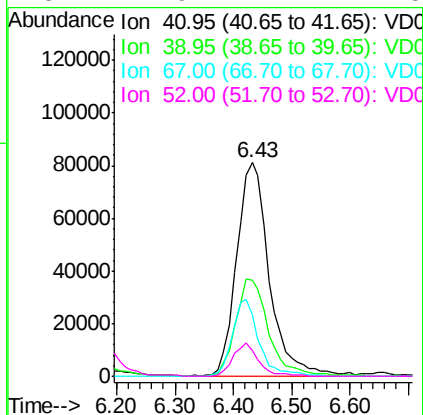
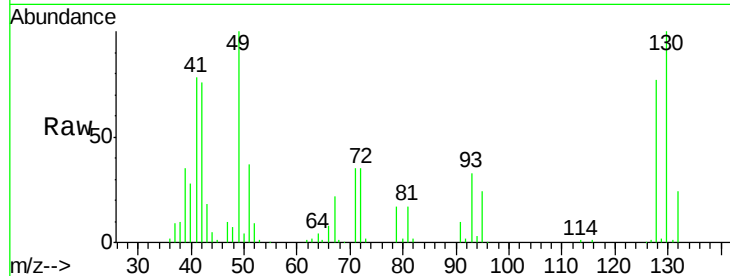
ICVVD032719

Tgt Ion: 41 Resp: 317582
Ion Ratio Lower Upper

41	100		
39	44.7	35.0	52.6
67	28.7	21.0	31.6
52	11.9	7.7	11.5#

Manual Integrations
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3/29/2019 2:00:39 PM



#42

1,2-Dichloroethane

Concen: 50.847 ug/l

RT: 7.56 min Scan# 624

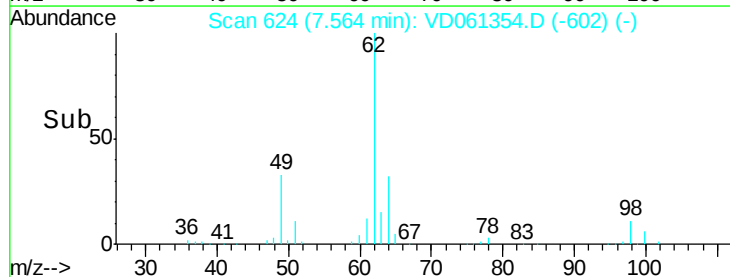
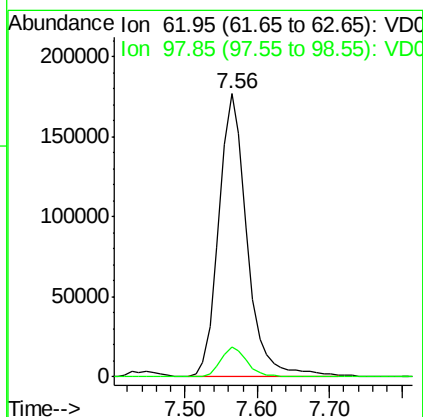
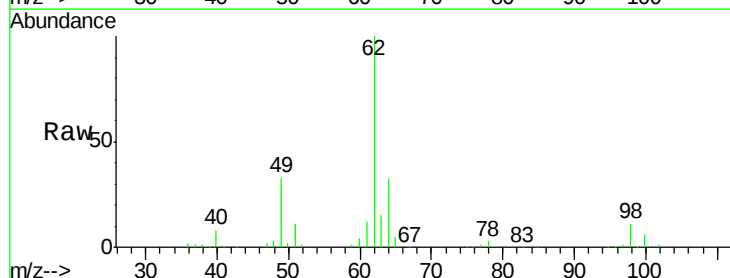
Delta R.T. 0.01 min

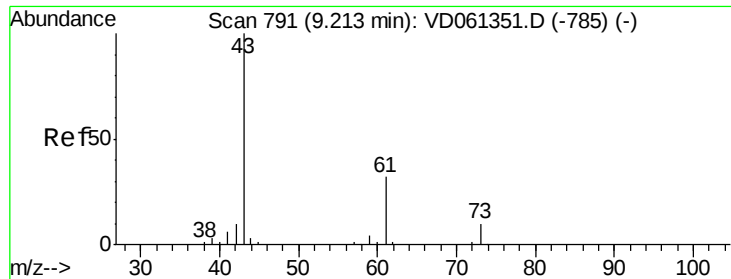
Lab File: VD061354.D

Acq: 27 Mar 2019 15:13

Tgt Ion: 62 Resp: 476123
Ion Ratio Lower Upper

62	100		
98	10.6	0.0	19.8





#43

Isopropyl Acetate

Concen: 53.054 ug/l

RT: 9.22 min Scan# 792

Delta R.T. 0.00 min

Lab File: VD061354.D

Acq: 27 Mar 2019 15:13

Instrument :

MSVOA_D

ClientSampleId :

ICVVD032719

Tgt Ion: 43 Resp: 411782

Ion Ratio Lower Upper

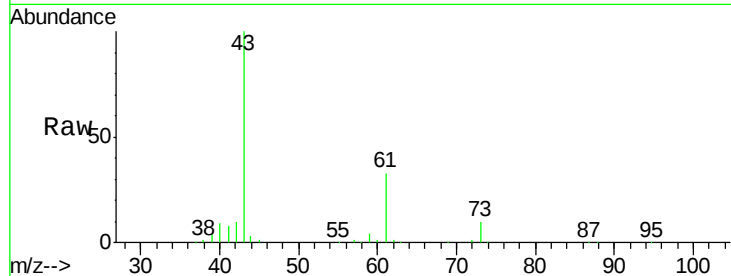
43 100

61 33.0 25.8 38.6

87 0.2 0.0 0.0#

Manual Integrations
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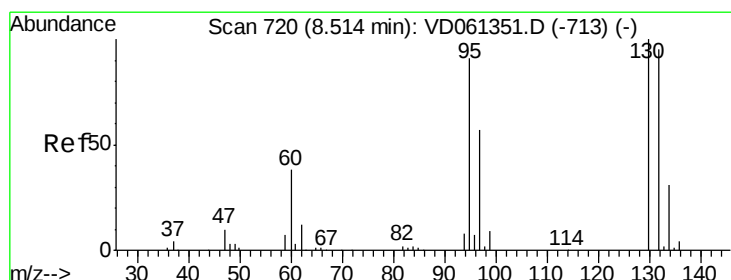
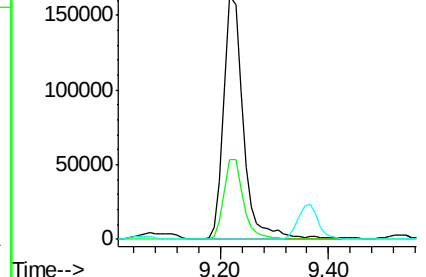
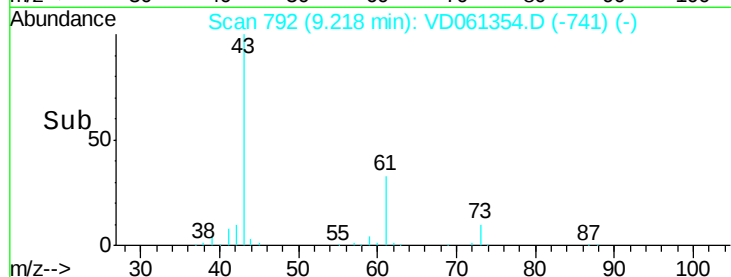
MMDadoda
3/29/2019 2:00:39 PM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 49.689 ug/l

RT: 8.53 min Scan# 722

Delta R.T. 0.01 min

Lab File: VD061354.D

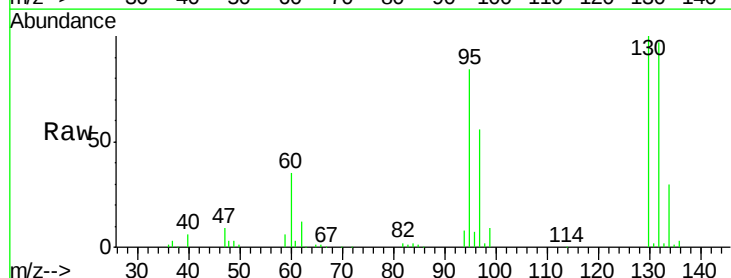
Acq: 27 Mar 2019 15:13

Tgt Ion: 130 Resp: 578865

Ion Ratio Lower Upper

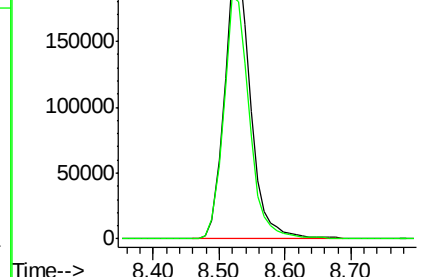
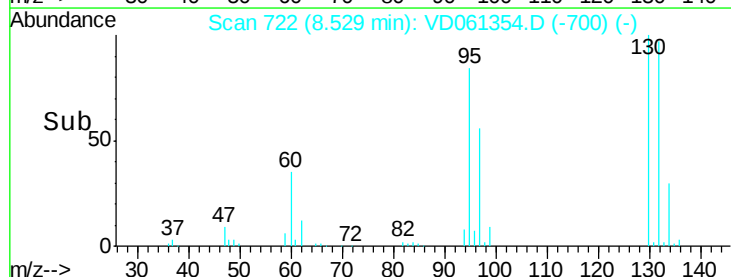
130 100

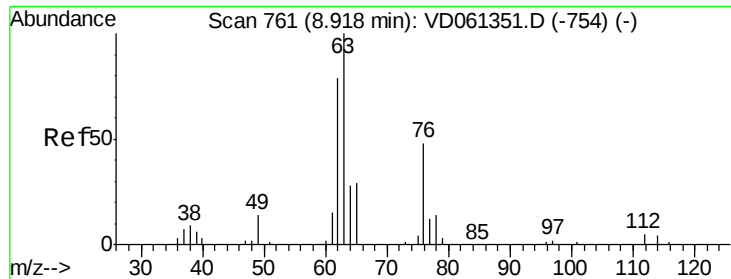
95 83.9 0.0 181.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 50.364 ug/l

RT: 8.92 min Scan# 762

Delta R.T. 0.00 min

Lab File: VD061354.D

Acq: 27 Mar 2019 15:13

Instrument :

MSVOA_D

ClientSampleId :

ICVVD032719

Tgt Ion: 63 Resp: 399784

Ion Ratio Lower Upper

63 100

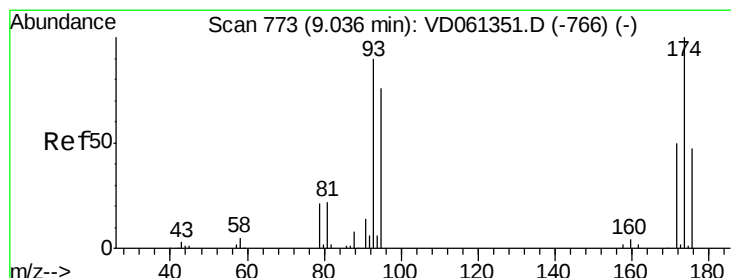
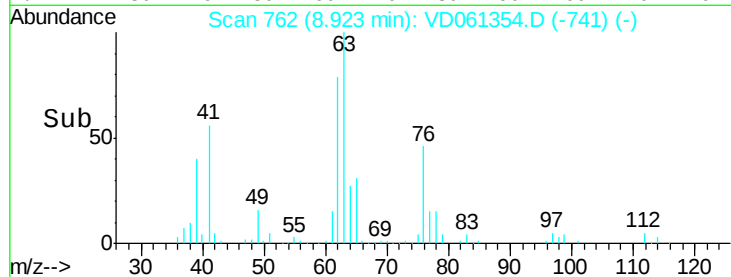
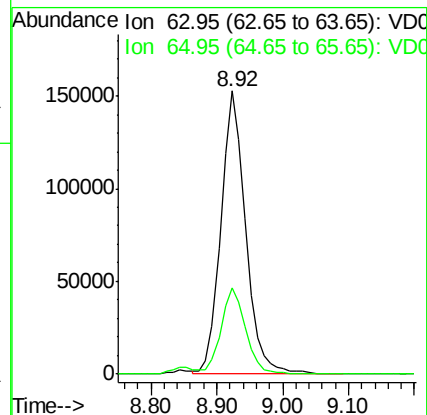
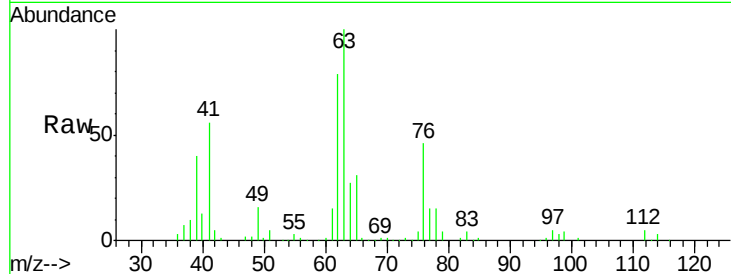
65 30.7 25.0 37.4

Manual Integrations

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#46

Dibromomethane

Concen: 51.593 ug/l

RT: 9.05 min Scan# 775

Delta R.T. 0.01 min

Lab File: VD061354.D

Acq: 27 Mar 2019 15:13

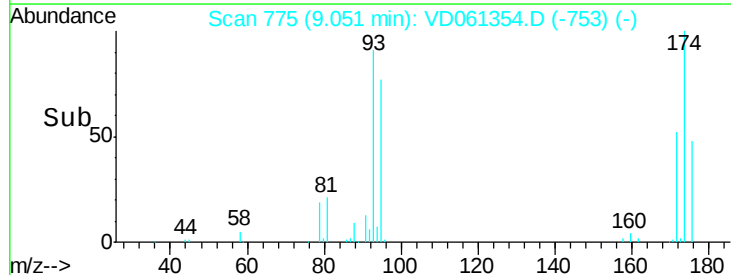
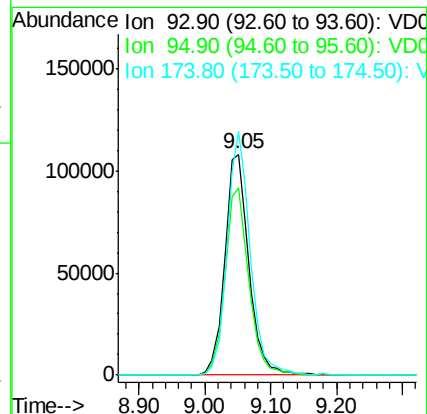
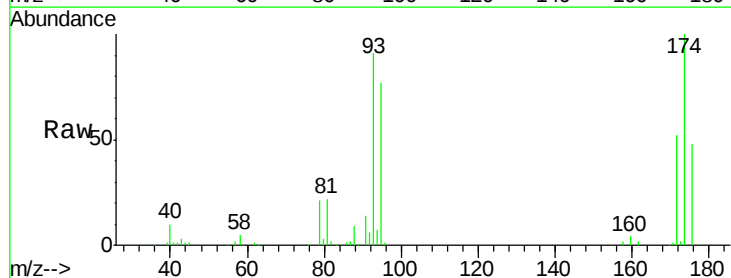
Tgt Ion: 93 Resp: 275650

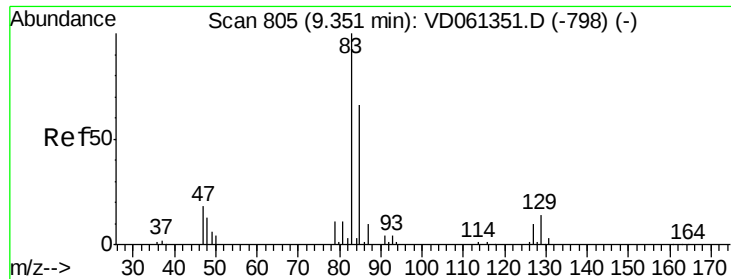
Ion Ratio Lower Upper

93 100

95 84.7 67.4 101.0

174 110.2 88.9 133.3





#47

Bromodichloromethane

Concen: 48.374 ug/l

RT: 9.37 min Scan# 807

Delta R.T. 0.01 min

Lab File: VD061354.D

Acq: 27 Mar 2019 15:13

Instrument :

MSVOA_D

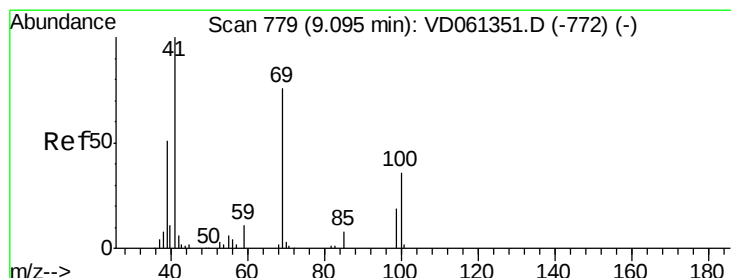
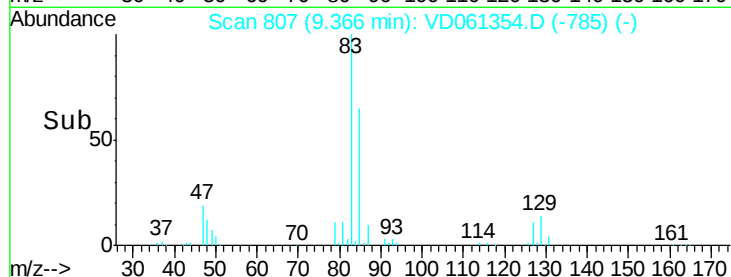
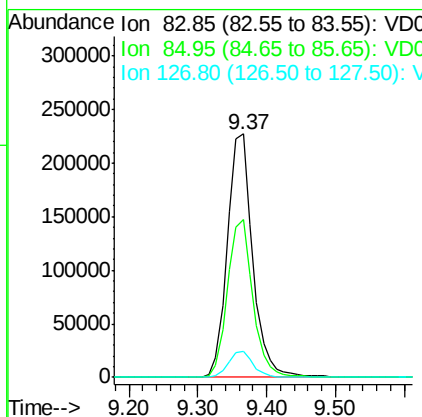
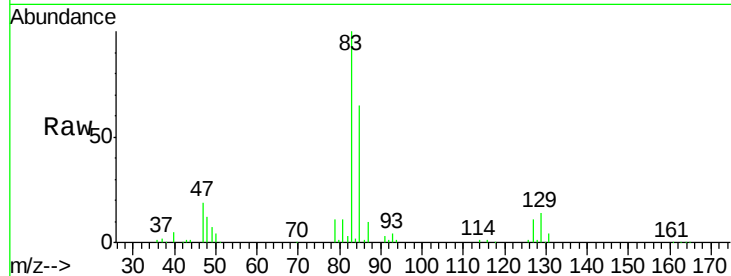
ClientSampleId :

ICVVD032719

Tgt Ion:	83	Resp:	580080
Ion	Ratio	Lower	Upper
83	100		
85	64.6	53.0	79.4
127	10.6	8.4	12.6

Manual Integrations
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3/29/2019 2:00:39 PM



#48

Methyl methacrylate

Concen: 52.083 ug/l

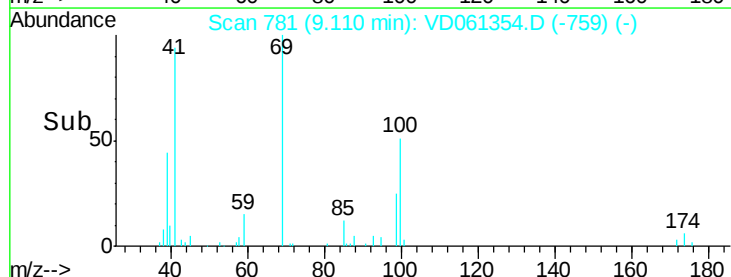
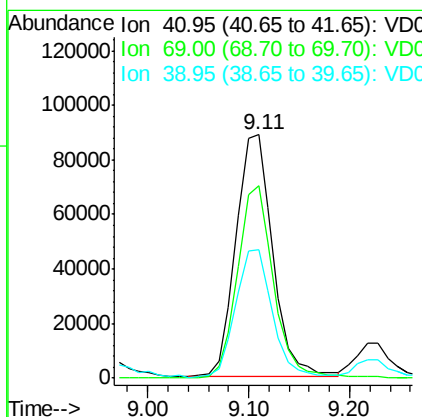
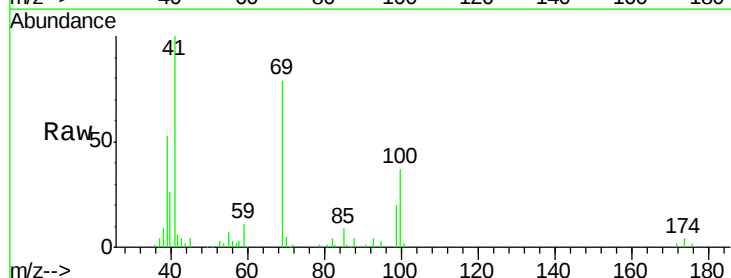
RT: 9.11 min Scan# 781

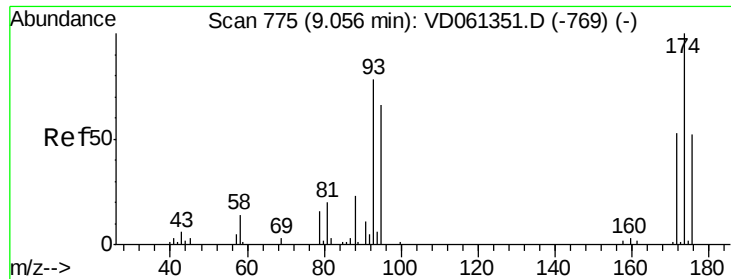
Delta R.T. 0.01 min

Lab File: VD061354.D

Acq: 27 Mar 2019 15:13

Tgt Ion:	41	Resp:	223096
Ion	Ratio	Lower	Upper
41	100		
69	78.8	60.2	90.4
39	52.7	41.4	62.2





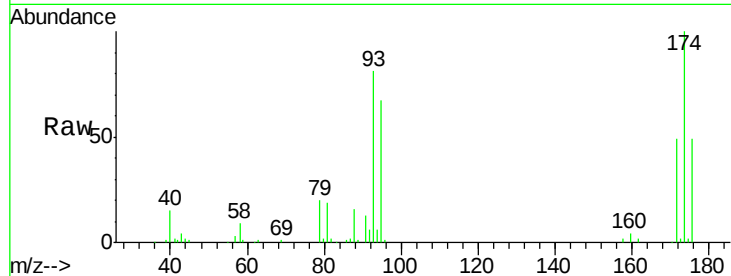
#49
1,4-Dioxane
Concen: 1058.022 ug/l
RT: 9.06 min Scan# 776
Delta R.T. 0.00 min
Lab File: VD061354.D
Acq: 27 Mar 2019 15:13

Instrument :
MSVOA_D
ClientSampleId :
ICVVD032719

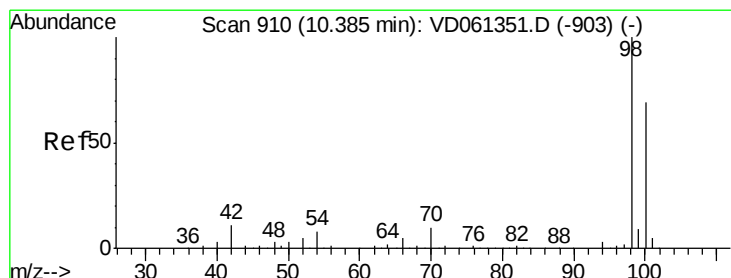
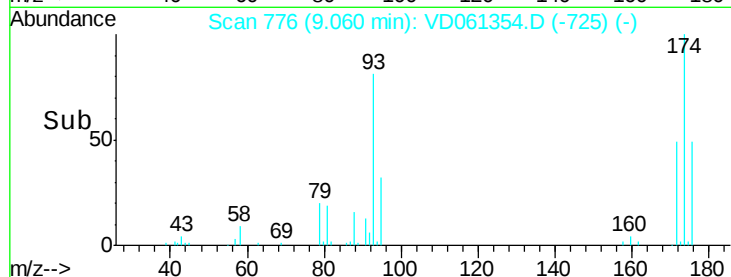
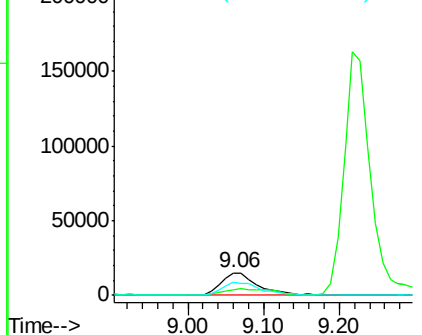
Tgt Ion	Ratio	Lower	Upper
88	100		
43	27.1	23.3	34.9
58	57.1	50.8	76.2

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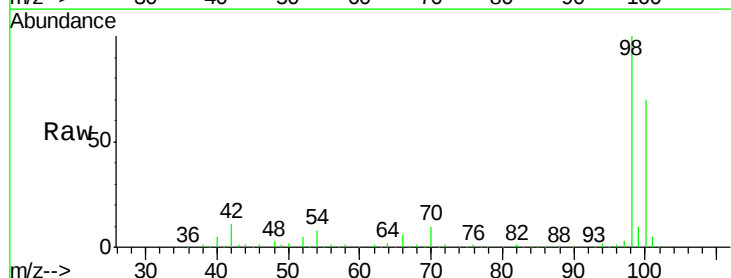


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

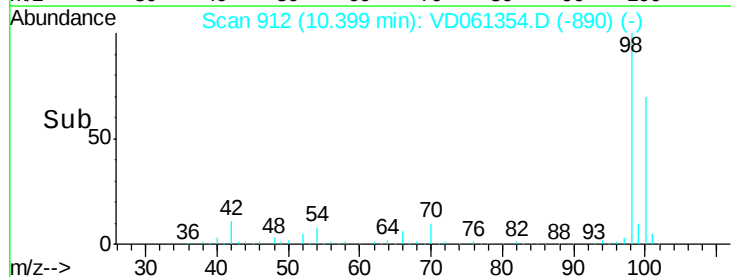
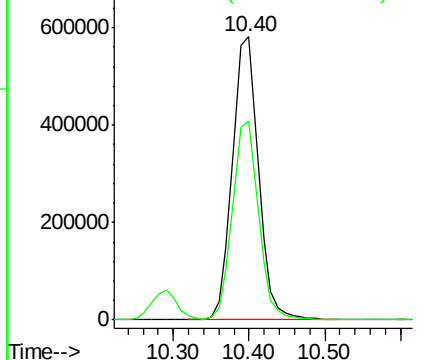


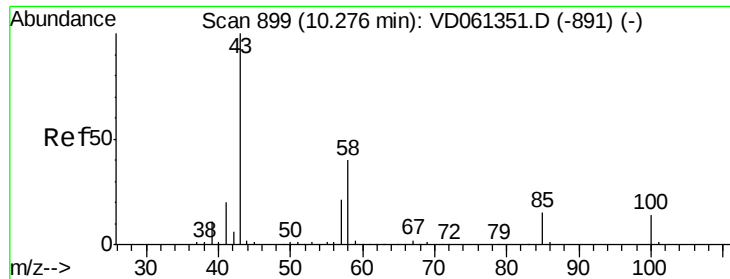
#50
Toluene-d8
Concen: 1058.022 ug/l
RT: 10.40 min Scan# 912
Delta R.T. 0.01 min
Lab File: VD061354.D
Acq: 27 Mar 2019 15:13

Tgt Ion	Ratio	Lower	Upper
98	100		
100	70.5	56.2	84.2



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





#51

4-Methyl-2-Pentanone

Concen: 237.108 ug/l

RT: 10.28 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD061354.D

Acq: 27 Mar 2019 15:13

Instrument :

MSVOA_D

ClientSampled :

ICVVD032719

Tgt Ion: 43 Resp: 1119638

Ion Ratio Lower Upper

43 100

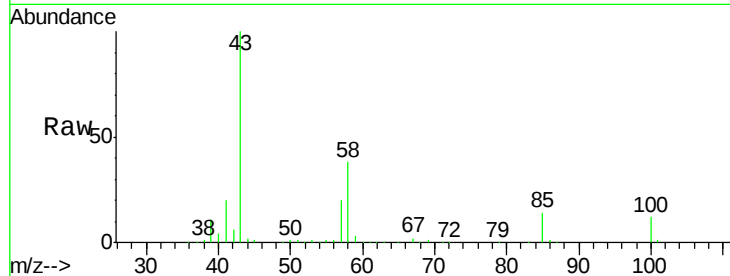
58 38.2 31.8 47.8

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.28

400000

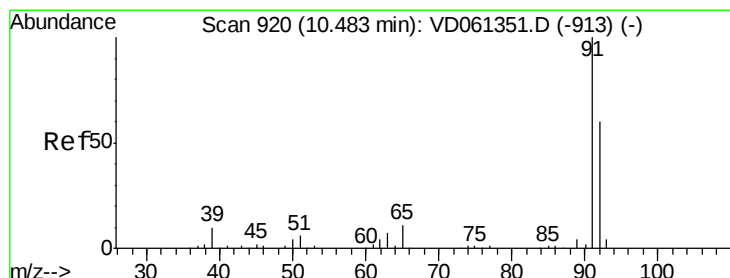
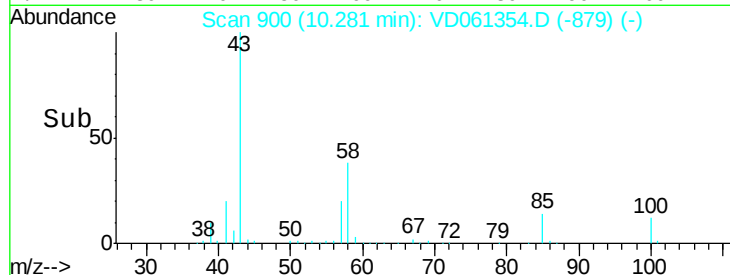
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 51.489 ug/l

RT: 10.50 min Scan# 922

Delta R.T. 0.01 min

Lab File: VD061354.D

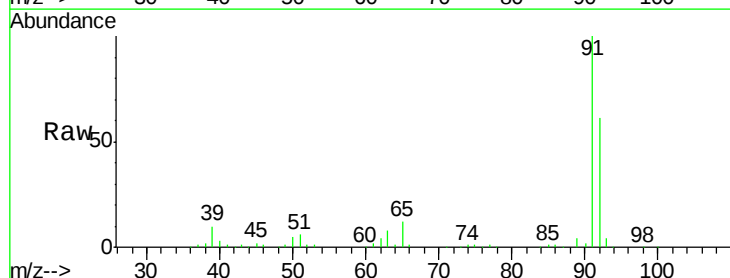
Acq: 27 Mar 2019 15:13

Tgt Ion: 92 Resp: 983328

Ion Ratio Lower Upper

92 100

91 162.8 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.50

800000

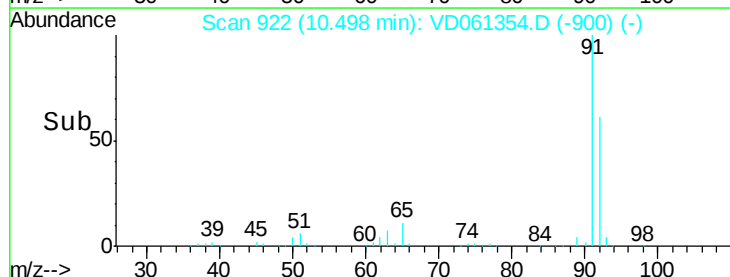
600000

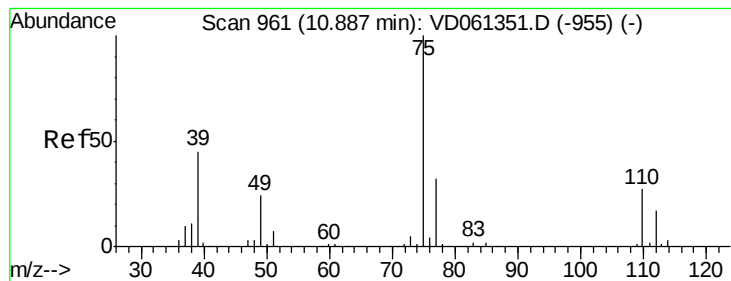
400000

200000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 49.862 ug/l

RT: 10.90 min Scan# 963

Delta R.T. 0.01 min

Lab File: VD061354.D

Acq: 27 Mar 2019 15:13

Instrument :

MSVOA_D

ClientSampleID :

ICVVD032719

Tgt Ion: 75 Resp: 543249

Ion Ratio Lower Upper

75 100

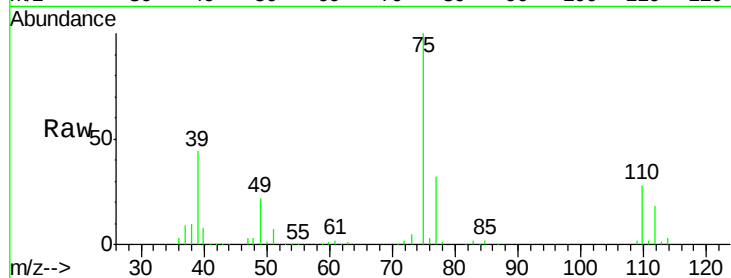
77 31.7 25.4 38.2

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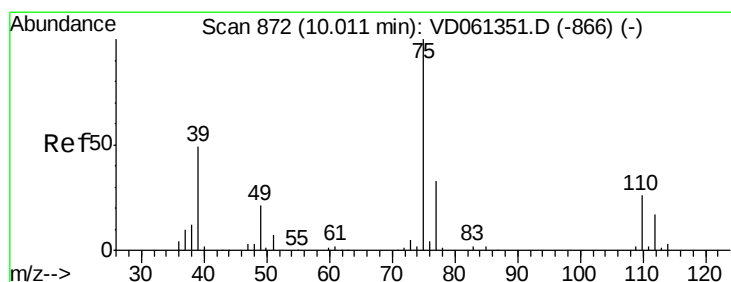
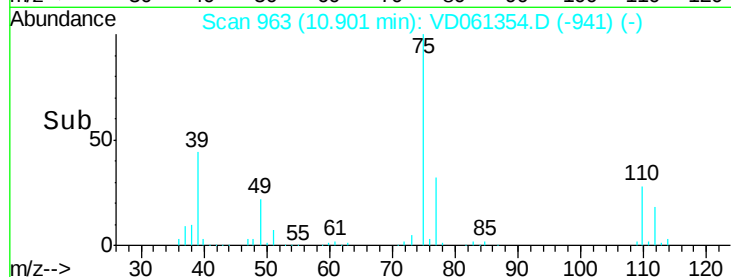
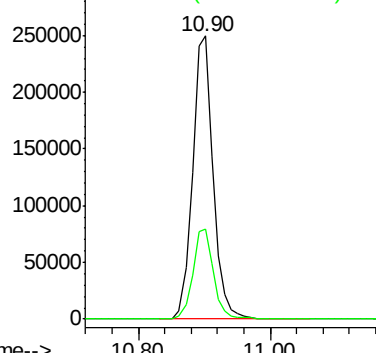
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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 50.911 ug/l

RT: 10.03 min Scan# 874

Delta R.T. 0.01 min

Lab File: VD061354.D

Acq: 27 Mar 2019 15:13

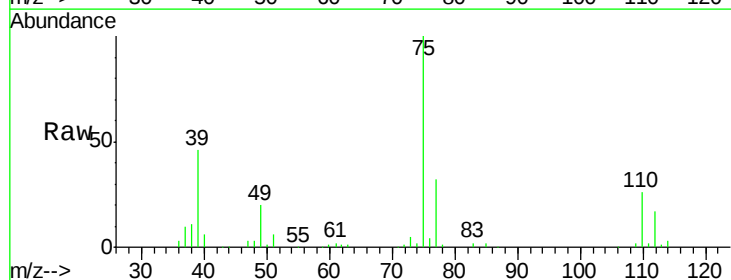
Tgt Ion: 75 Resp: 675400

Ion Ratio Lower Upper

75 100

77 31.6 26.2 39.4

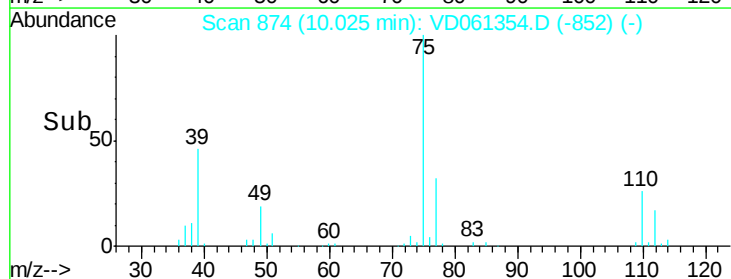
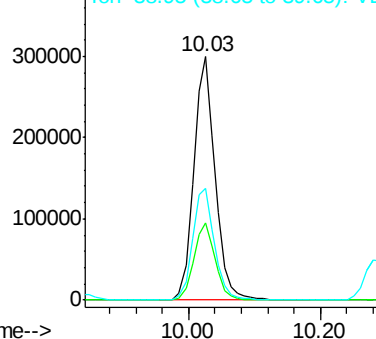
39 45.9 39.4 59.0

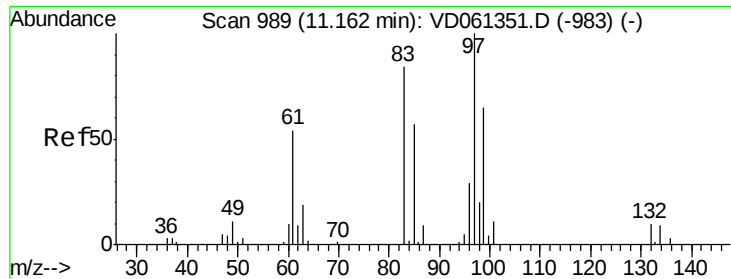


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





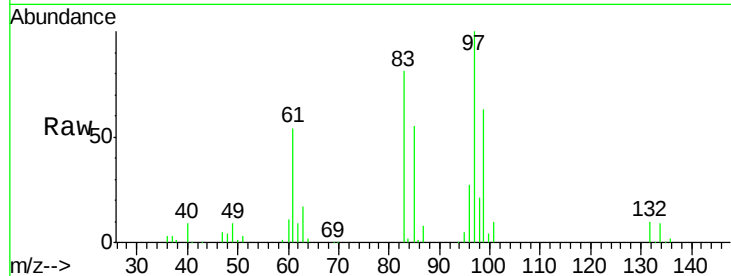
#55
 1,1,2-Trichloroethane
 Concen: 49.718 ug/l
 RT: 11.17 min Scan# 990
 Delta R.T. 0.00 min
 Lab File: VD061354.D
 Acq: 27 Mar 2019 15:13

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD032719

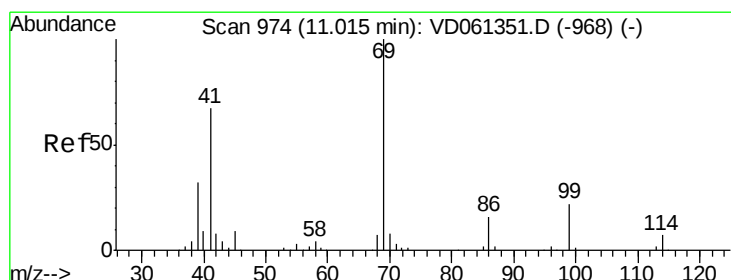
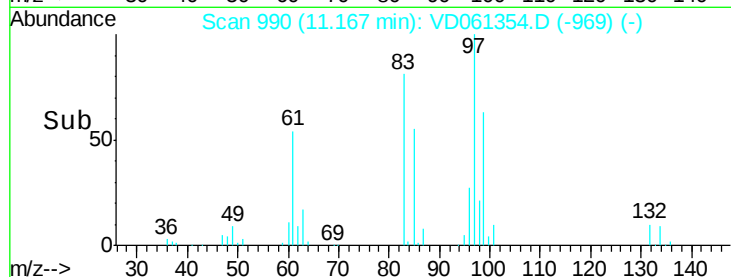
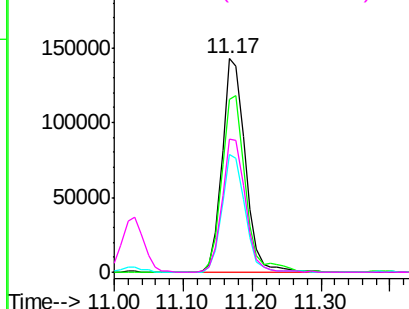
Tgt Ion:	97	Resp:	332061
Ion	Ratio	Lower	Upper
97	100		
83	81.0	67.0	100.6
85	54.9	45.4	68.2
99	62.5	51.9	77.9

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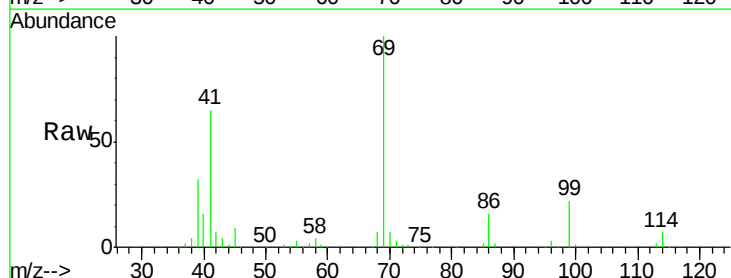


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

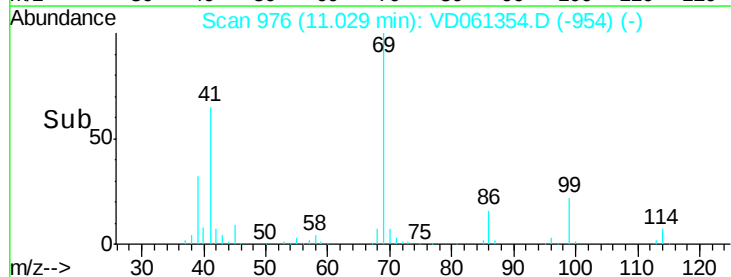
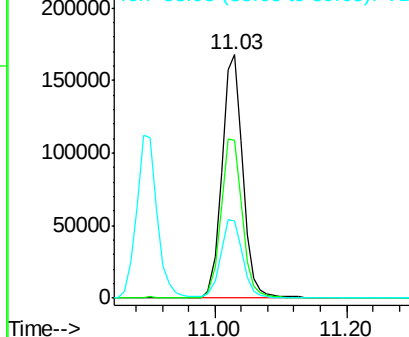


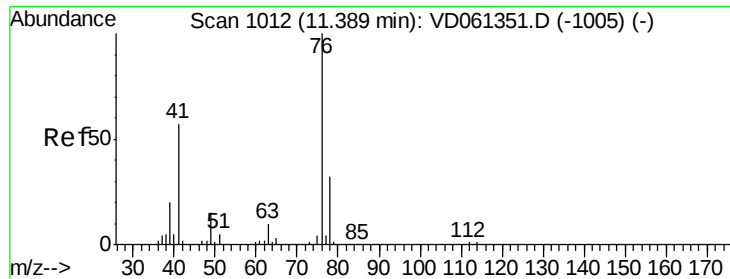
#56
 Ethyl methacrylate
 Concen: 51.678 ug/l
 RT: 11.03 min Scan# 976
 Delta R.T. 0.01 min
 Lab File: VD061354.D
 Acq: 27 Mar 2019 15:13

Tgt Ion:	69	Resp:	370788
Ion	Ratio	Lower	Upper
69	100		
41	64.8	53.8	80.6
39	31.6	26.4	39.6



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.05 (40.75 to 41.75): VDC
 Ion 38.95 (38.65 to 39.65): VDC





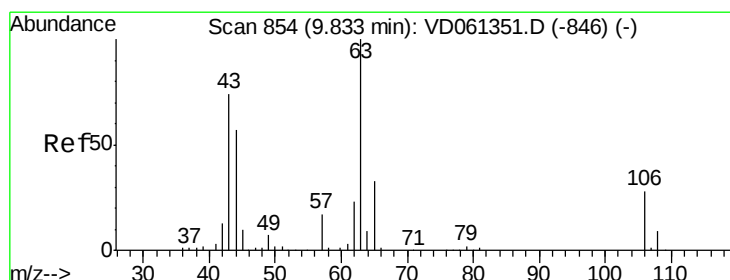
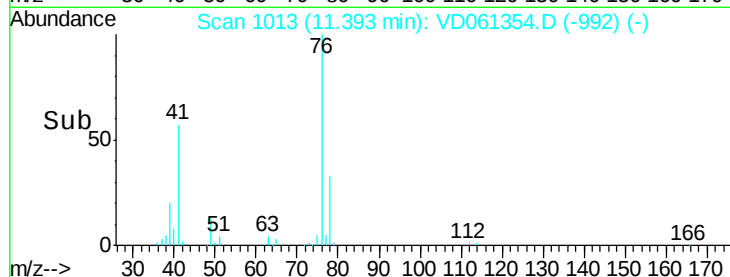
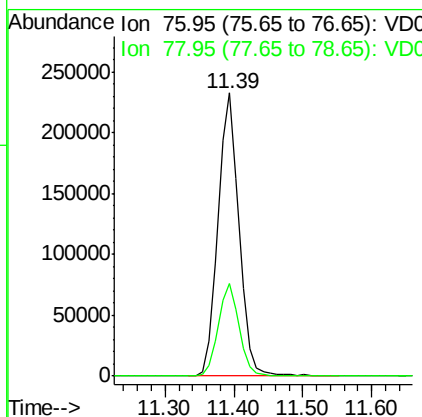
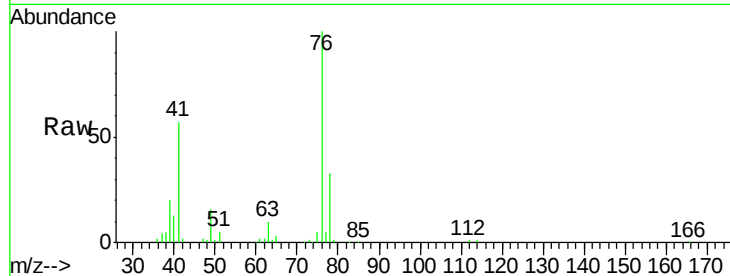
#57
 1,3-Dichloropropane
 Concen: 49.792 ug/l
 RT: 11.39 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VD061354.D
 Acq: 27 Mar 2019 15:13

Instrument :
 MSVOA_D
 ClientSampled :
 ICVVD032719

Tgt Ion: 76 Resp: 488796
 Ion Ratio Lower Upper
 76 100
 78 32.9 25.4 38.0

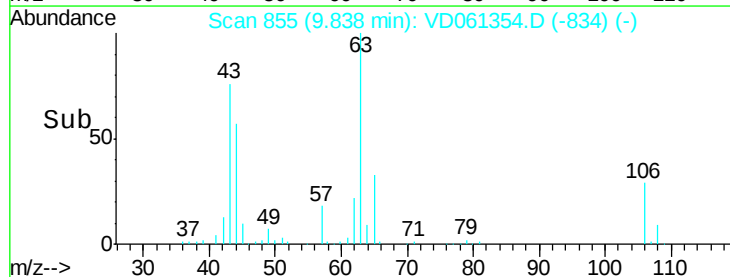
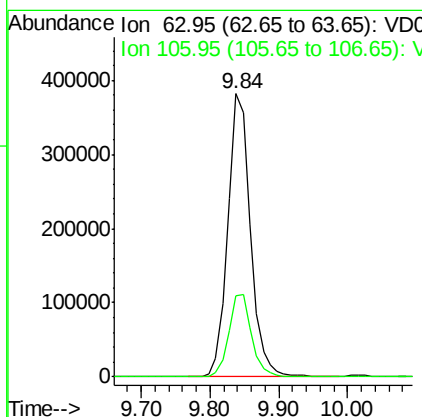
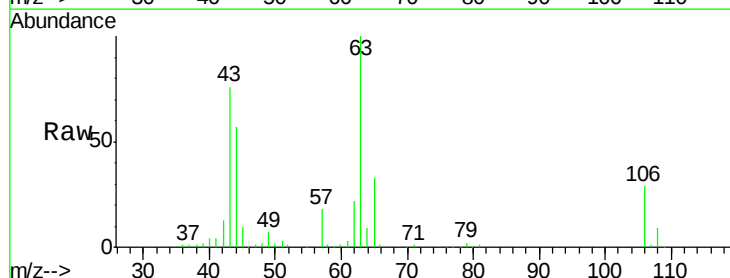
Manual Integrations
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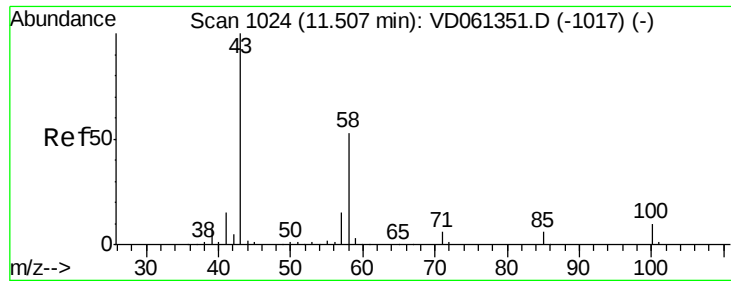
MMDadoda
 3/29/2019 2:00:39 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 249.146 ug/l
 RT: 9.84 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: VD061354.D
 Acq: 27 Mar 2019 15:13

Tgt Ion: 63 Resp: 870561
 Ion Ratio Lower Upper
 63 100
 106 28.8 22.4 33.6





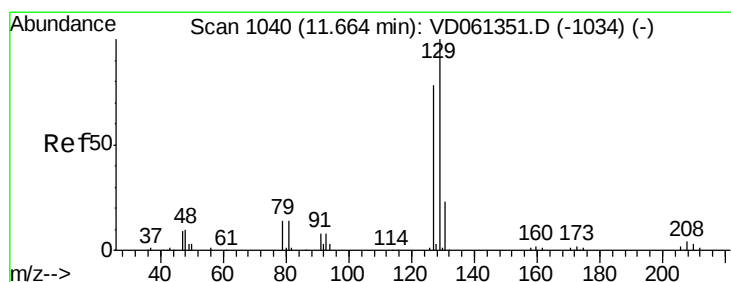
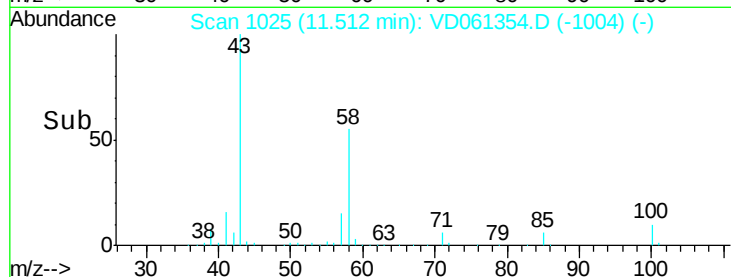
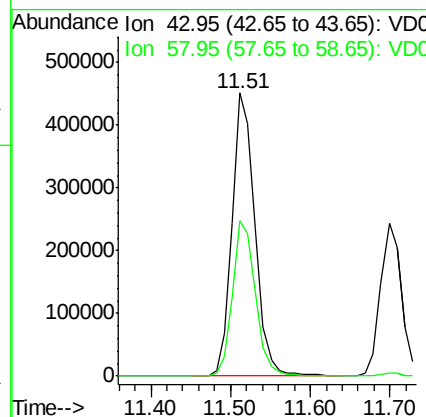
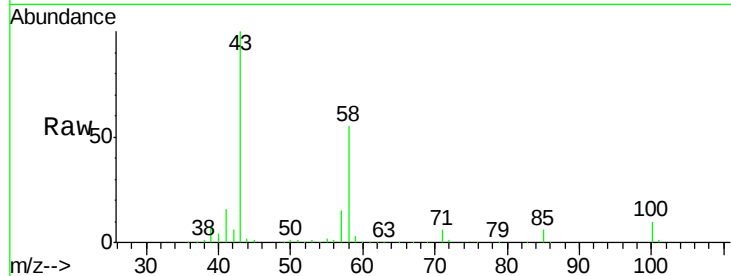
#59
2-Hexanone
Concen: 266.759 ug/l
RT: 11.51 min Scan# 1025
Delta R.T. 0.00 min
Lab File: VD061354.D
Acq: 27 Mar 2019 15:13

Instrument :
MSVOA_D
ClientSampleId :
ICVVD032719

Tgt Ion: 43 Resp: 912656
Ion Ratio Lower Upper
43 100
58 54.8 26.3 78.9

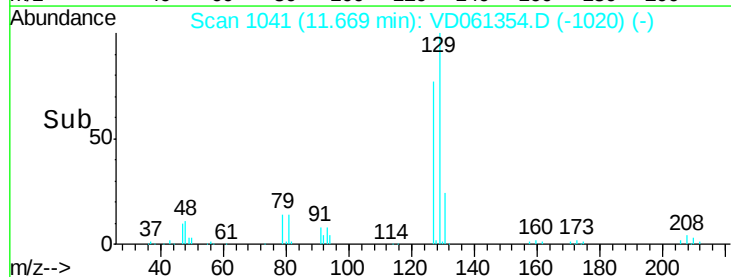
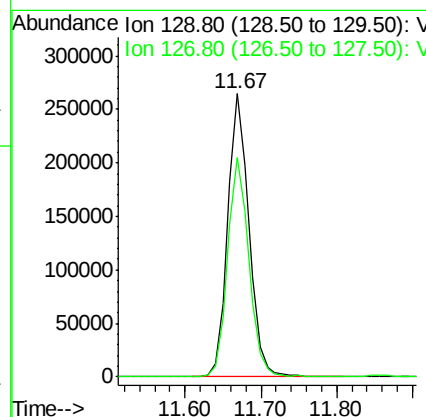
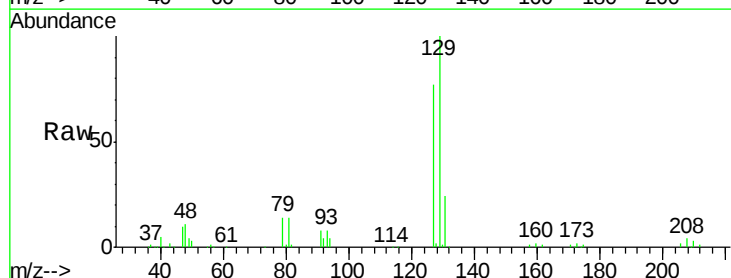
Manual Integrations
APPROVED

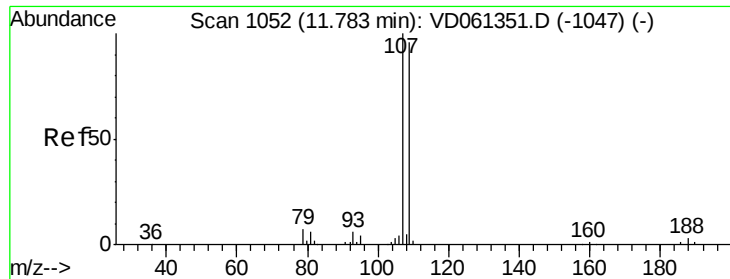
MMDadoda
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#60
Dibromochloromethane
Concen: 49.868 ug/l
RT: 11.67 min Scan# 1041
Delta R.T. 0.00 min
Lab File: VD061354.D
Acq: 27 Mar 2019 15:13

Tgt Ion: 129 Resp: 513460
Ion Ratio Lower Upper
129 100
127 77.4 39.0 116.9





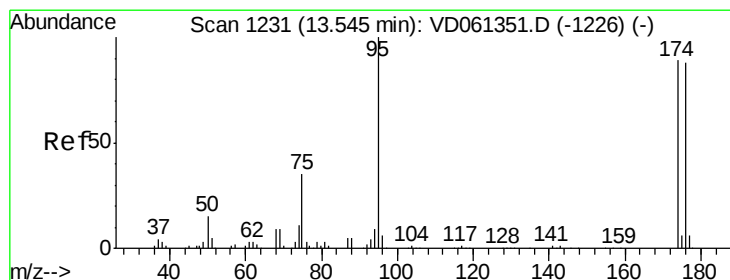
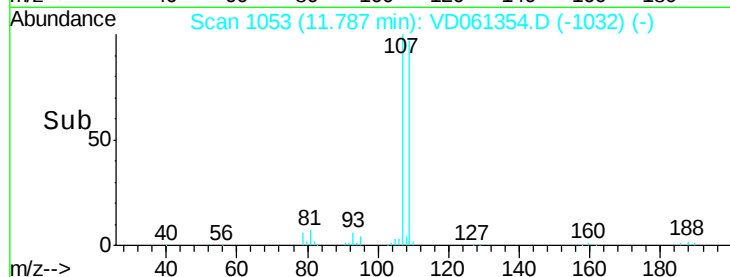
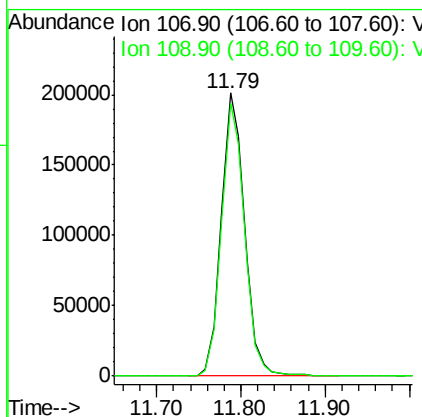
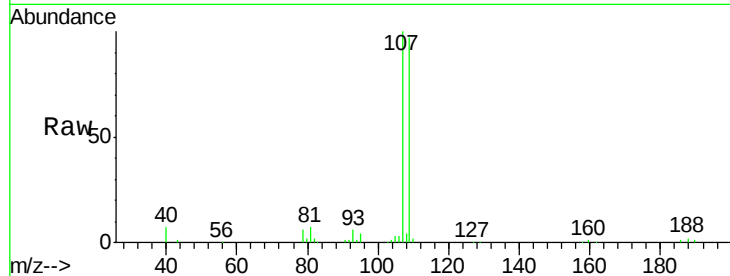
#61
 1,2-Dibromoethane
 Concen: 49.864 ug/l
 RT: 11.79 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD061354.D
 Acq: 27 Mar 2019 15:13

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD032719

Tgt Ion: 107 Resp: 385643
 Ion Ratio Lower Upper
 107 100
 109 96.5 76.6 114.8

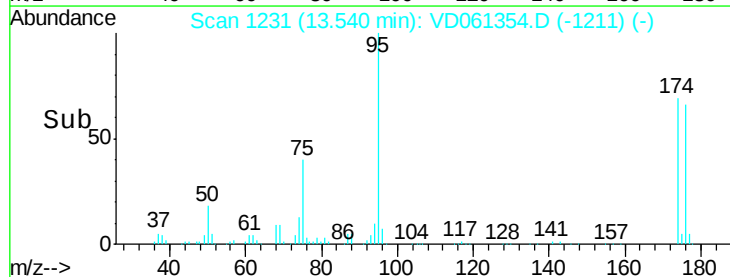
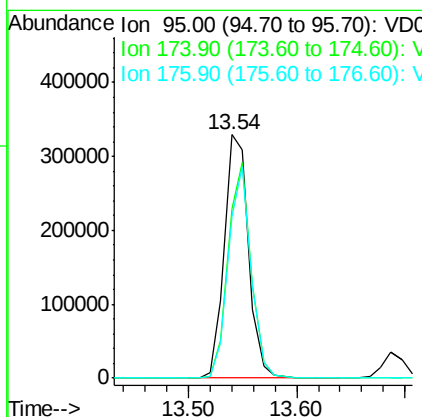
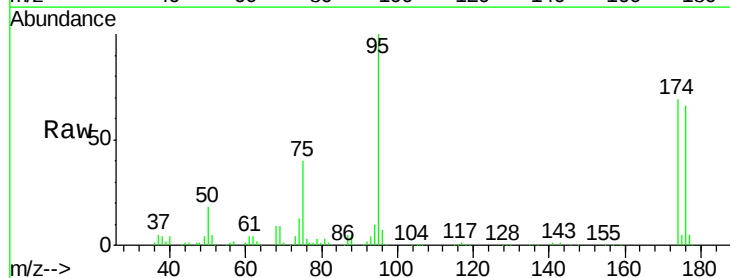
Manual Integrations
 APPROVED

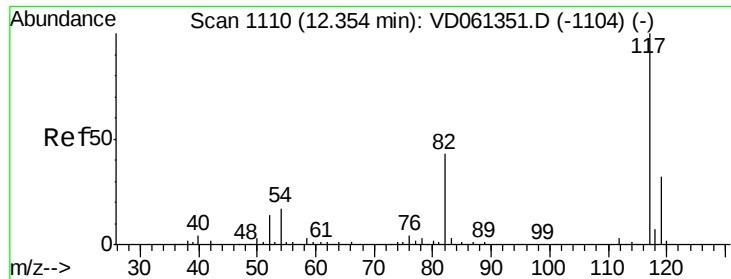
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 49.864 ug/l
 RT: 13.54 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: VD061354.D
 Acq: 27 Mar 2019 15:13

Tgt Ion: 95 Resp: 512888
 Ion Ratio Lower Upper
 95 100
 174 69.5 0.0 178.0
 176 66.4 0.0 175.0





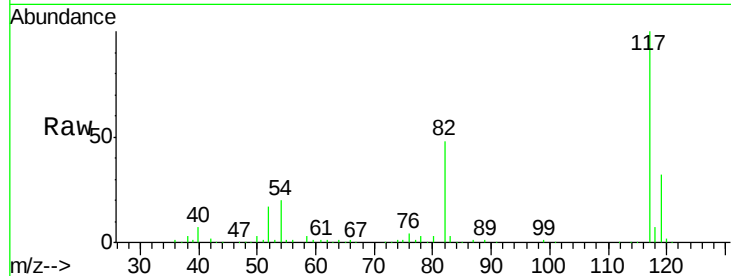
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. -0.01 min
Lab File: VD061354.D
Acq: 27 Mar 2019 15:13

Instrument :
MSVOA_D
ClientSampleId :
ICVVD032719

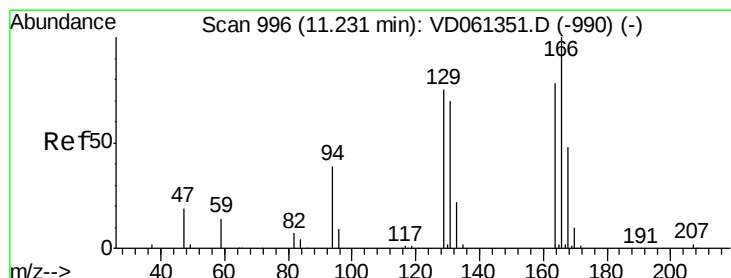
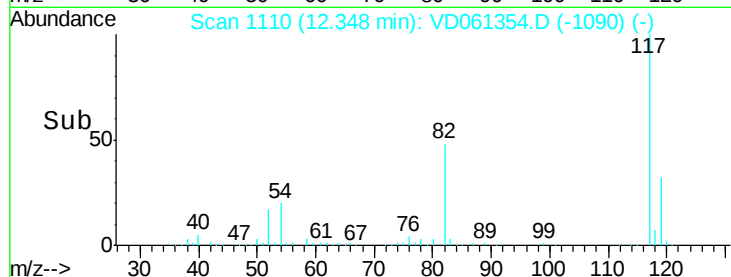
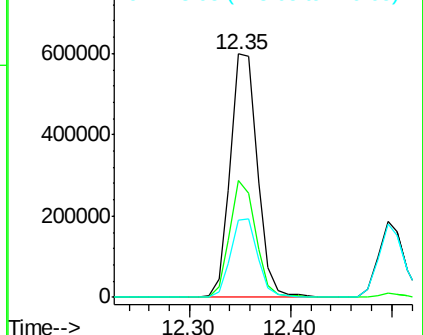
Tgt Ion:117 Resp: 1121269
Ion Ratio Lower Upper
117 100
82 48.1 34.4 51.6
119 32.0 25.8 38.6

Manual Integrations
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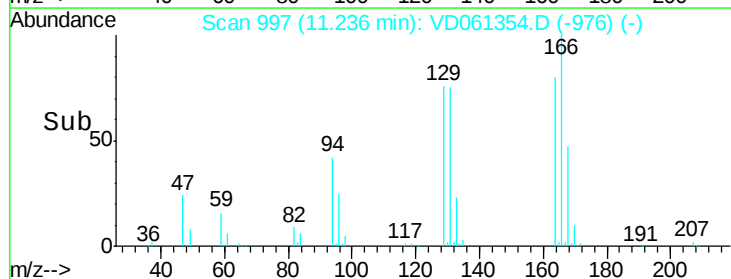
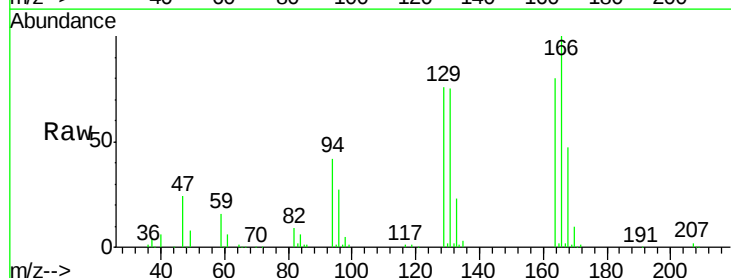
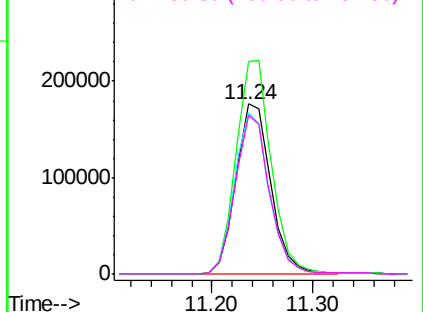
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

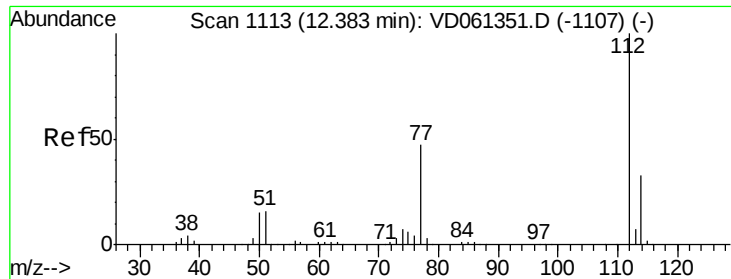


#64
Tetrachloroethene
Concen: 48.300 ug/l
RT: 11.24 min Scan# 997
Delta R.T. 0.00 min
Lab File: VD061354.D
Acq: 27 Mar 2019 15:13

Tgt Ion:164 Resp: 425042
Ion Ratio Lower Upper
164 100
166 124.7 102.4 153.6
129 95.0 76.8 115.2
131 93.1 71.8 107.6

Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





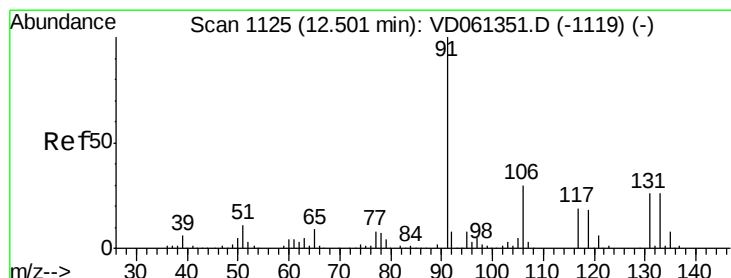
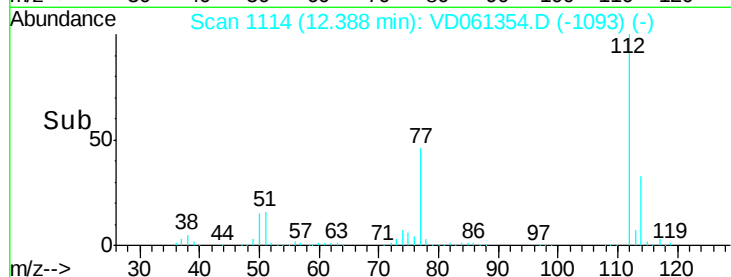
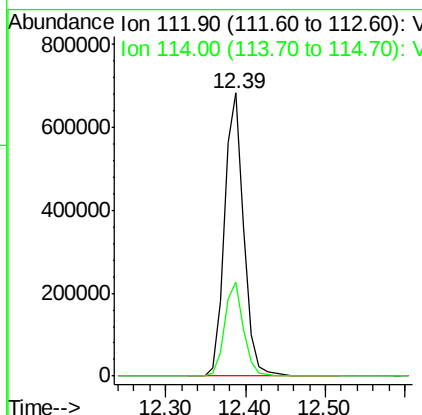
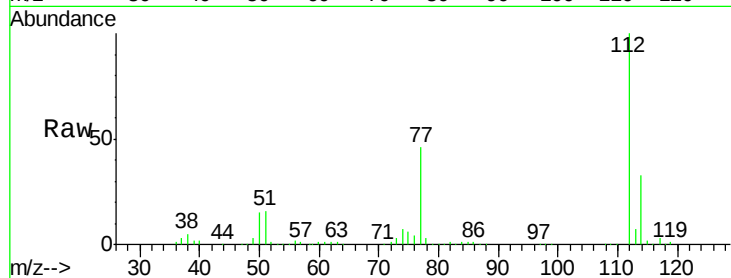
#65
Chlorobenzene
Concen: 50.504 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VD061354.D
Acq: 27 Mar 2019 15:13

Instrument :
MSVOA_D
ClientSampleId :
ICVVD032719

Tgt Ion:112 Resp: 1157297
Ion Ratio Lower Upper
112 100
114 33.3 26.6 39.8

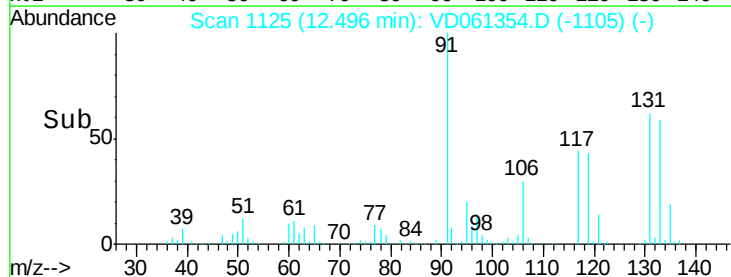
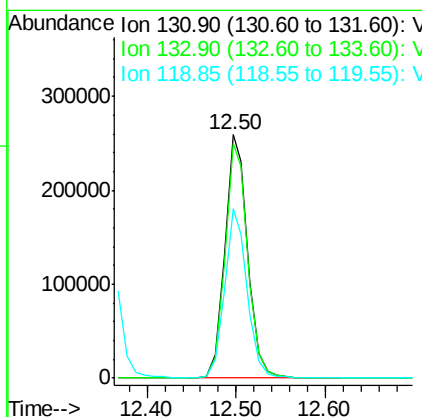
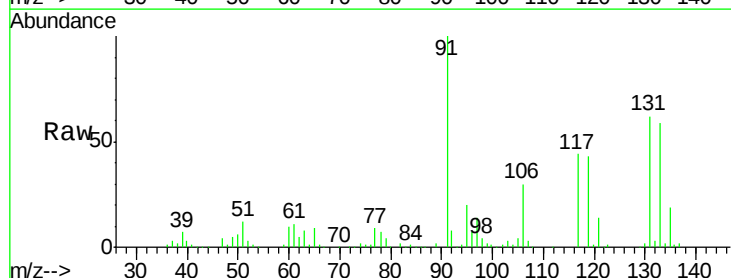
Manual Integrations
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.253 ug/l
RT: 12.50 min Scan# 1125
Delta R.T. -0.01 min
Lab File: VD061354.D
Acq: 27 Mar 2019 15:13

Tgt Ion:131 Resp: 463610
Ion Ratio Lower Upper
131 100
133 96.4 49.4 148.2
119 69.5 34.1 102.2





#67

Ethyl Benzene

Concen: 51.110 ug/l

RT: 12.51 min Scan# 1126

Delta R.T. -0.01 min

Lab File: VD061354.D

Acq: 27 Mar 2019 15:13

Instrument :

MSVOA_D

ClientSampled :

ICVVD032719

Tgt Ion: 91 Resp: 1787647

Ion Ratio Lower Upper

91 100

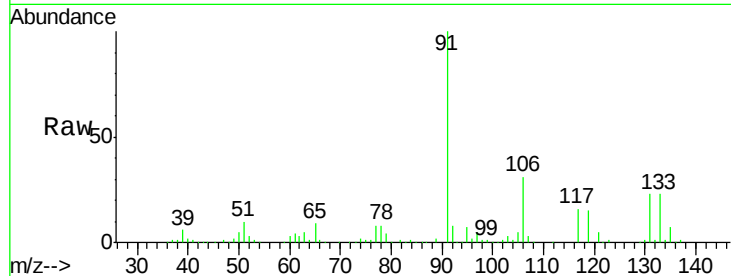
106 31.1 26.1 39.1

Manual Integrations

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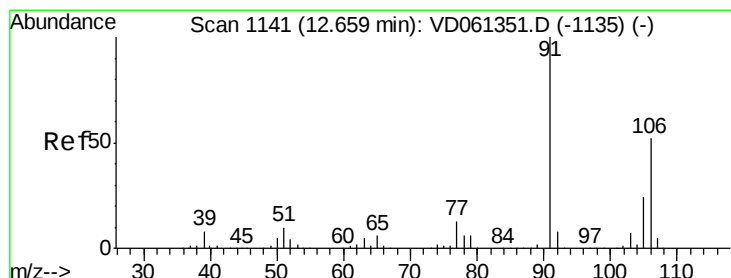
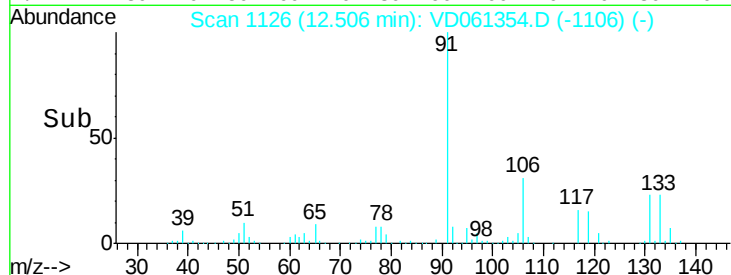
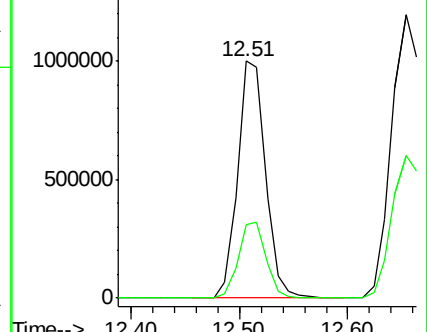
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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.05 (105.75 to 106.75): V



#68

m/p-Xylenes

Concen: 94.665 ug/l

RT: 12.65 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VD061354.D

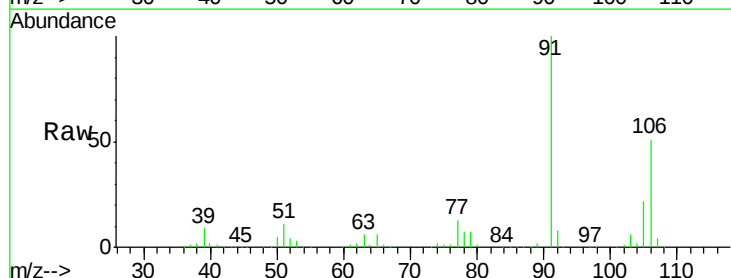
Acq: 27 Mar 2019 15:13

Tgt Ion:106 Resp: 1254251

Ion Ratio Lower Upper

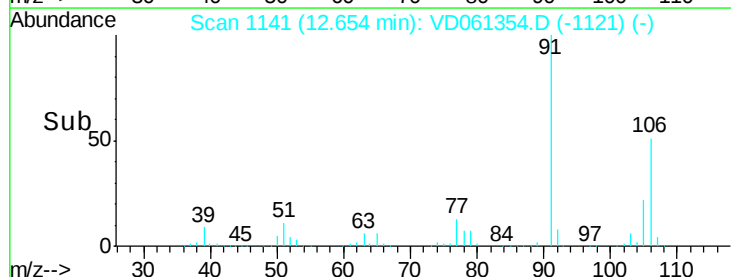
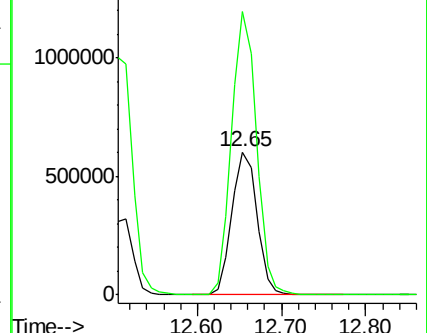
106 100

91 197.9 153.1 229.7



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): V





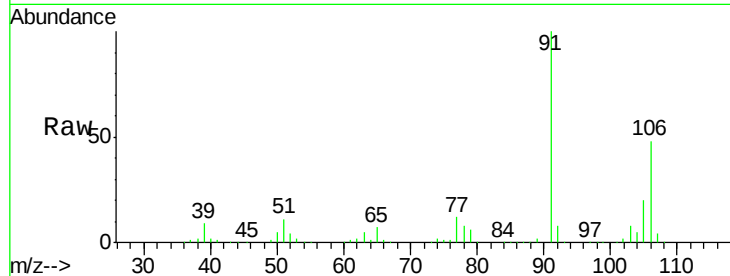
#69
o-Xylene
Concen: 49.859 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VD061354.D
Acq: 27 Mar 2019 15:13

Instrument :
MSVOA_D
ClientSampleId :
ICVVD032719

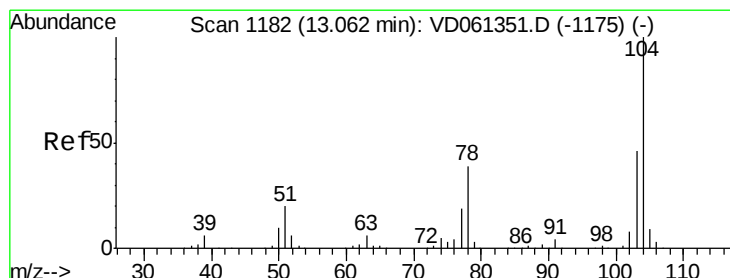
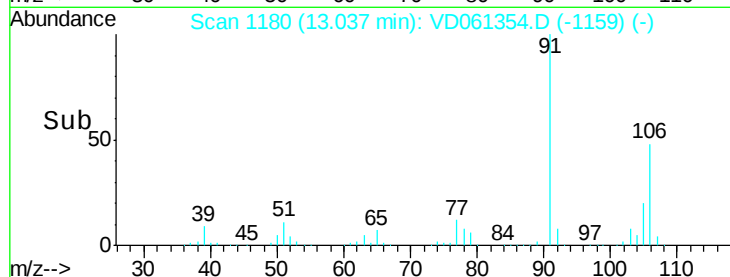
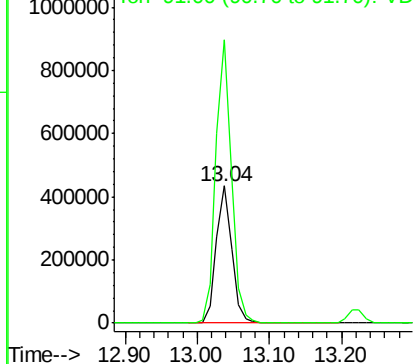
Tgt Ion:106 Resp: 641061
Ion Ratio Lower Upper
106 100
91 206.8 103.8 311.3

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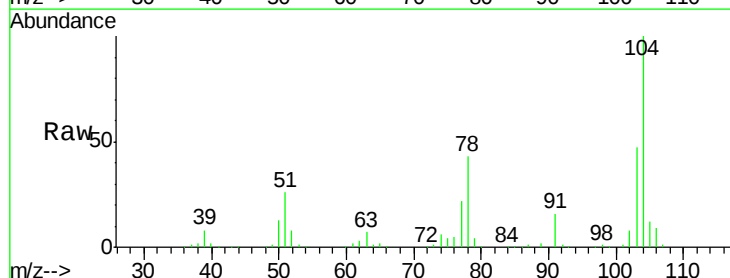


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

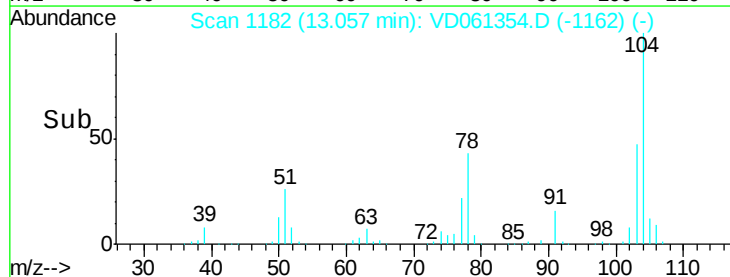
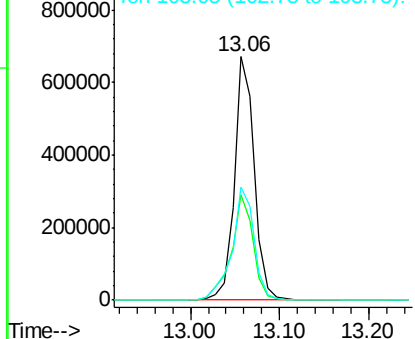


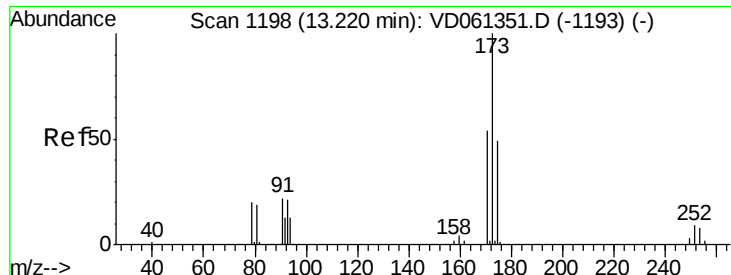
#70
Styrene
Concen: 46.656 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. -0.01 min
Lab File: VD061354.D
Acq: 27 Mar 2019 15:13

Tgt Ion:104 Resp: 1045701
Ion Ratio Lower Upper
104 100
78 43.4 31.0 46.6
103 46.5 37.0 55.4



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





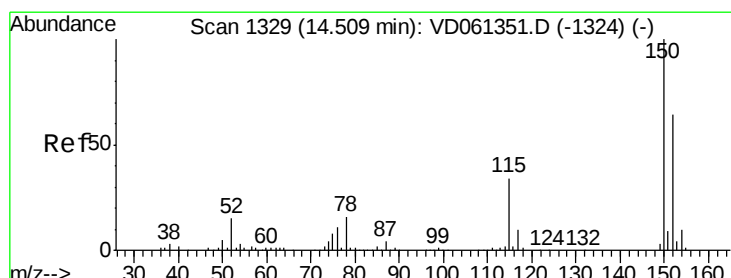
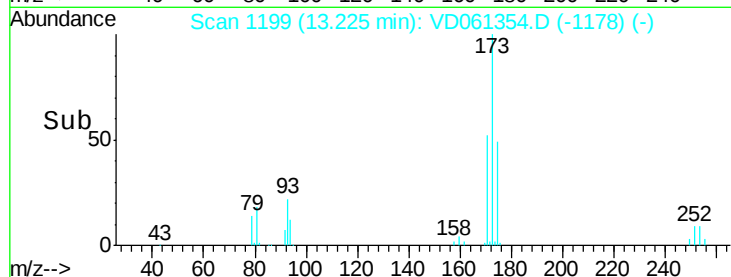
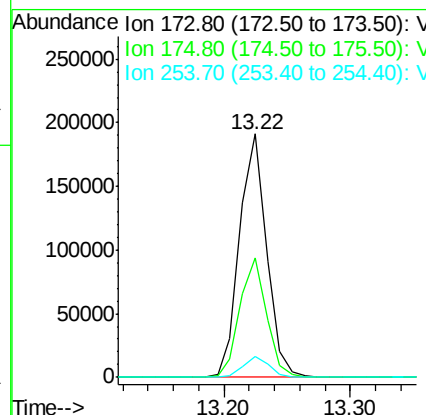
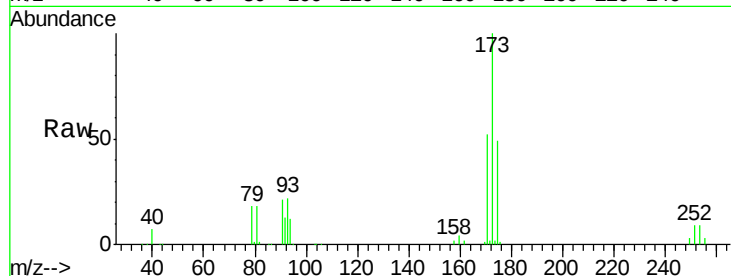
#71
Bromoform
Concen: 50.433 ug/l
RT: 13.22 min Scan# 1199
Delta R.T. 0.00 min
Lab File: VD061354.D
Acq: 27 Mar 2019 15:13

Instrument :
MSVOA_D
ClientSampleId :
ICVVD032719

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.6	73.8
254	8.7	6.6	10.0

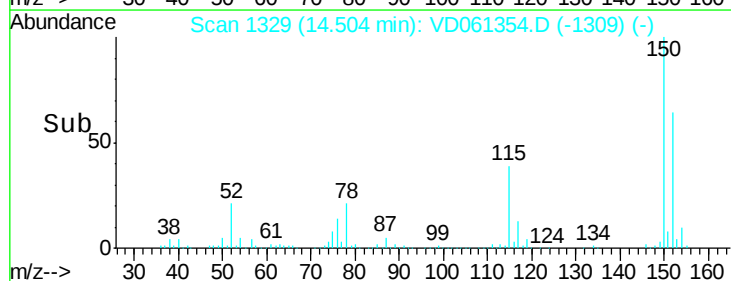
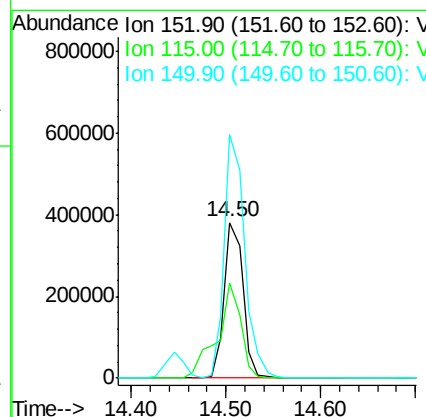
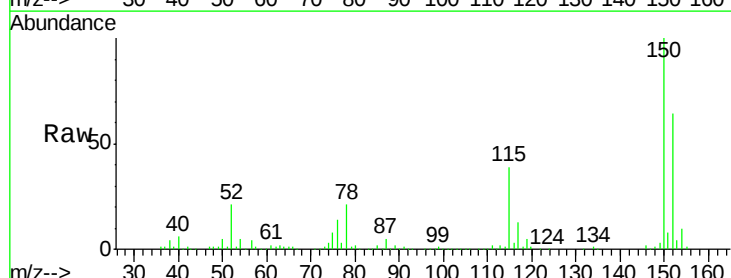
Manual Integrations
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.50 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD061354.D
Acq: 27 Mar 2019 15:13

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.4	26.9	80.6
150	156.3	0.0	318.0





#73

Isopropylbenzene

Concen: 48.108 ug/l

RT: 13.39 min Scan# 1216

Delta R.T. 0.00 min

Lab File: VD061354.D

Acq: 27 Mar 2019 15:13

Instrument :

MSVOA_D

ClientSampleId :

ICVVD032719

Tgt Ion:105 Resp: 1748756

Ion Ratio Lower Upper

105 100

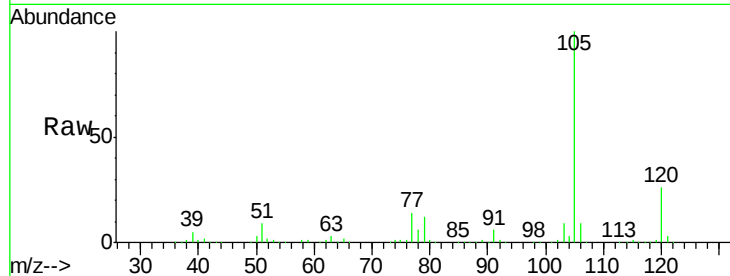
120 26.0 12.8 38.3

Manual Integrations

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

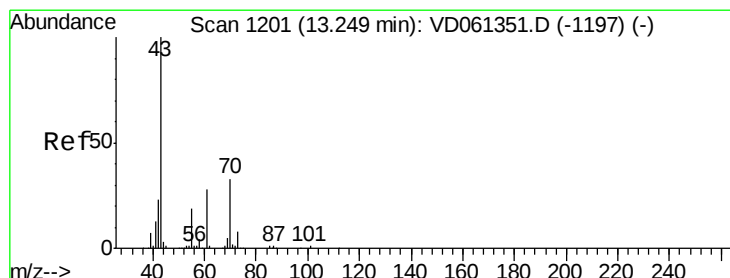
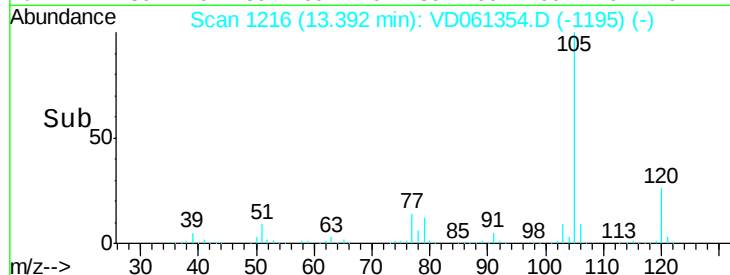
13.39

1000000

500000

0

Time-->



#74

N-ethyl acetate

Concen: 49.312 ug/l

RT: 13.25 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VD061354.D

Acq: 27 Mar 2019 15:13

Tgt Ion: 43 Resp: 499346

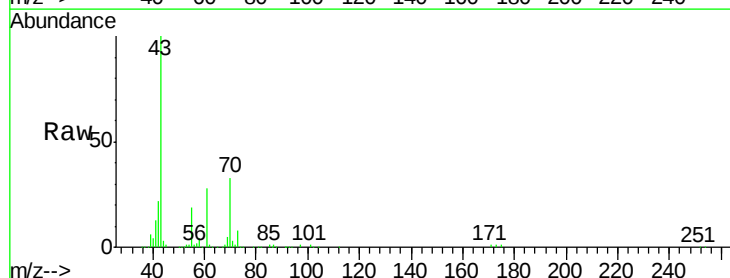
Ion Ratio Lower Upper

43 100

70 33.5 26.6 40.0

55 19.4 15.4 23.2

61 28.1 22.2 33.4



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

13.25

500000

400000

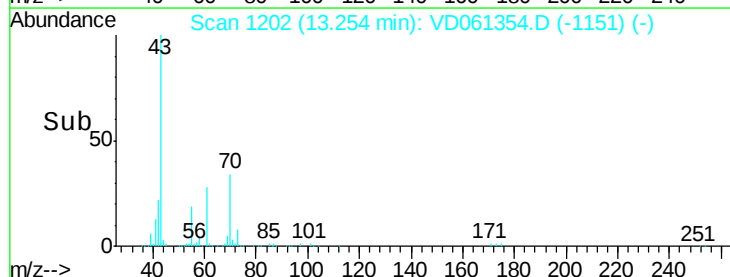
300000

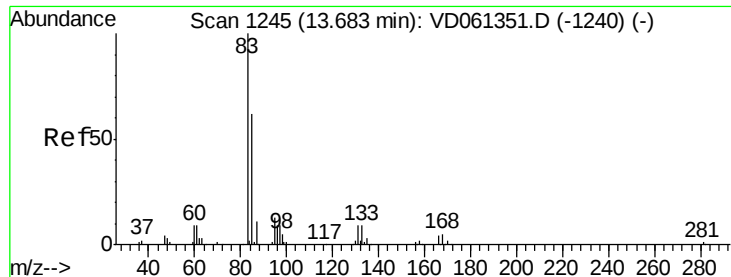
200000

100000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 45.197 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. 0.00 min

Lab File: VD061354.D

Acq: 27 Mar 2019 15:13

Instrument :

MSVOA_D

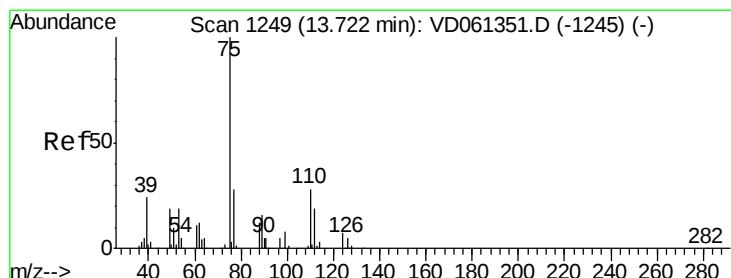
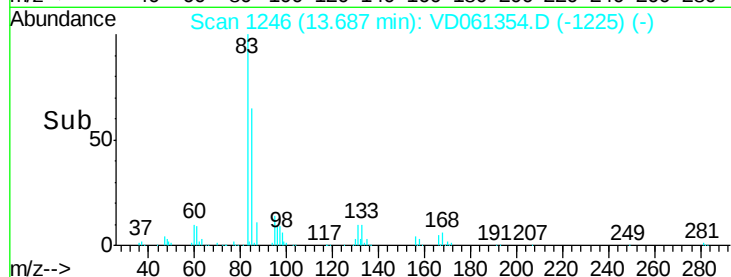
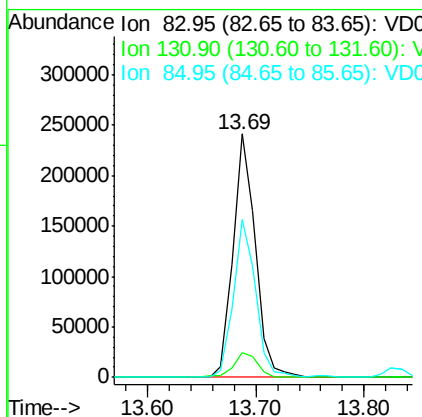
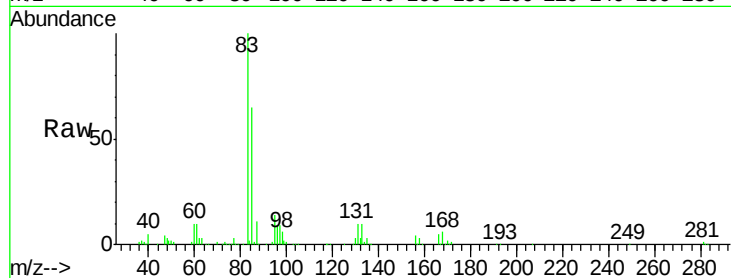
ClientSampleId :

ICVVD032719

Tgt Ion:	83	Resp:	346580
Ion Ratio	Lower	Upper	
83	100		
131	10.0	4.3	13.1
85	65.1	31.2	93.6

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 48.270 ug/l

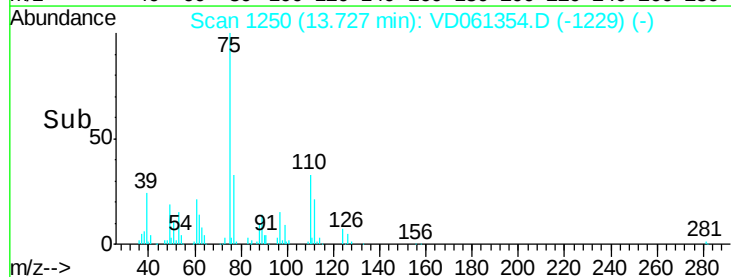
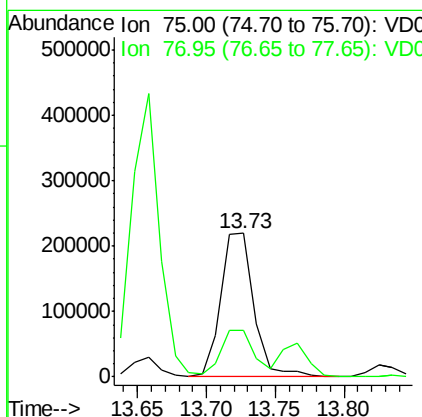
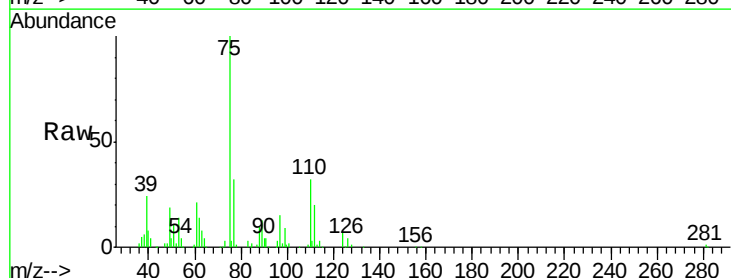
RT: 13.73 min Scan# 1250

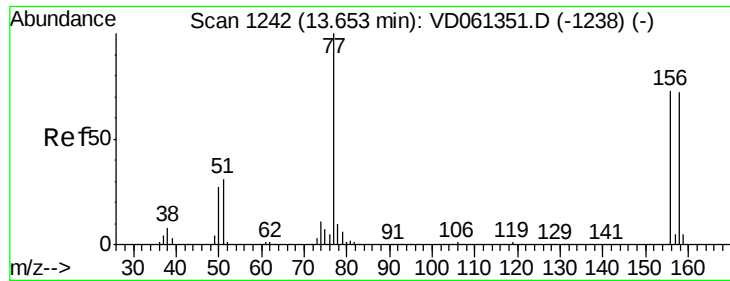
Delta R.T. 0.00 min

Lab File: VD061354.D

Acq: 27 Mar 2019 15:13

Tgt Ion:	75	Resp:	364174
Ion Ratio	Lower	Upper	
75	100		
77	32.5	16.2	48.5





#77

Bromobenzene

Concen: 45.792 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. 0.00 min

Lab File: VD061354.D

Acq: 27 Mar 2019 15:13

Instrument :

MSVOA_D

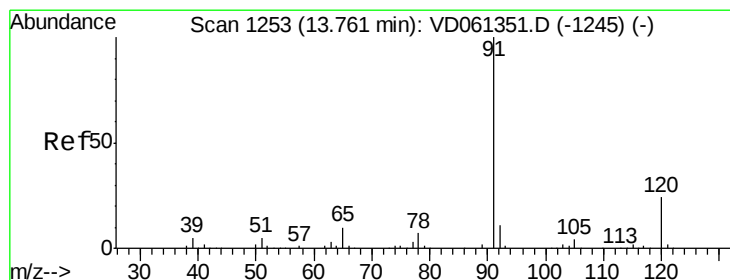
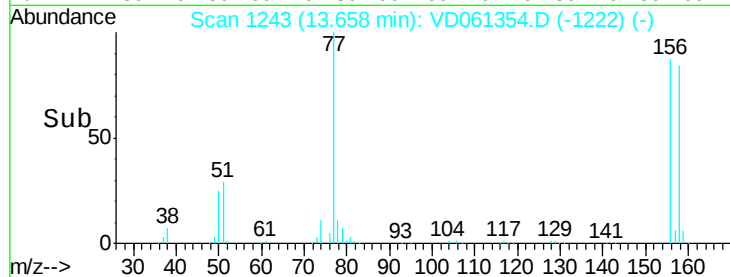
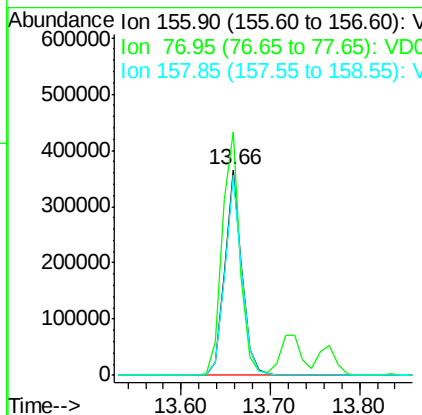
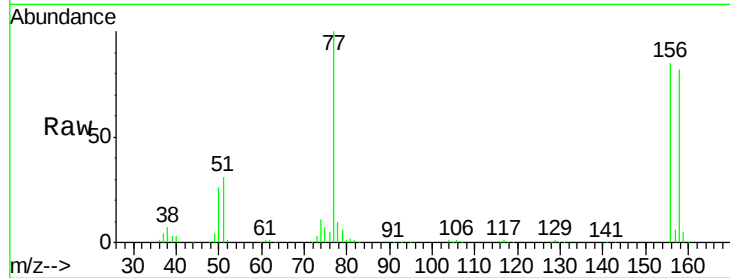
ClientSampleId :

ICVVD032719

Tgt Ion	Ratio	Resp	Lower	Upper
156	100	493471		
77	118.3	68.5	205.6	
158	97.1	49.1	147.3	

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3/29/2019 2:00:39 PM



#78

n-propylbenzene

Concen: 44.549 ug/l

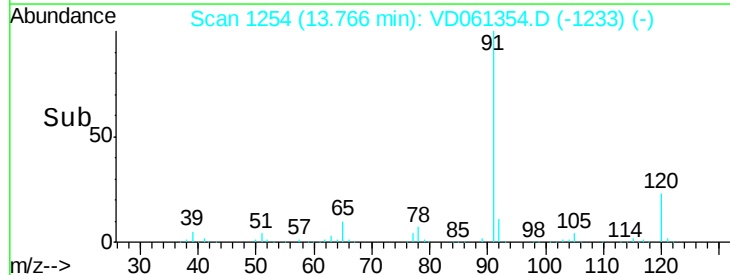
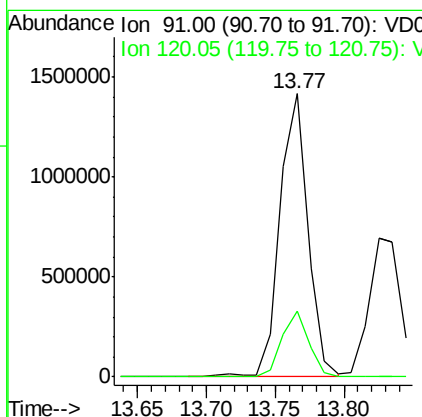
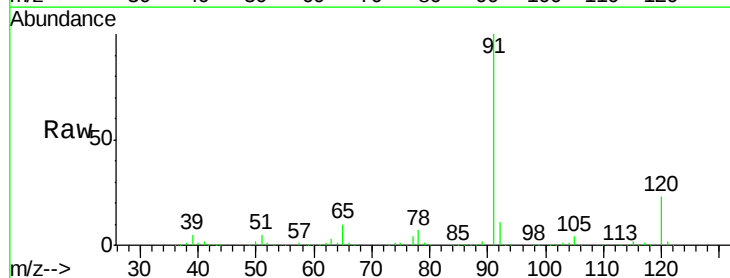
RT: 13.77 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VD061354.D

Acq: 27 Mar 2019 15:13

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	1981759		
120	23.3	11.8	35.3	





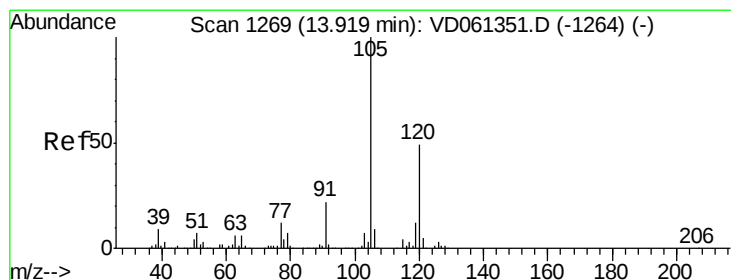
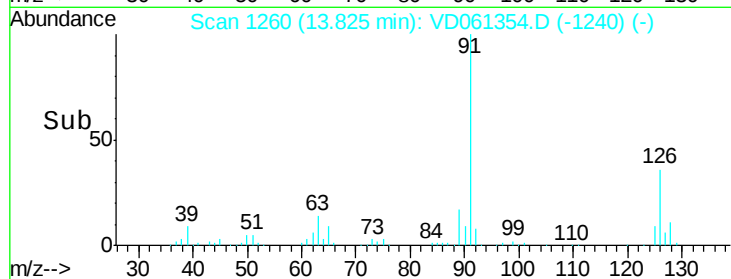
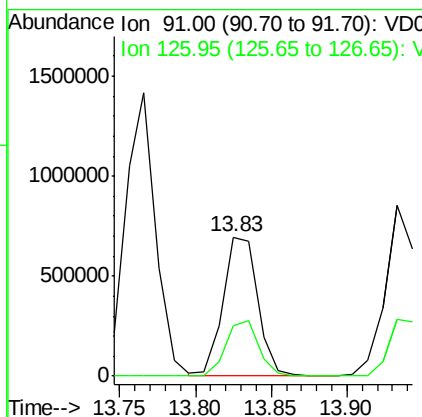
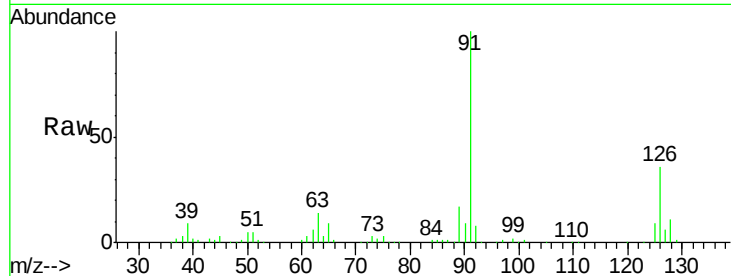
#79
 2-Chlorotoluene
 Concen: 45.738 ug/l
 RT: 13.83 min Scan# 1260
 Delta R.T. -0.01 min
 Lab File: VD061354.D
 Acq: 27 Mar 2019 15:13

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD032719

Tgt Ion: 91 Resp: 1104750
 Ion Ratio Lower Upper
 91 100
 126 36.1 19.4 58.2

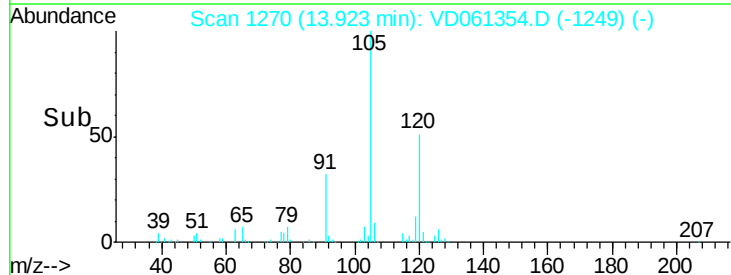
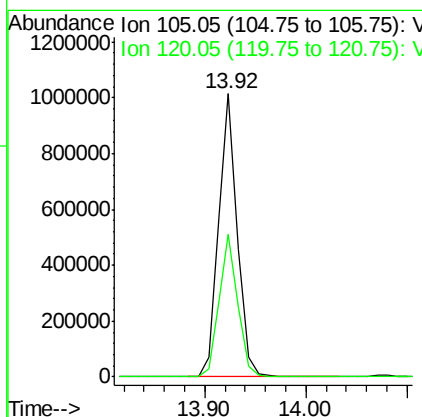
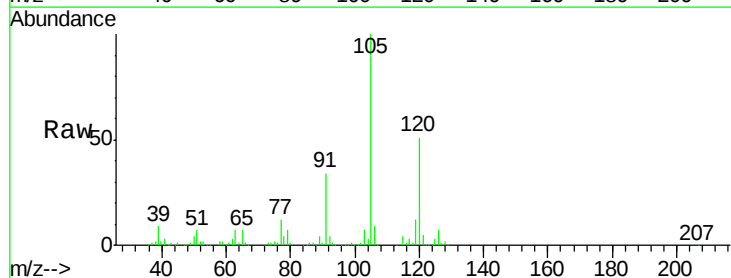
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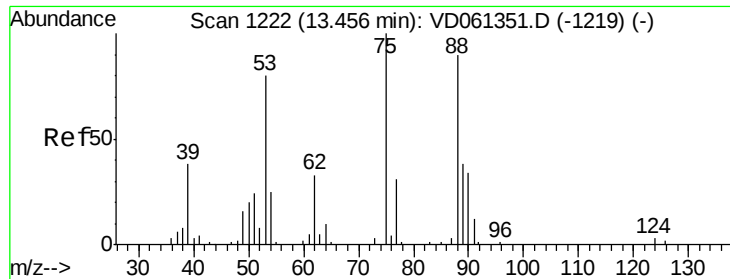
MMDadoda
 3/29/2019 2:00:39 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 46.429 ug/l
 RT: 13.92 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD061354.D
 Acq: 27 Mar 2019 15:13

Tgt Ion: 105 Resp: 1309487
 Ion Ratio Lower Upper
 105 100
 120 50.5 24.6 73.6





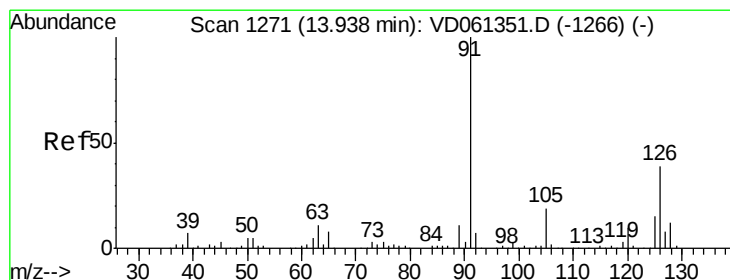
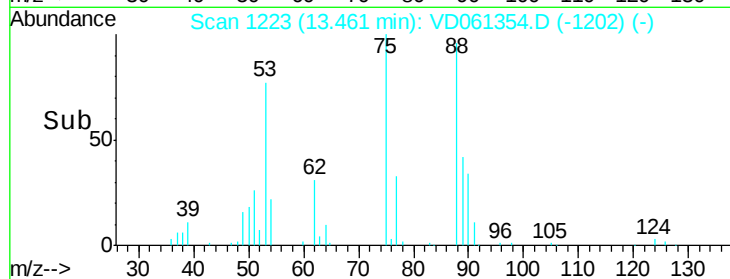
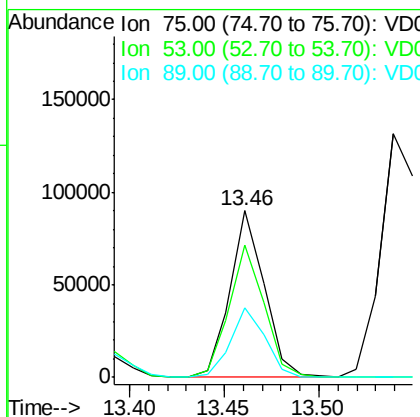
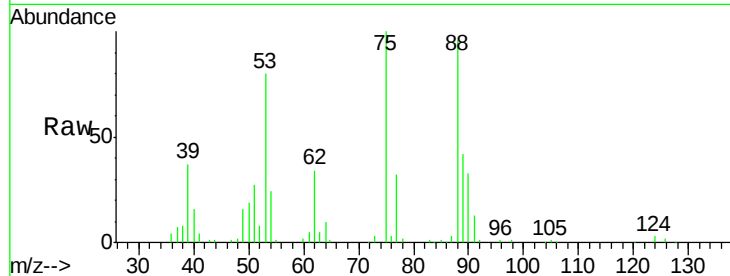
#81
trans-1,4-Dichloro-2-butene
Concen: 49.328 ug/l
RT: 13.46 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD061354.D
Acq: 27 Mar 2019 15:13

Instrument :
MSVOA_D
ClientSampleId :
ICVVD032719

Tgt Ion	Ratio	Lower	Upper
75	100		
53	79.6	63.8	95.8
89	42.0	30.5	45.7

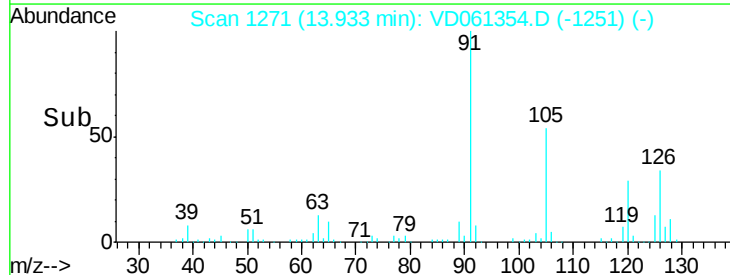
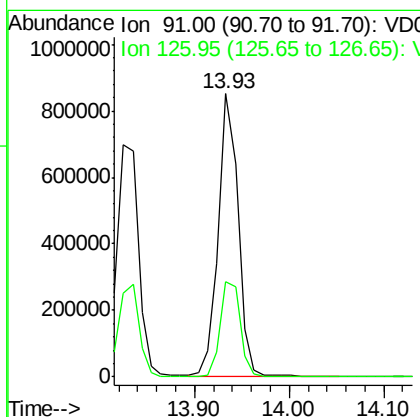
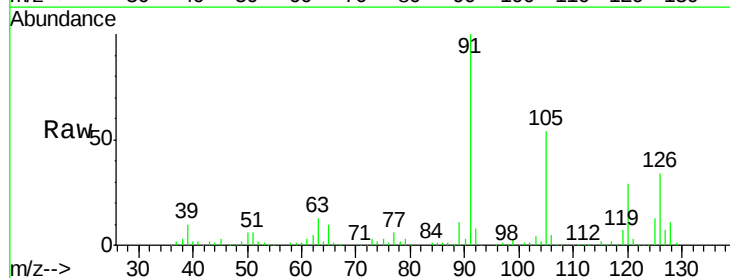
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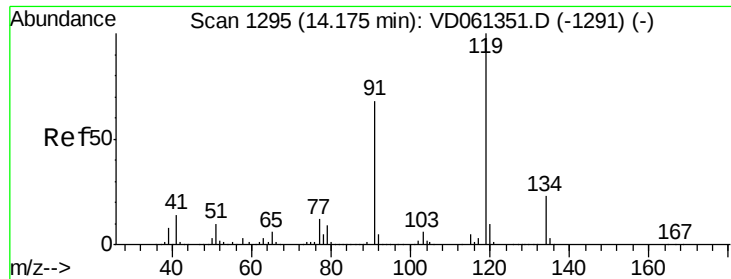
MMDadoda
3/29/2019 2:00:39 PM



#82
4-Chlorotoluene
Concen: 47.057 ug/l
RT: 13.93 min Scan# 1271
Delta R.T. -0.01 min
Lab File: VD061354.D
Acq: 27 Mar 2019 15:13

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.5	19.6	58.8





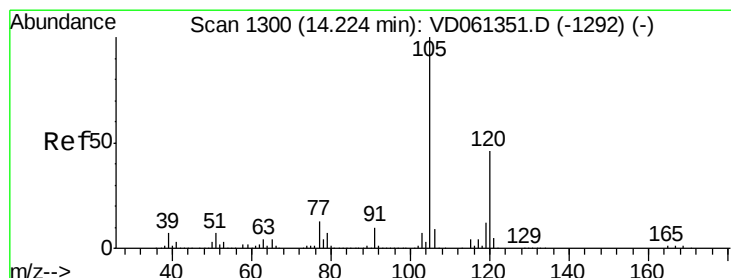
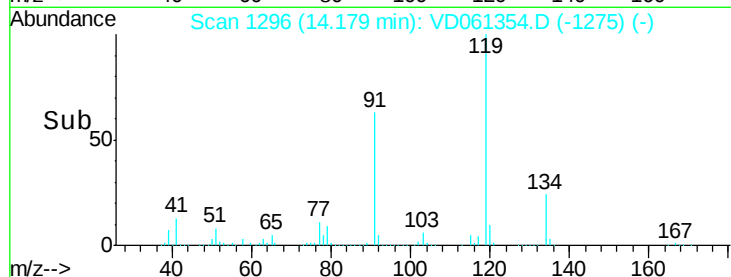
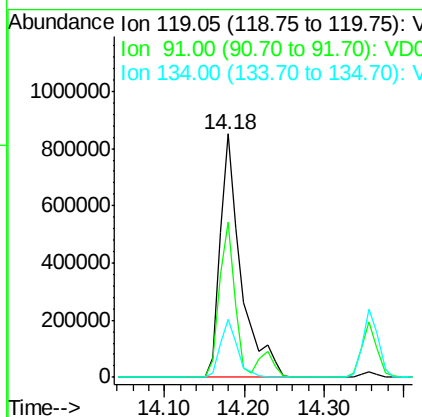
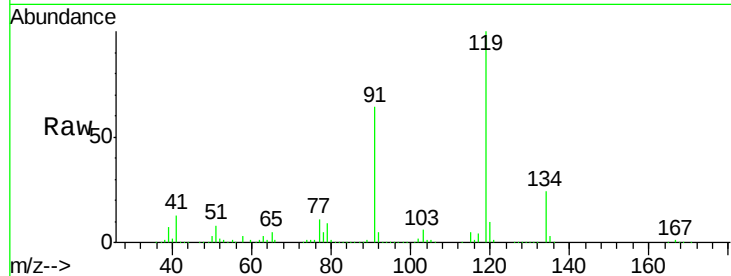
#83
 tert-Butylbenzene
 Concen: 44.715 ug/l
 RT: 14.18 min Scan# 1296
 Delta R.T. 0.00 min
 Lab File: VD061354.D
 Acq: 27 Mar 2019 15:13

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD032719

Tgt Ion:119 Resp: 1576088
 Ion Ratio Lower Upper
 119 100
 91 63.8 34.1 102.3
 134 23.8 11.6 34.8

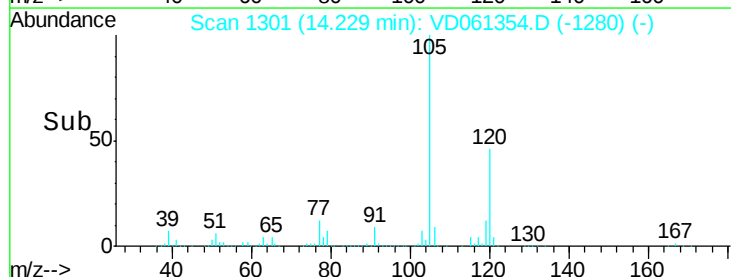
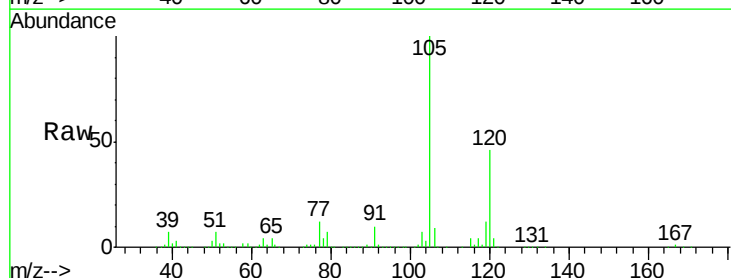
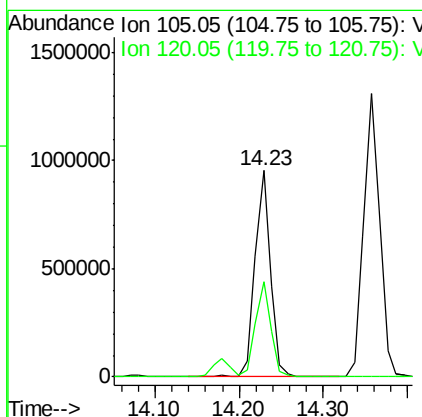
Manual Integrations
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#84
 1,2,4-Trimethylbenzene
 Concen: 40.435 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. 0.00 min
 Lab File: VD061354.D
 Acq: 27 Mar 2019 15:13

Tgt Ion:105 Resp: 1234655
 Ion Ratio Lower Upper
 105 100
 120 46.4 22.8 68.4





#85

sec-Butylbenzene

Concen: 46.324 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. 0.00 min

Lab File: VD061354.D

Acq: 27 Mar 2019 15:13

Instrument :

MSVOA_D

ClientSampled :

ICVVD032719

Tgt Ion:105 Resp: 1734559

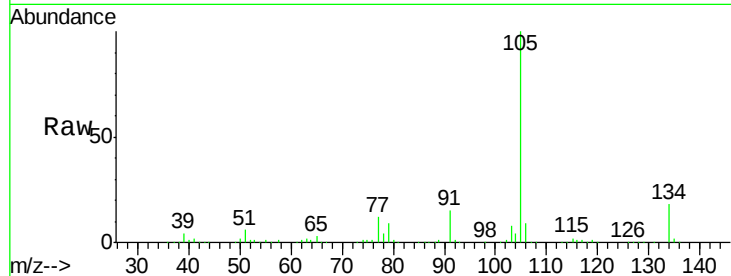
Ion Ratio Lower Upper

105 100

134 18.3 8.7 26.1

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

Ion 134.10 (133.80 to 134.80): V

14.36

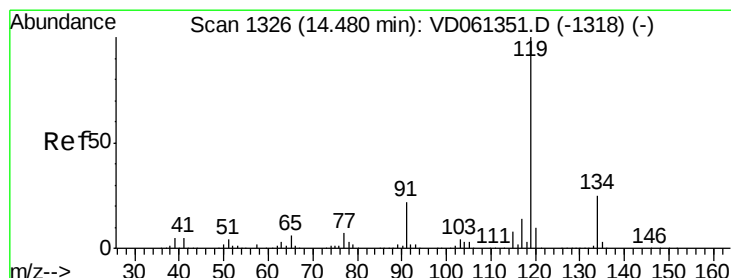
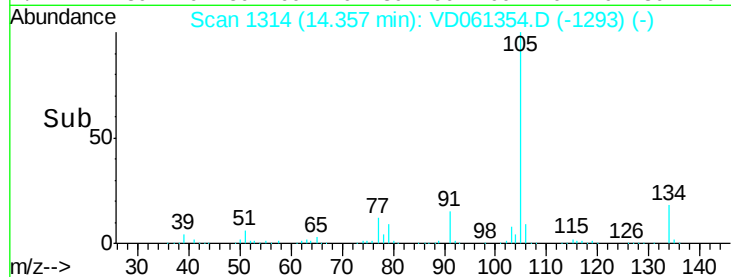
1500000

1000000

500000

0

Time-->



#86

p-Isopropyltoluene

Concen: 46.903 ug/l

RT: 14.48 min Scan# 1327

Delta R.T. 0.00 min

Lab File: VD061354.D

Acq: 27 Mar 2019 15:13

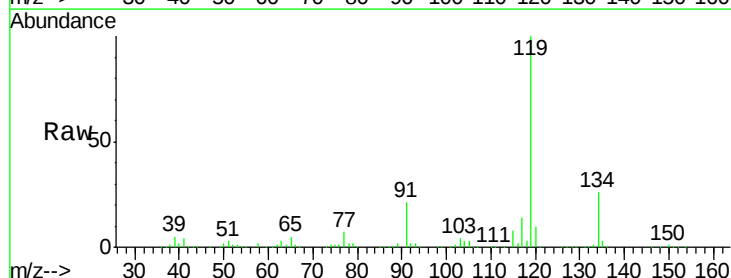
Tgt Ion:119 Resp: 1485094

Ion Ratio Lower Upper

119 100

134 25.7 12.3 36.8

91 21.1 11.1 33.1



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

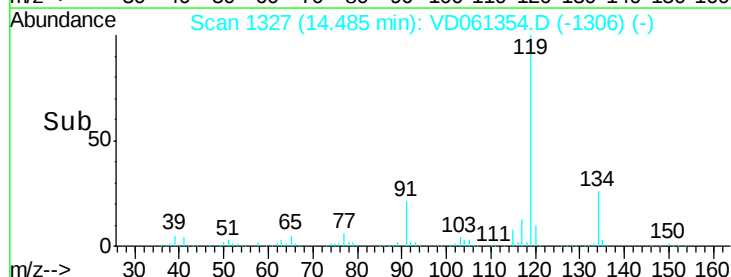
14.48

1000000

500000

0

Time-->





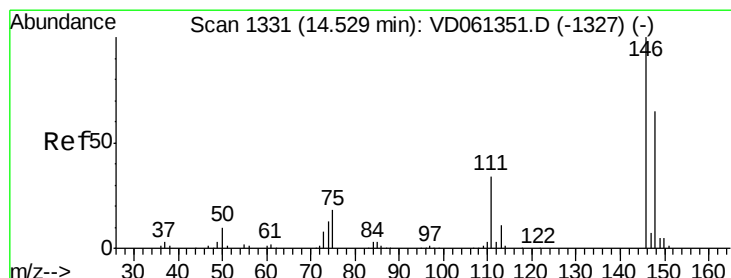
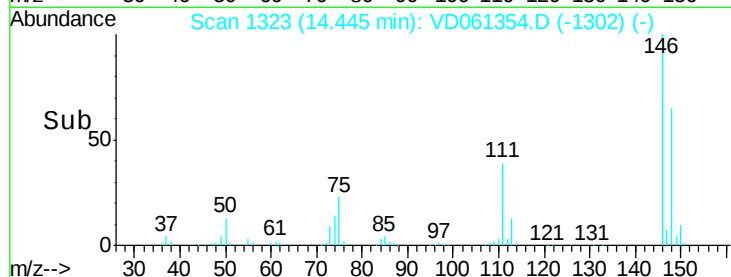
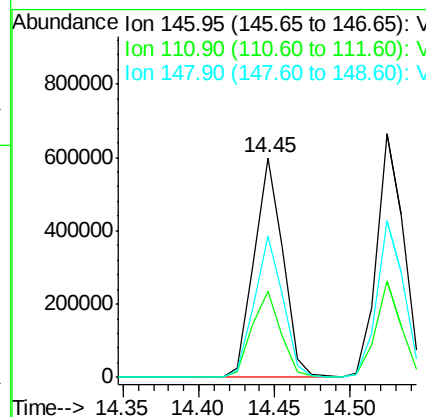
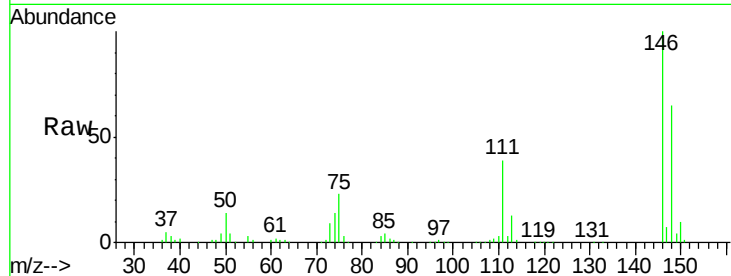
#87
 1,3-Dichlorobenzene
 Concen: 43.784 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VD061354.D
 Acq: 27 Mar 2019 15:13

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD032719

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	799004		
111	39.0	20.6	61.9	
148	64.5	31.1	93.3	

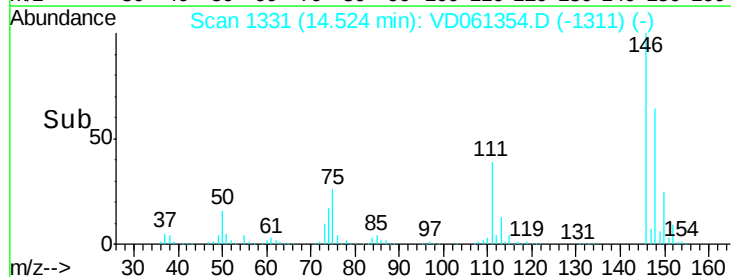
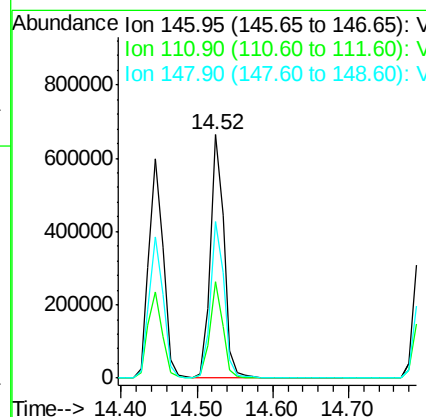
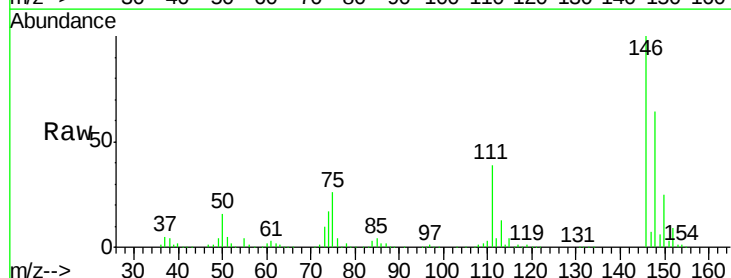
Manual Integrations
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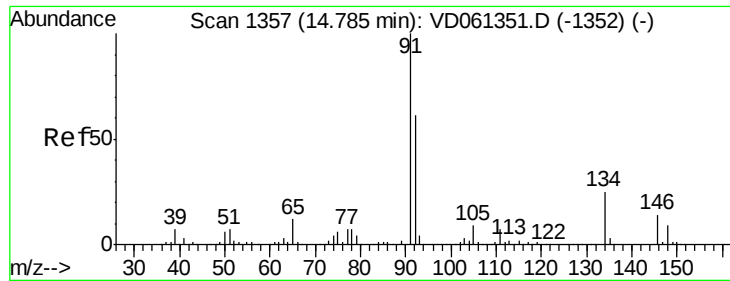
MMDadoda
 3/29/2019 2:00:39 PM



#88
 1,4-Dichlorobenzene
 Concen: 47.063 ug/l
 RT: 14.52 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: VD061354.D
 Acq: 27 Mar 2019 15:13

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	837539		
111	39.3	16.8	50.4	
148	64.1	32.6	98.0	





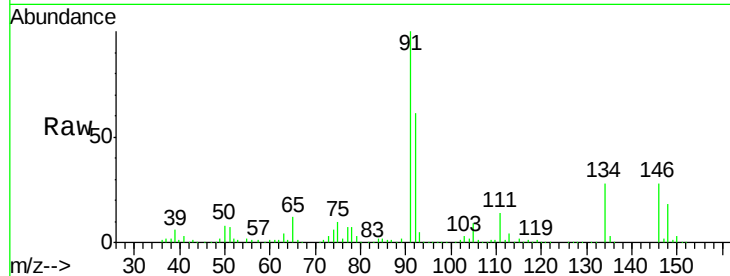
#89
n-Butylbenzene
Concen: 47.388 ug/l
RT: 14.79 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VD061354.D
Acq: 27 Mar 2019 15:13

Instrument :
MSVOA_D
ClientSampleId :
ICVVD032719

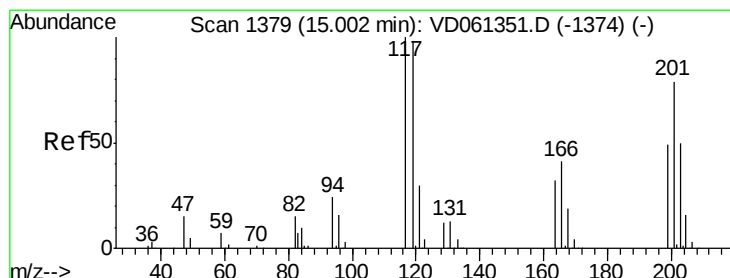
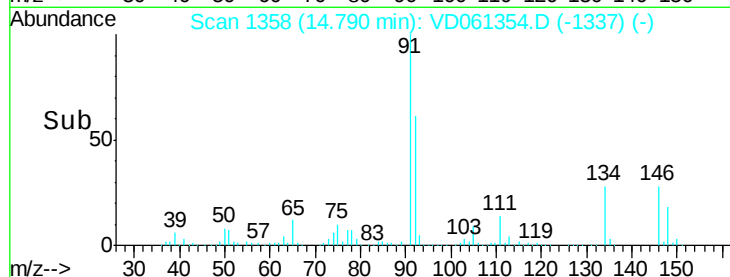
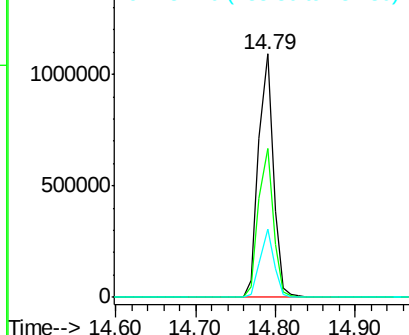
Tgt Ion: 91 Resp: 1377155
Ion Ratio Lower Upper
91 100
92 61.0 30.3 91.0
134 28.2 12.4 37.0

Manual Integrations
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3/29/2019 2:00:39 PM

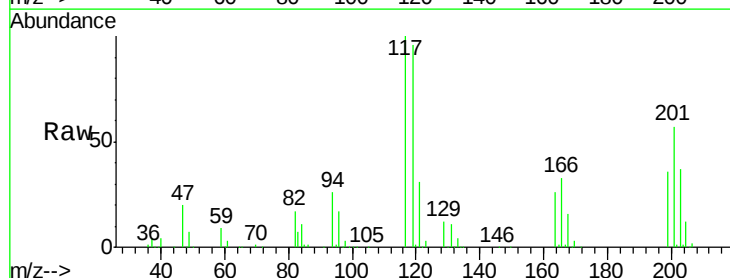


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V

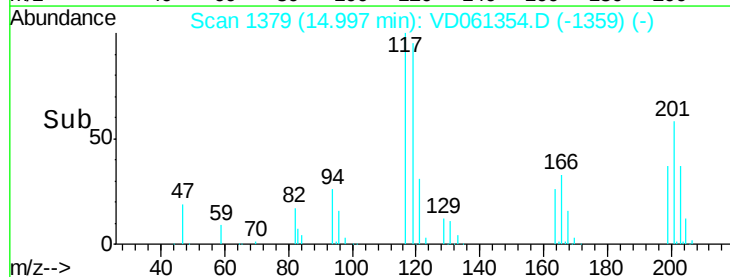
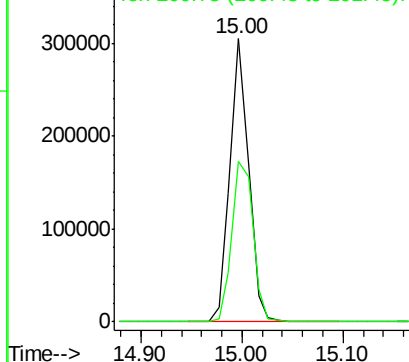


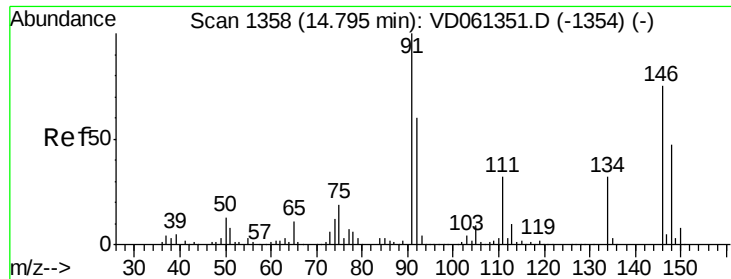
#90
Hexachloroethane
Concen: 44.165 ug/l
RT: 15.00 min Scan# 1379
Delta R.T. -0.01 min
Lab File: VD061354.D
Acq: 27 Mar 2019 15:13

Tgt Ion: 117 Resp: 395064
Ion Ratio Lower Upper
117 100
201 56.9 39.6 119.0



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V





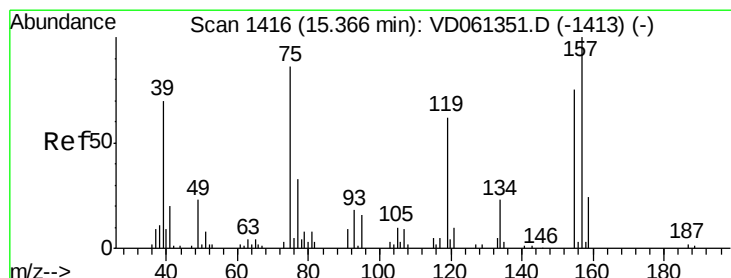
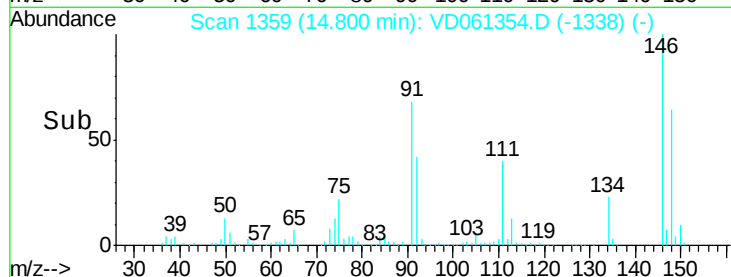
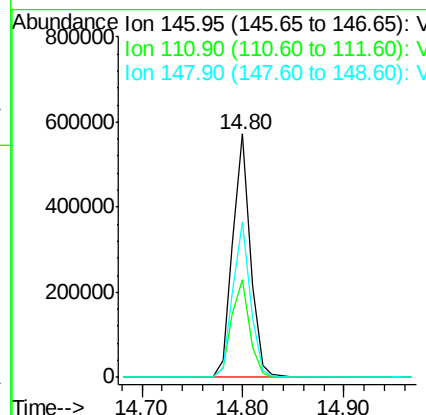
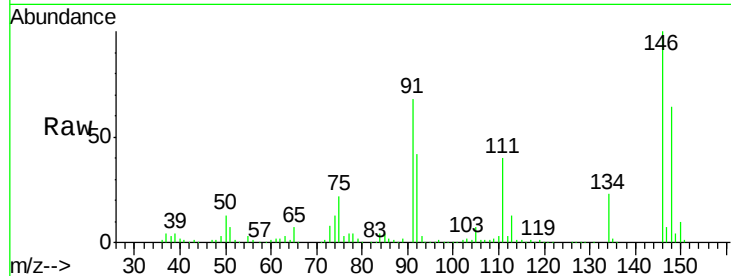
#91
 1,2-Dichlorobenzene
 Concen: 46.374 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VD061354.D
 Acq: 27 Mar 2019 15:13

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD032719

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	694143		
111	40.3	21.2	63.6	
148	64.0	31.6	95.0	

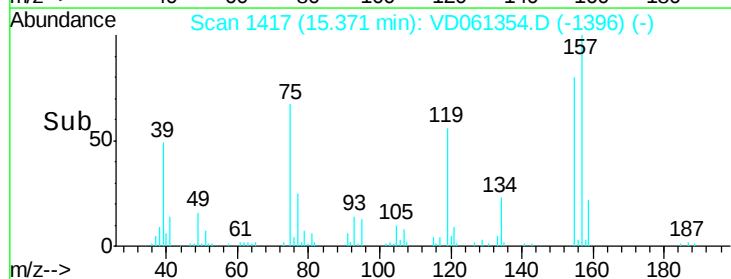
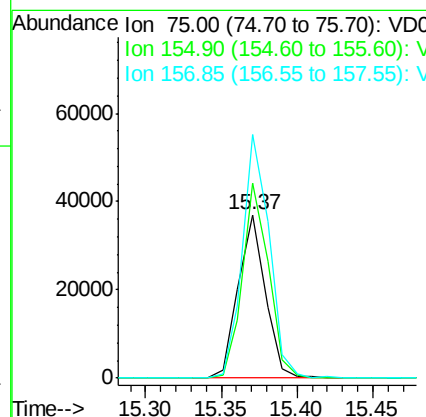
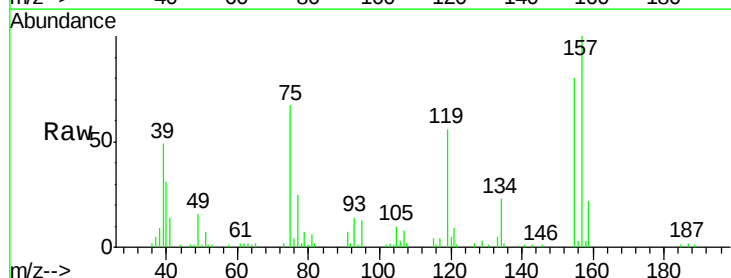
Manual Integrations
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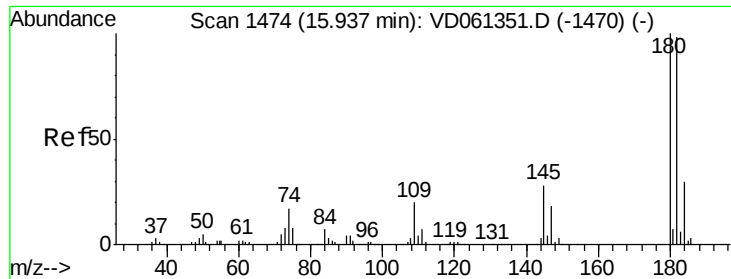
MMDadoda
 3/29/2019 2:00:39 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.171 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. 0.00 min
 Lab File: VD061354.D
 Acq: 27 Mar 2019 15:13

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	46021		
155	119.3	43.6	130.9	
157	149.1	58.5	175.3	





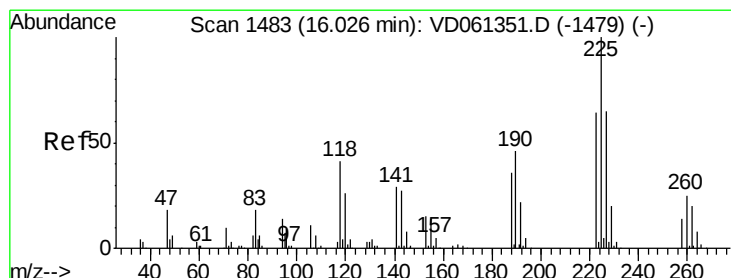
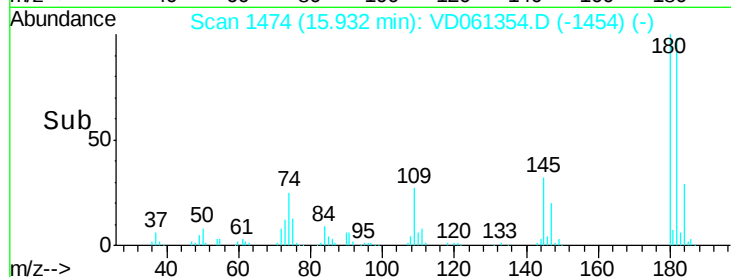
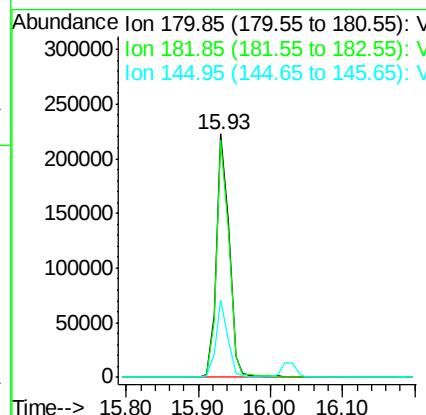
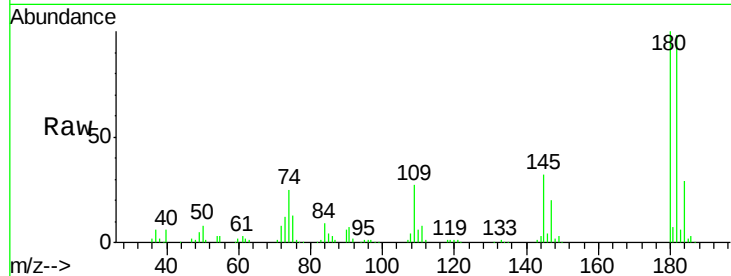
#93
 1,2,4-Trichlorobenzene
 Concen: 39.671 ug/l
 RT: 15.93 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD061354.D
 Acq: 27 Mar 2019 15:13

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD032719

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	270500		
182	97.6	48.9	146.8	
145	31.9	14.1	42.3	

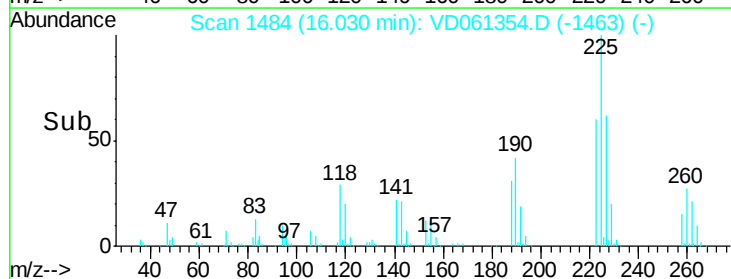
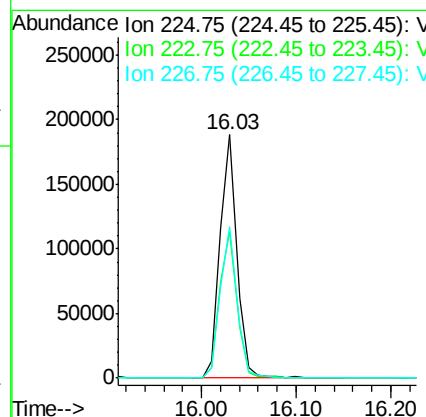
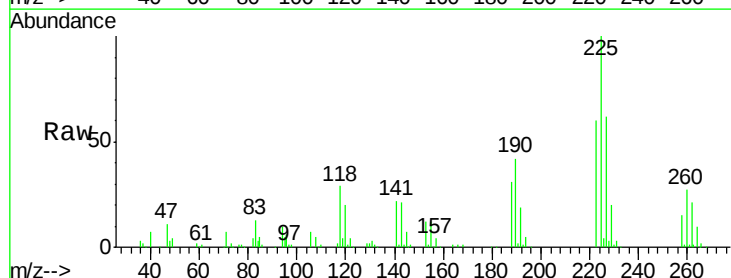
Manual Integrations
 APPROVED

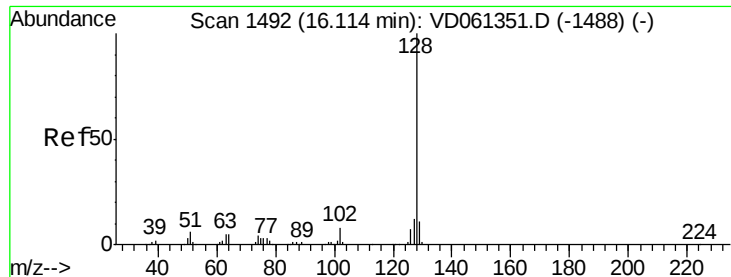
MMDadoda
 3/29/2019 2:00:39 PM



#94
 Hexachlorobutadiene
 Concen: 44.014 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD061354.D
 Acq: 27 Mar 2019 15:13

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	234520		
223	60.3	32.0	96.0	
227	62.0	32.4	97.2	





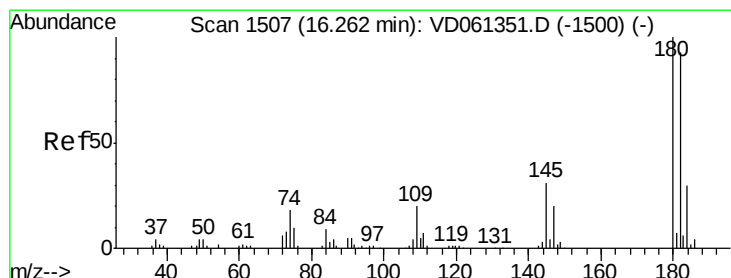
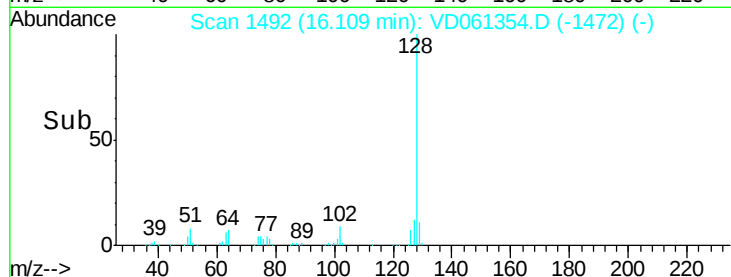
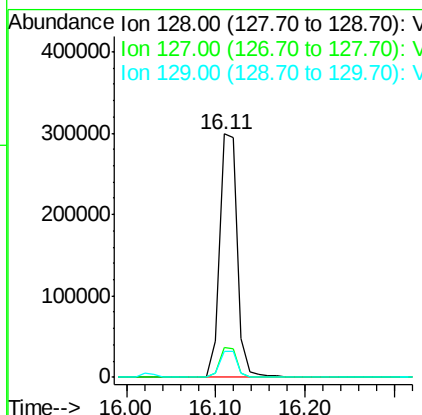
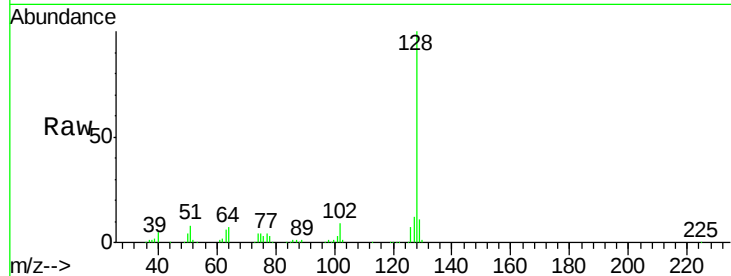
#95
Naphthalene
Concen: 40.208 ug/l
RT: 16.11 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VD061354.D
Acq: 27 Mar 2019 15:13

Instrument :
MSVOA_D
ClientSampleId :
ICVVD032719

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	417904		
127	12.4	9.9	14.9	
129	10.9	8.9	13.3	

Manual Integrations
APPROVED

MMDadoda
3/29/2019 2:00:39 PM



#96
1,2,3-Trichlorobenzene
Concen: 35.439 ug/l
RT: 16.26 min Scan# 1507
Delta R.T. -0.01 min
Lab File: VD061354.D
Acq: 27 Mar 2019 15:13

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	106335		
182	96.3	46.4	139.1	
145	32.4	15.3	45.9	

