

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050719\
 Data File : VD062141.D
 Acq On : 7 May 2019 14:03
 Operator : FY/SY
 Sample : VSTDICC100
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 5/9/2019 12:56:35 AM

Quant Time: May 08 04:19:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 13:42:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	884765	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	1302319	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.35	117	1146859	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	522900	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.43	65	860490	102.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	204.30%	
35) Dibromofluoromethane	6.90	113	1062839	90.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	180.46%	
50) Toluene-d8	10.39	98	2522635	87.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	174.52%	
62) 4-Bromofluorobenzene	13.54	95	975025	83.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	167.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.56	85	864365	100.974	ug/l	96
3) Chloromethane	1.74	50	622233	106.425	ug/l	97
4) Vinyl Chloride	1.84	62	649764	103.625	ug/l	100
5) Bromomethane	2.14	94	154455	102.835	ug/l	98
7) Trichlorofluoromethane	2.50	101	1176130	98.989	ug/l	99
8) Diethyl Ether	2.85	74	255121	111.495	ug/l	81
9) 1,1,2-Trichlorotrifluoroet	3.13	101	900805	97.810	ug/l	98
10) Methyl Iodide	3.29	142	1445013	106.433	ug/l	95
11) Tert butyl alcohol	4.05	59	235650	579.076	ug/l	100
12) 1,1-Dichloroethene	3.11	96	736120	100.313	ug/l	99
13) Acrolein	3.02	56	236484	567.835	ug/l	90
14) Allyl chloride	3.59	41	1028633	100.397	ug/l	90
15) Acrylonitrile	4.17	53	590937	544.635	ug/l	88
16) Acetone	3.21	43	882546	498.820	ug/l #	90
17) Carbon Disulfide	3.36	76	2321775	115.501	ug/l	100
18) Methyl Acetate	3.62	43	319603	106.569	ug/l	93
19) Methyl tert-butyl Ether	4.21	73	1530962	104.745	ug/l	96
20) Methylene Chloride	3.79	84	786600	112.433	ug/l	94
21) trans-1,2-Dichloroethene	4.19	96	798296	100.067	ug/l	96
22) Diisopropyl ether	5.09	45	2236050	106.833	ug/l	94
23) Vinyl Acetate	5.03	43	6183766	540.130	ug/l	97
24) 1,1-Dichloroethane	4.96	63	1444695	117.520	ug/l	99
25) 2-Butanone	6.04	43	1065404	589.179	ug/l	100
26) 2,2-Dichloropropane	6.00	77	1318556	108.288	ug/l	99
27) cis-1,2-Dichloroethene	6.01	96	938252	114.050	ug/l	98
28) Bromochloromethane	6.42	49	545075	111.441	ug/l	95
29) Tetrahydrofuran	6.44	42	472477	585.200	ug/l	96
30) Chloroform	6.64	83	1614923	106.325	ug/l	98
31) Cyclohexane	6.93	56	928443	104.552	ug/l	98
32) 1,1,1-Trichloroethane	6.85	97	1431008	97.342	ug/l	98
36) 1,1-Dichloropropene	7.13	75	1056585	97.322	ug/l	97
37) Ethyl Acetate	6.16	43	470673	100.000	ug/l #	92
38) Carbon Tetrachloride	7.10	117	1436818m	93.344	ug/l	
39) Methylcyclohexane	8.85	83	1024451	93.869	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	7.43	78	2596248	105.452	ug/l	99
41) Methacrylonitrile	6.42	41	583374	105.501	ug/l	92
42) 1,2-Dichloroethane	7.56	62	1098904	104.641	ug/l	97
43) Isopropyl Acetate	9.22	43	714084	109.033	ug/l #	97
44) Trichloroethene	8.52	130	990902	102.375	ug/l	91
45) 1,2-Dichloropropane	8.92	63	660353	108.349	ug/l	97
46) Dibromomethane	9.04	93	525163	105.003	ug/l	87
47) Bromodichloromethane	9.36	83	1259476	103.144	ug/l	99
48) Methyl methacrylate	9.10	41	402326	101.961	ug/l	91
49) 1,4-Dioxane	9.06	88	93257	2171.354	ug/l	98
51) 4-Methyl-2-Pentanone	10.28	43	2115995	518.526	ug/l	95
52) Toluene	10.49	92	1667322	102.898	ug/l	98
53) t-1,3-Dichloropropene	10.89	75	1102051	102.978	ug/l	99
54) cis-1,3-Dichloropropene	10.02	75	1196854	99.673	ug/l	92
55) 1,1,2-Trichloroethane	11.18	97	614505	103.352	ug/l	95
56) Ethyl methacrylate	11.02	69	616264	99.486	ug/l #	89
57) 1,3-Dichloropropane	11.40	76	861816	93.641	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.84	63	1618092	489.257	ug/l	98
59) 2-Hexanone	11.52	43	1471222	479.714	ug/l	96
60) Dibromochloromethane	11.67	129	1013651	101.001	ug/l	100
61) 1,2-Dibromoethane	11.79	107	738172	108.023	ug/l	97
64) Tetrachloroethene	11.24	164	895391	95.965	ug/l	97
65) Chlorobenzene	12.39	112	2028017	96.337	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.50	131	890340	89.396	ug/l	96
67) Ethyl Benzene	12.52	91	3274610	86.503	ug/l	98
68) m/p-Xylenes	12.66	106	2293128	161.033	ug/l	99
69) o-Xylene	13.04	106	1111061	86.924	ug/l	99
70) Stvrene	13.06	104	1985755	95.028	ug/l	97
71) Bromoform	13.23	173	675606	97.790	ug/l #	98
73) Isopropylbenzene	13.39	105	3434581	110.108	ug/l	99
74) N-amyl acetate	13.26	43	920780	114.257	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.69	83	669267	119.694	ug/l	99
76) 1,2,3-Trichloropropane	13.73	75	675113	116.972	ug/l	98
77) Bromobenzene	13.66	156	879309	108.267	ug/l	91
78) n-propylbenzene	13.77	91	3854503	109.147	ug/l	98
79) 2-Chlorotoluene	13.84	91	2153525	103.267	ug/l	98
80) 1,3,5-Trimethylbenzene	13.93	105	2524337	98.654	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.46	75	203775	113.271	ug/l #	86
82) 4-Chlorotoluene	13.93	91	2328160	94.564	ug/l	88
83) tert-Butylbenzene	14.18	119	2975001	100.258	ug/l	98
84) 1,2,4-Trimethylbenzene	14.23	105	2575520	99.917	ug/l	97
85) sec-Butylbenzene	14.36	105	3015428	94.937	ug/l	98
86) p-Isopropyltoluene	14.49	119	2792580	92.175	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	1700986	108.824	ug/l	100
88) 1,4-Dichlorobenzene	14.53	146	1537126	103.715	ug/l	99
89) n-Butylbenzene	14.79	91	2622200	106.891	ug/l	98
90) Hexachloroethane	15.00	117	866315	109.720	ug/l	87
91) 1,2-Dichlorobenzene	14.80	146	1348711	110.646	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.37	75	111658	118.290	ug/l	91
93) 1,2,4-Trichlorobenzene	15.93	180	981430	110.457	ug/l	95

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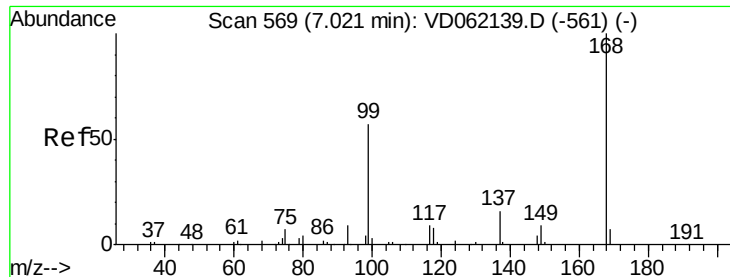
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	16.03	225	737034	107.049	ug/l	99
95) Naphthalene	16.12	128	1517172	114.075	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	669578	114.185	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. 0.01 min

Lab File: VD062141.D

Acq: 7 May 2019 14:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 884765

Ion Ratio Lower Upper

168 100

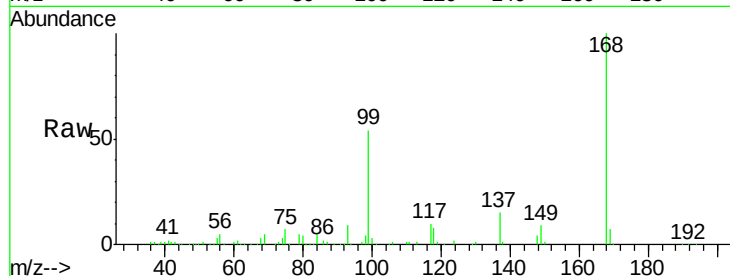
99 54.0 46.5 69.7

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.03

300000

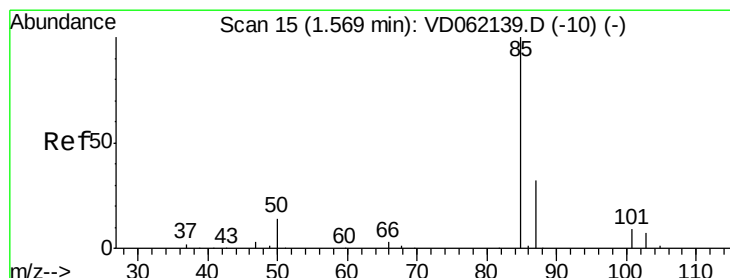
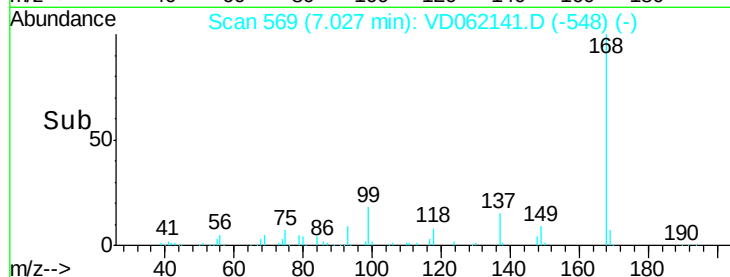
200000

100000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 100.974 ug/l

RT: 1.56 min Scan# 14

Delta R.T. -0.00 min

Lab File: VD062141.D

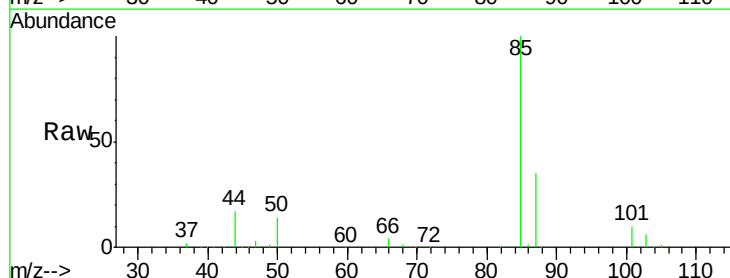
Acq: 7 May 2019 14:03

Tgt Ion: 85 Resp: 864365

Ion Ratio Lower Upper

85 100

87 34.8 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.56

400000

300000

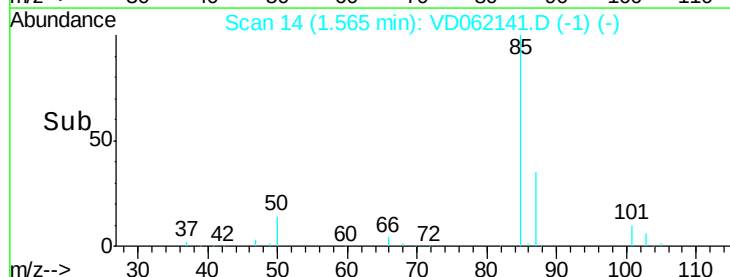
200000

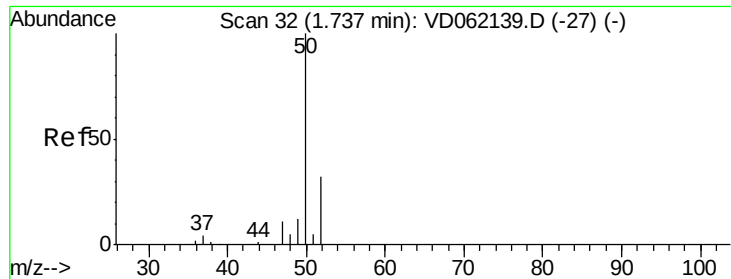
100000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 106.425 ug/l

RT: 1.74 min Scan# 32

Delta R.T. 0.01 min

Lab File: VD062141.D

Acq: 7 May 2019 14:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 622233

Ion Ratio Lower Upper

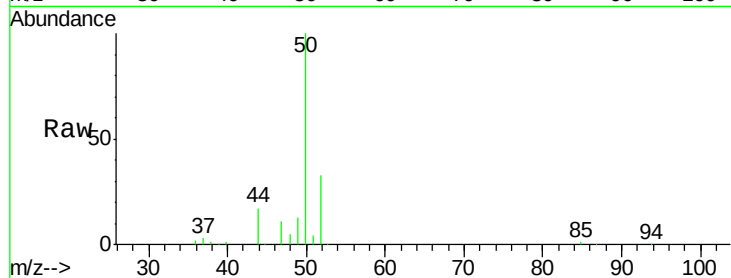
50 100

52 33.4 25.2 37.8

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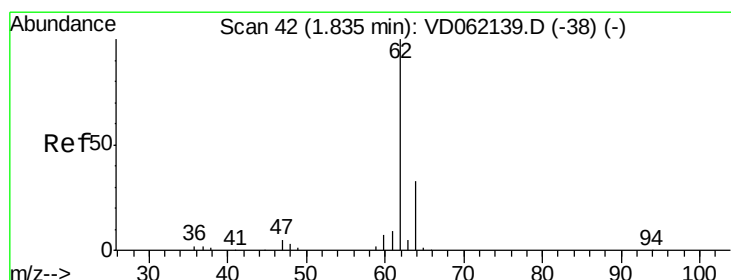
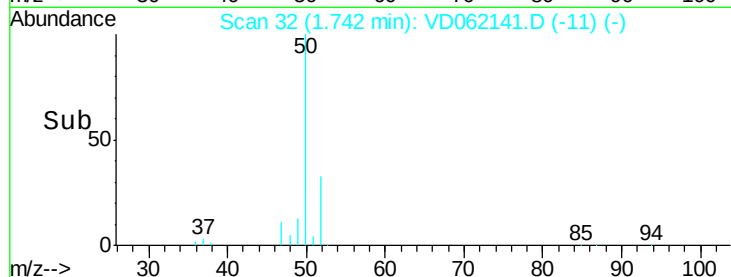
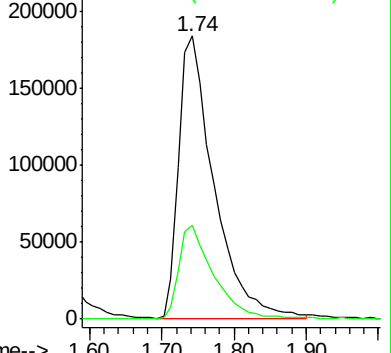
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 103.625 ug/l

RT: 1.84 min Scan# 42

Delta R.T. 0.01 min

Lab File: VD062141.D

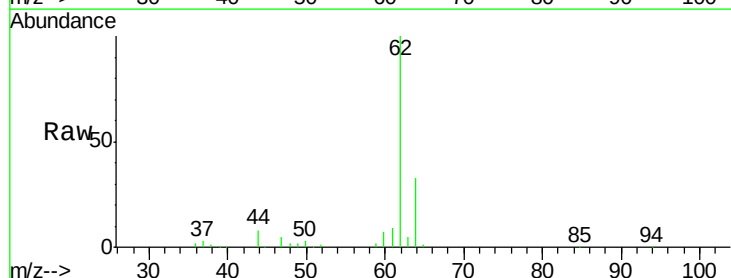
Acq: 7 May 2019 14:03

Tgt Ion: 62 Resp: 649764

Ion Ratio Lower Upper

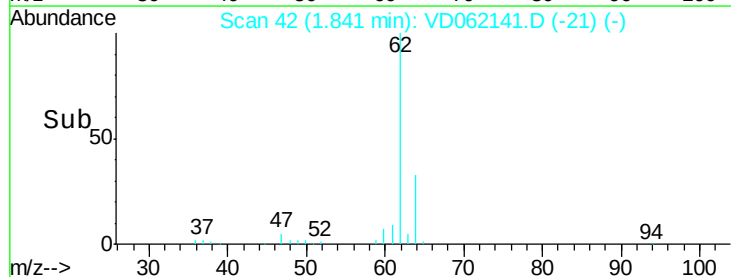
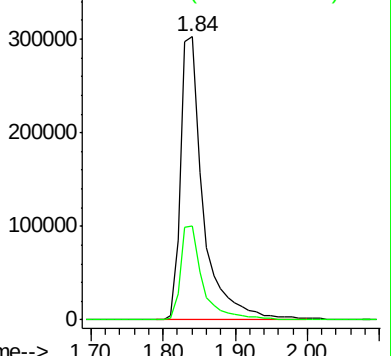
62 100

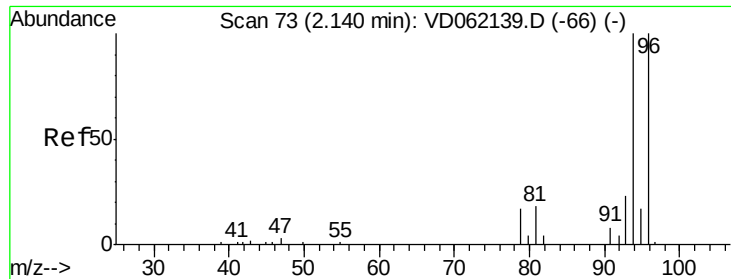
64 33.4 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 102.835 ug/l

RT: 2.14 min Scan# 72

Delta R.T. -0.00 min

Lab File: VD062141.D

Acq: 7 May 2019 14:03

Instrument :

MSVOA_D

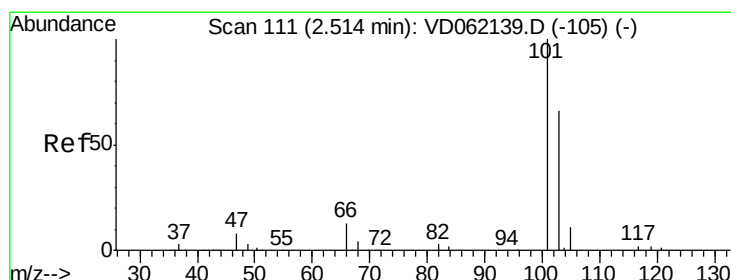
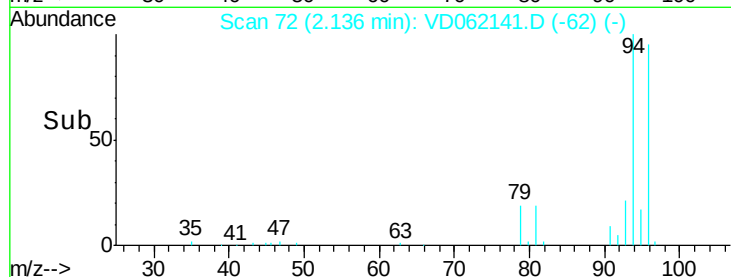
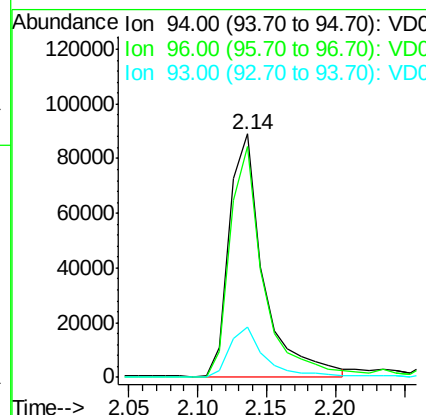
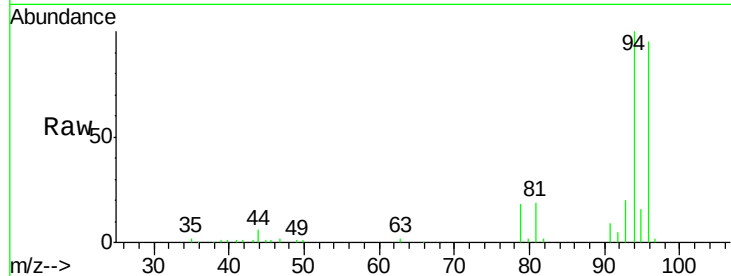
ClientSampleId :

VSTDICC100

Tot Ion:	94	Resp:	154455
Ion	Ratio	Lower	Upper
94	100		
96	94.6	76.6	115.0
93	20.4	18.5	27.7

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#7

Trichlorofluoromethane

Concen: 98.989 ug/l

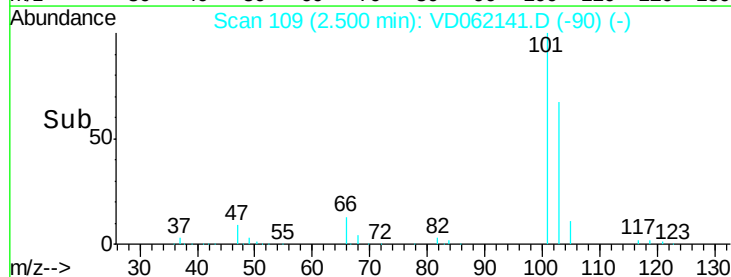
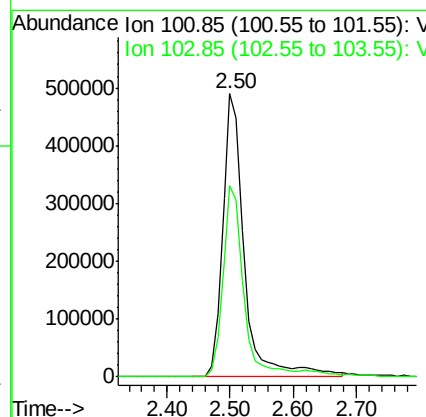
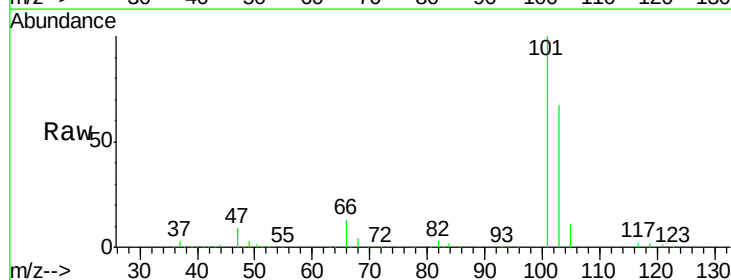
RT: 2.50 min Scan# 109

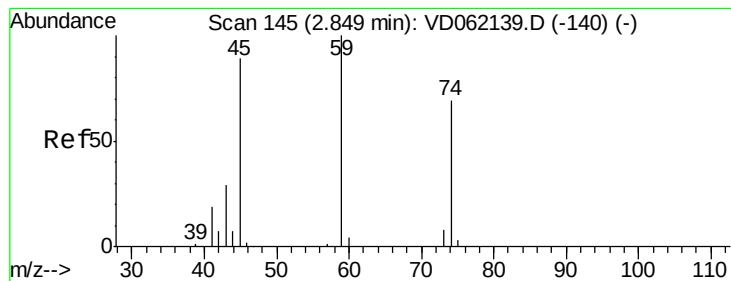
Delta R.T. -0.01 min

Lab File: VD062141.D

Acq: 7 May 2019 14:03

Tgt Ion:	101	Resp:	1176130
Ion	Ratio	Lower	Upper
101	100		
103	67.5	53.6	80.4





#8

Diethyl Ether

Concen: 111.495 ug/l

RT: 2.85 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD062141.D

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Instrument :

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ClientSampleId :

VSTDIC100

Tot Ion: 74 Resp: 255121

Ion Ratio Lower Upper

74 100

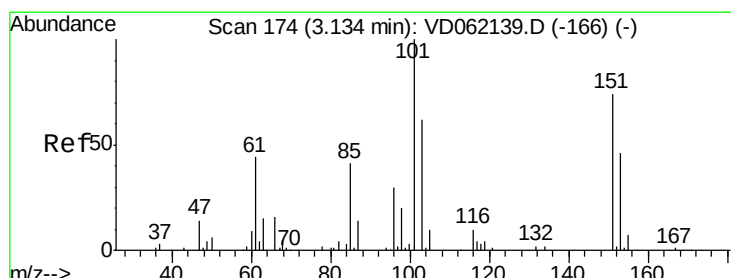
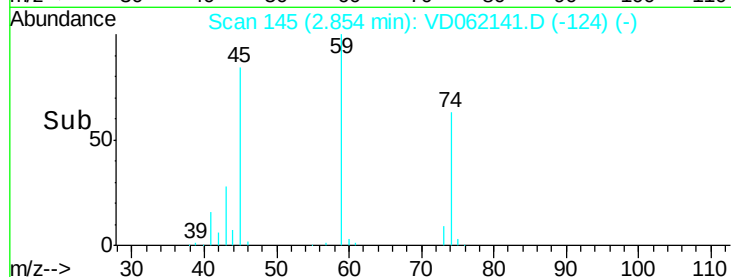
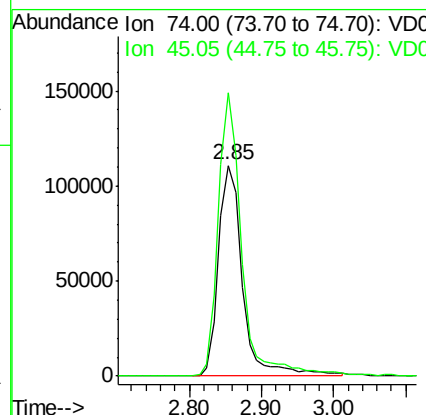
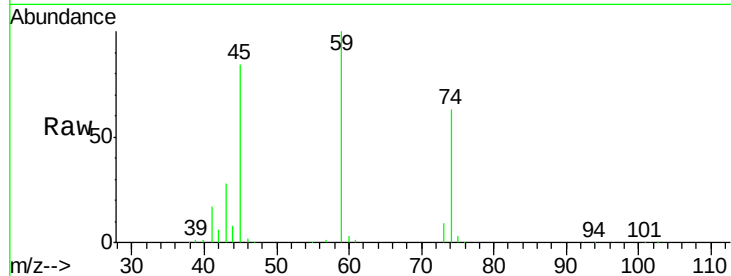
45 134.4 56.9 170.7

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#9

1,1,2-Trichlorotrifluoroethane

Concen: 97.810 ug/l

RT: 3.13 min Scan# 173

Delta R.T. -0.00 min

Lab File: VD062141.D

Acq: 7 May 2019 14:03

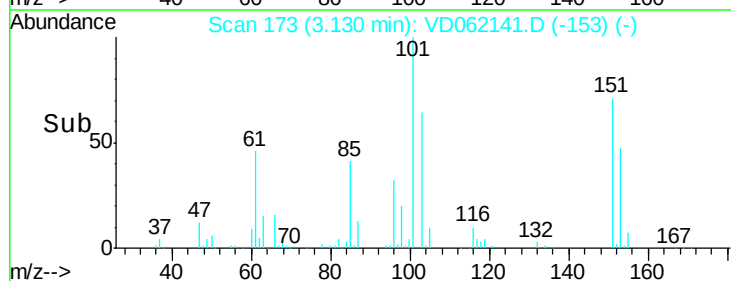
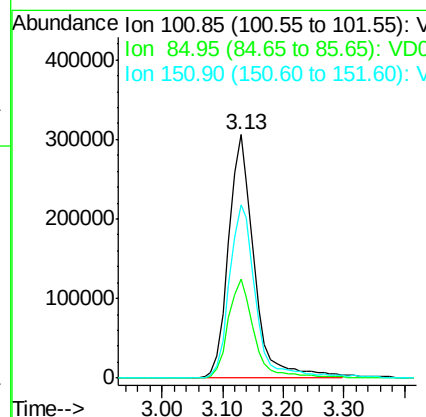
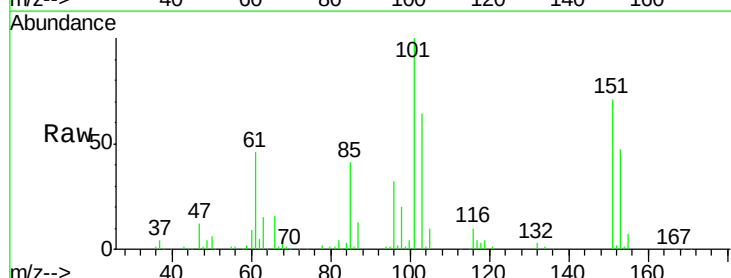
Tgt Ion: 101 Resp: 900805

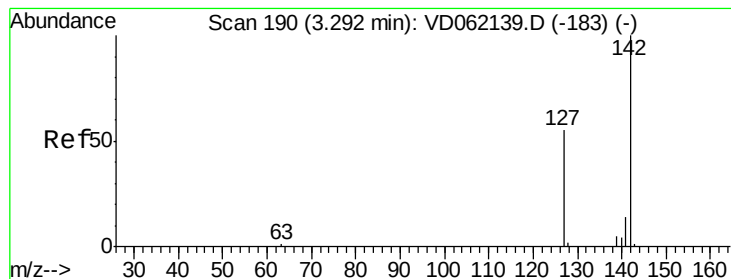
Ion Ratio Lower Upper

101 100

85 40.8 32.4 48.6

151 71.4 59.4 89.0





#10

Methvl Iodide

Concen: 106.433 ug/l

RT: 3.29 min Scan# 189

Delta R.T. -0.00 min

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Acq: 7 May 2019 14:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:142 Resp: 1445013

Ion Ratio Lower Upper

142 100

127 52.5 38.8 58.2

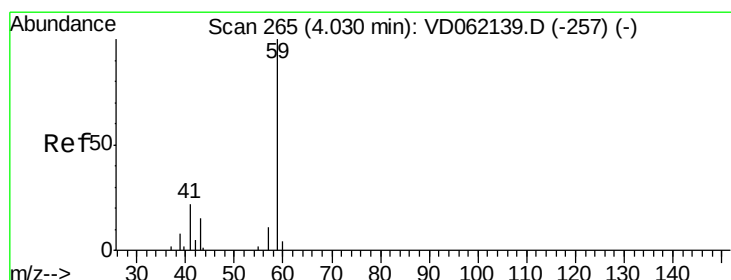
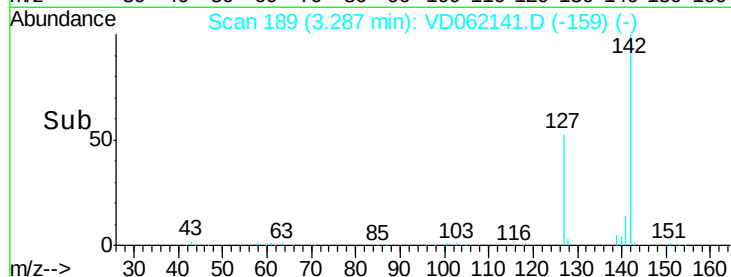
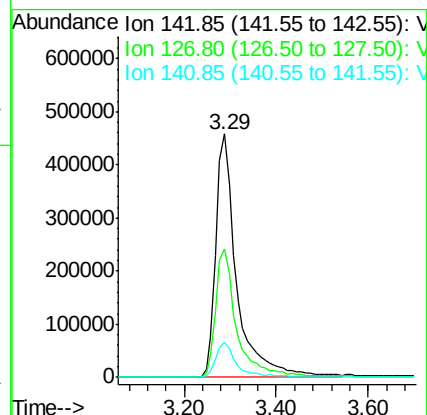
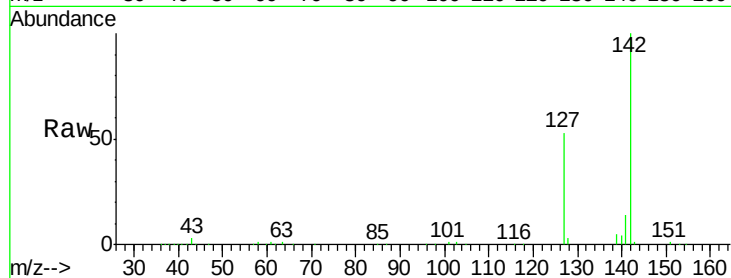
141 14.2 11.4 17.0

Manual Integrations

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#11

Tert butyl alcohol

Concen: 579.076 ug/l

RT: 4.05 min Scan# 267

Delta R.T. 0.03 min

Lab File: VD062141.D

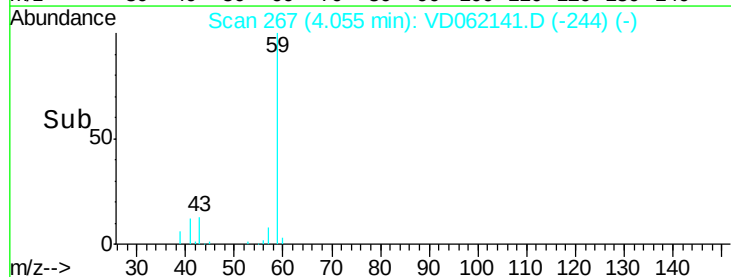
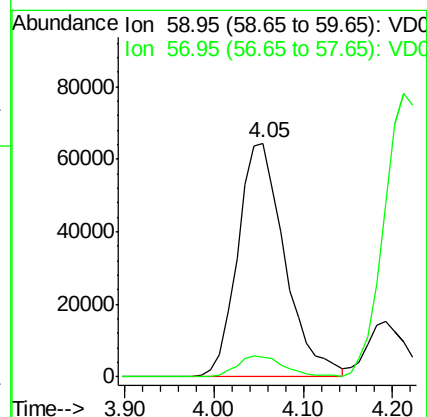
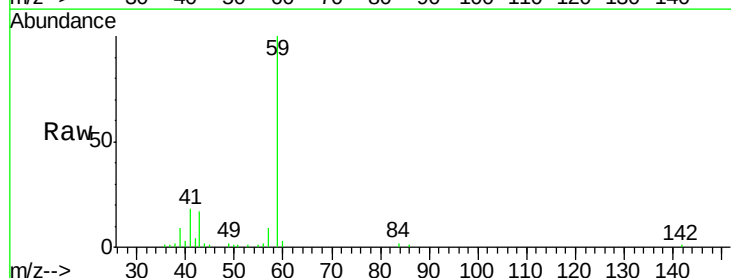
Acq: 7 May 2019 14:03

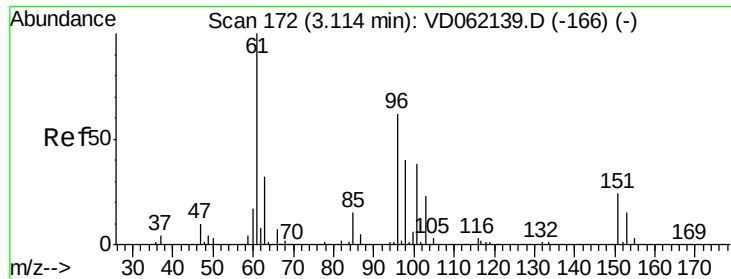
Tgt Ion: 59 Resp: 235650

Ion Ratio Lower Upper

59 100

57 8.5 6.9 10.3





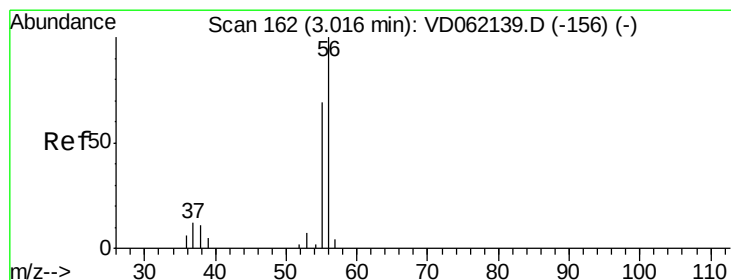
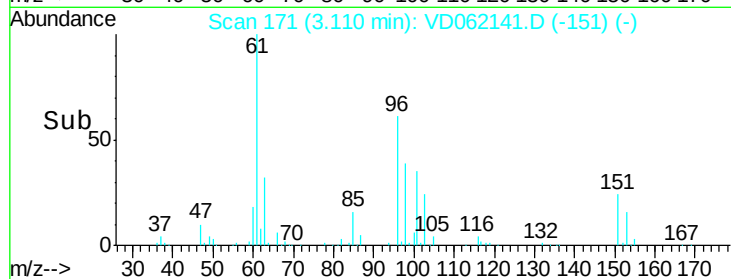
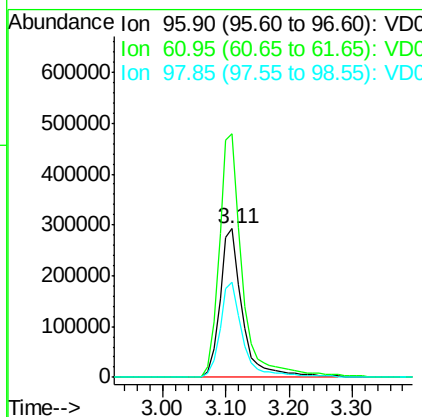
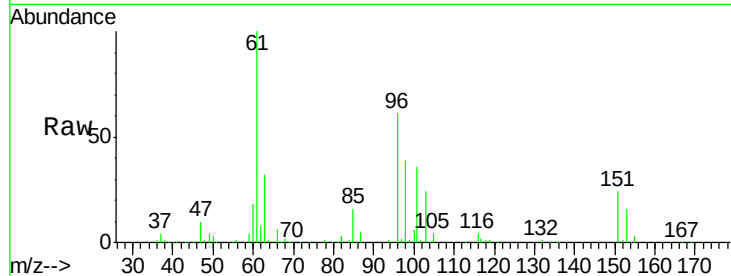
#12
 1,1-Dichloroethene
 Concen: 100.313 ug/l
 RT: 3.11 min Scan# 171
 Delta R.T. -0.00 min
 Lab File: VD062141.D
 Acq: 7 May 2019 14:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
96	100		
61	163.9	129.8	194.8
98	64.1	51.2	76.8

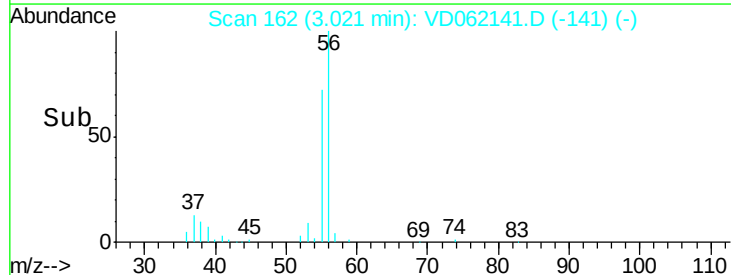
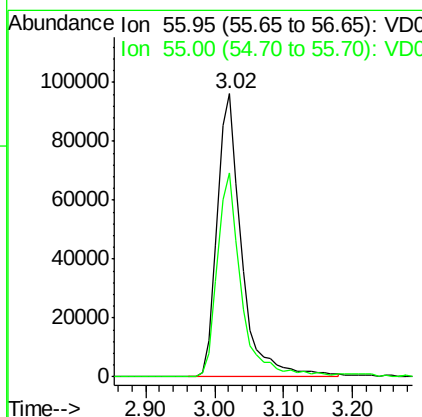
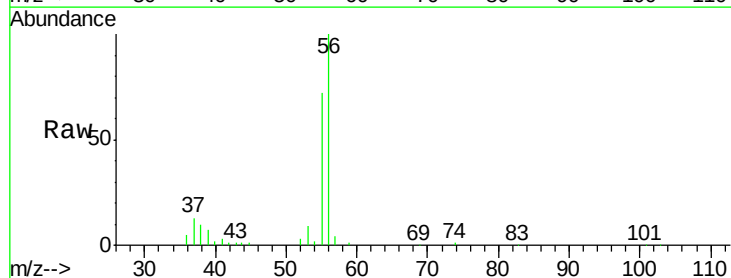
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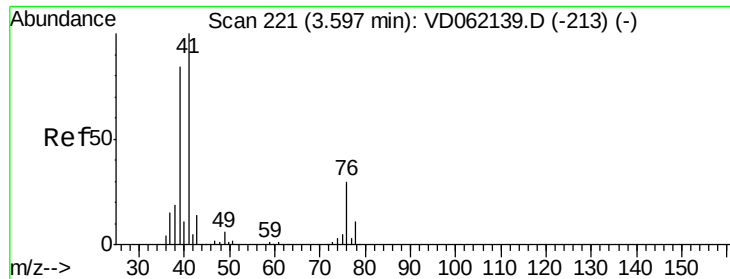
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#13
 Acrolein
 Concen: 567.835 ug/l
 RT: 3.02 min Scan# 162
 Delta R.T. 0.01 min
 Lab File: VD062141.D
 Acq: 7 May 2019 14:03

Tgt Ion	Ratio	Lower	Upper
56	100		
55	72.3	51.4	77.2





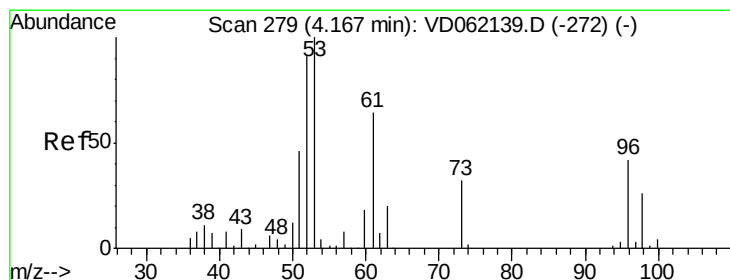
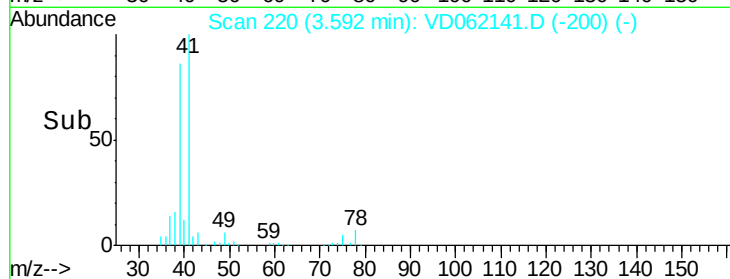
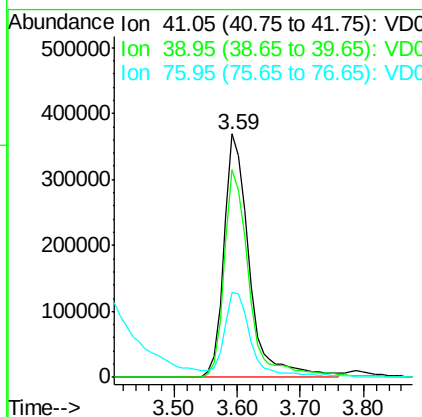
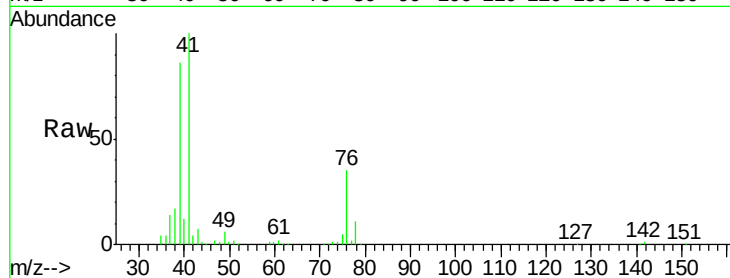
#14
Allvl chloride
Concen: 100.397 ug/l
RT: 3.59 min Scan# 220
Delta R.T. -0.00 min
Lab File: VD062141.D
Acq: 7 May 2019 14:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
41	100		
39	85.5	60.5	90.7
76	34.7	31.8	47.8

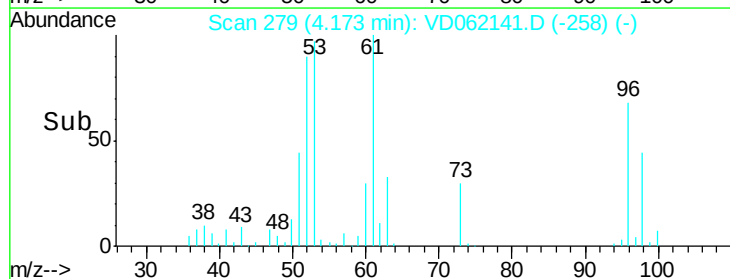
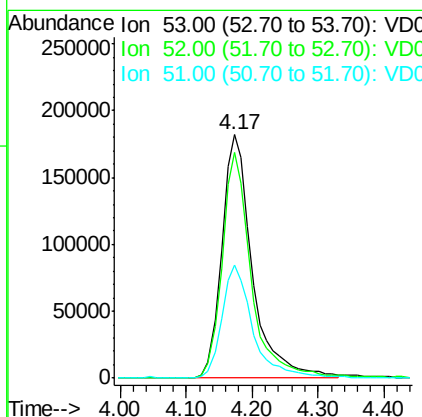
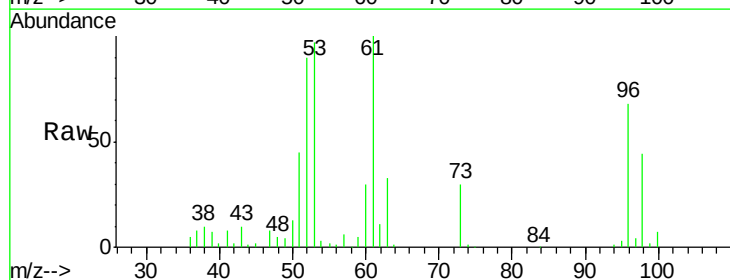
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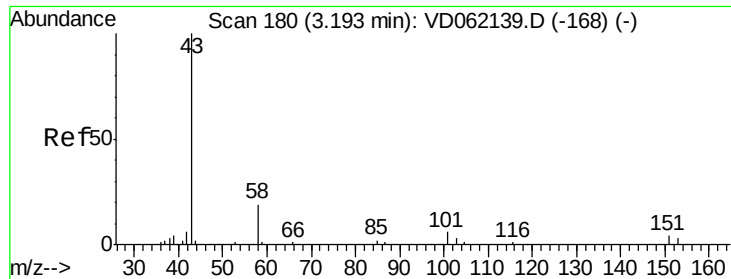
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#15
Acrylonitrile
Concen: 544.635 ug/l
RT: 4.17 min Scan# 279
Delta R.T. 0.01 min
Lab File: VD062141.D
Acq: 7 May 2019 14:03

Tgt Ion	Ratio	Lower	Upper
53	100		
52	92.7	65.0	97.4
51	46.4	32.6	48.8





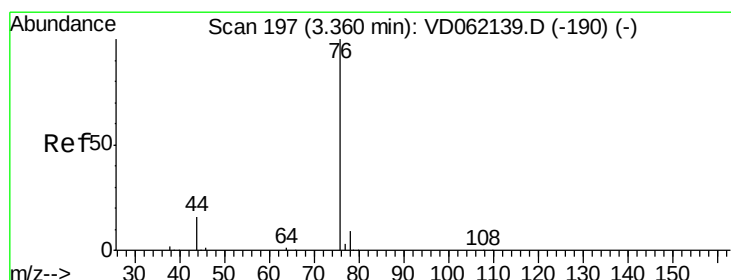
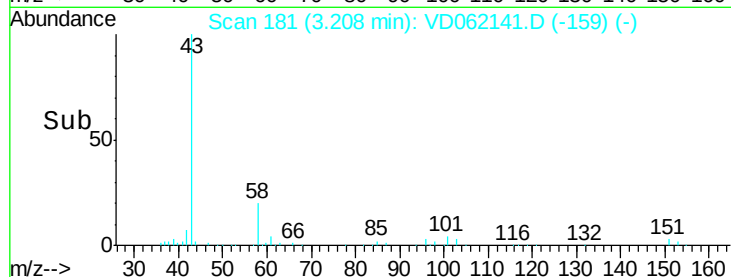
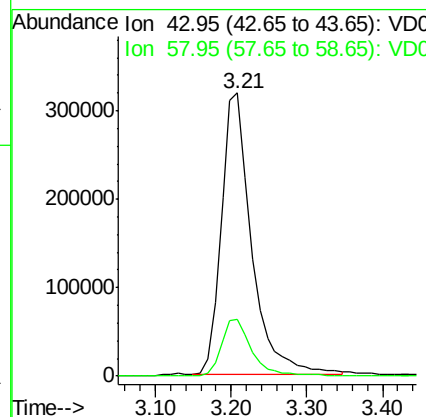
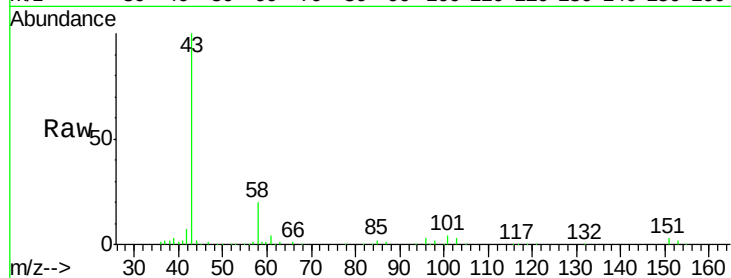
#16
Acetone
Concen: 498.820 ug/l
RT: 3.21 min Scan# 181
Delta R.T. 0.02 min
Lab File: VD062141.D
Acq: 7 May 2019 14:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 882546
Ion Ratio Lower Upper
43 100
58 19.9 19.9 29.9#

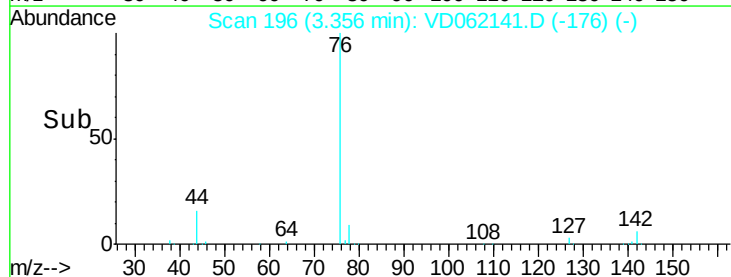
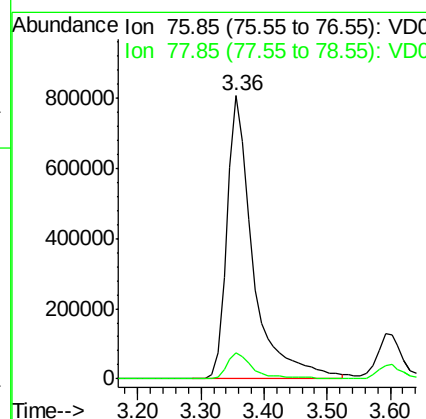
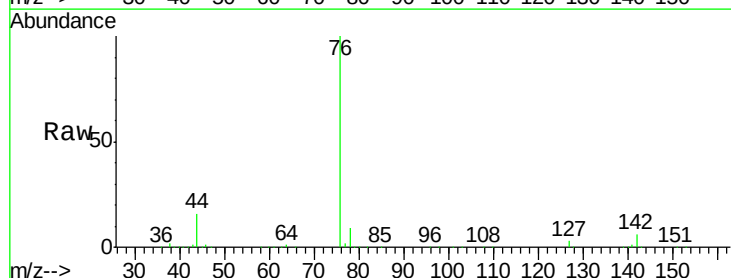
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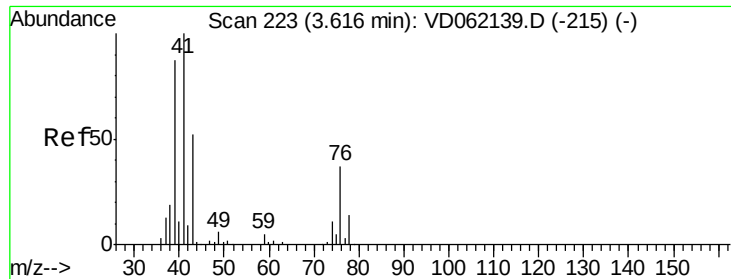
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#17
Carbon Disulfide
Concen: 115.501 ug/l
RT: 3.36 min Scan# 196
Delta R.T. -0.00 min
Lab File: VD062141.D
Acq: 7 May 2019 14:03

Tgt Ion: 76 Resp: 2321775
Ion Ratio Lower Upper
76 100
78 9.2 7.2 10.8





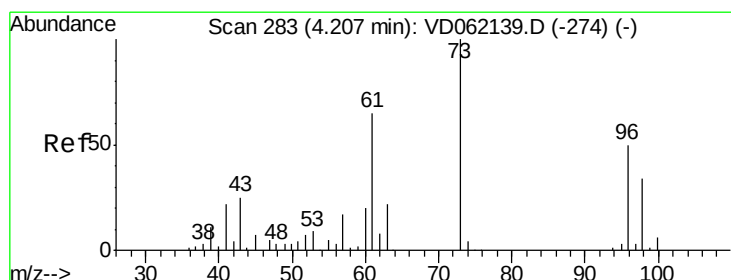
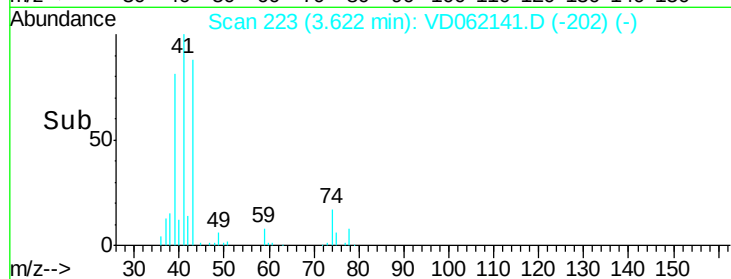
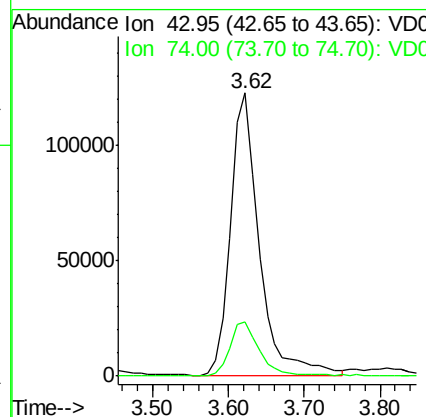
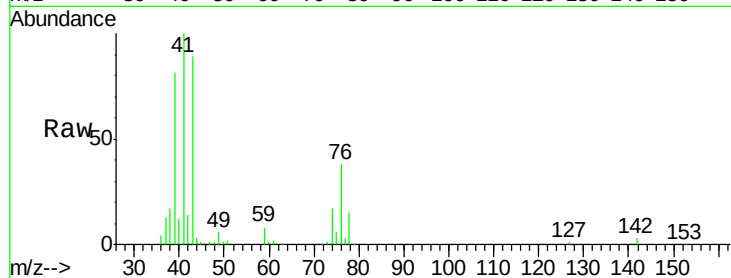
#18
Methyl Acetate
Concen: 106.569 ug/l
RT: 3.62 min Scan# 223
Delta R.T. 0.01 min
Lab File: VD062141.D
Acq: 7 May 2019 14:03

Instrument :
MSVOA_D
ClientSampleID :
VSTDIC100

Tot Ion: 43 Resp: 319603
Ion Ratio Lower Upper
43 100
74 19.0 18.0 27.0

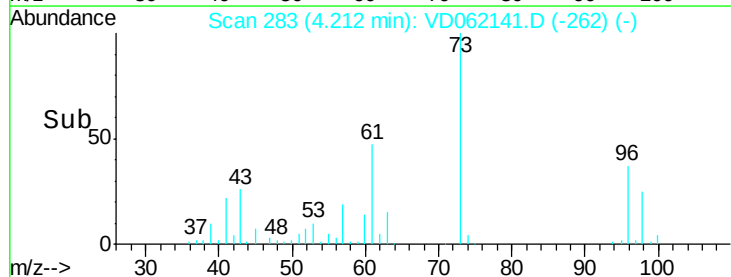
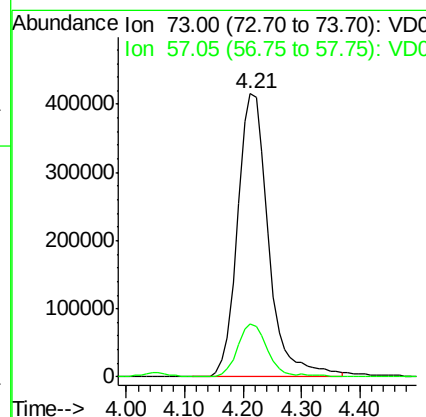
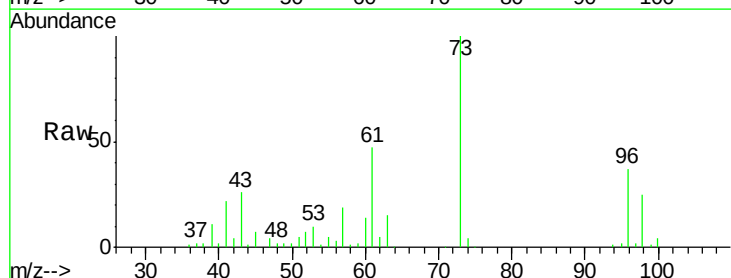
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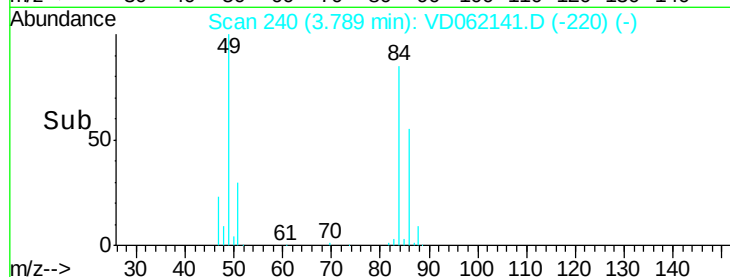
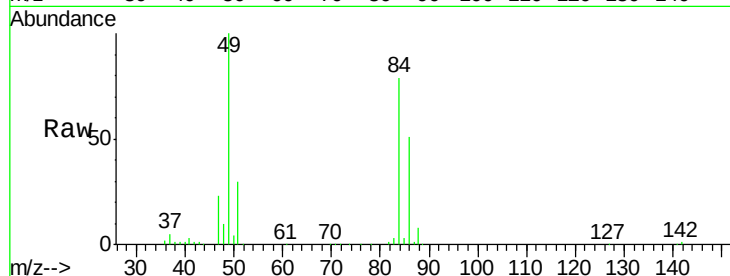
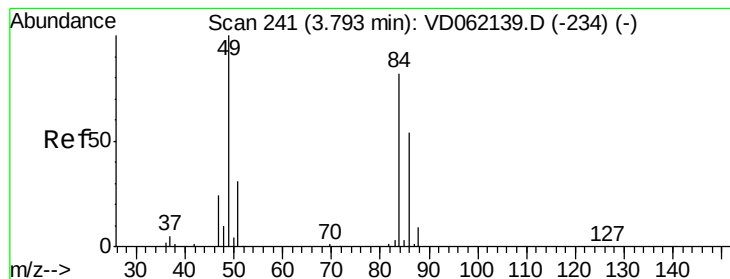
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#19
Methyl tert-butyl Ether
Concen: 104.745 ug/l
RT: 4.21 min Scan# 283
Delta R.T. 0.01 min
Lab File: VD062141.D
Acq: 7 May 2019 14:03

Tgt Ion: 73 Resp: 1530962
Ion Ratio Lower Upper
73 100
57 18.8 16.3 24.5





#20

Methylene Chloride

Concen: 112.433 ug/l

RT: 3.79 min Scan# 240

Delta R.T. -0.00 min

Lab File: VD062141.D

Acq: 7 May 2019 14:03

Tot Ion:	84	Resp:	786600
Ion	Ratio	Lower	Upper
84	100		
49	126.6	94.0	141.0
51	38.5	29.0	43.4
86	64.9	49.8	74.6

Instrument :

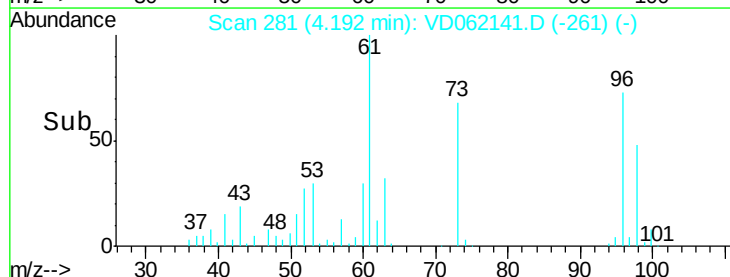
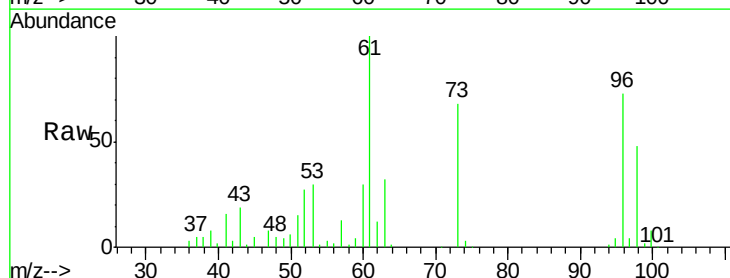
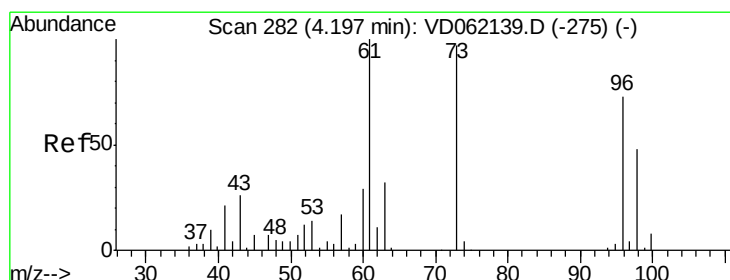
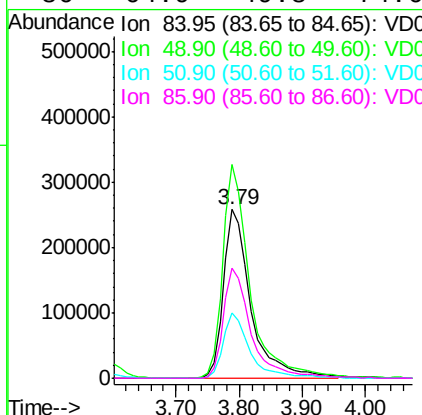
MSVOA_D

ClientSampleId :

VSTDIC100

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#21

trans-1,2-Dichloroethene

Concen: 100.067 ug/l

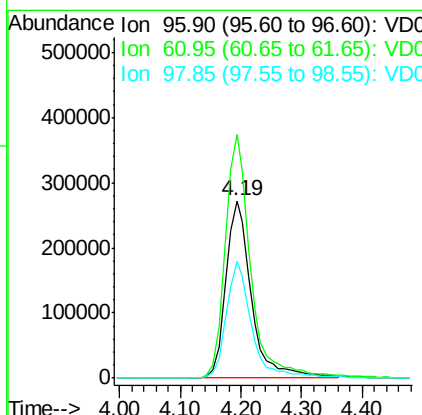
RT: 4.19 min Scan# 281

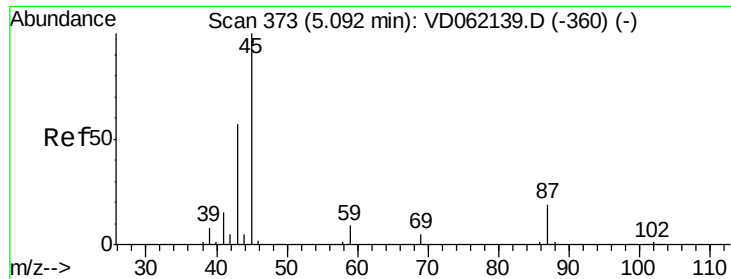
Delta R.T. -0.00 min

Lab File: VD062141.D

Acq: 7 May 2019 14:03

Tgt Ion:	96	Resp:	798296
Ion	Ratio	Lower	Upper
96	100		
61	137.1	104.4	156.6
98	65.6	51.8	77.8





#22

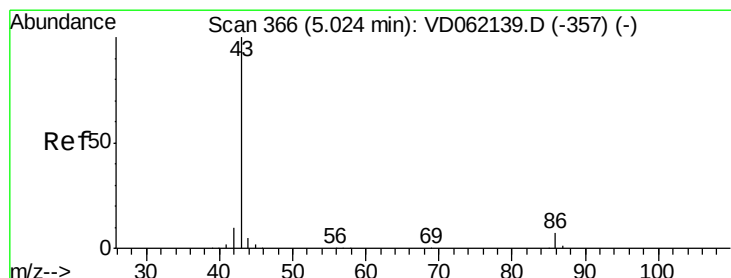
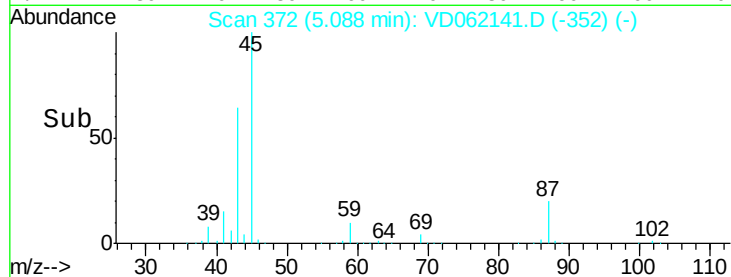
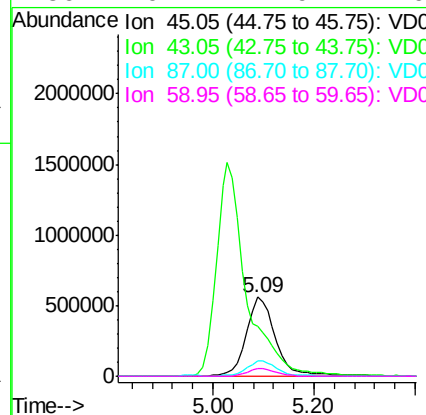
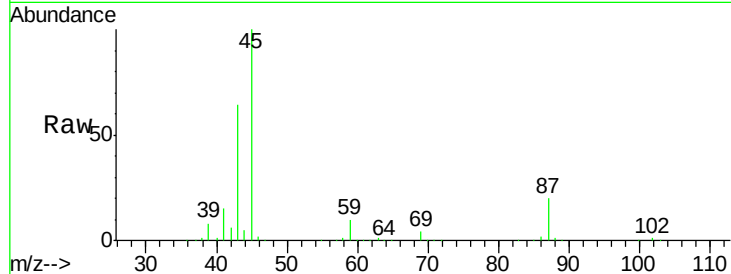
Diisopropyl ether
Concen: 106.833 ug/l
RT: 5.09 min Scan# 372
Delta R.T. -0.00 min
Lab File: VD062141.D
Acq: 7 May 2019 14:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion:	45	Resp:	2236050
Ion	Ratio	Lower	Upper
45	100		
43	64.1	46.2	69.2
87	19.9	15.9	23.9
59	9.7	7.9	11.9

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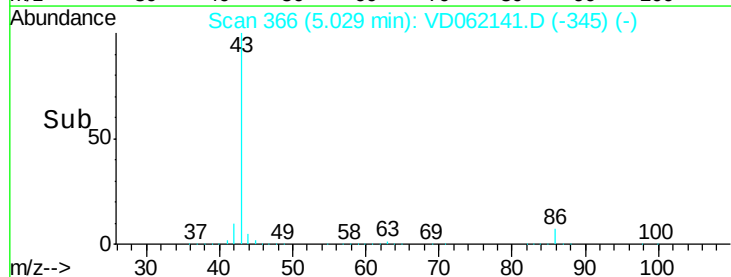
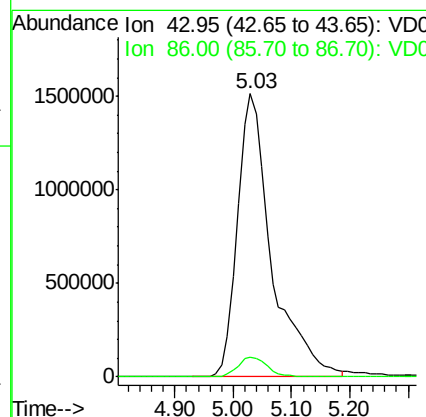
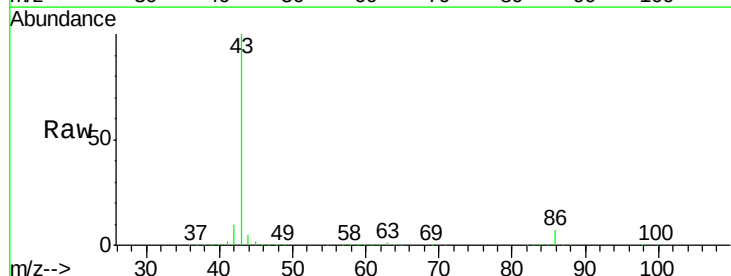
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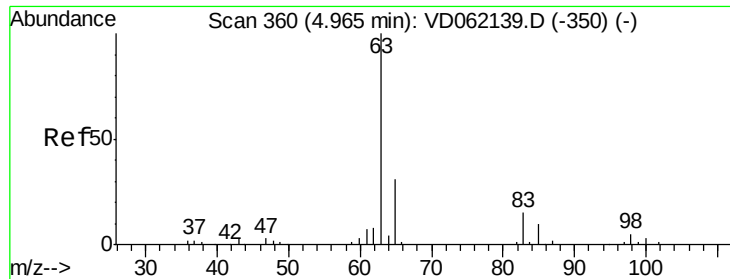


#23

Vinyl Acetate
Concen: 540.130 ug/l
RT: 5.03 min Scan# 366
Delta R.T. 0.01 min
Lab File: VD062141.D
Acq: 7 May 2019 14:03

Tgt Ion:	43	Resp:	6183766
Ion	Ratio	Lower	Upper
43	100		
86	6.8	6.4	9.6





#24

1,1-Dichloroethane

Concen: 117.520 ug/l

RT: 4.96 min Scan# 359

Delta R.T. -0.00 min

Lab File: VD062141.D

Acq: 7 May 2019 14:03

Instrument :

MSVOA_D

ClientSampleID :

VSTDIC100

Tot Ion: 63 Resp: 1444695

Ion Ratio Lower Upper

63 100

98 5.8 2.8 8.4

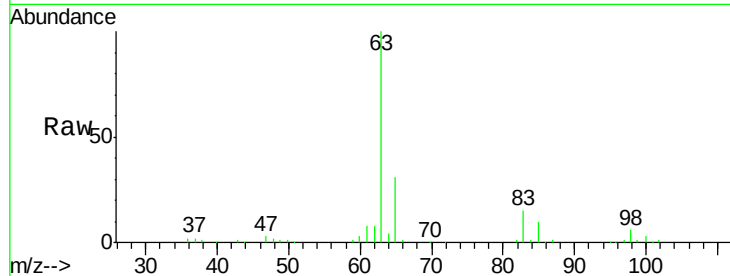
100 3.4 1.8 5.5

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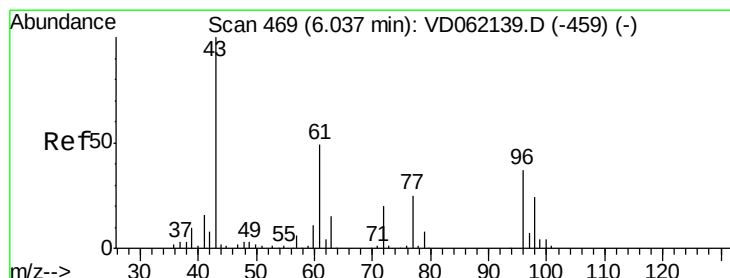
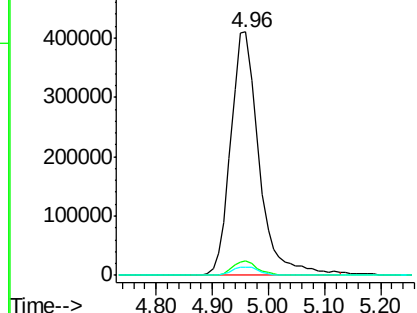
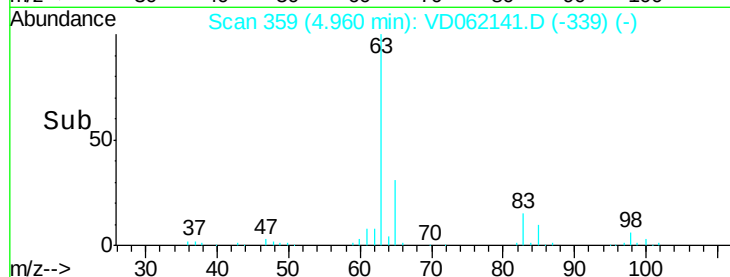
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Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC



#25

2-Butanone

Concen: 589.179 ug/l

RT: 6.04 min Scan# 469

Delta R.T. 0.01 min

Lab File: VD062141.D

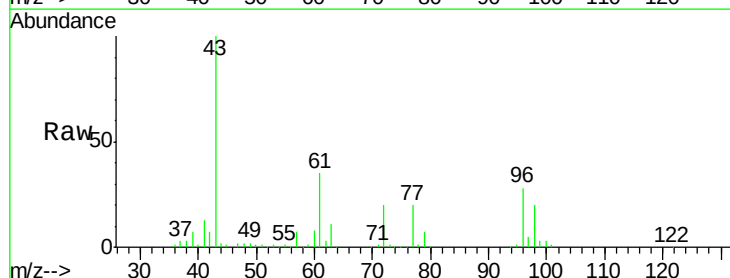
Acq: 7 May 2019 14:03

Tgt Ion: 43 Resp: 1065404

Ion Ratio Lower Upper

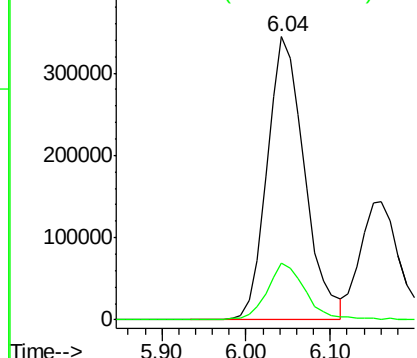
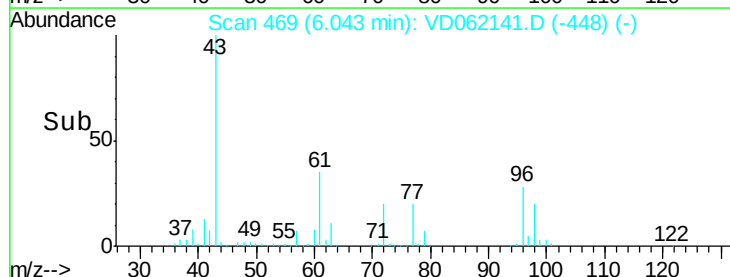
43 100

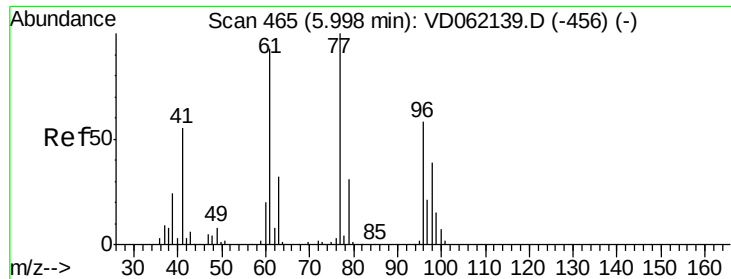
72 20.2 16.2 24.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC





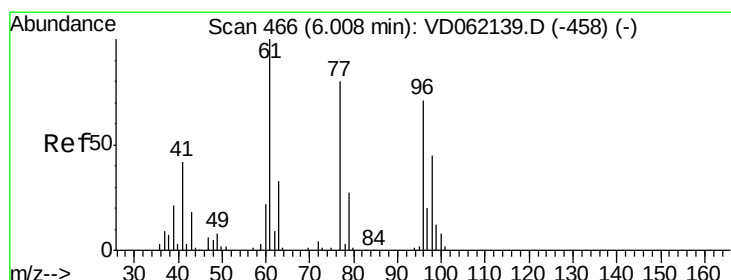
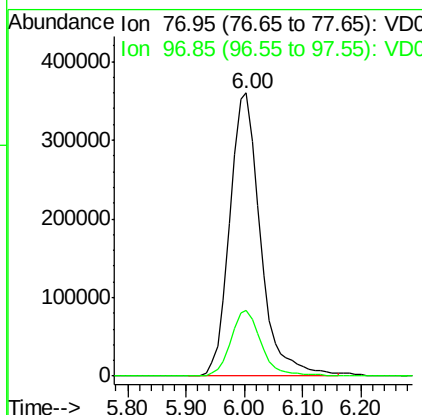
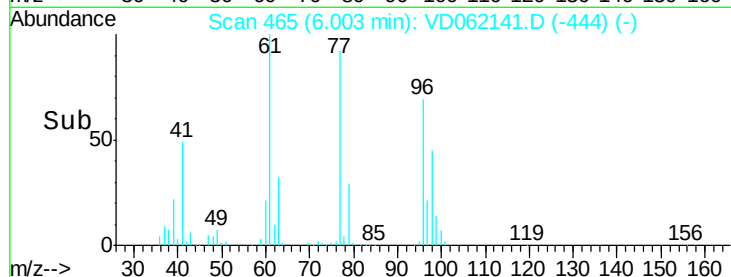
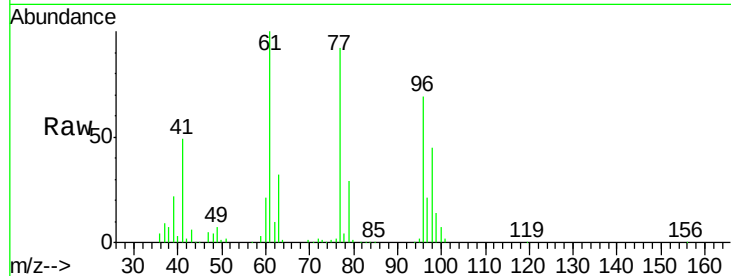
#26
 2,2-Dichloropropane
 Concen: 108.288 ug/l
 RT: 6.00 min Scan# 465
 Delta R.T. 0.01 min
 Lab File: VD062141.D
 Acq: 7 May 2019 14:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion: 77 Resp: 1318556
 Ion Ratio Lower Upper
 77 100
 97 23.3 11.9 35.9

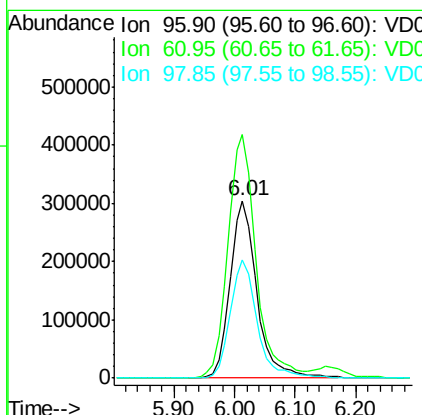
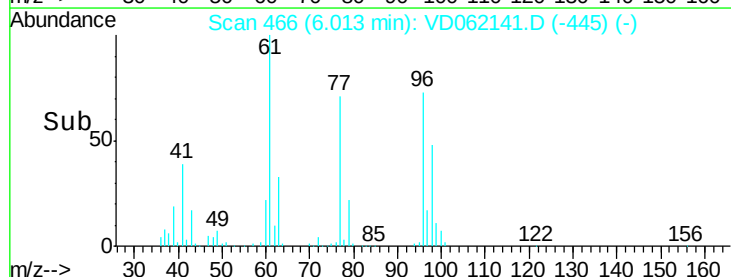
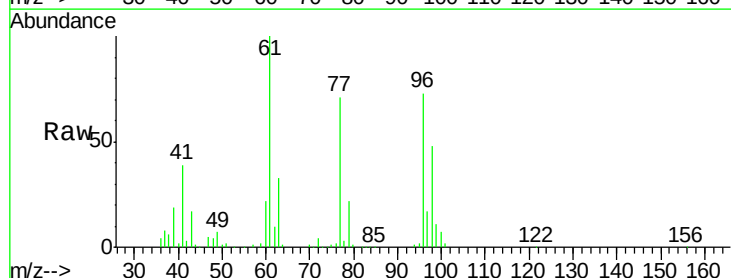
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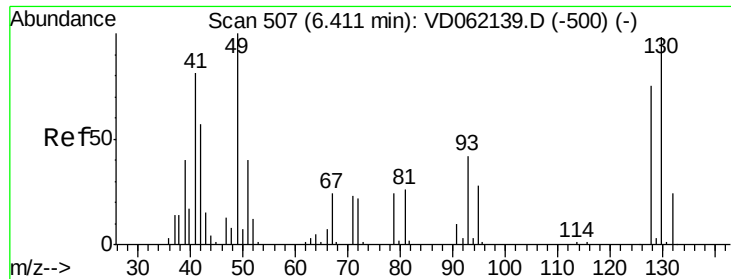
MMDadoda
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#27
 cis-1,2-Dichloroethene
 Concen: 114.050 ug/l
 RT: 6.01 min Scan# 466
 Delta R.T. 0.01 min
 Lab File: VD062141.D
 Acq: 7 May 2019 14:03

Tgt Ion: 96 Resp: 938252
 Ion Ratio Lower Upper
 96 100
 61 137.4 0.0 279.8
 98 66.5 0.0 136.0





#28

Bromochloromethane

Concen: 111.441 ug/l

RT: 6.42 min Scan# 507

Delta R.T. 0.01 min

Lab File: VD062141.D

Acq: 7 May 2019 14:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 49 Resp: 545075

Ion Ratio Lower Upper

49 100

129 2.7 0.0 6.6

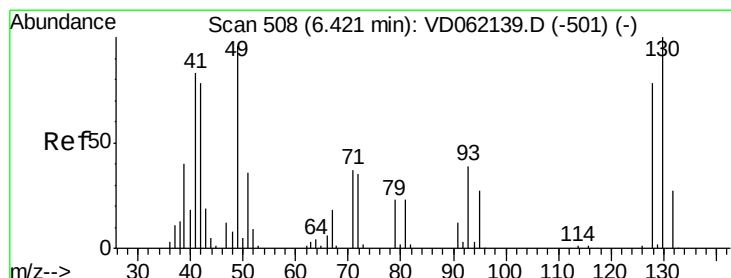
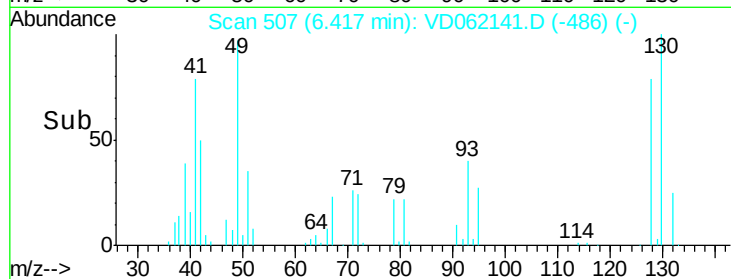
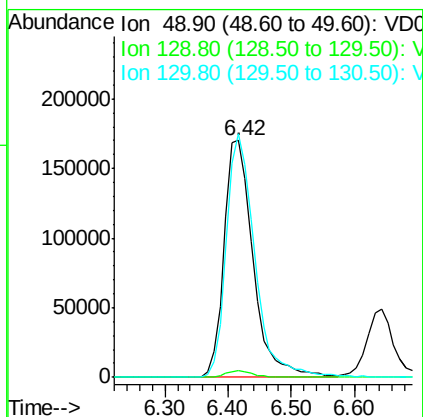
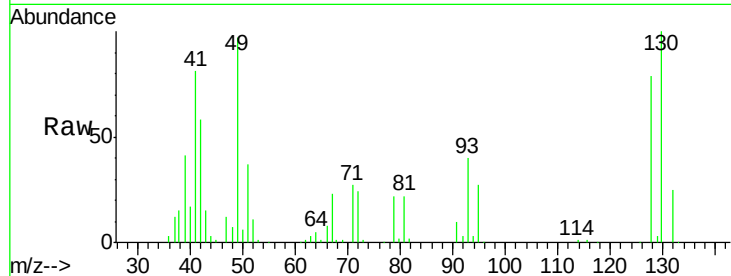
130 102.9 86.7 130.1

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#29

Tetrahydrofuran

Concen: 585.200 ug/l

RT: 6.44 min Scan# 509

Delta R.T. 0.02 min

Lab File: VD062141.D

Acq: 7 May 2019 14:03

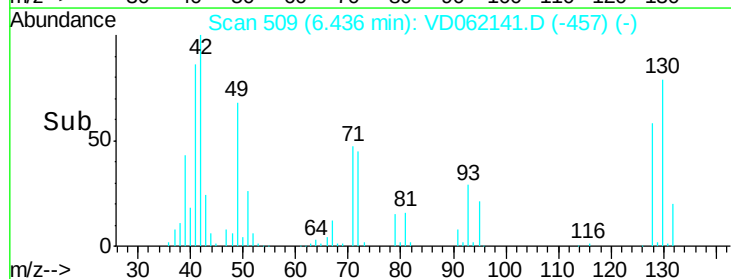
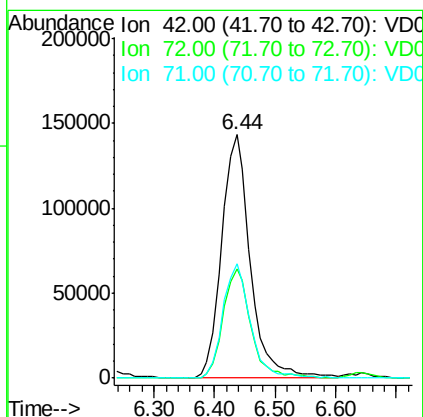
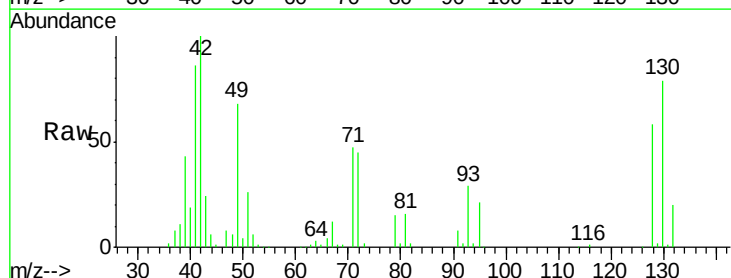
Tgt Ion: 42 Resp: 472477

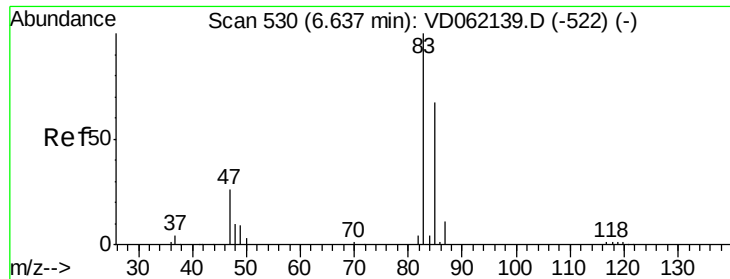
Ion Ratio Lower Upper

42 100

72 43.3 37.8 56.6

71 45.0 36.7 55.1





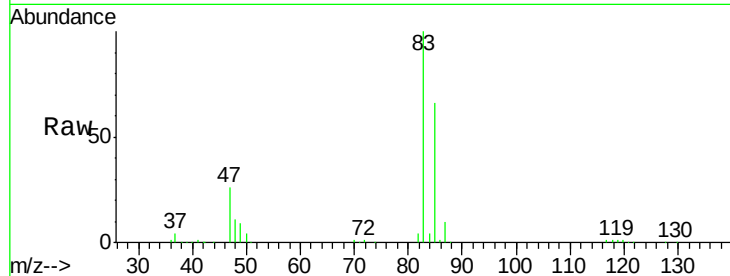
#30
Chloroform
Concen: 106.325 ug/l
RT: 6.64 min Scan# 530
Delta R.T. 0.01 min
Lab File: VD062141.D
Acq: 7 May 2019 14:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

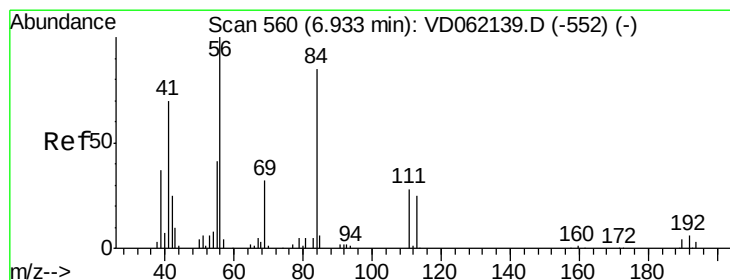
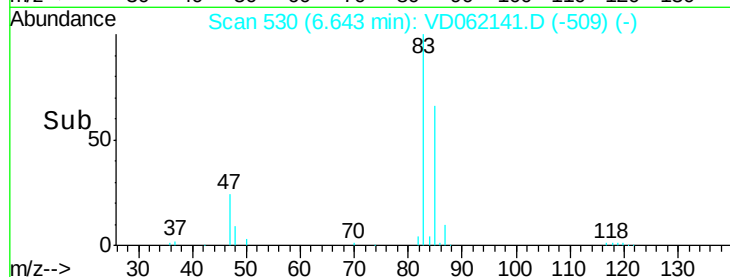
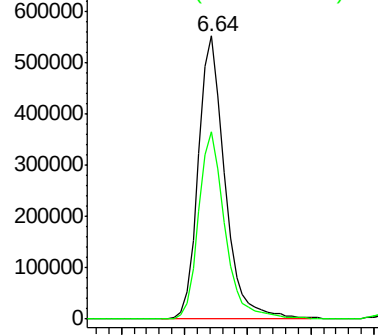
Tot Ion: 83 Resp: 1614923
Ion Ratio Lower Upper
83 100
85 66.1 51.7 77.5

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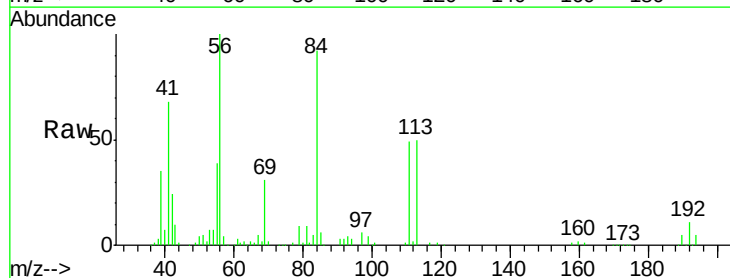


Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC

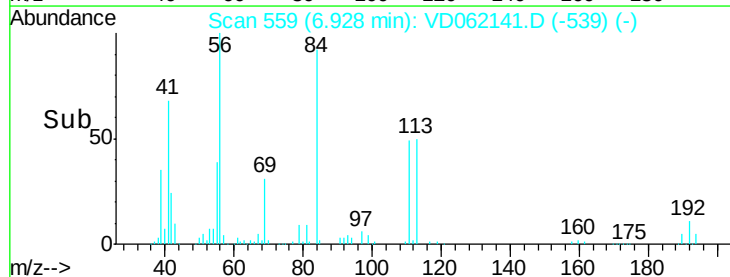
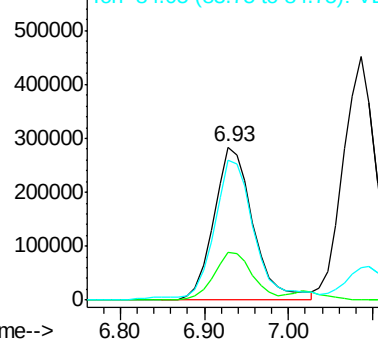


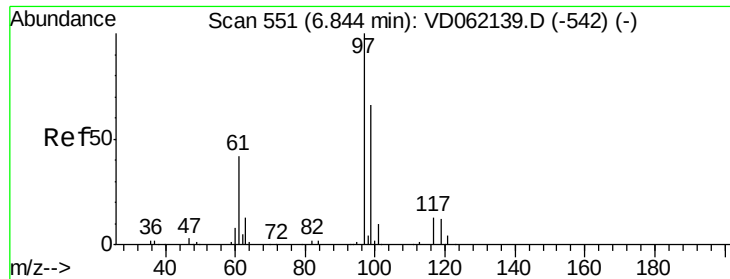
#31
Cyclohexane
Concen: 104.552 ug/l
RT: 6.93 min Scan# 559
Delta R.T. -0.00 min
Lab File: VD062141.D
Acq: 7 May 2019 14:03

Tgt Ion: 56 Resp: 928443
Ion Ratio Lower Upper
56 100
69 30.9 25.8 38.6
84 92.0 72.2 108.4



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC





#32

1,1,1-Trichloroethane

Concen: 97.342 ug/l

RT: 6.85 min Scan# 551

Delta R.T. 0.01 min

Lab File: VD062141.D

Acq: 7 May 2019 14:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 97 Resp: 1431008

Ion Ratio Lower Upper

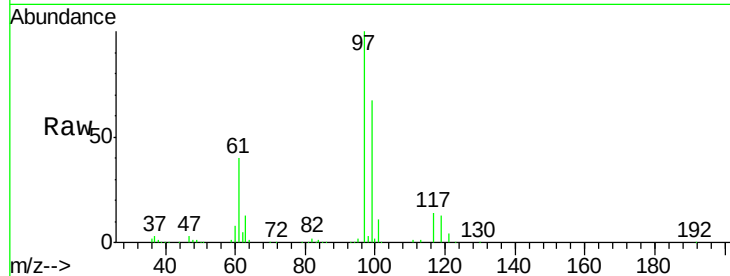
97 100

99 67.4 52.2 78.2

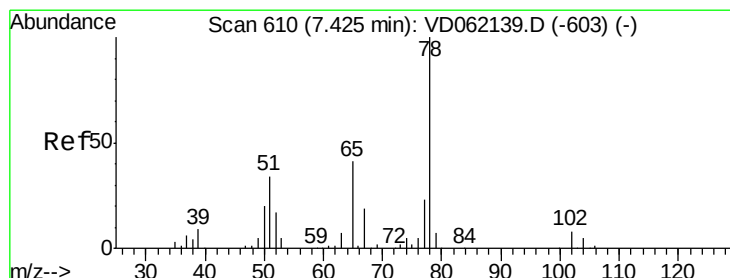
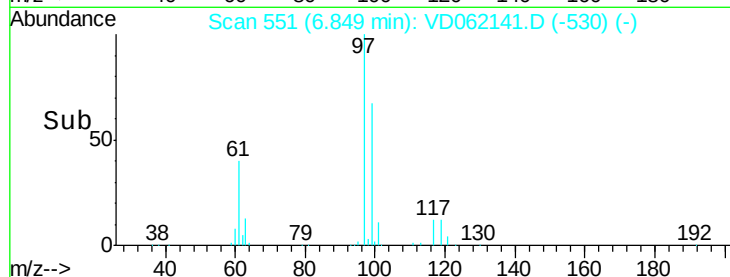
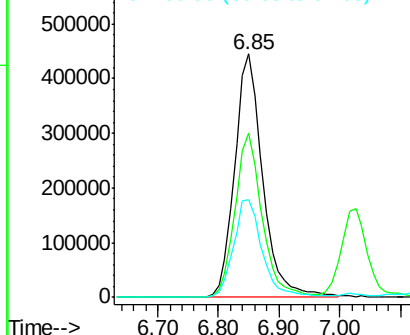
61 40.4 32.4 48.6

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Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC



#33

1,2-Dichloroethane-d4

Concen: 102.146 ug/l

RT: 7.43 min Scan# 610

Delta R.T. 0.01 min

Lab File: VD062141.D

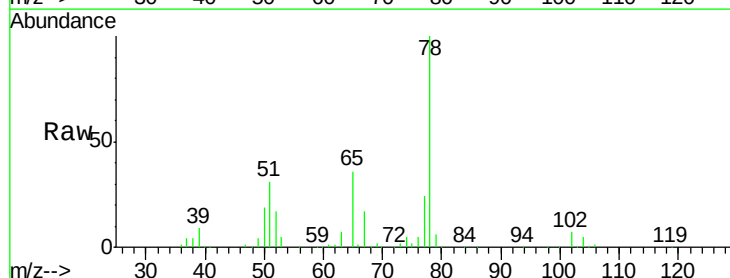
Acq: 7 May 2019 14:03

Tgt Ion: 65 Resp: 860490

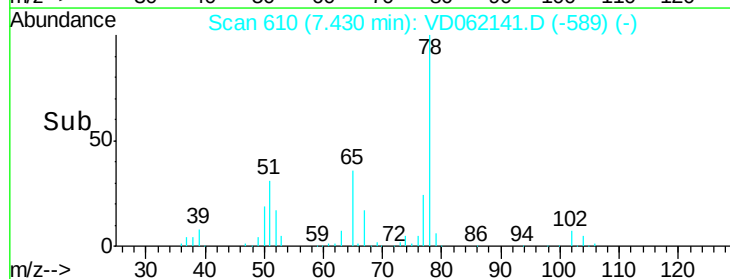
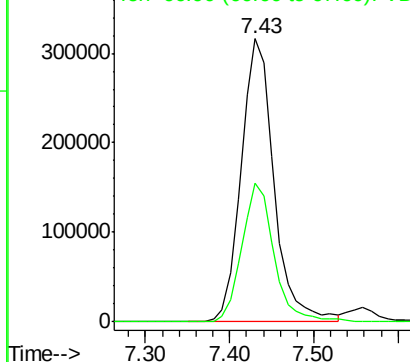
Ion Ratio Lower Upper

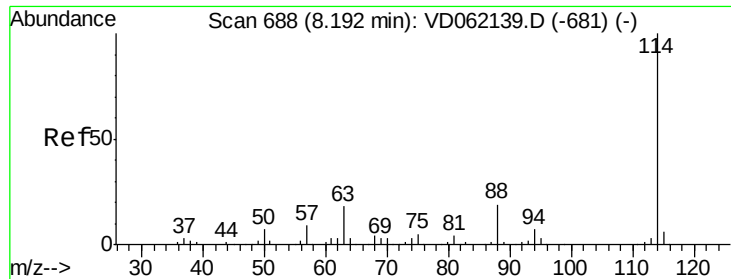
65 100

67 48.9 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC





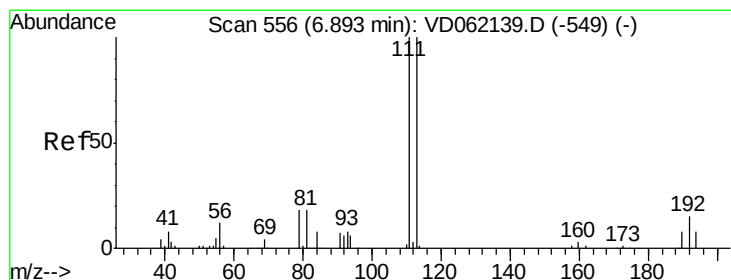
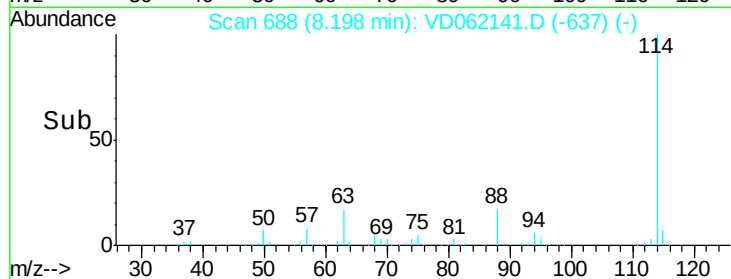
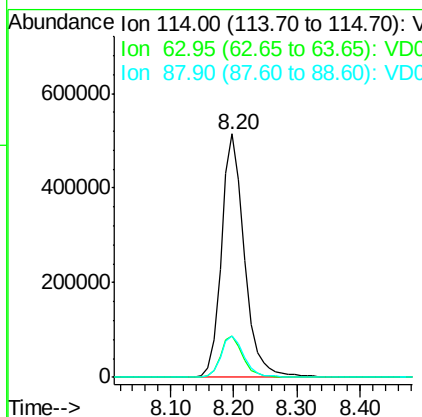
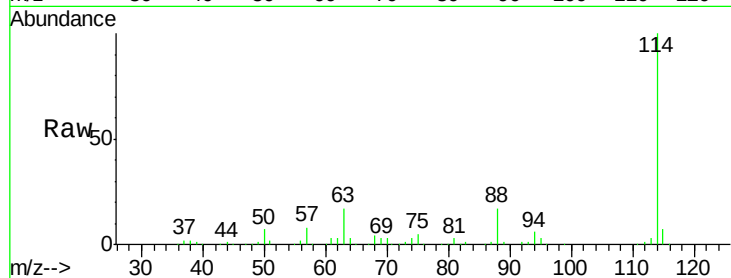
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.20 min Scan# 688
 Delta R.T. 0.01 min
 Lab File: VD062141.D
 Acq: 7 May 2019 14:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
114	100		
63	17.0	0.0	32.4
88	17.1	0.0	33.6

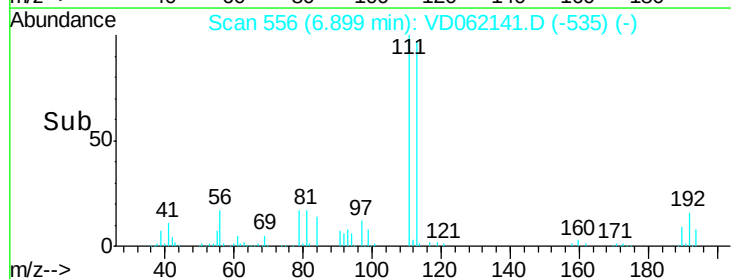
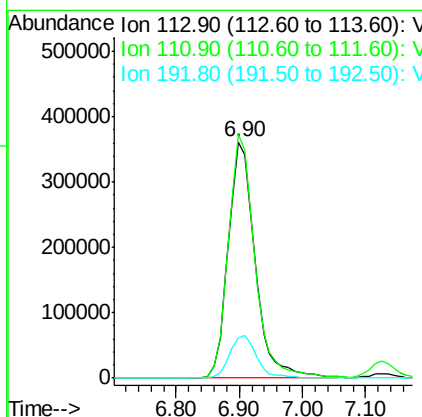
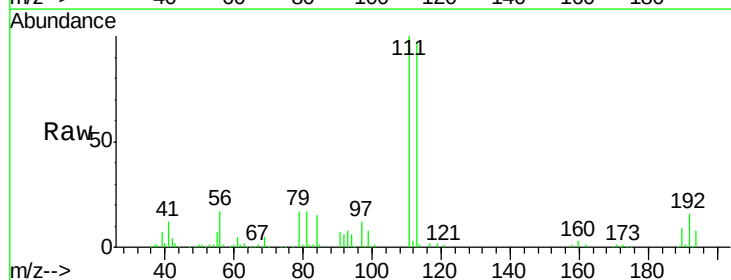
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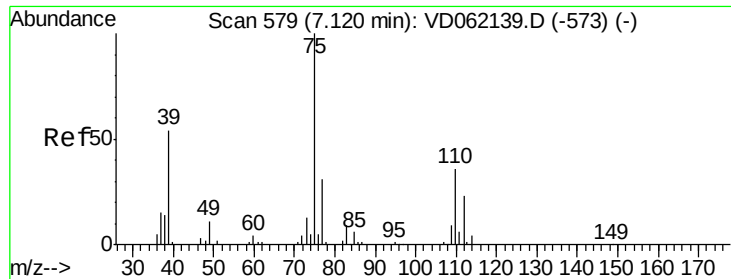
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#35
 Dibromofluoromethane
 Concen: 90.226 ug/l
 RT: 6.90 min Scan# 556
 Delta R.T. 0.01 min
 Lab File: VD062141.D
 Acq: 7 May 2019 14:03

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.1	78.5	117.7
192	17.0	13.0	19.4





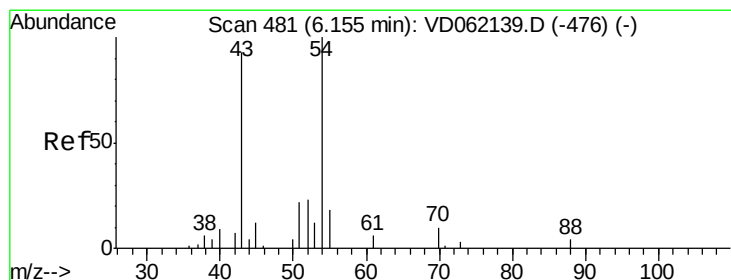
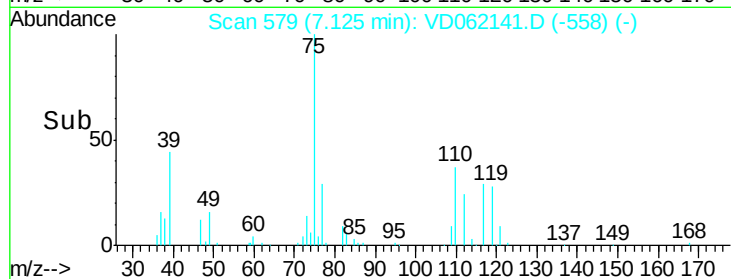
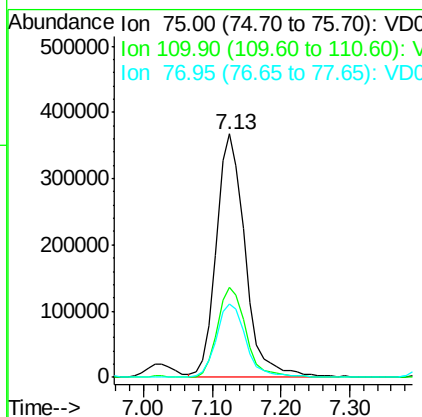
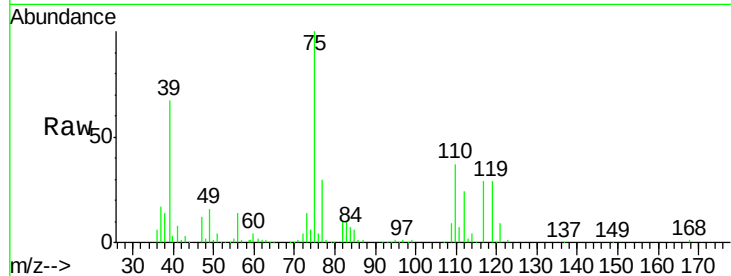
#36
 1,1-Dichloropropene
 Concen: 97.322 ug/l
 RT: 7.13 min Scan# 579
 Delta R.T. 0.01 min
 Lab File: VD062141.D
 Acq: 7 May 2019 14:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
110	37.0	19.1	57.1
77	30.0	25.6	38.4

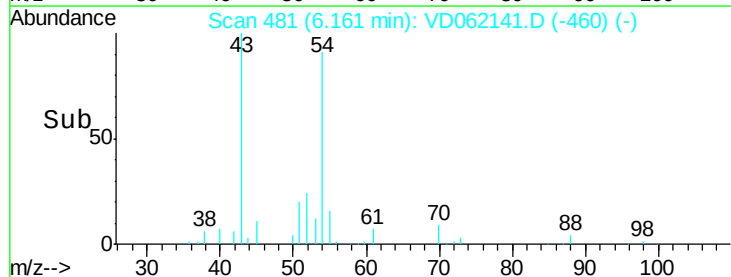
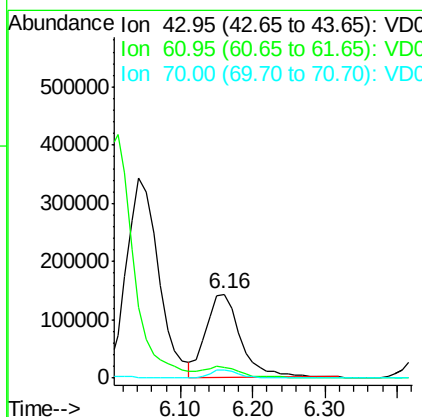
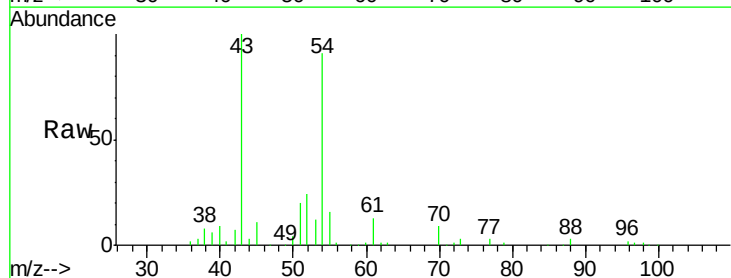
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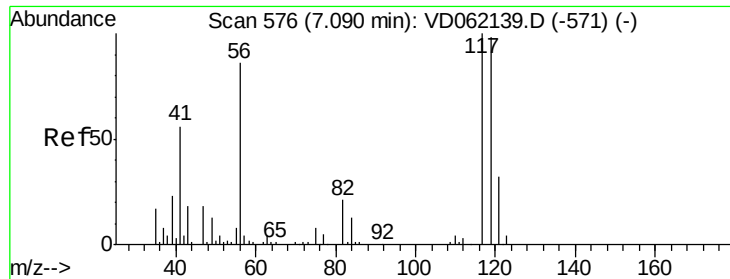
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#37
 Ethyl Acetate
 Concen: 100.000 ug/l
 RT: 6.16 min Scan# 481
 Delta R.T. 0.01 min
 Lab File: VD062141.D
 Acq: 7 May 2019 14:03

Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.5	14.7	22.1#
70	9.1	7.8	11.6





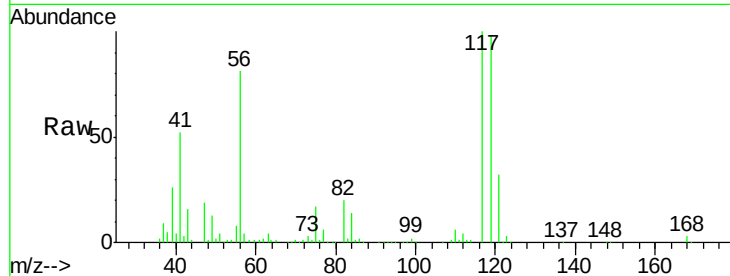
#38
Carbon Tetrachloride
Concen: 93.344 ug/l m
RT: 7.10 min Scan# 576
Delta R.T. 0.01 min
Lab File: VD062141.D
Acq: 7 May 2019 14:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

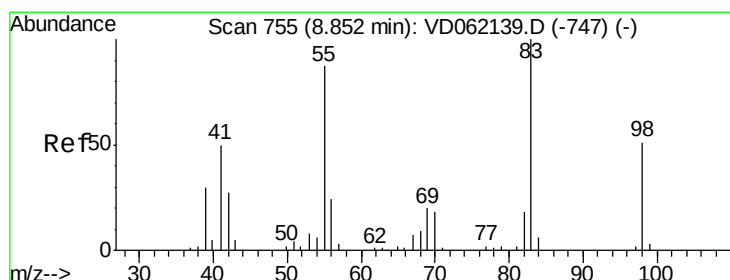
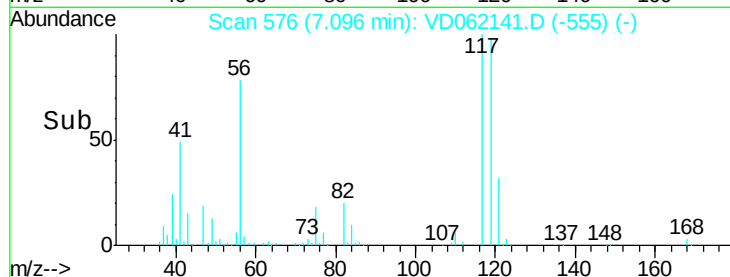
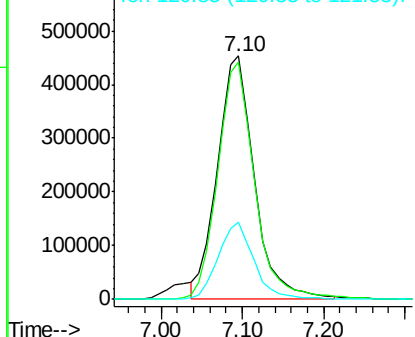
Tot Ion:117 Resp: 1436818
Ion Ratio Lower Upper
117 100
119 97.7 75.8 113.8
121 31.9 25.9 38.9

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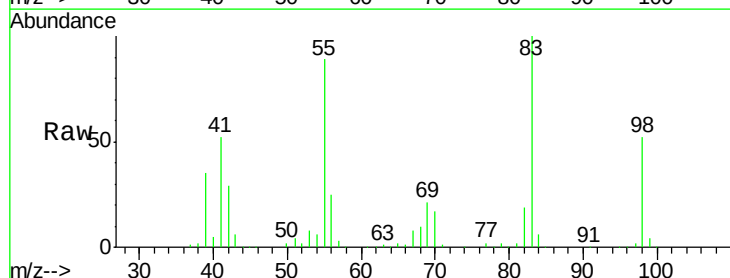


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

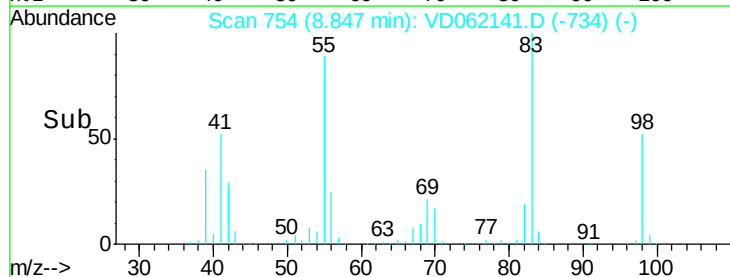
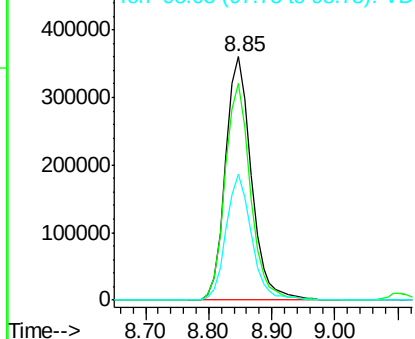


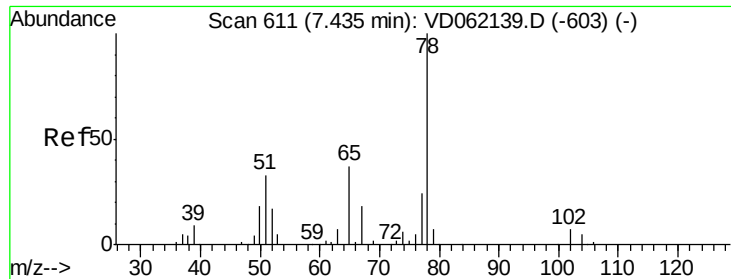
#39
Methylcyclohexane
Concen: 93.869 ug/l
RT: 8.85 min Scan# 754
Delta R.T. -0.00 min
Lab File: VD062141.D
Acq: 7 May 2019 14:03

Tgt Ion: 83 Resp: 1024451
Ion Ratio Lower Upper
83 100
55 89.0 68.2 102.4
98 51.6 38.2 57.4



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





#40

Benzene

Concen: 105.452 ug/l

RT: 7.43 min Scan# 610

Delta R.T. -0.00 min

Lab File: VD062141.D

Acq: 7 May 2019 14:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 78 Resp: 2596248

Ion Ratio Lower Upper

78 100

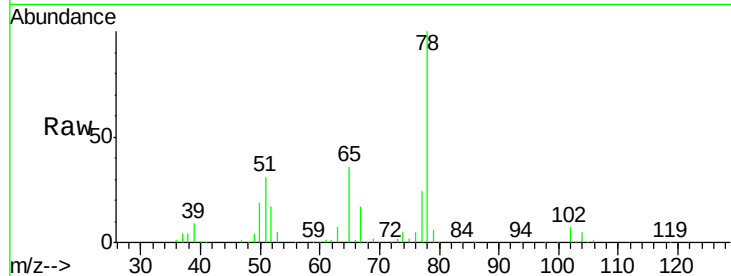
77 24.2 19.7 29.5

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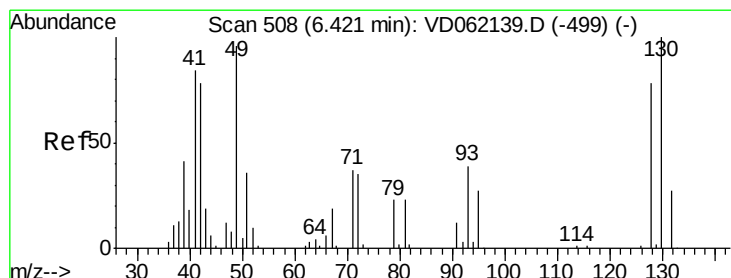
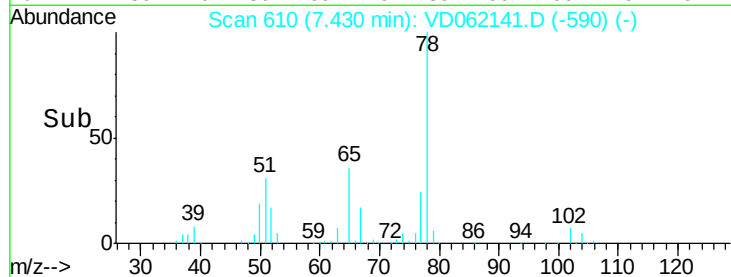
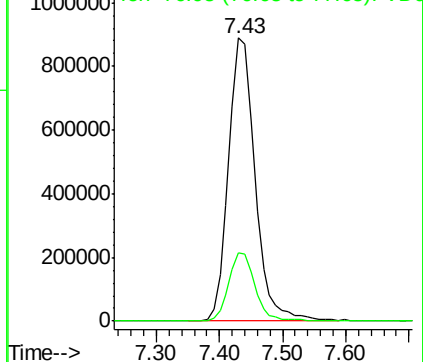
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Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC



#41

Methacrylonitrile

Concen: 105.501 ug/l

RT: 6.42 min Scan# 507

Delta R.T. -0.00 min

Lab File: VD062141.D

Acq: 7 May 2019 14:03

Tgt Ion: 41 Resp: 583374

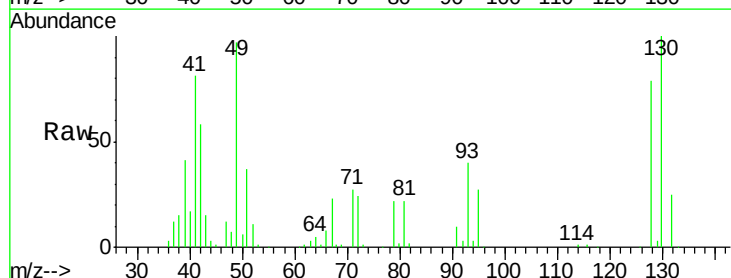
Ion Ratio Lower Upper

41 100

39 50.3 34.1 51.1

67 28.5 23.8 35.6

52 13.2 8.8 13.2

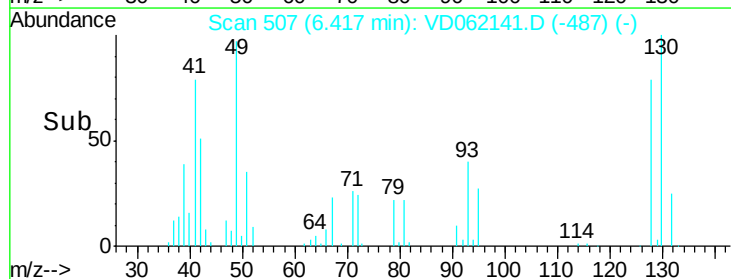
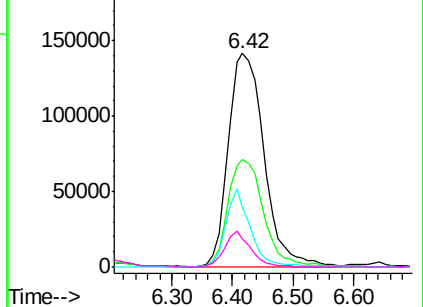


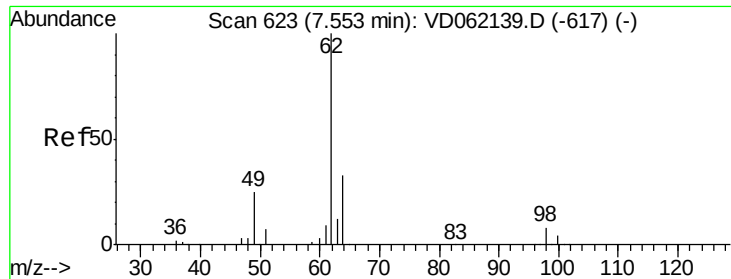
Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC





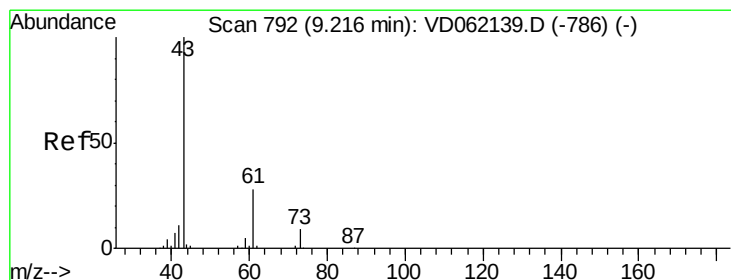
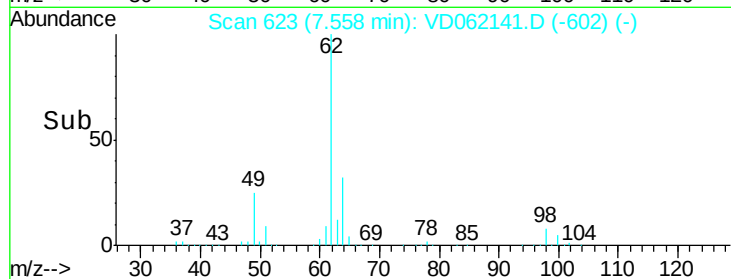
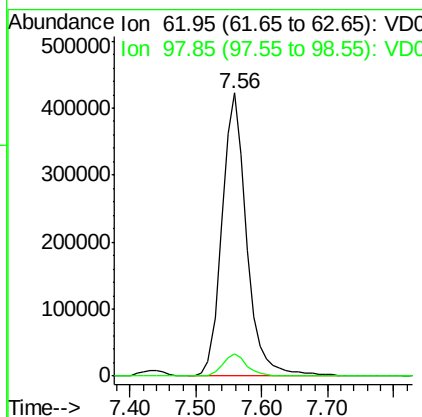
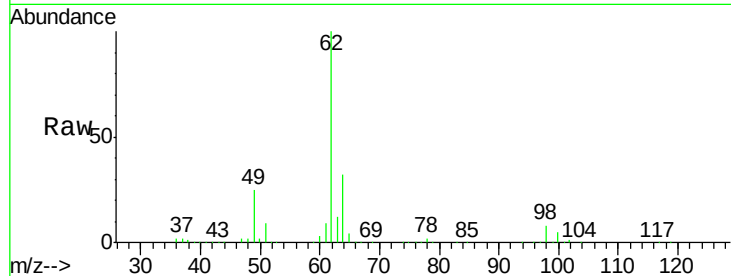
#42
 1,2-Dichloroethane
 Concen: 104.641 ug/l
 RT: 7.56 min Scan# 623
 Delta R.T. 0.01 min
 Lab File: VD062141.D
 Acq: 7 May 2019 14:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion: 62 Resp: 1098904
 Ion Ratio Lower Upper
 62 100
 98 7.7 0.0 17.8

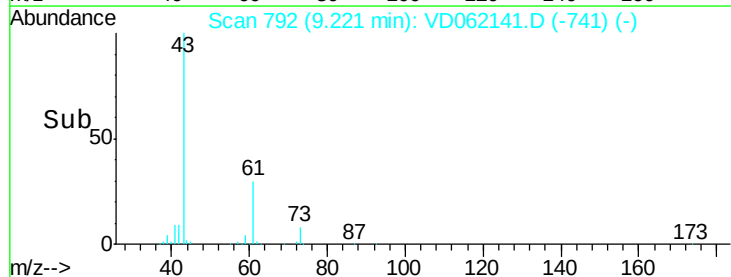
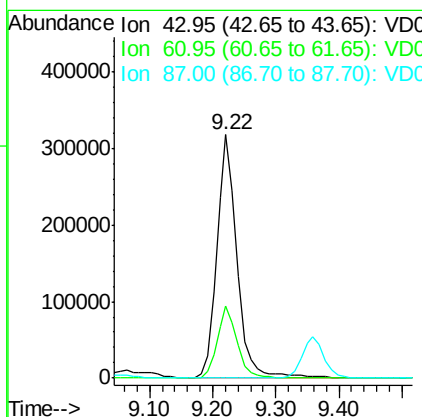
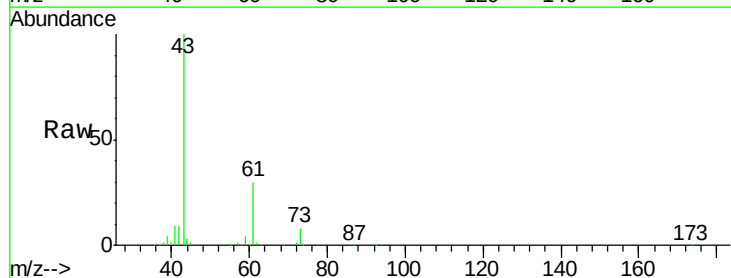
Manual Integrations
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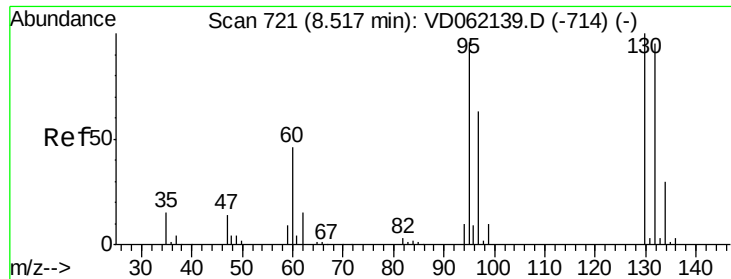
MMDadoda
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#43
 Isopropyl Acetate
 Concen: 109.033 ug/l
 RT: 9.22 min Scan# 792
 Delta R.T. 0.01 min
 Lab File: VD062141.D
 Acq: 7 May 2019 14:03

Tgt Ion: 43 Resp: 714084
 Ion Ratio Lower Upper
 43 100
 61 29.6 25.1 37.7
 87 0.2 0.0 0.0#





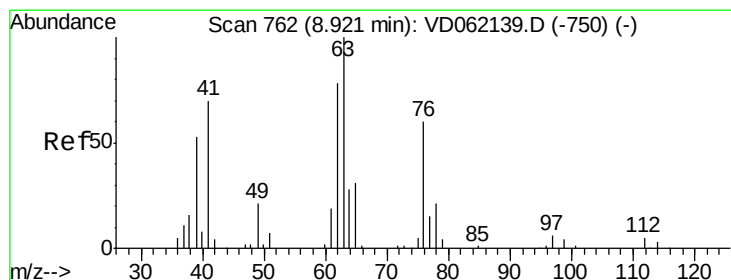
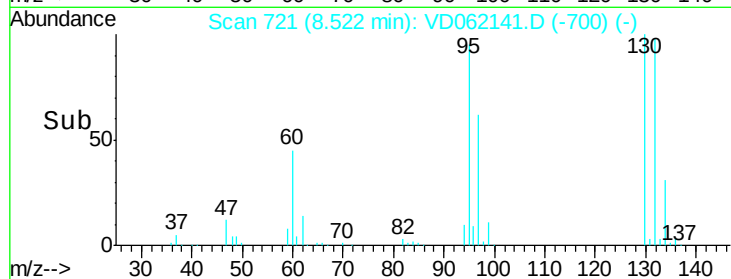
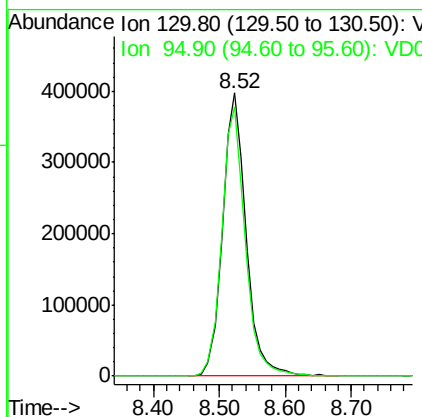
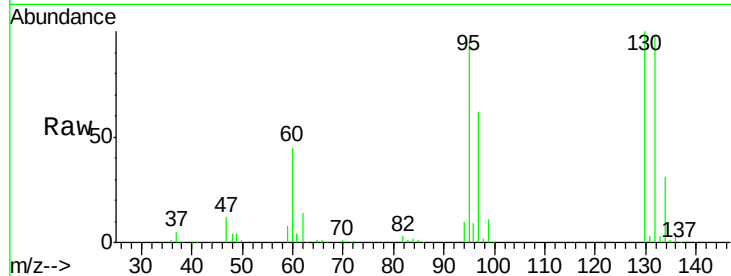
#44
 Trichloroethene
 Concen: 102.375 ug/l
 RT: 8.52 min Scan# 721
 Delta R.T. 0.01 min
 Lab File: VD062141.D
 Acq: 7 May 2019 14:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion:130 Resp: 990902
 Ion Ratio Lower Upper
 130 100
 95 95.1 0.0 174.0

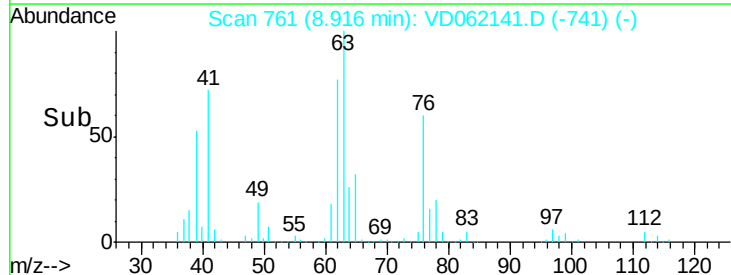
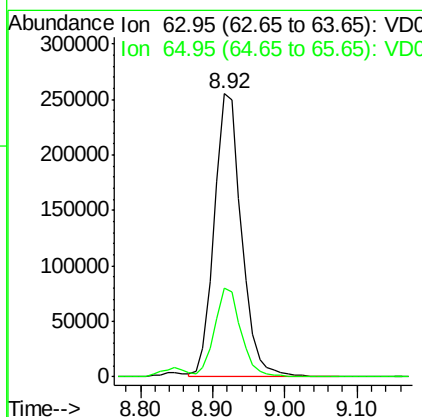
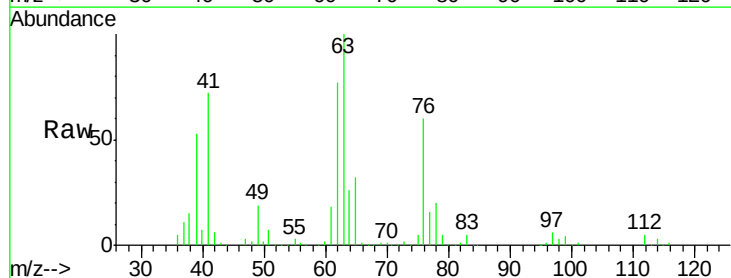
Manual Integrations
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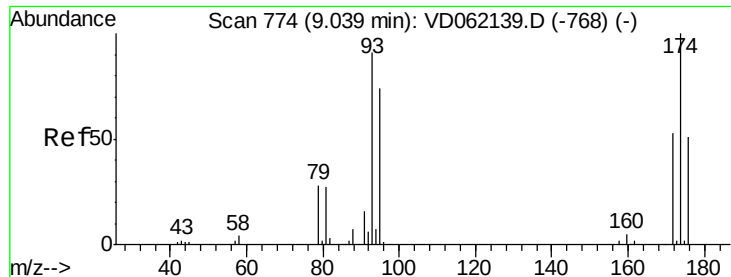
MMDadoda
 5/9/2019 12:56:35 AM



#45
 1,2-Dichloropropane
 Concen: 108.349 ug/l
 RT: 8.92 min Scan# 761
 Delta R.T. -0.00 min
 Lab File: VD062141.D
 Acq: 7 May 2019 14:03

Tgt Ion: 63 Resp: 660353
 Ion Ratio Lower Upper
 63 100
 65 31.5 23.8 35.6





#46

Dibromomethane

Concen: 105.003 ug/l

RT: 9.04 min Scan# 774

Delta R.T. 0.01 min

Lab File: VD062141.D

Acq: 7 May 2019 14:03

Tot Ion:	93	Resp:	525163
Ion	Ratio	Lower	Upper
93	100		
95	85.1	64.8	97.2
174	118.4	79.3	118.9

Instrument :

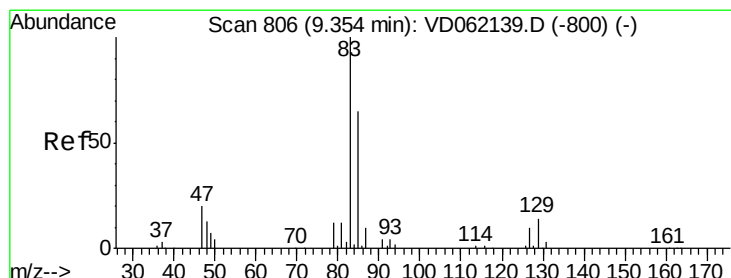
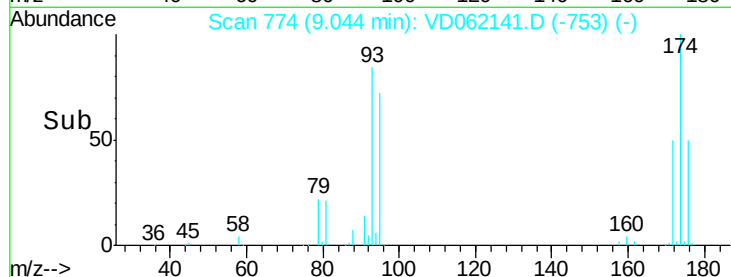
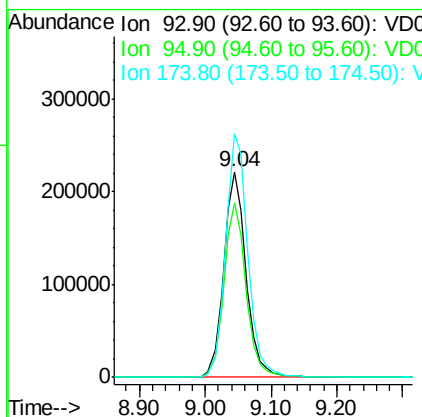
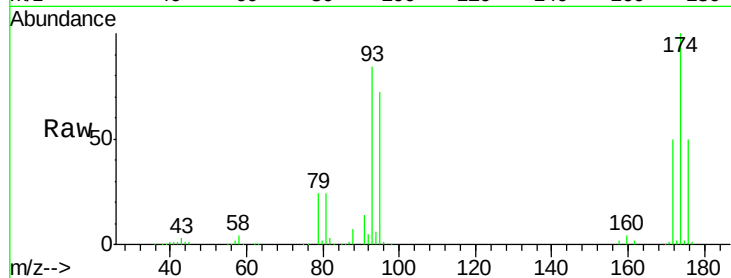
MSVOA_D

ClientSampleId :

VSTDIC100

Manual Integrations
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#47

Bromodichloromethane

Concen: 103.144 ug/l

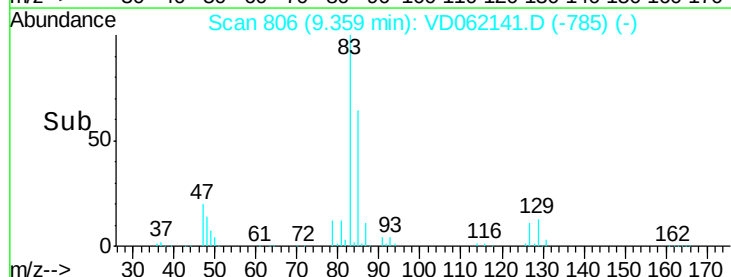
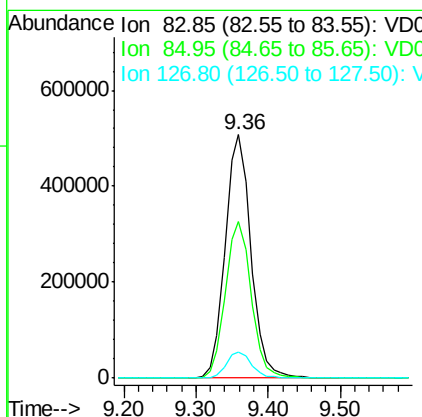
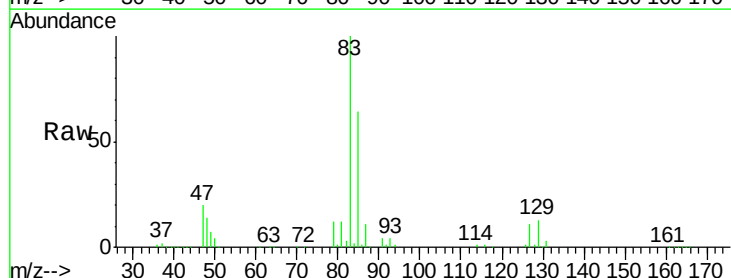
RT: 9.36 min Scan# 806

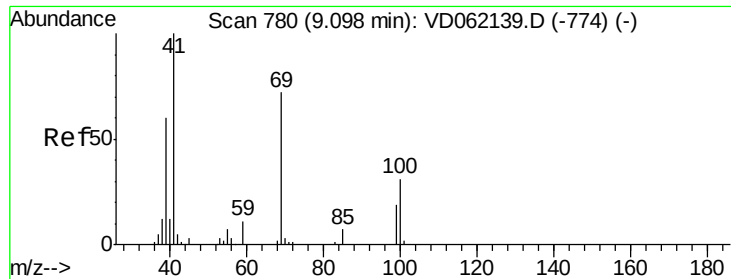
Delta R.T. 0.01 min

Lab File: VD062141.D

Acq: 7 May 2019 14:03

Tgt Ion:	83	Resp:	1259476
Ion	Ratio	Lower	Upper
83	100		
85	64.3	50.9	76.3
127	10.5	8.1	12.1





#48

Methyl methacrylate

Concen: 101.961 ug/l

RT: 9.10 min Scan# 780

Delta R.T. 0.01 min

Lab File: VD062141.D

Acq: 7 May 2019 14:03

Instrument :

MSVOA_D

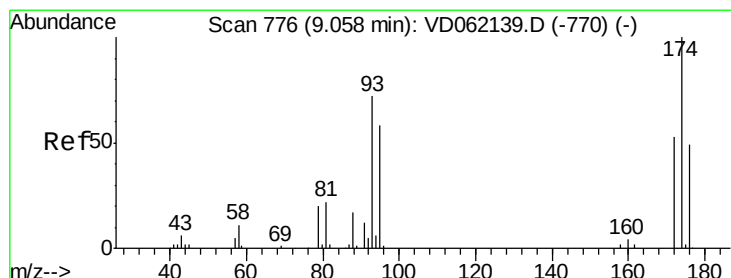
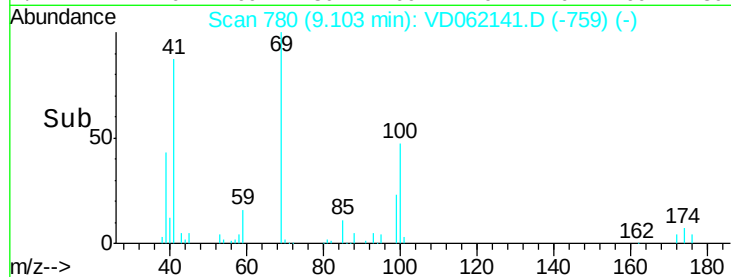
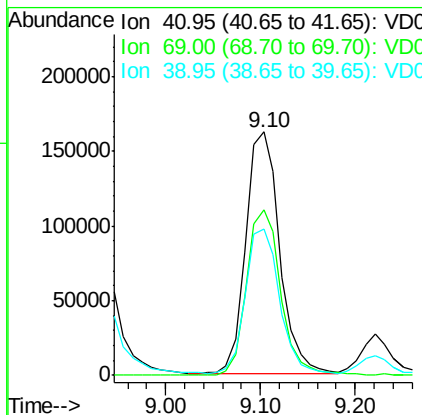
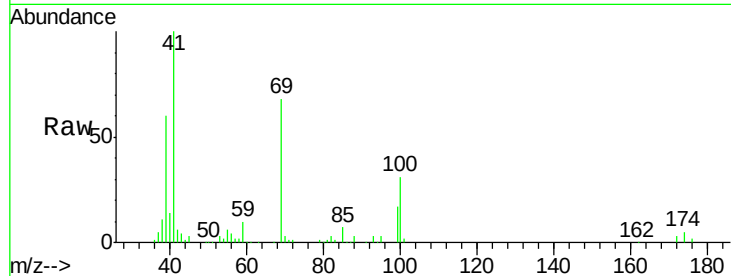
ClientSampleId :

VSTDIC100

Tot Ion:	41	Resp:	402326
Ion	Ratio	Lower	Upper
41	100		
69	67.8	64.2	96.2
39	60.3	46.8	70.2

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#49

1,4-Dioxane

Concen: 2171.354 ug/l

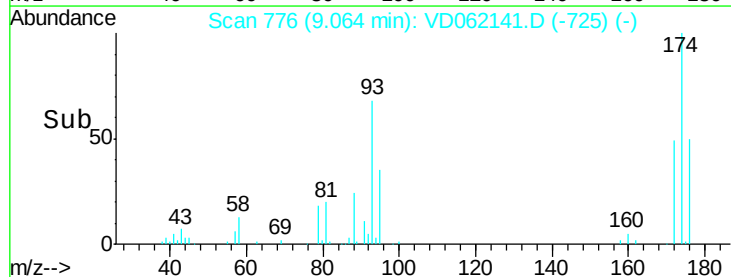
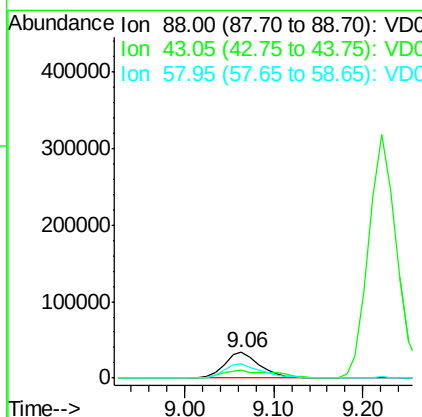
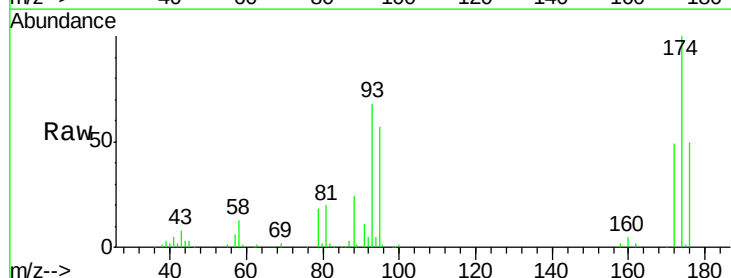
RT: 9.06 min Scan# 776

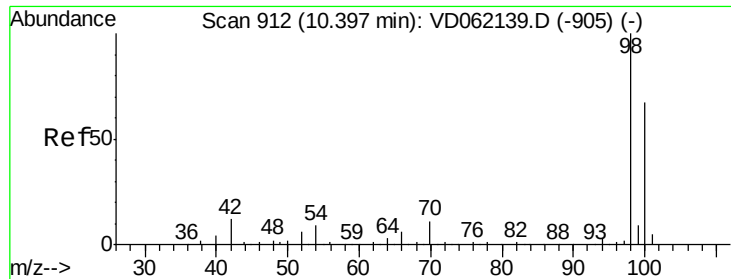
Delta R.T. 0.01 min

Lab File: VD062141.D

Acq: 7 May 2019 14:03

Tgt Ion:	88	Resp:	93257
Ion	Ratio	Lower	Upper
88	100		
43	31.6	23.4	35.0
58	55.6	44.0	66.0





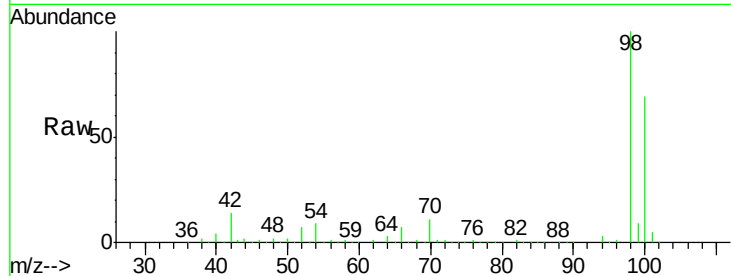
#50
Toluene-d8
Concen: 87.259 ug/l
RT: 10.39 min Scan# 911
Delta R.T. -0.00 min
Lab File: VD062141.D
Acq: 7 May 2019 14:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

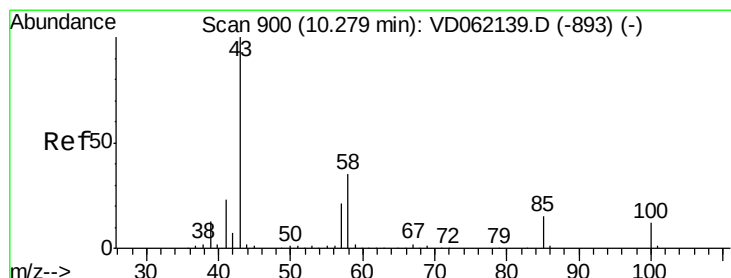
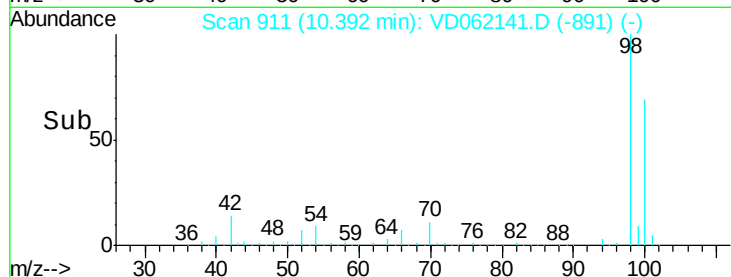
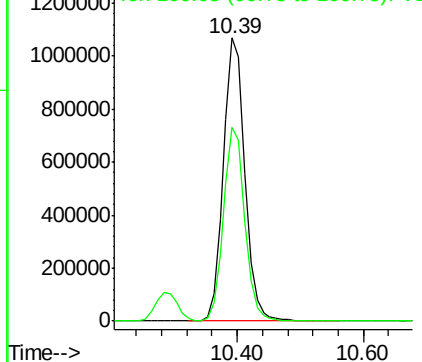
Tot Ion: 98 Resp: 2522635
Ion Ratio Lower Upper
98 100
100 68.6 53.8 80.8

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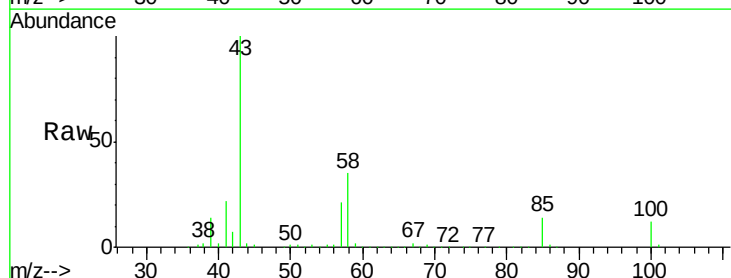


Abundance Ion 98.05 (97.75 to 98.75): VD0
Ion 100.05 (99.75 to 100.75): VD

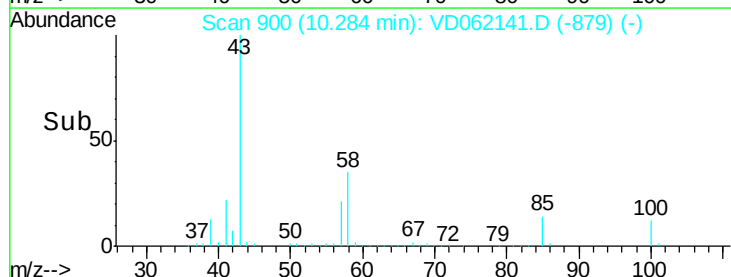
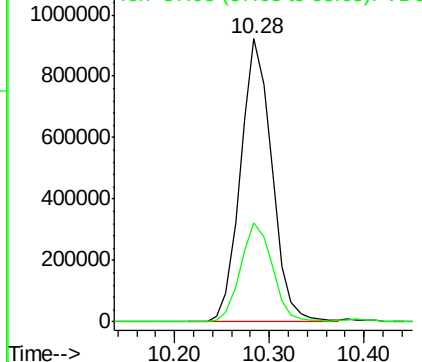


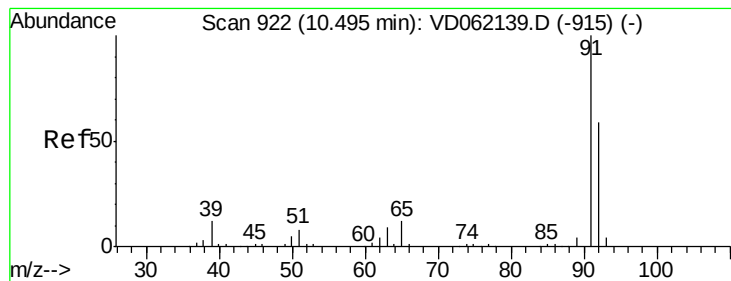
#51
4-Methyl-2-Pentanone
Concen: 518.526 ug/l
RT: 10.28 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD062141.D
Acq: 7 May 2019 14:03

Tgt Ion: 43 Resp: 2115995
Ion Ratio Lower Upper
43 100
58 35.2 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VD0
Ion 57.95 (57.65 to 58.65): VD0





#52

Toluene

Concen: 102.898 ug/l

RT: 10.49 min Scan# 921

Delta R.T. -0.00 min

Lab File: VD062141.D

Acq: 7 May 2019 14:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 92 Resp: 1667322

Ion Ratio Lower Upper

92 100

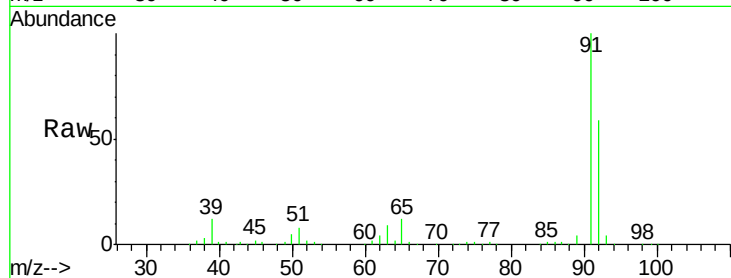
91 168.3 136.6 204.8

Manual Integrations

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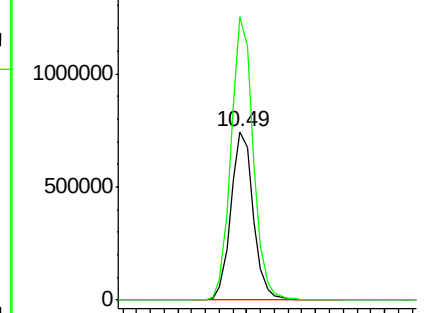
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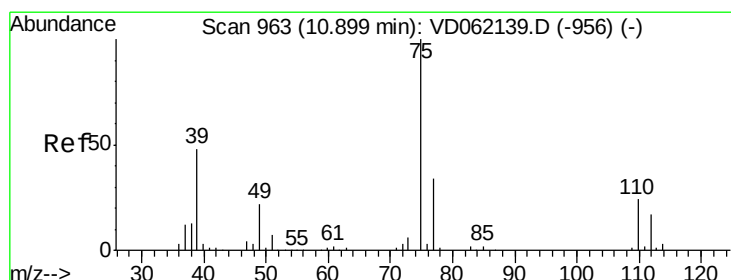
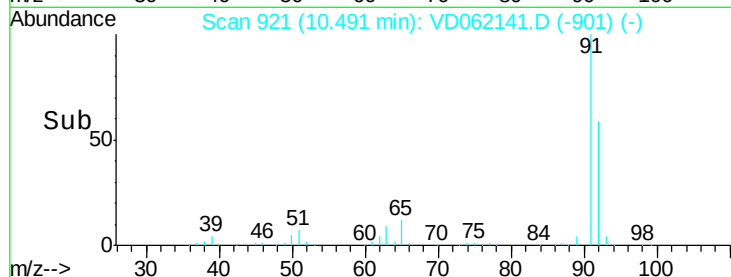


Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



Time-->



#53

t-1,3-Dichloropropene

Concen: 102.978 ug/l

RT: 10.89 min Scan# 962

Delta R.T. -0.00 min

Lab File: VD062141.D

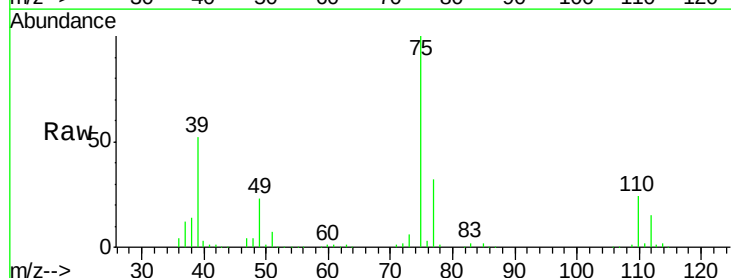
Acq: 7 May 2019 14:03

Tgt Ion: 75 Resp: 1102051

Ion Ratio Lower Upper

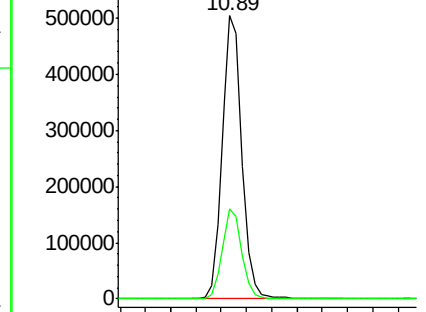
75 100

77 31.8 25.8 38.8

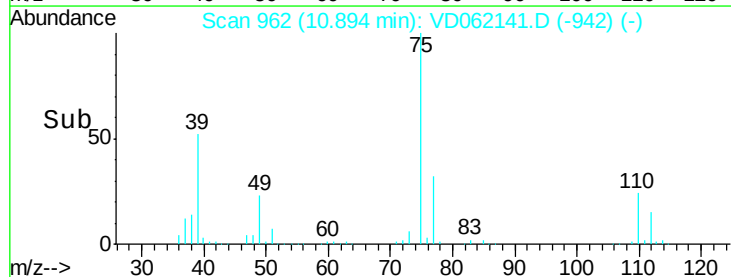


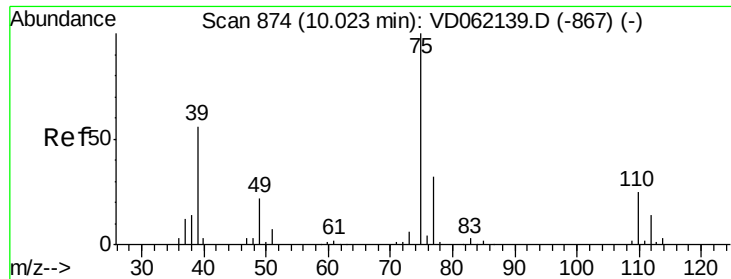
Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



Time-->





#54

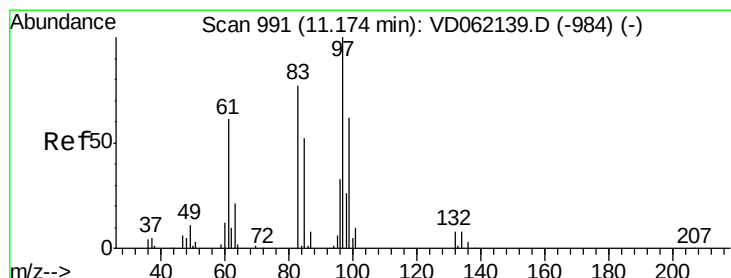
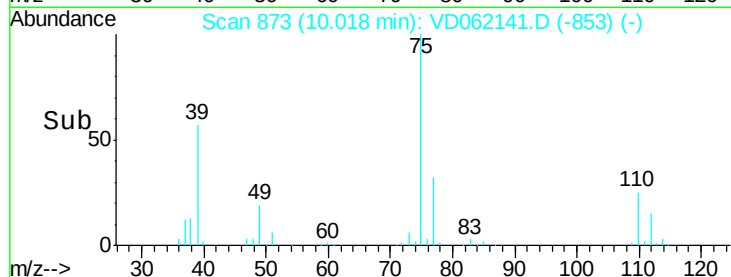
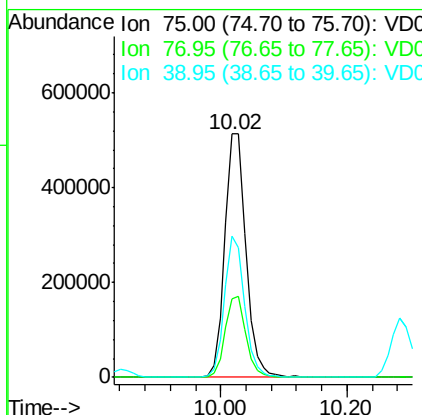
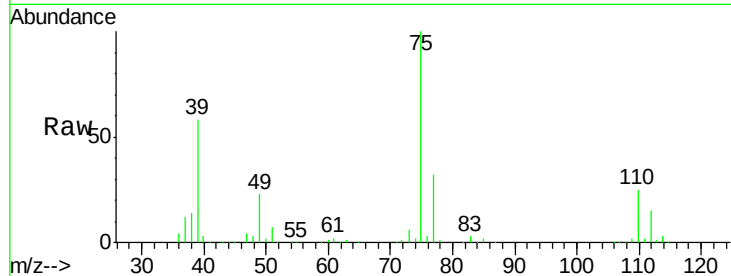
cis-1,3-Dichloropropene
Concen: 99.673 ug/l
RT: 10.02 min Scan# 873
Delta R.T. -0.00 min
Lab File: VD062141.D
Acq: 7 May 2019 14:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.5	38.3
39	58.0	39.4	59.2

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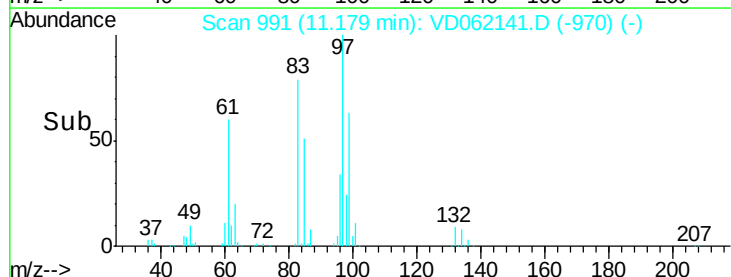
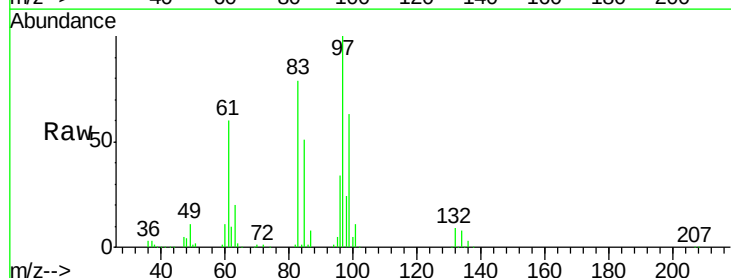
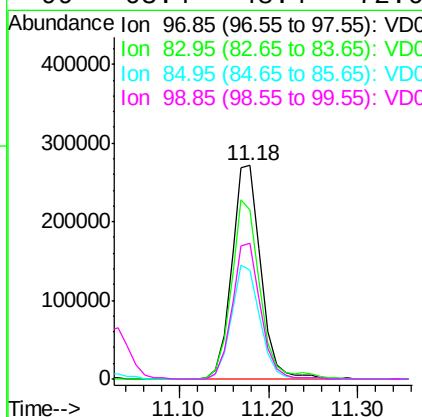
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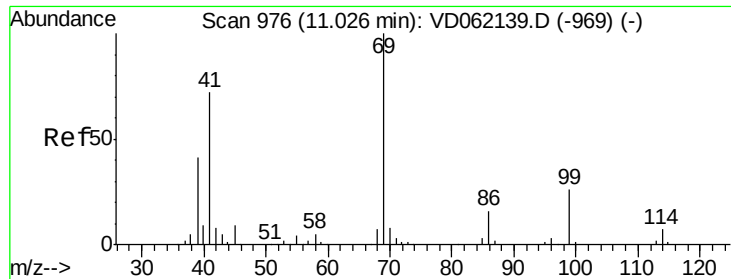


#55

1,1,2-Trichloroethane
Concen: 103.352 ug/l
RT: 11.18 min Scan# 991
Delta R.T. 0.01 min
Lab File: VD062141.D
Acq: 7 May 2019 14:03

Tgt Ion	Ratio	Lower	Upper
97	100		
83	79.4	65.7	98.5
85	50.9	45.6	68.4
99	63.4	48.4	72.6





#56

Ethyl methacrylate

Concen: 99.486 ug/l

RT: 11.02 min Scan# 975

Delta R.T. -0.00 min

Lab File: VD062141.D

Acq: 7 May 2019 14:03

Instrument :

MSVOA_D

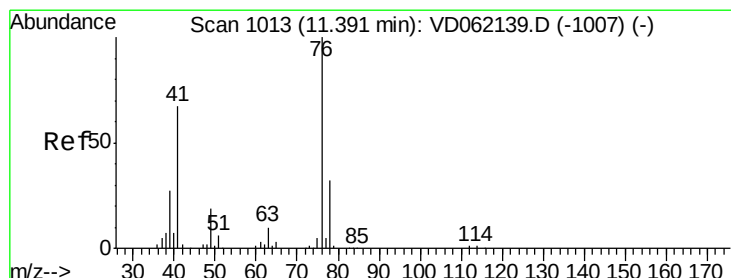
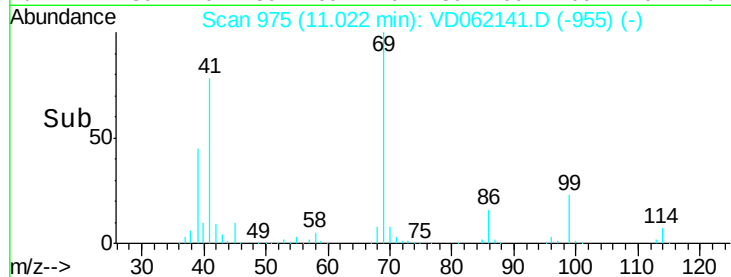
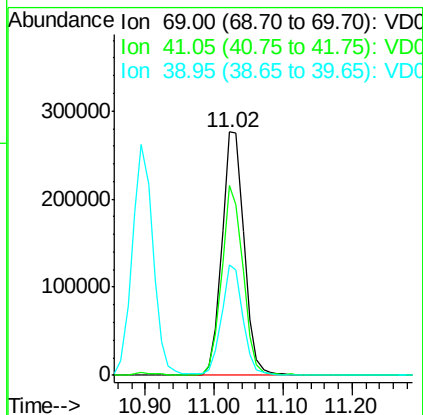
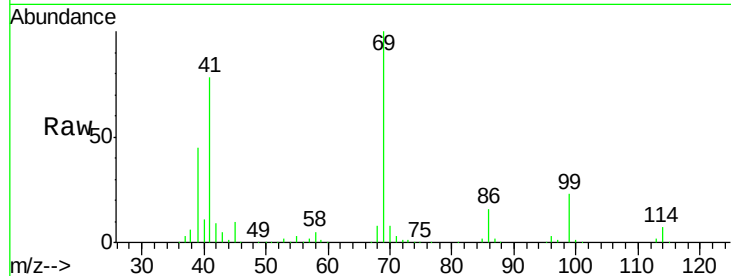
ClientSampleId :

VSTDIC100

Tot Ion:	69	Resp:	616264
Ion Ratio	Lower	Upper	
69	100		
41	77.8	56.3	84.5
39	45.3	29.4	44.2

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#57

1,3-Dichloropropane

Concen: 93.641 ug/l

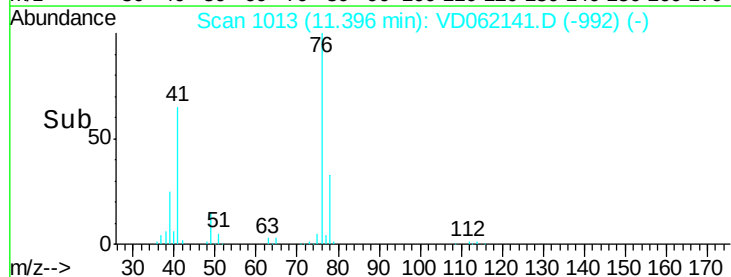
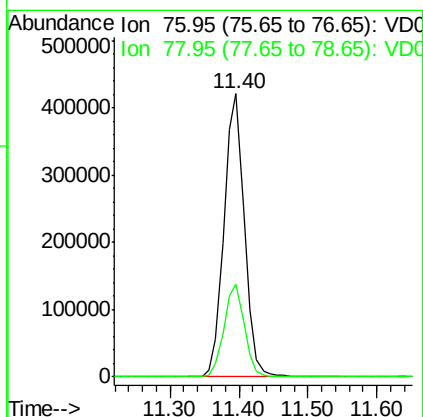
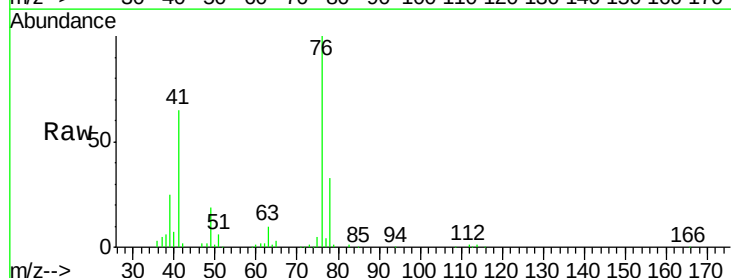
RT: 11.40 min Scan# 1013

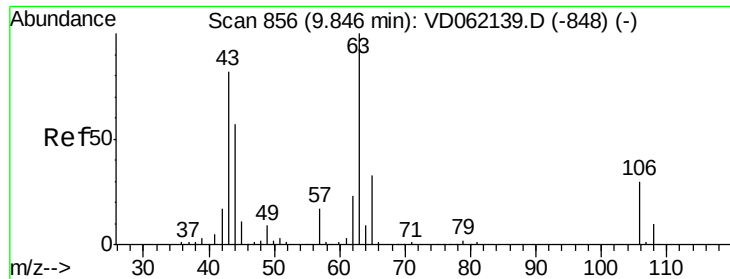
Delta R.T. 0.01 min

Lab File: VD062141.D

Acq: 7 May 2019 14:03

Tgt Ion:	76	Resp:	861816
Ion Ratio	Lower	Upper	
76	100		
78	32.6	26.2	39.2





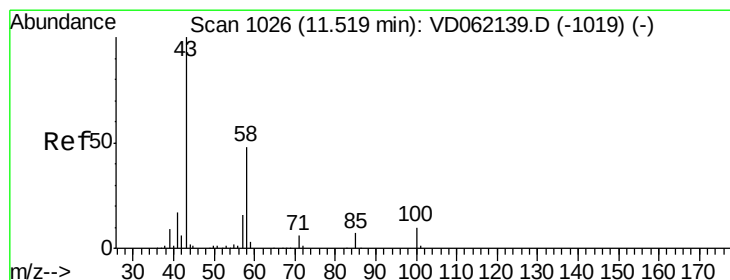
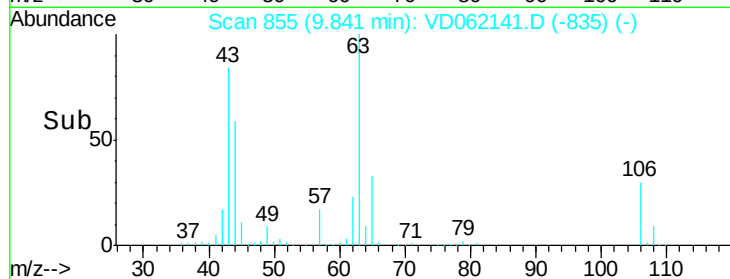
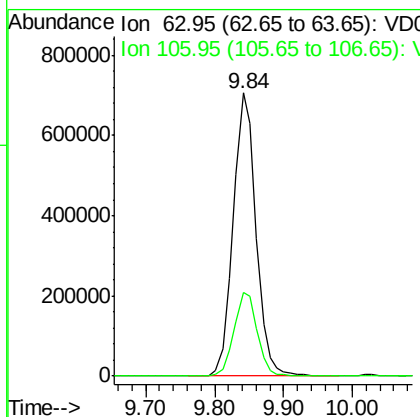
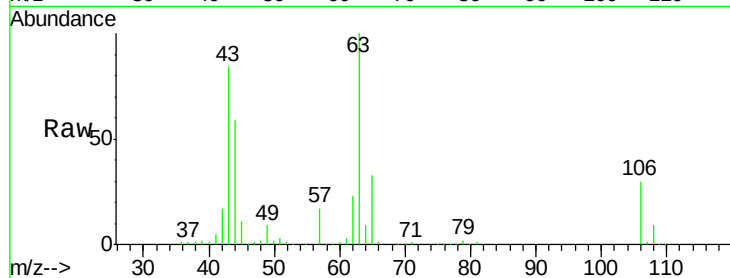
#58
2-Chloroethyl Vinyl ether
Concen: 489.257 ug/l
RT: 9.84 min Scan# 855
Delta R.T. -0.00 min
Lab File: VD062141.D
Acq: 7 May 2019 14:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 63 Resp: 1618092
Ion Ratio Lower Upper
63 100
106 29.6 22.6 34.0

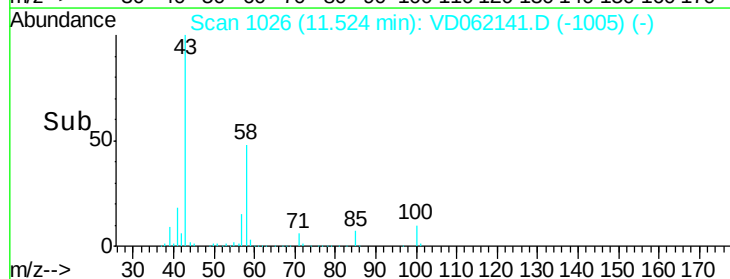
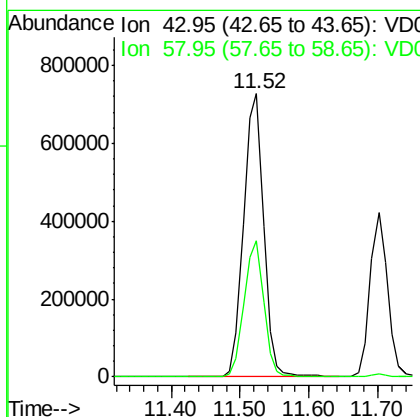
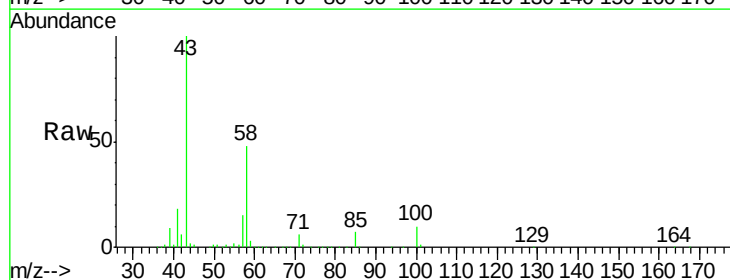
Manual Integrations
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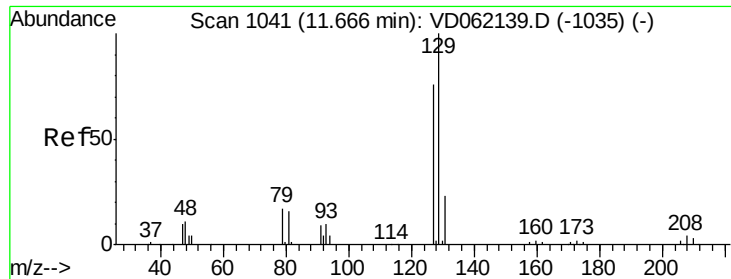
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5/9/2019 12:56:35 AM



#59
2-Hexanone
Concen: 479.714 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. 0.01 min
Lab File: VD062141.D
Acq: 7 May 2019 14:03

Tgt Ion: 43 Resp: 1471222
Ion Ratio Lower Upper
43 100
58 47.9 25.4 76.4





#60

Dibromochloromethane

Concen: 101.001 ug/l

RT: 11.67 min Scan# 1041

Delta R.T. 0.01 min

Lab File: VD062141.D

Acq: 7 May 2019 14:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:129 Resp: 1013651

Ion Ratio Lower Upper

129 100

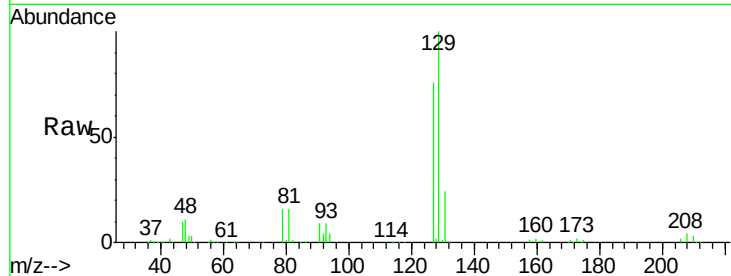
127 76.3 38.0 113.9

Manual Integrations

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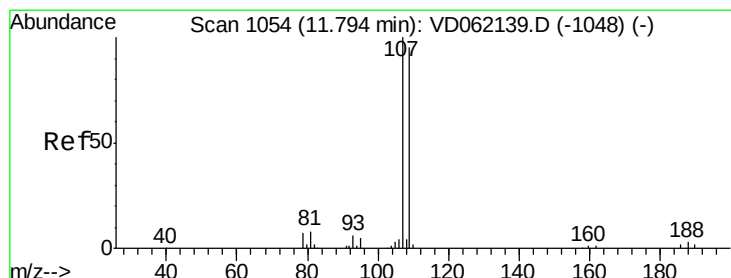
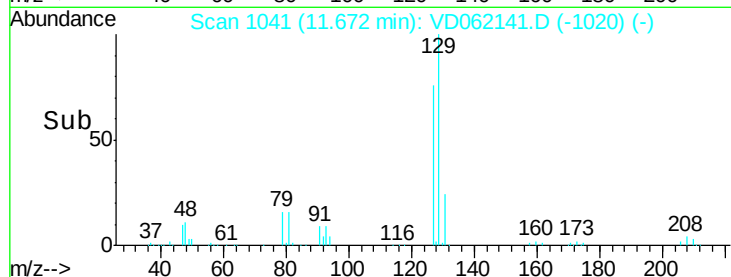
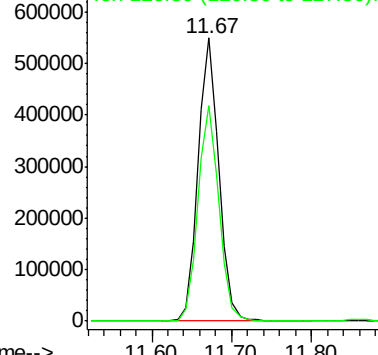
MMDadoda

5/9/2019 12:56:35 AM



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 108.023 ug/l

RT: 11.79 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VD062141.D

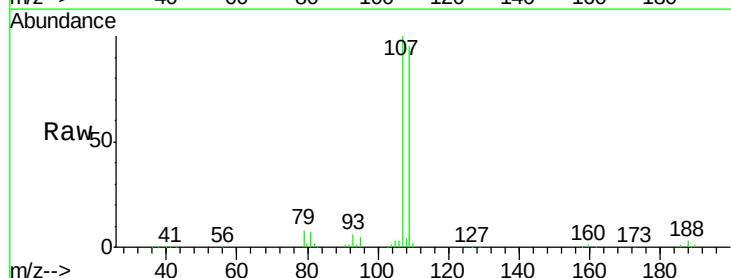
Acq: 7 May 2019 14:03

Tgt Ion:107 Resp: 738172

Ion Ratio Lower Upper

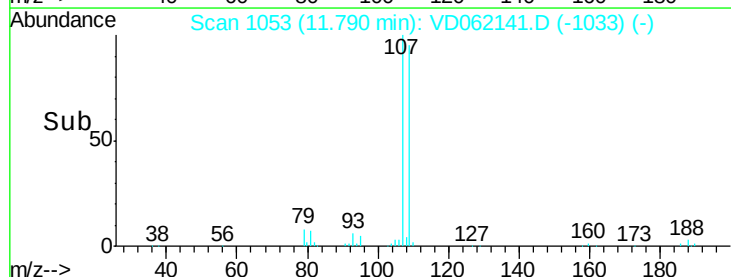
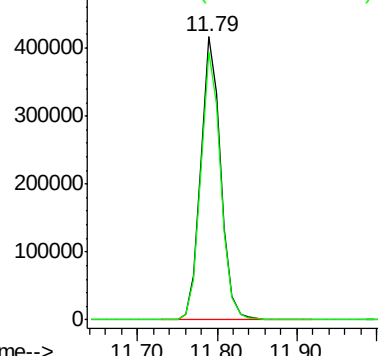
107 100

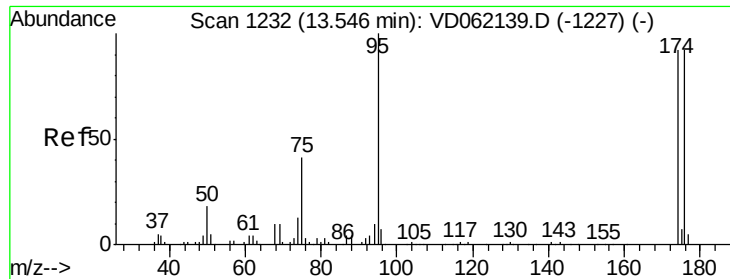
109 94.7 78.3 117.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V





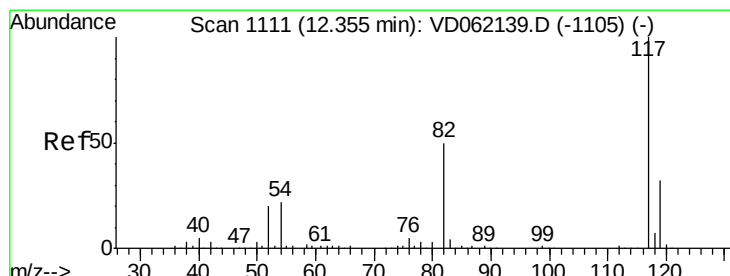
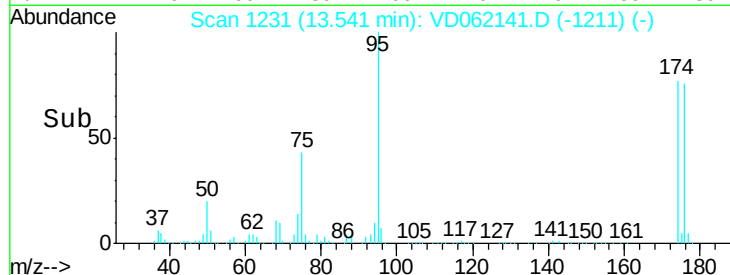
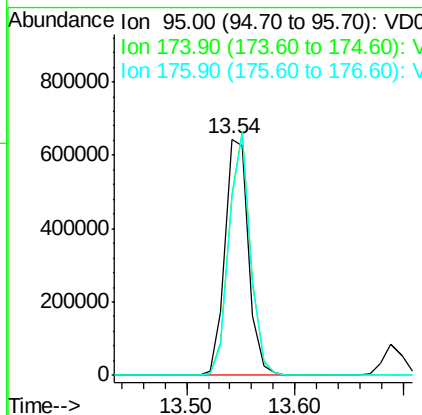
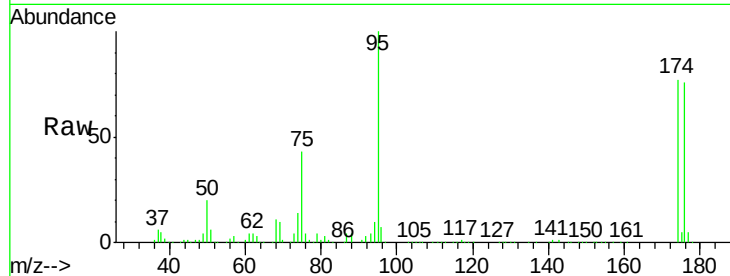
#62
4-Bromofluorobenzene
Concen: 83.582 ug/l
RT: 13.54 min Scan# 1231
Delta R.T. -0.00 min
Lab File: VD062141.D
Acq: 7 May 2019 14:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
95	100	975025		
174	76.7	0.0	181.8	
176	75.7	0.0	174.4	

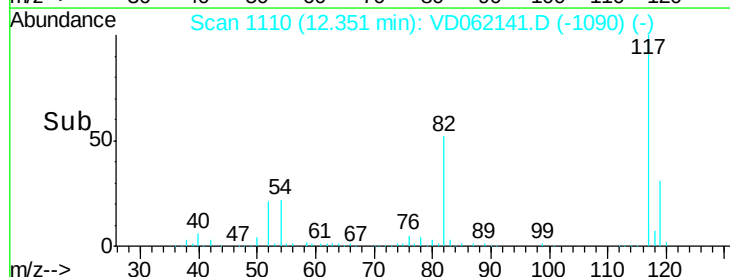
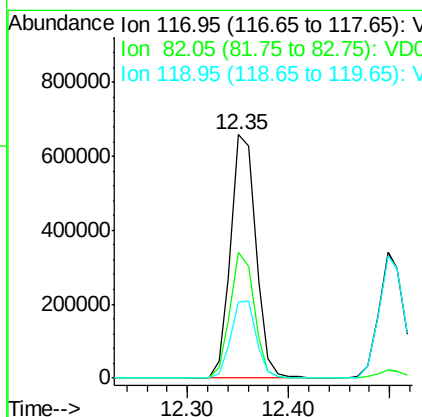
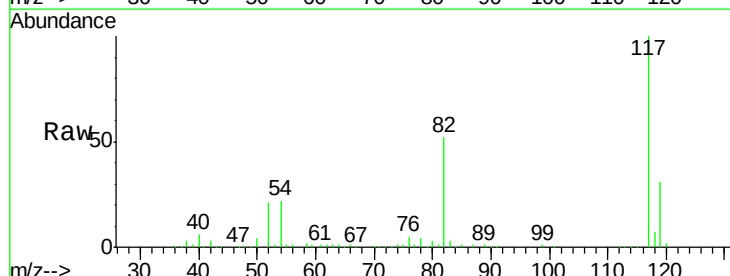
Manual Integrations
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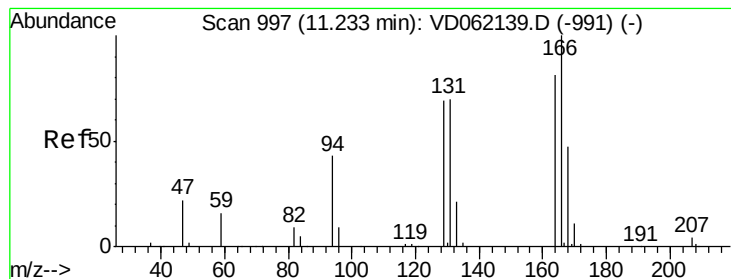
MMDadoda
5/9/2019 12:56:35 AM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. -0.00 min
Lab File: VD062141.D
Acq: 7 May 2019 14:03

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	1146859		
82	51.5	36.2	54.2	
119	31.0	26.2	39.4	





#64

Tetrachloroethene

Concen: 95.965 ug/l

RT: 11.24 min Scan# 997

Delta R.T. 0.01 min

Lab File: VD062141.D

Acq: 7 May 2019 14:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:164 Resp: 895391

Ion Ratio Lower Upper

164 100

166 127.7 101.5 152.3

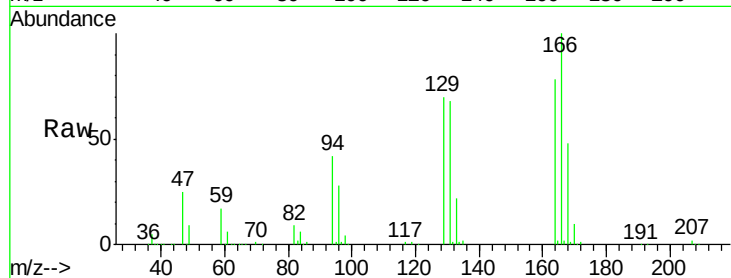
129 89.1 74.6 112.0

131 86.2 72.6 108.8

Manual Integrations
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MMDadoda

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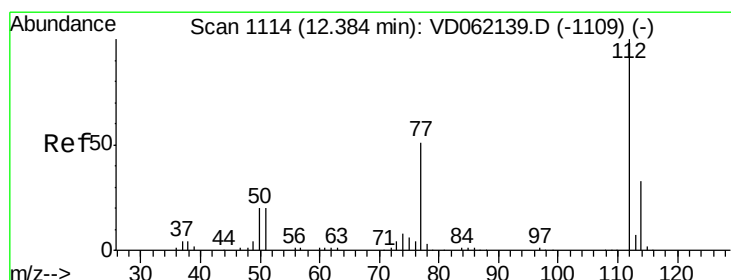
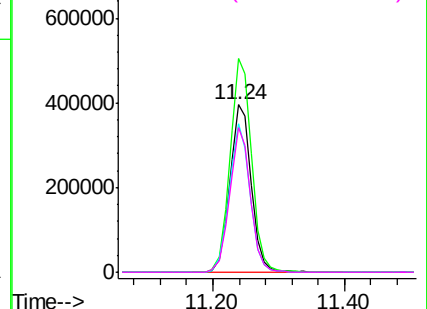
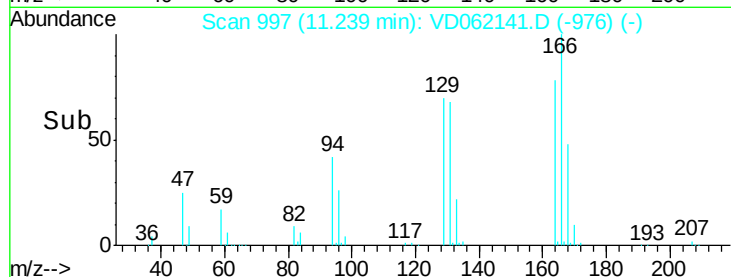


Abundance Ion 163.85 (163.55 to 164.55): V

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: 96.337 ug/l

RT: 12.39 min Scan# 1114

Delta R.T. 0.01 min

Lab File: VD062141.D

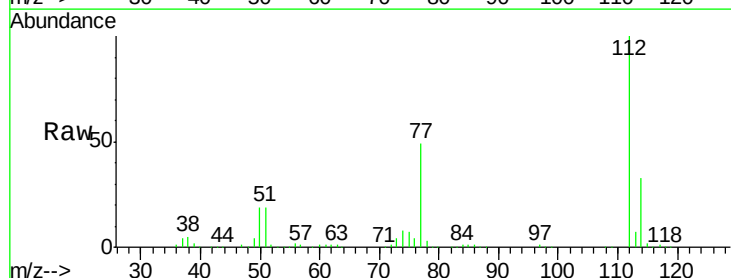
Acq: 7 May 2019 14:03

Tgt Ion:112 Resp: 2028017

Ion Ratio Lower Upper

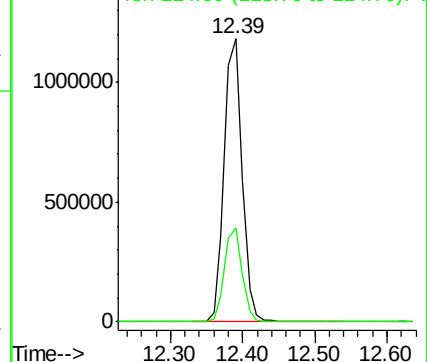
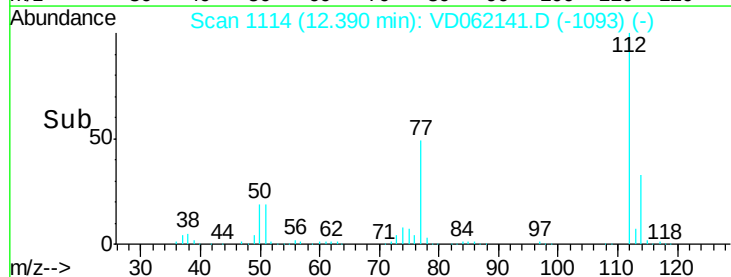
112 100

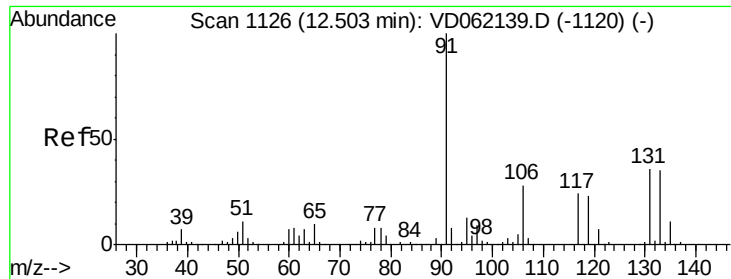
114 33.1 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V





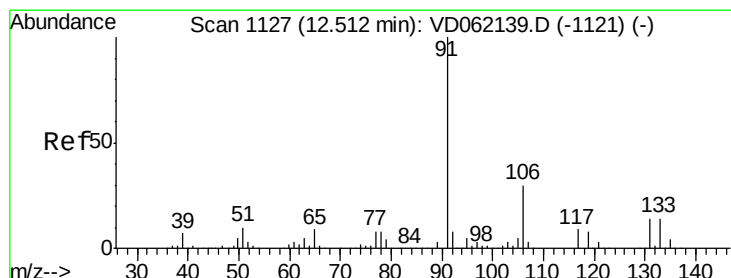
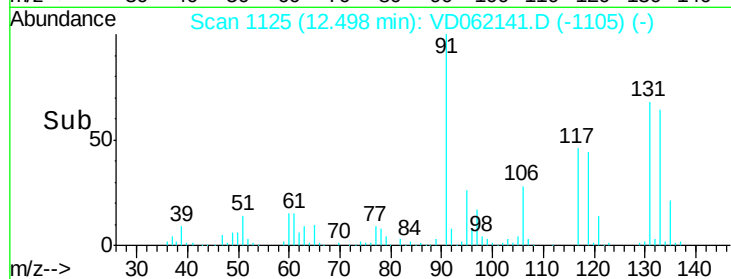
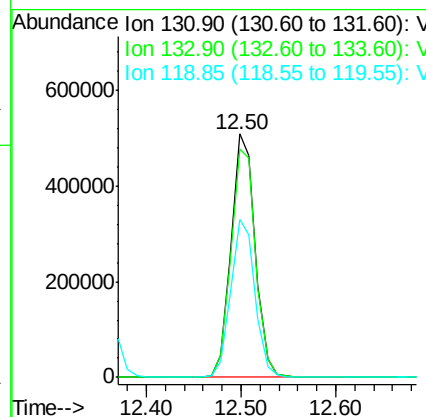
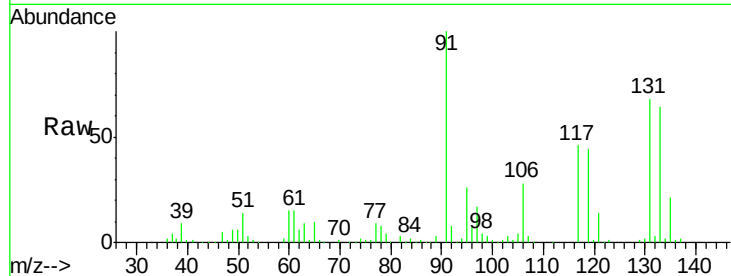
#66
1,1,1,2-Tetrachloroethane
Concen: 89.396 ug/l
RT: 12.50 min Scan# 1125
Delta R.T. -0.00 min
Lab File: VD062141.D
Acq: 7 May 2019 14:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
131	100		
133	93.9	48.6	145.8
119	65.0	34.7	104.1

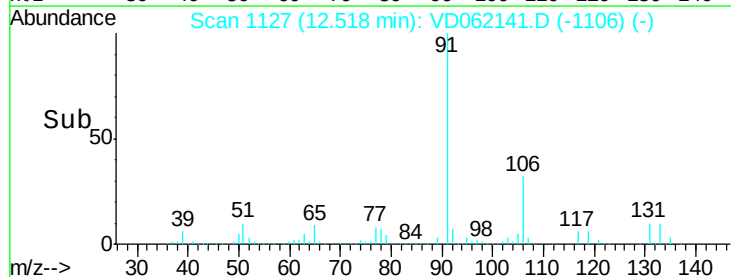
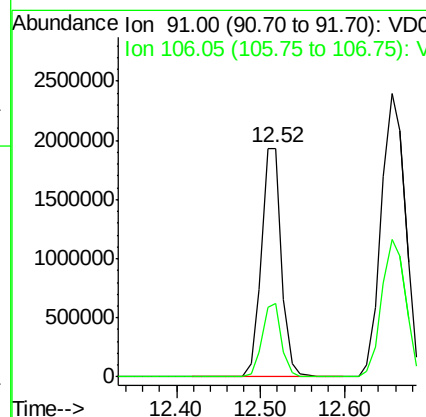
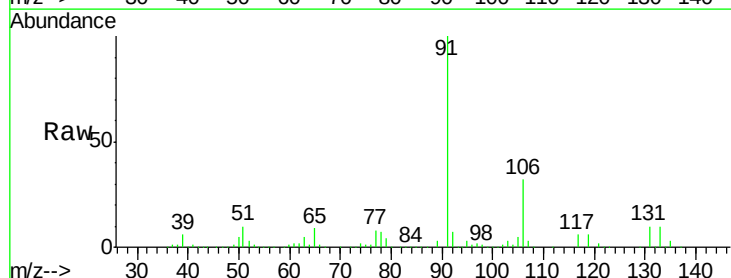
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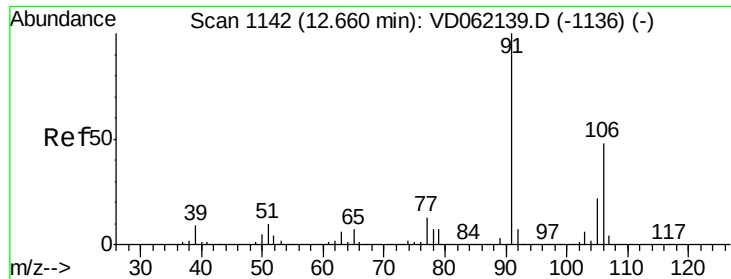
MMDadoda
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#67
Ethyl Benzene
Concen: 86.503 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD062141.D
Acq: 7 May 2019 14:03

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.9	24.7	37.1





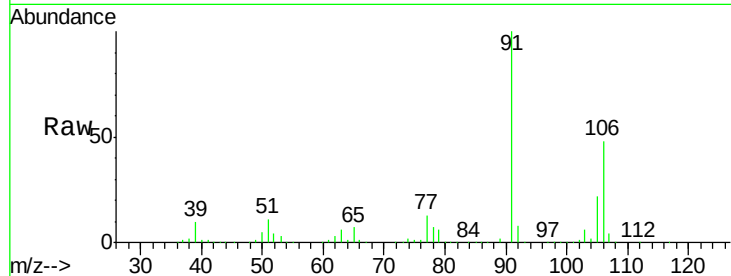
#68
m/p-Xylenes
Concen: 161.033 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.00 min
Lab File: VD062141.D
Acq: 7 May 2019 14:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

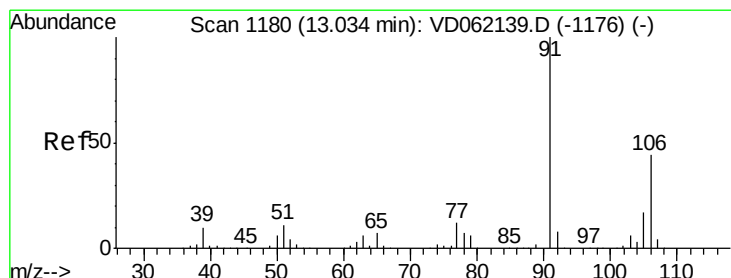
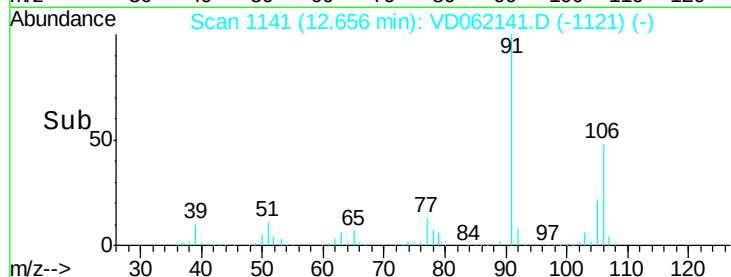
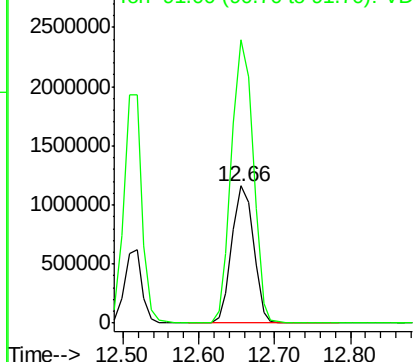
Tot Ion:106 Resp: 2293128
Ion Ratio Lower Upper
106 100
91 206.4 164.0 246.0

Manual Integrations
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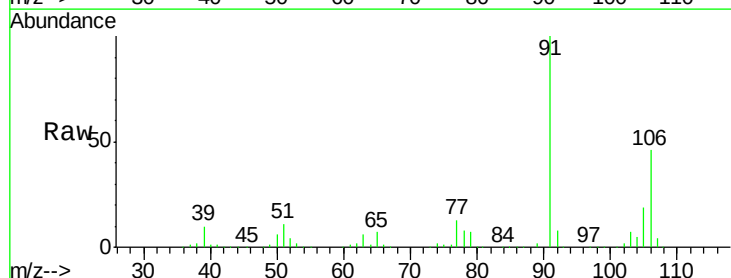


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

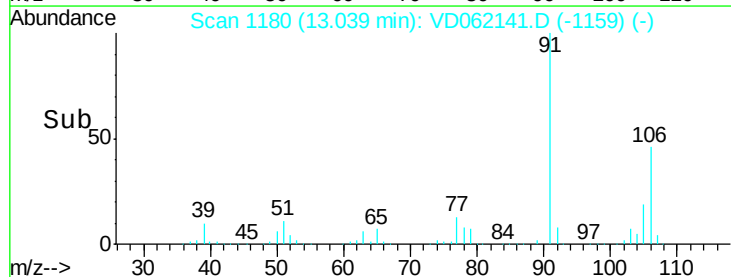
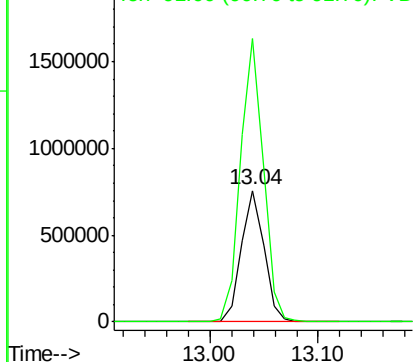


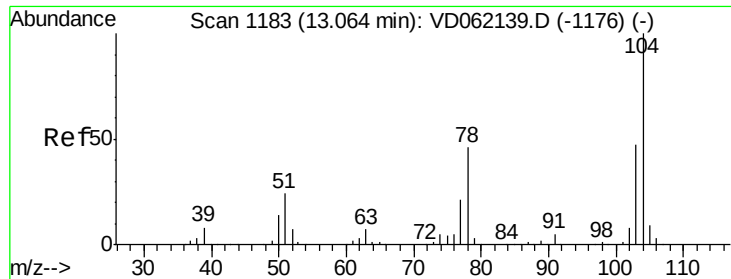
#69
o-Xylene
Concen: 86.924 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. 0.01 min
Lab File: VD062141.D
Acq: 7 May 2019 14:03

Tgt Ion:106 Resp: 1111061
Ion Ratio Lower Upper
106 100
91 215.3 106.7 319.9



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





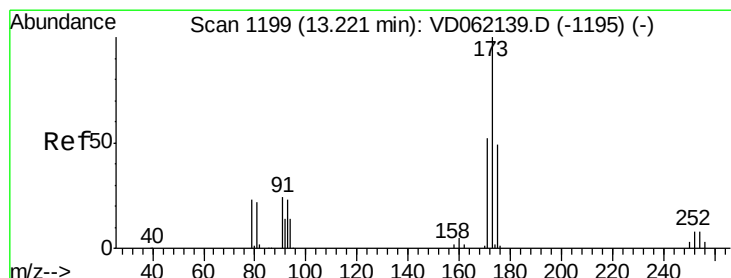
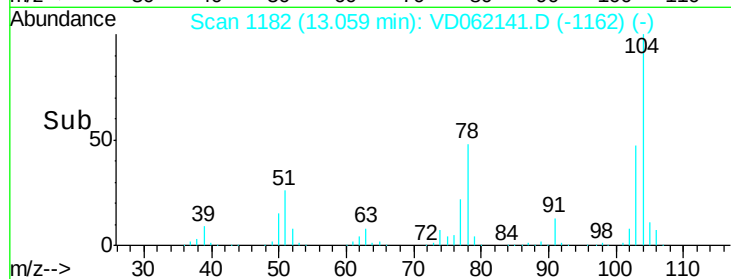
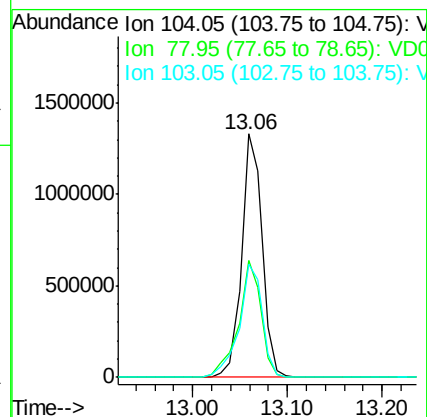
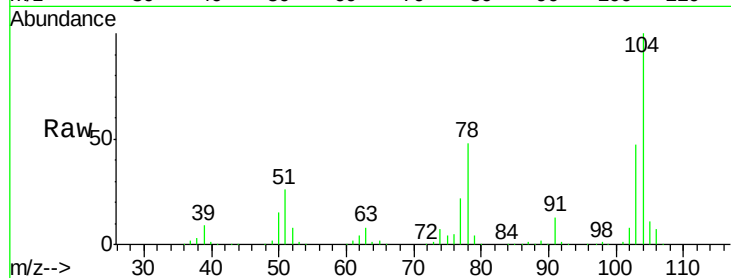
#70
Stvrene
Concen: 95.028 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VD062141.D
Acq: 7 May 2019 14:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
104	100		
78	47.9	35.4	53.2
103	46.6	37.5	56.3

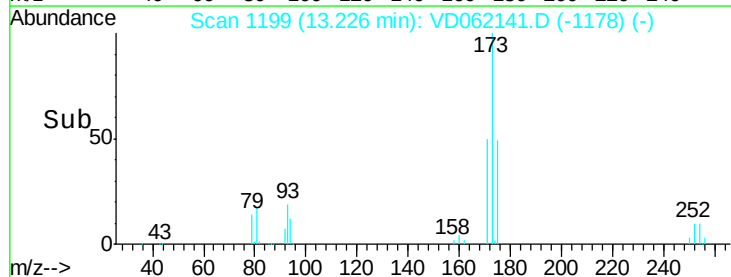
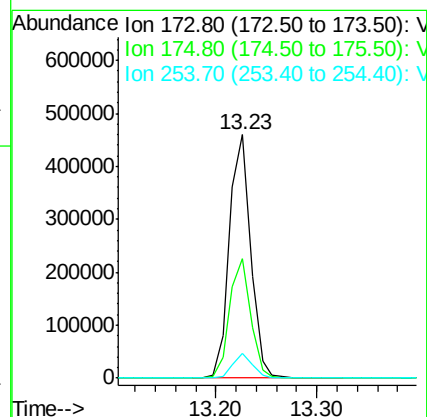
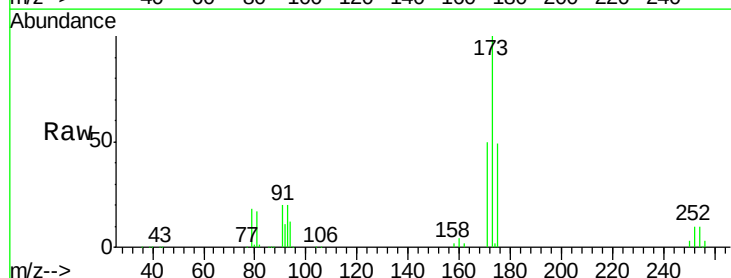
Manual Integrations
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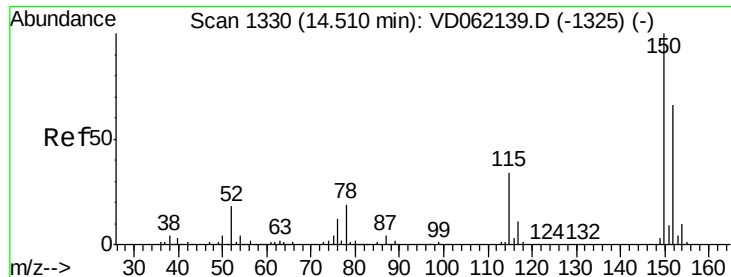
MMDadoda
5/9/2019 12:56:35 AM



#71
Bromoform
Concen: 97.790 ug/l
RT: 13.23 min Scan# 1199
Delta R.T. 0.01 min
Lab File: VD062141.D
Acq: 7 May 2019 14:03

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.4	73.4
254	10.0	5.4	8.2#





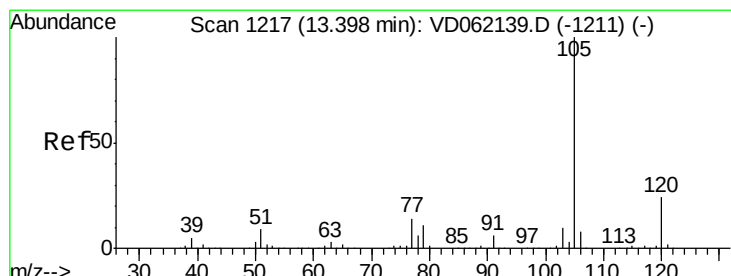
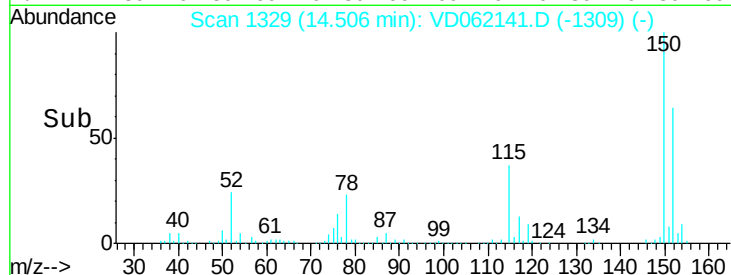
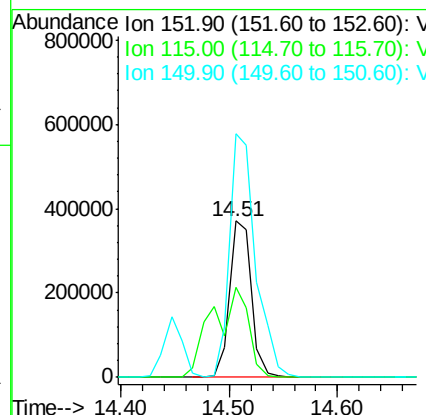
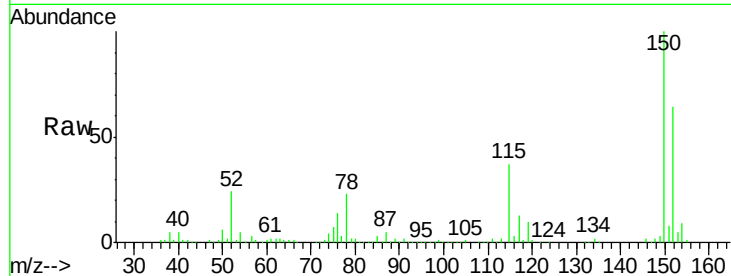
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.51 min Scan# 1329
 Delta R.T. -0.00 min
 Lab File: VD062141.D
 Acq: 7 May 2019 14:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
152	100		
115	57.8	30.9	92.7
150	155.6	0.0	314.8

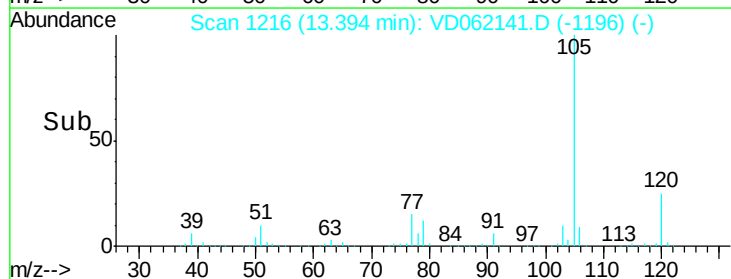
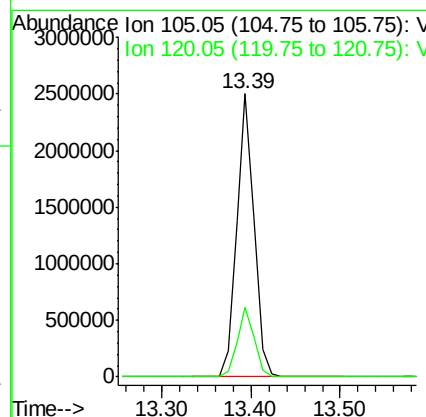
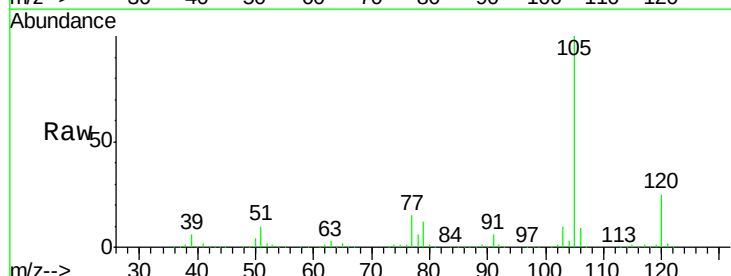
Manual Integrations
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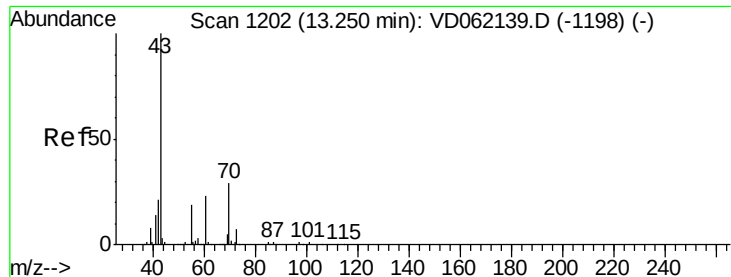
MMDadoda
 5/9/2019 12:56:35 AM



#73
 Isopropylbenzene
 Concen: 110.108 ug/l
 RT: 13.39 min Scan# 1216
 Delta R.T. -0.00 min
 Lab File: VD062141.D
 Acq: 7 May 2019 14:03

Tgt Ion	Ratio	Lower	Upper
105	100		
120	24.6	12.0	36.1





#74

N-amvl acetate

Concen: 114.257 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. 0.01 min

Lab File: VD062141.D

Acq: 7 May 2019 14:03

Instrument :

MSVOA_D

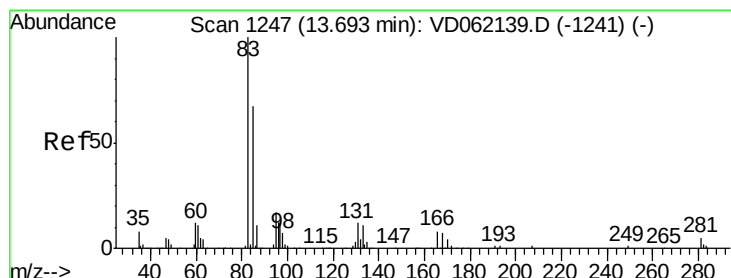
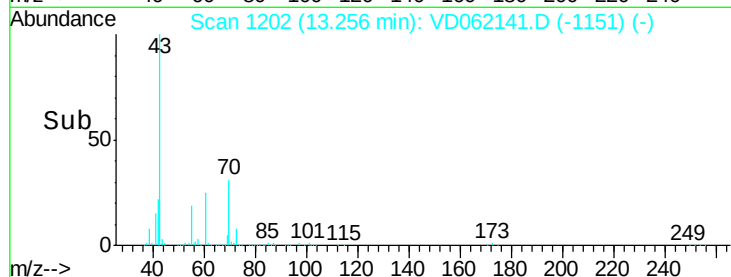
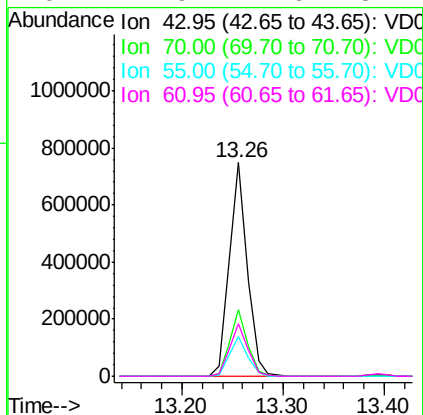
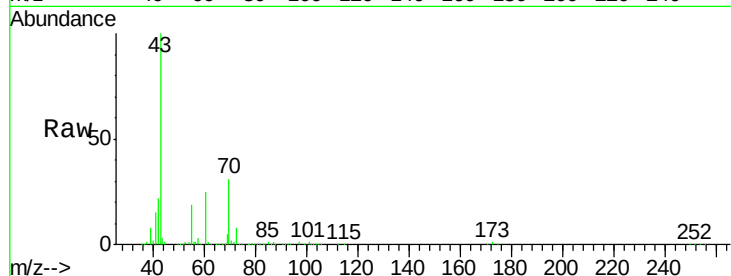
ClientSampleId :

VSTDICC100

Tot Ion:	43	Resp:	920780
Ion	Ratio	Lower	Upper
43	100		
70	30.9	24.2	36.4
55	18.8	16.0	24.0
61	24.9	21.6	32.4

Manual Integrations
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#75

1,1,2,2-Tetrachloroethane

Concen: 119.694 ug/l

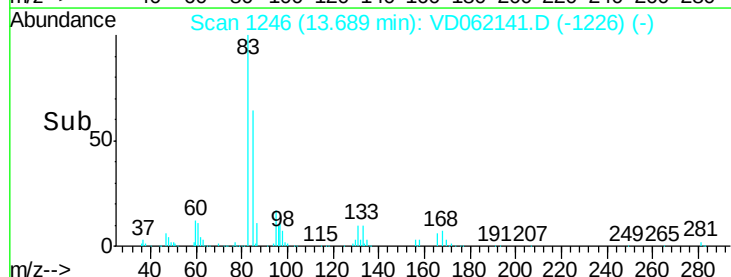
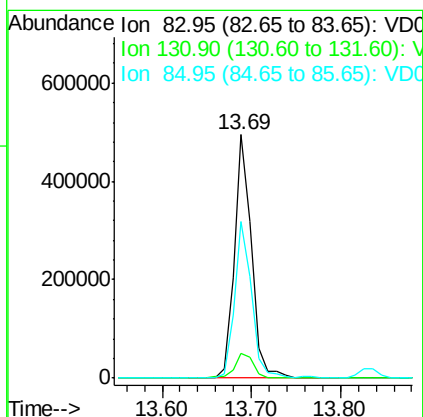
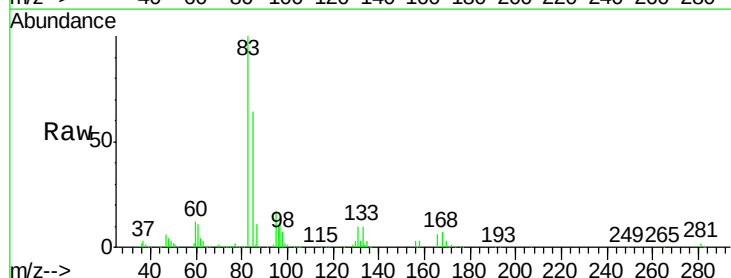
RT: 13.69 min Scan# 1246

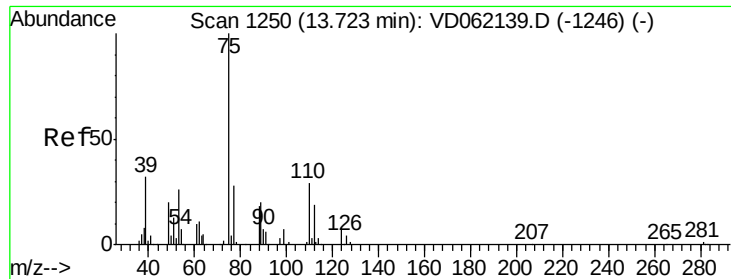
Delta R.T. -0.00 min

Lab File: VD062141.D

Acq: 7 May 2019 14:03

Tgt Ion:	83	Resp:	669267
Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.0	14.9
85	64.4	32.6	97.7





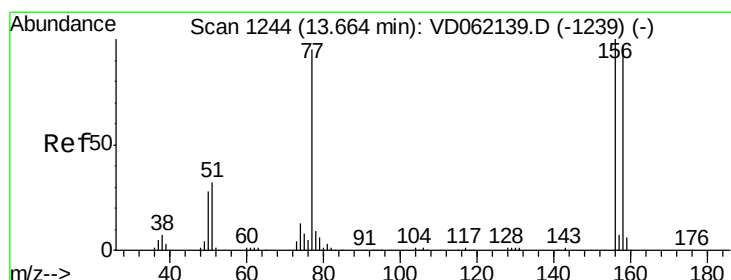
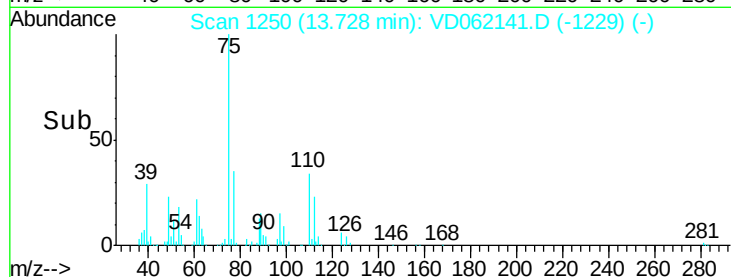
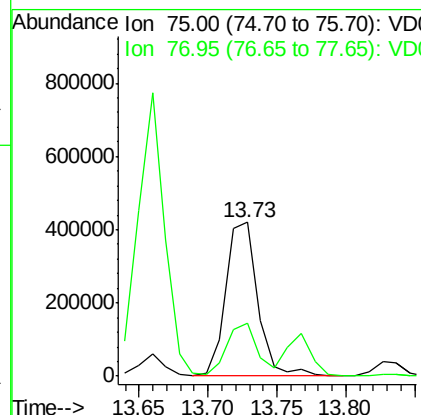
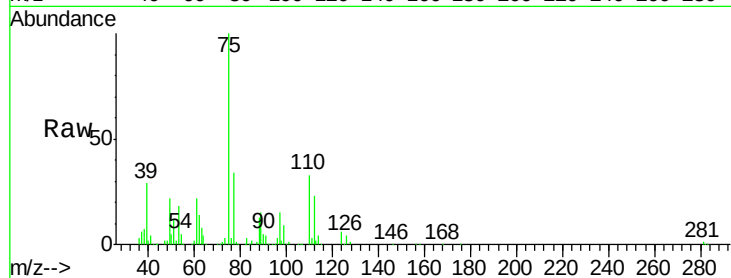
#76
 1,2,3-Trichloropropane
 Concen: 116.972 ug/l
 RT: 13.73 min Scan# 1250
 Delta R.T. 0.01 min
 Lab File: VD062141.D
 Acq: 7 May 2019 14:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Tot Ion	Ratio	Lower	Upper
75	100		
77	34.1	16.4	49.4

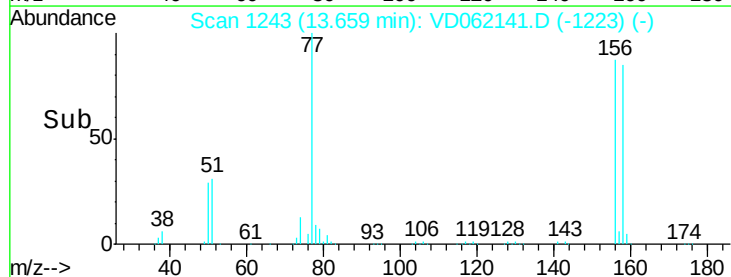
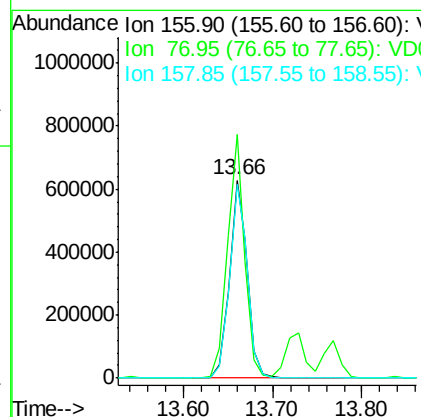
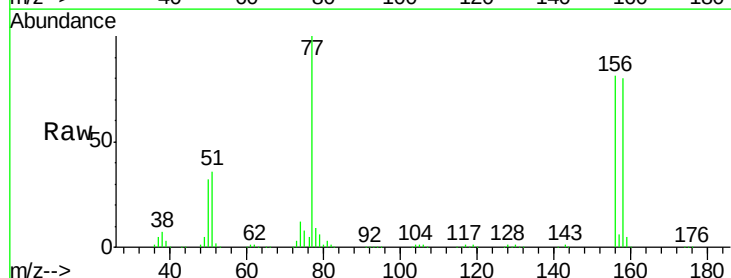
Manual Integrations
 APPROVED

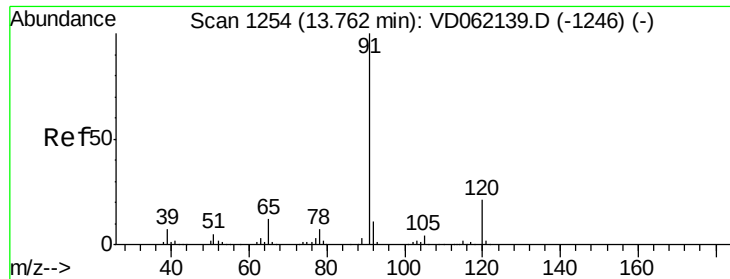
MMDadoda
 5/9/2019 12:56:35 AM



#77
 Bromobenzene
 Concen: 108.267 ug/l
 RT: 13.66 min Scan# 1243
 Delta R.T. -0.00 min
 Lab File: VD062141.D
 Acq: 7 May 2019 14:03

Tgt Ion	Ratio	Lower	Upper
156	100		
77	123.1	53.1	159.4
158	97.9	49.4	148.0





#78

n-propylbenzene

Concen: 109.147 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.01 min

Lab File: VD062141.D

Acq: 7 May 2019 14:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 3854503

Ion Ratio Lower Upper

91 100

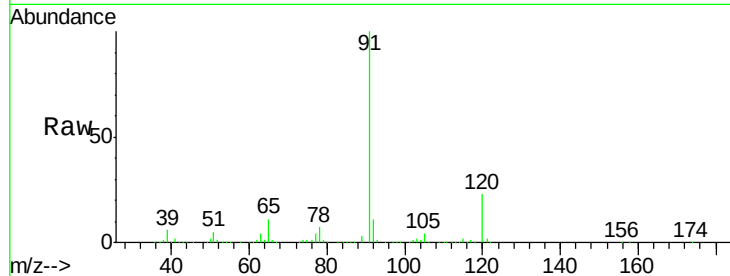
120 23.1 11.1 33.1

Manual Integrations

APPROVED

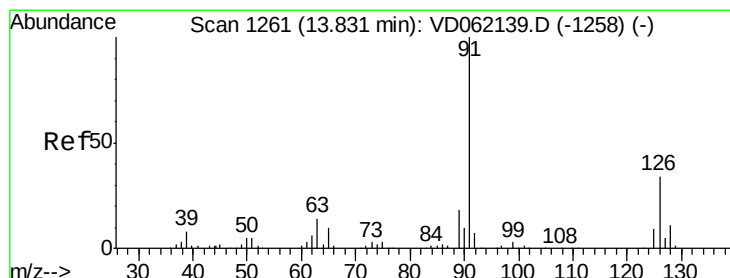
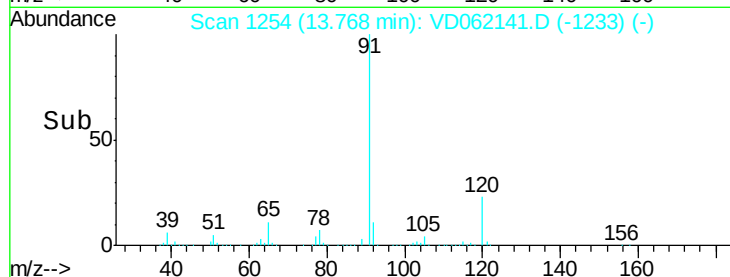
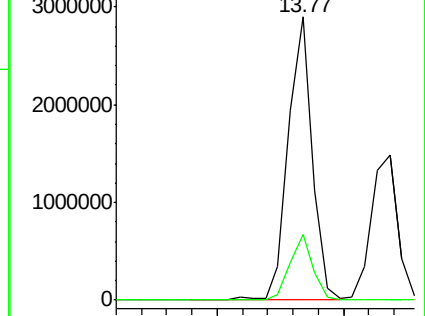
MMDadoda

5/9/2019 12:56:35 AM



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V



#79

2-Chlorotoluene

Concen: 103.267 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. 0.01 min

Lab File: VD062141.D

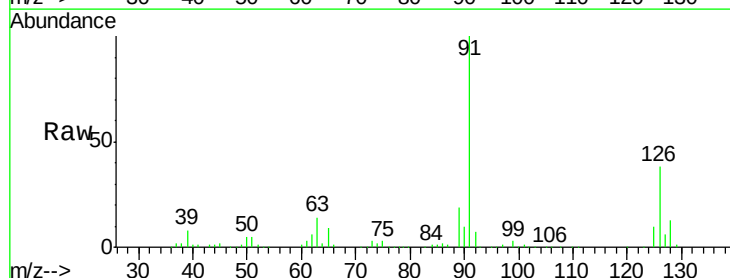
Acq: 7 May 2019 14:03

Tgt Ion: 91 Resp: 2153525

Ion Ratio Lower Upper

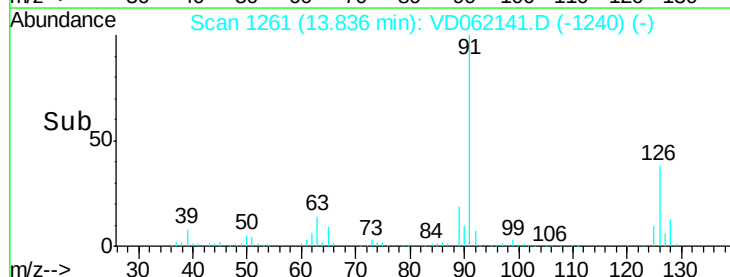
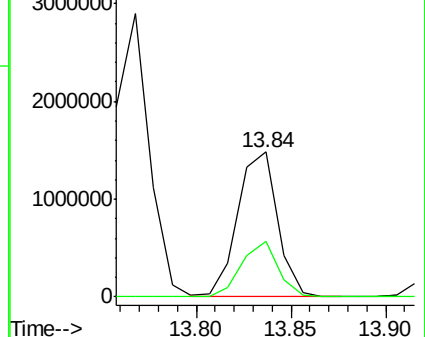
91 100

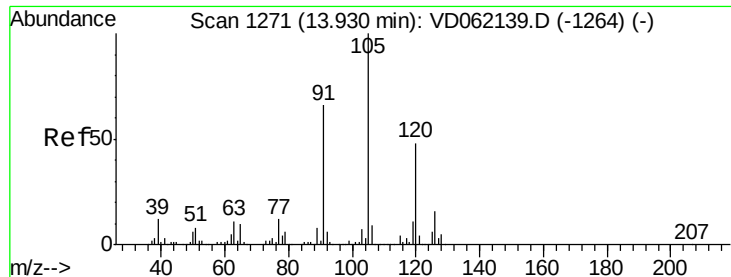
126 38.1 18.6 55.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V





#80

1,3,5-Trimethylbenzene

Concen: 98.654 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD062141.D

Acq: 7 May 2019 14:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 2524337

Ion Ratio Lower Upper

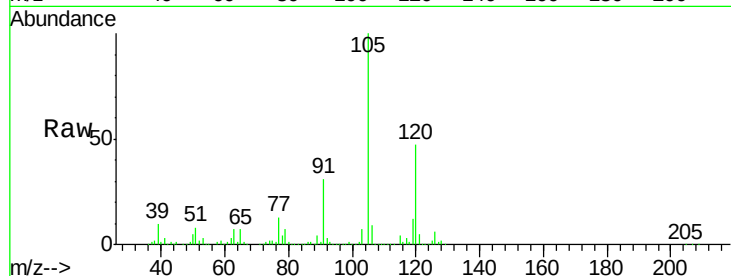
105 100

120 47.2 24.0 72.0

Manual Integrations
APPROVED

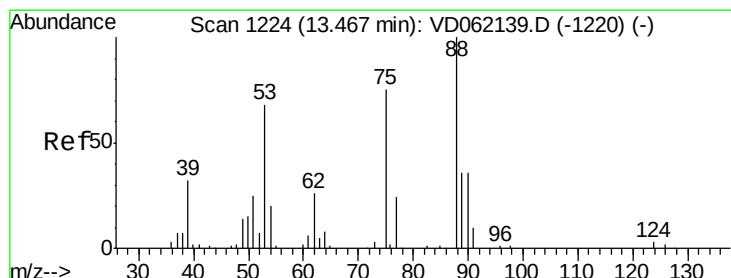
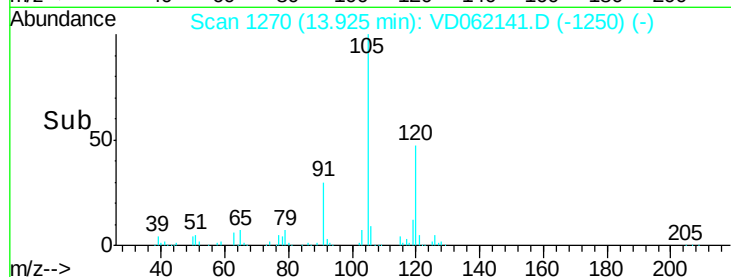
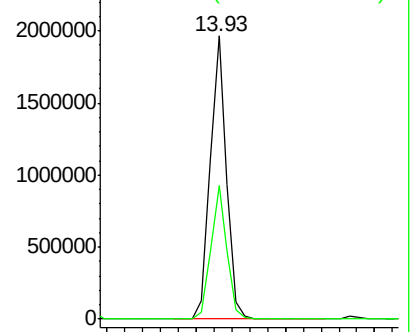
MMDadoda

5/9/2019 12:56:35 AM



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#81

trans-1,4-Dichloro-2-butene

Concen: 113.271 ug/l

RT: 13.46 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD062141.D

Acq: 7 May 2019 14:03

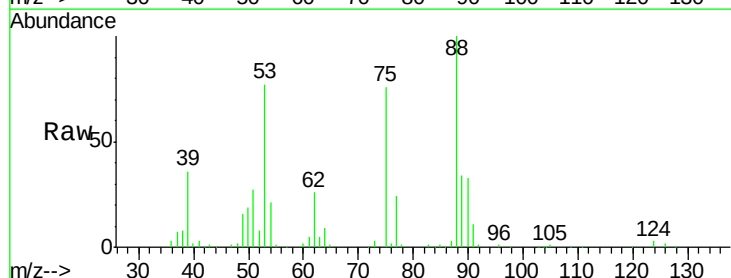
Tgt Ion: 75 Resp: 203775

Ion Ratio Lower Upper

75 100

53 100.3 65.8 98.8#

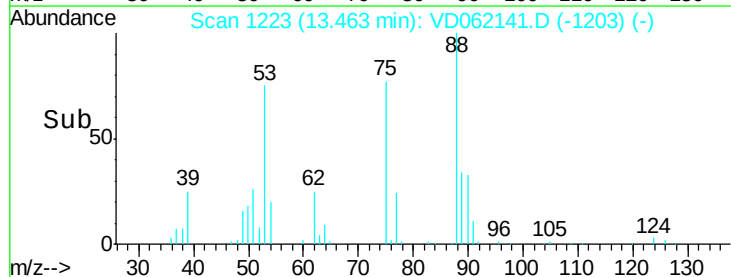
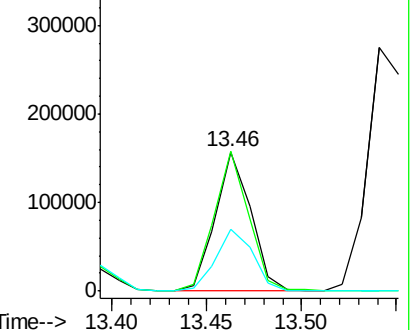
89 44.7 35.0 52.6

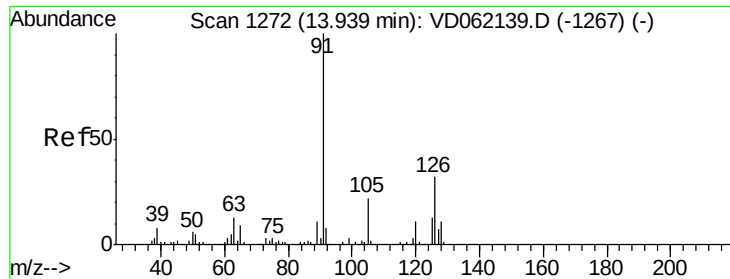


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC





#82

4-Chlorotoluene

Concen: 94.564 ug/l

RT: 13.93 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VD062141.D

Acq: 7 May 2019 14:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 2328160

Ion Ratio Lower Upper

91 100

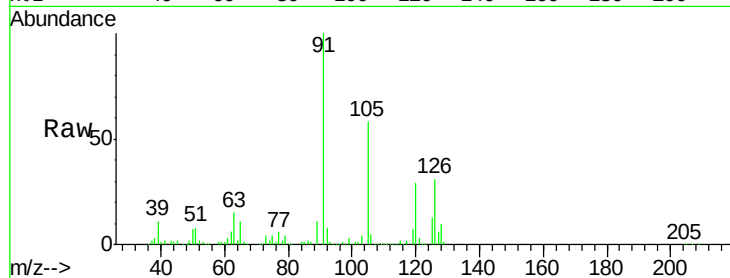
126 31.2 19.1 57.5

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VD062139.D (-1267) (-)

Ion 125.95 (125.65 to 126.65): VD062139.D (-1267) (-)

13.93

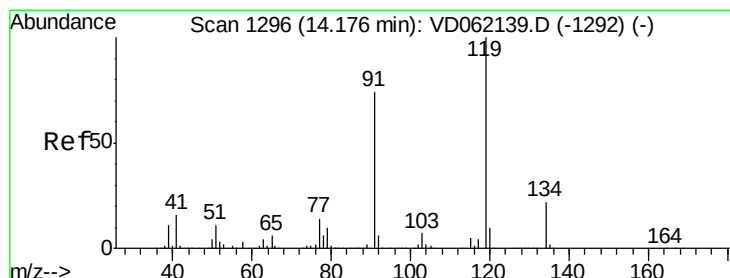
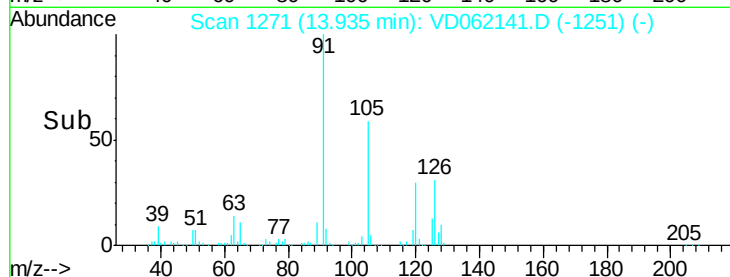
1500000

1000000

500000

0

Time--> 13.80 13.90 14.00



#83

tert-Butylbenzene

Concen: 100.258 ug/l

RT: 14.18 min Scan# 1296

Delta R.T. 0.01 min

Lab File: VD062141.D

Acq: 7 May 2019 14:03

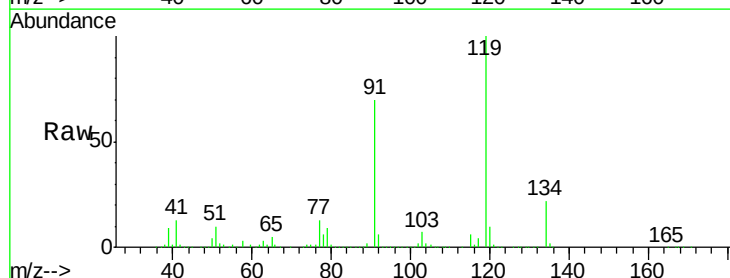
Tgt Ion: 119 Resp: 2975001

Ion Ratio Lower Upper

119 100

91 69.9 34.2 102.6

134 22.4 12.0 36.0



Abundance Ion 119.05 (118.75 to 119.75): VD062139.D (-1292) (-)

Ion 91.00 (90.70 to 91.70): VD062139.D (-1292) (-)

Ion 134.00 (133.70 to 134.70): VD062139.D (-1292) (-)

14.18

2000000

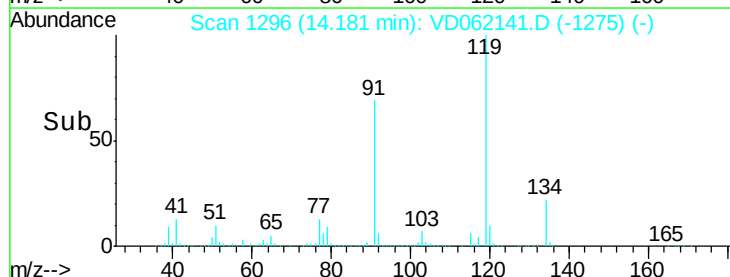
1500000

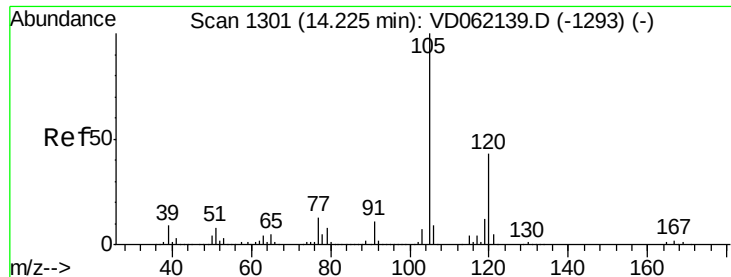
1000000

500000

0

Time--> 14.10 14.20 14.30





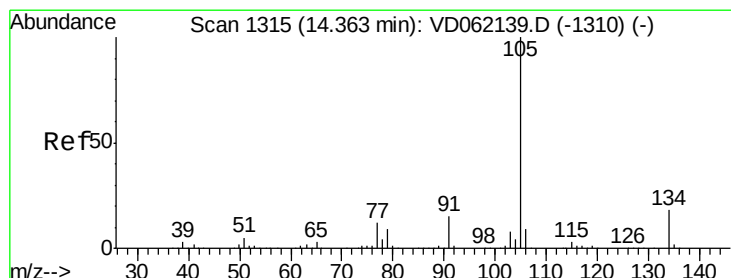
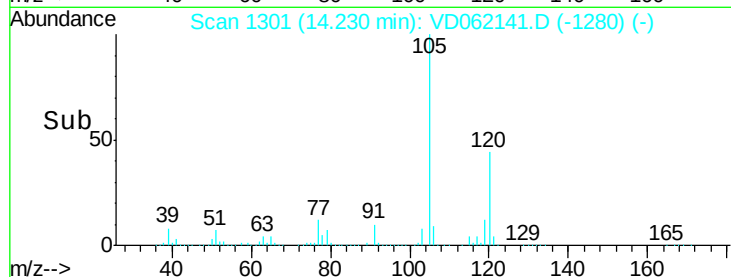
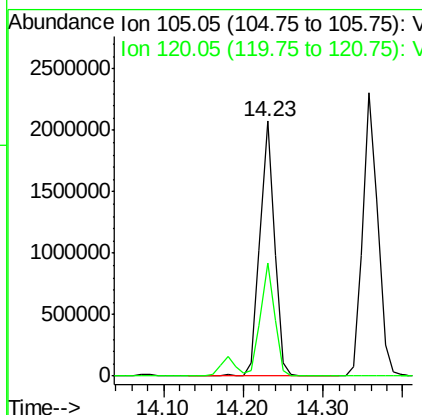
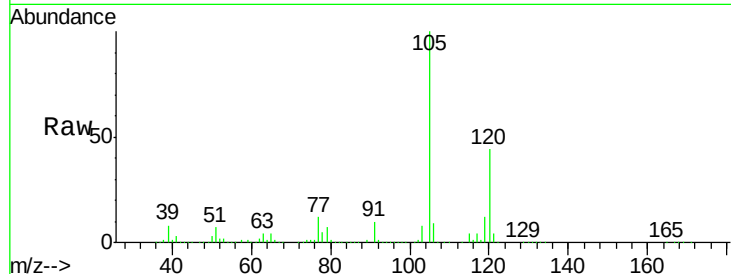
#84
1,2,4-Trimethylbenzene
Concen: 99.917 ug/l
RT: 14.23 min Scan# 1301
Delta R.T. 0.01 min
Lab File: VD062141.D
Acq: 7 May 2019 14:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion:105 Resp: 2575520
Ion Ratio Lower Upper
105 100
120 44.4 23.1 69.2

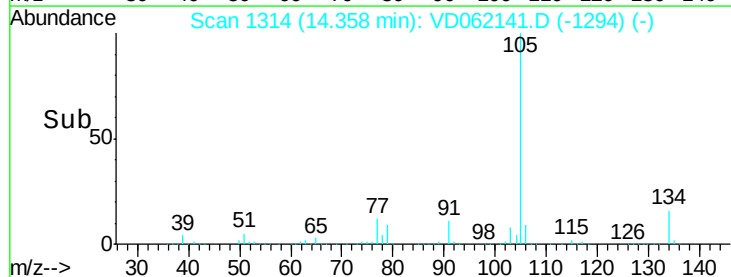
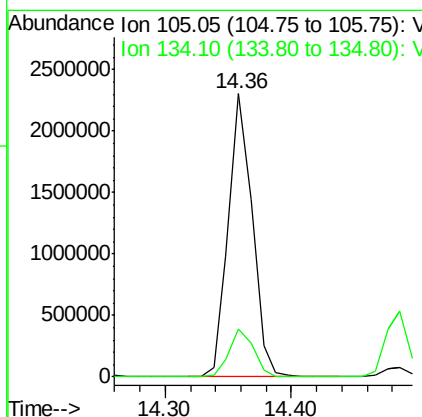
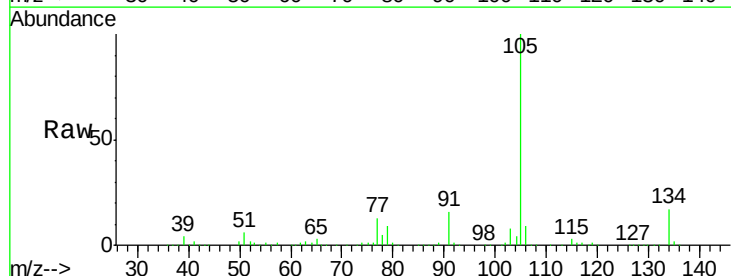
Manual Integrations
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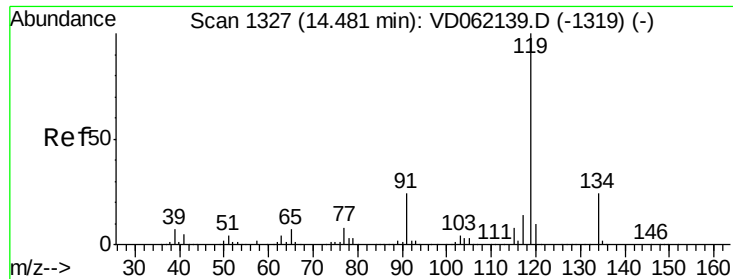
MMDadoda
5/9/2019 12:56:35 AM



#85
sec-Butylbenzene
Concen: 94.937 ug/l
RT: 14.36 min Scan# 1314
Delta R.T. -0.00 min
Lab File: VD062141.D
Acq: 7 May 2019 14:03

Tgt Ion:105 Resp: 3015428
Ion Ratio Lower Upper
105 100
134 17.0 8.9 26.7





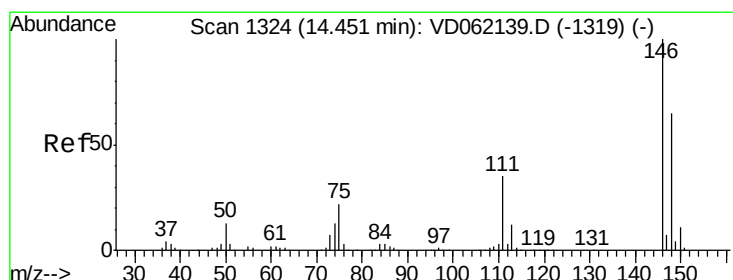
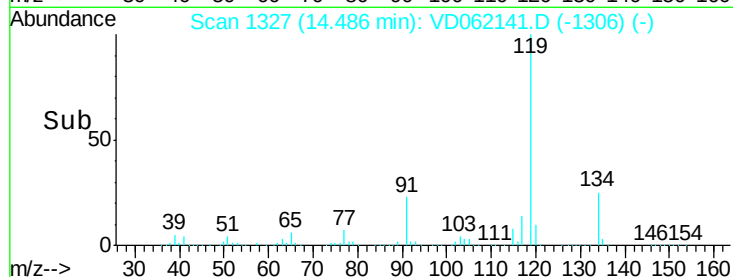
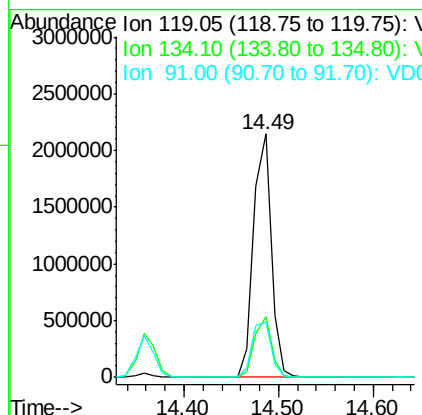
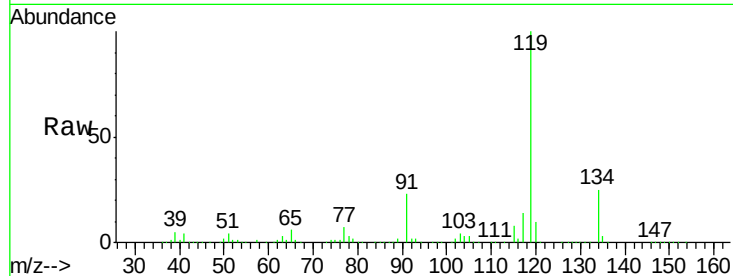
#86
 p-Isopropyltoluene
 Concen: 92.175 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. 0.01 min
 Lab File: VD062141.D
 Acq: 7 May 2019 14:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.1	12.8	38.3
91	22.7	10.7	32.1

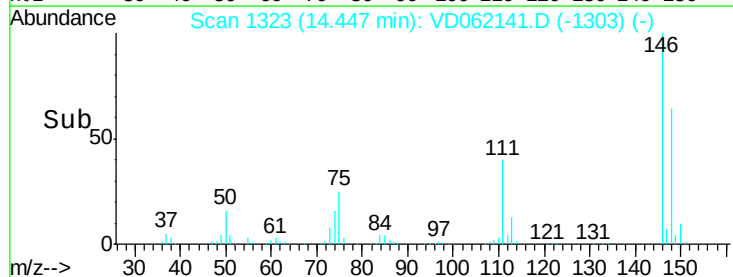
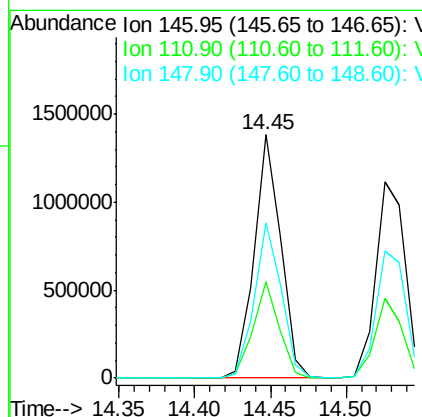
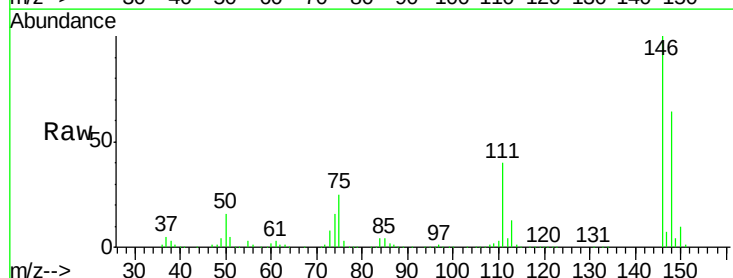
Manual Integrations
 APPROVED

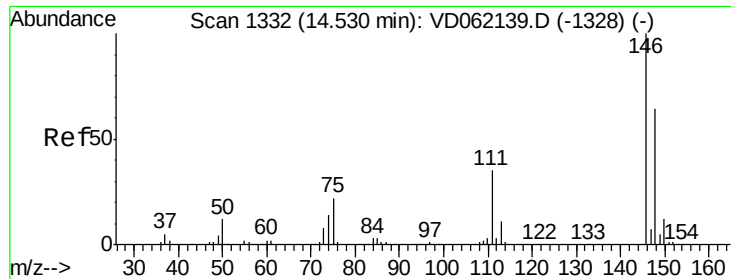
MMDadoda
 5/9/2019 12:56:35 AM



#87
 1,3-Dichlorobenzene
 Concen: 108.824 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VD062141.D
 Acq: 7 May 2019 14:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	20.0	60.0
148	63.7	31.8	95.4





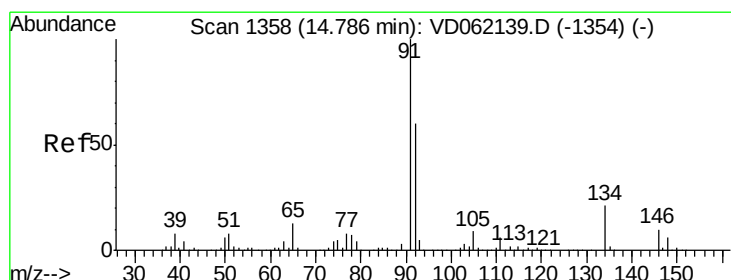
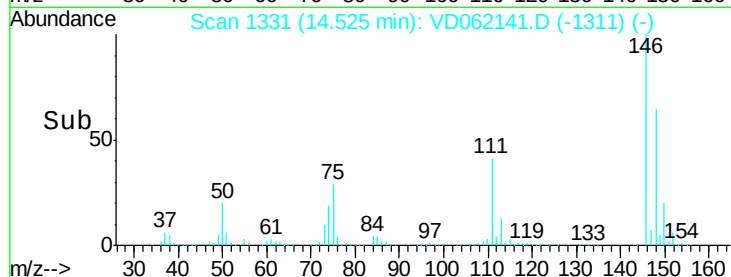
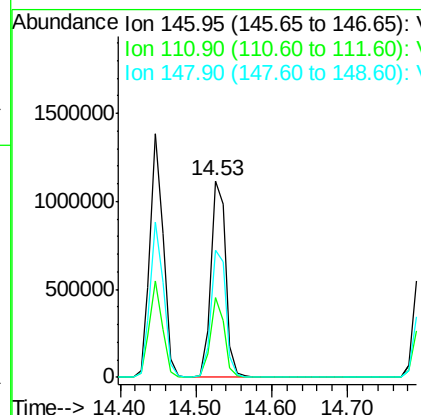
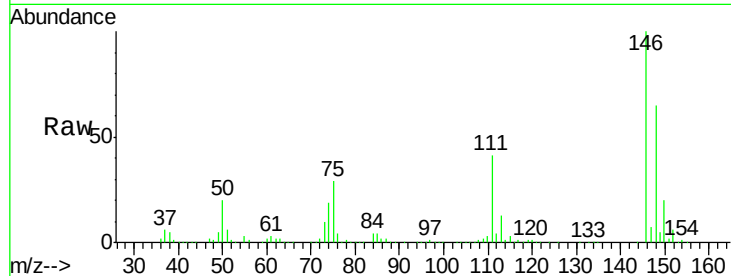
#88
 1,4-Dichlorobenzene
 Concen: 103.715 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.00 min
 Lab File: VD062141.D
 Acq: 7 May 2019 14:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion:146 Resp: 1537126
 Ion Ratio Lower Upper
 146 100
 111 40.5 20.2 60.5
 148 64.7 32.0 96.2

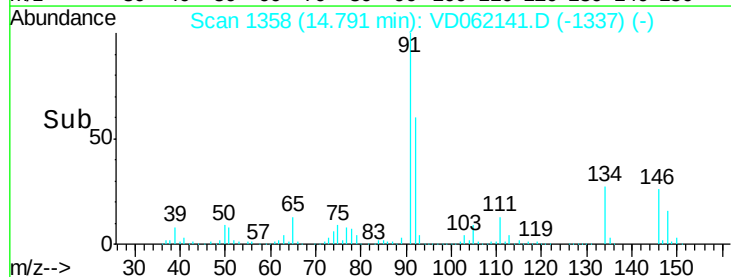
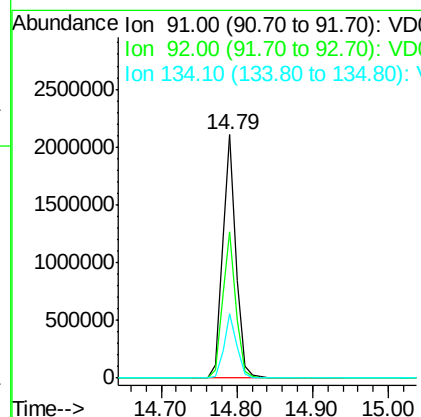
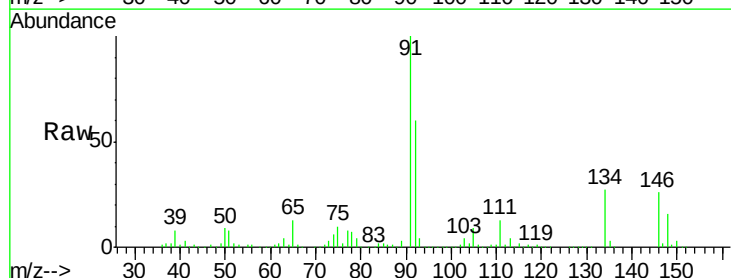
Manual Integrations
 APPROVED

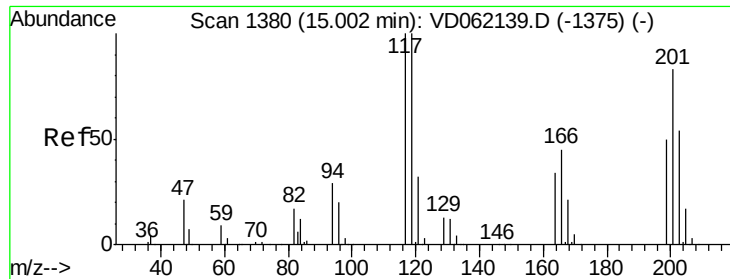
MMDadoda
 5/9/2019 12:56:35 AM



#89
 n-Butylbenzene
 Concen: 106.891 ug/l
 RT: 14.79 min Scan# 1358
 Delta R.T. 0.01 min
 Lab File: VD062141.D
 Acq: 7 May 2019 14:03

Tgt Ion: 91 Resp: 2622200
 Ion Ratio Lower Upper
 91 100
 92 60.0 30.3 91.0
 134 26.5 14.5 43.6





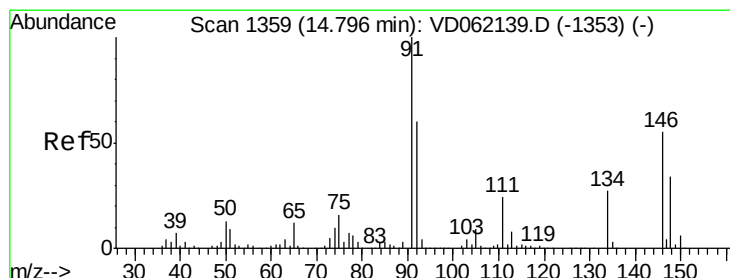
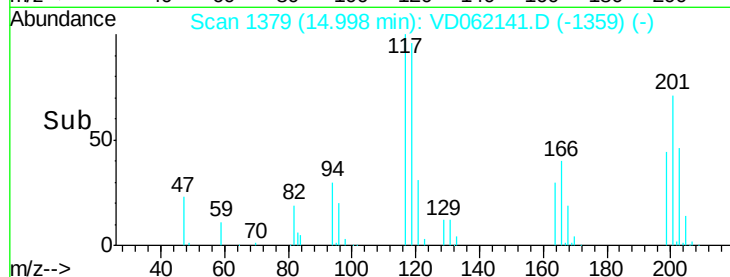
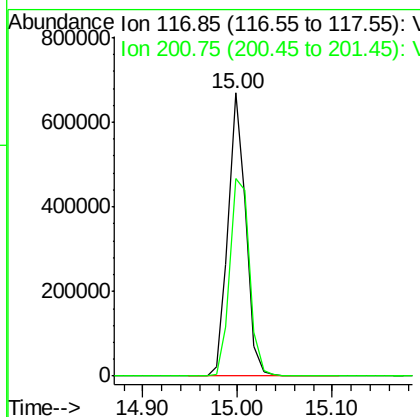
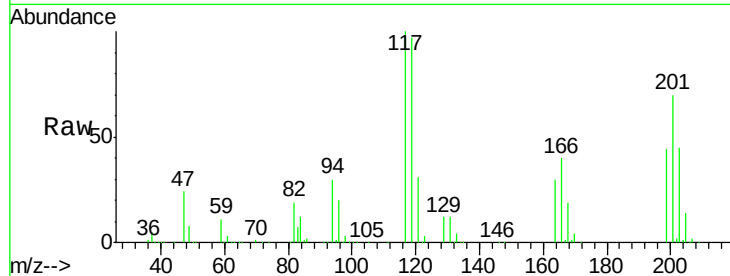
#90
Hexachloroethane
Concen: 109.720 ug/l
RT: 15.00 min Scan# 1379
Delta R.T. -0.00 min
Lab File: VD062141.D
Acq: 7 May 2019 14:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion:117 Resp: 866315
Ion Ratio Lower Upper
117 100
201 70.0 30.2 90.6

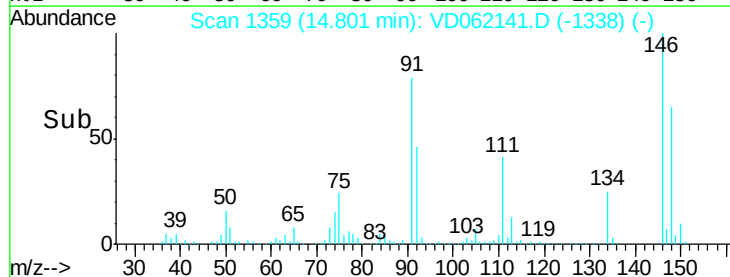
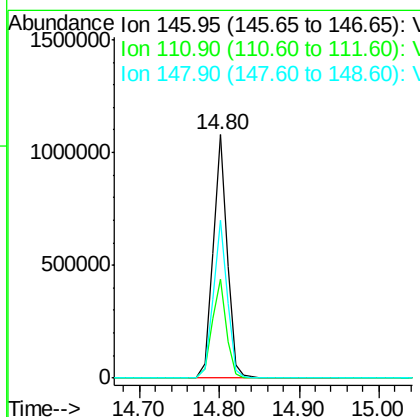
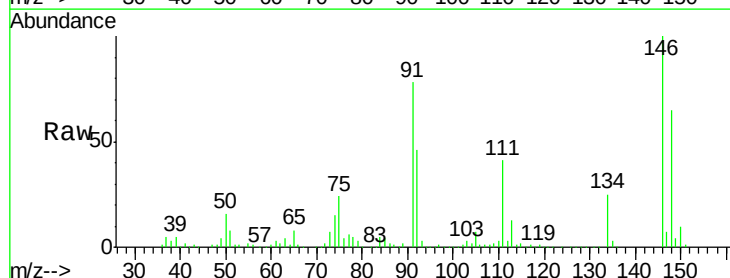
Manual Integrations
APPROVED

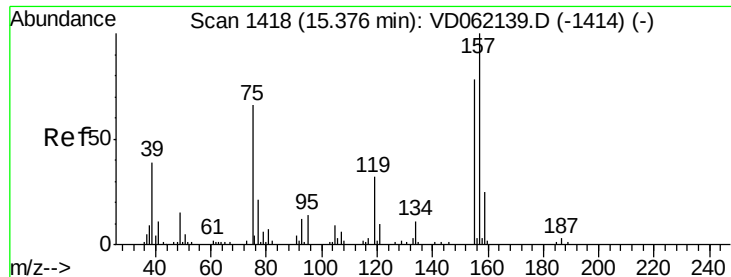
MMDadoda
5/9/2019 12:56:35 AM



#91
1,2-Dichlorobenzene
Concen: 110.646 ug/l
RT: 14.80 min Scan# 1359
Delta R.T. 0.01 min
Lab File: VD062141.D
Acq: 7 May 2019 14:03

Tgt Ion:146 Resp: 1348711
Ion Ratio Lower Upper
146 100
111 40.8 20.0 59.9
148 64.9 32.3 96.8





#92

1,2-Dibromo-3-Chloropropane

Concen: 118.290 ug/l

RT: 15.37 min Scan# 1417

Delta R.T. -0.00 min

Lab File: VD062141.D

Acq: 7 May 2019 14:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 111658

Ion Ratio Lower Upper

75 100

155 99.1 55.3 165.8

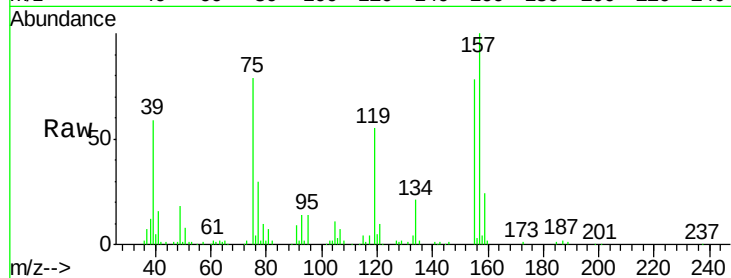
157 126.5 67.8 203.2

Manual Integrations

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MMDadoda

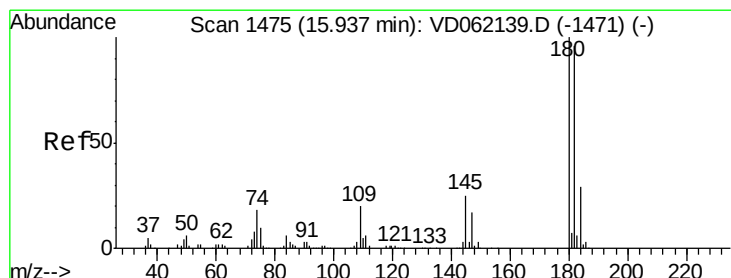
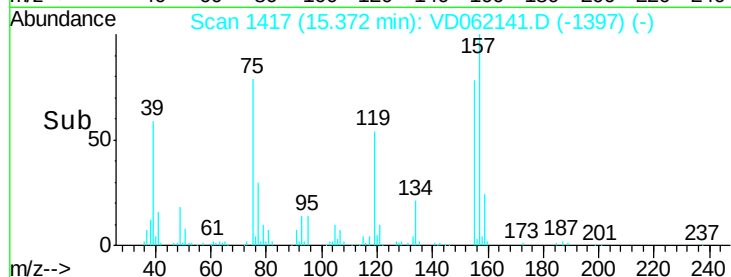
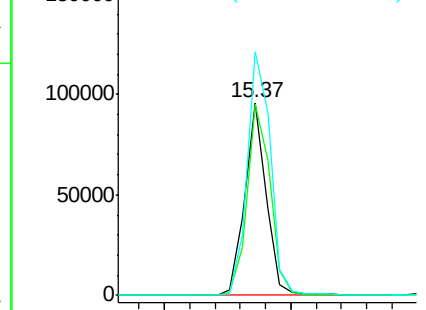
5/9/2019 12:56:35 AM



Abundance Ion 75.00 (74.70 to 75.70): VD

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V



#93

1,2,4-Trichlorobenzene

Concen: 110.457 ug/l

RT: 15.93 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VD062141.D

Acq: 7 May 2019 14:03

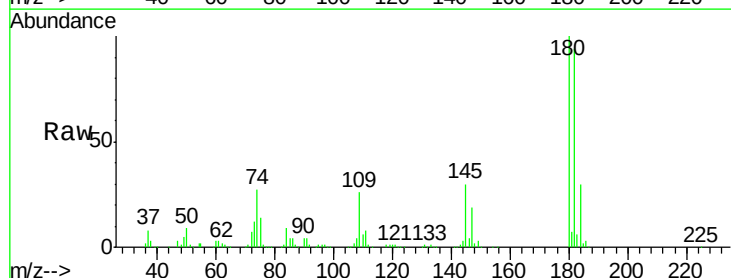
Tgt Ion:180 Resp: 981430

Ion Ratio Lower Upper

180 100

182 93.5 49.3 147.8

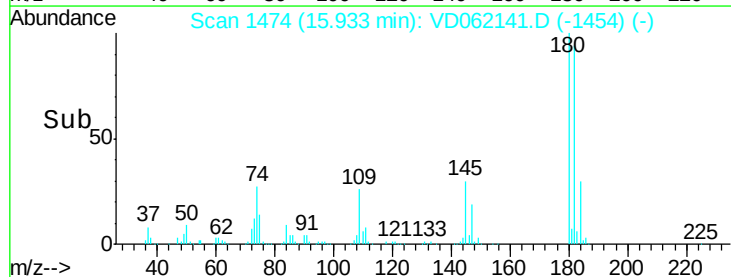
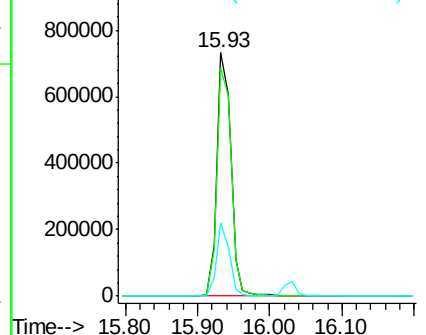
145 30.4 16.2 48.6

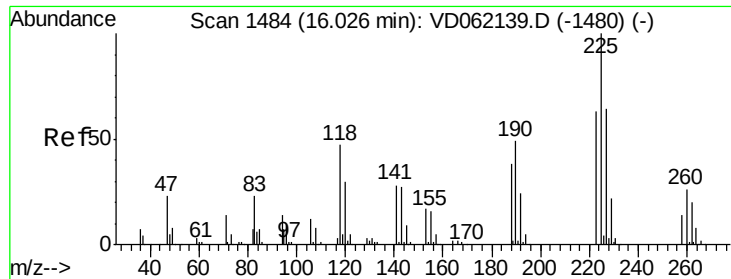


Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V





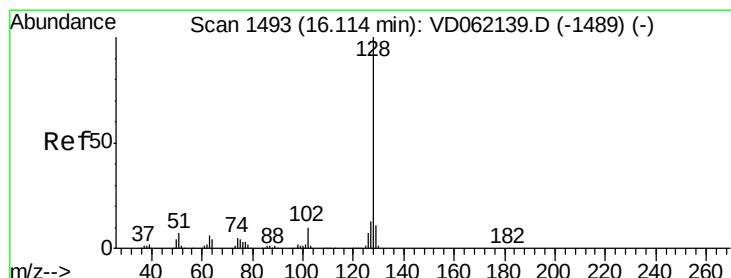
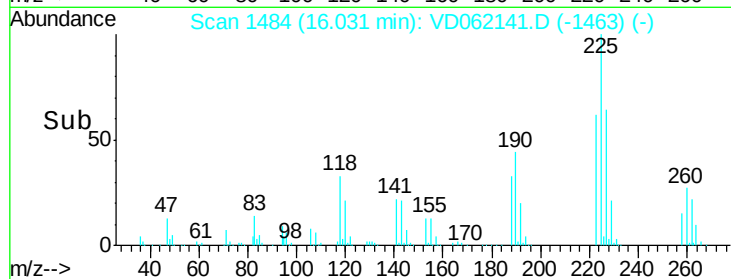
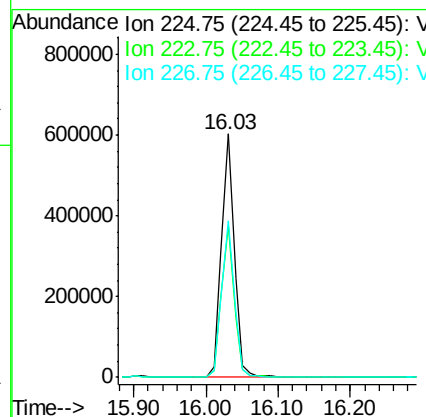
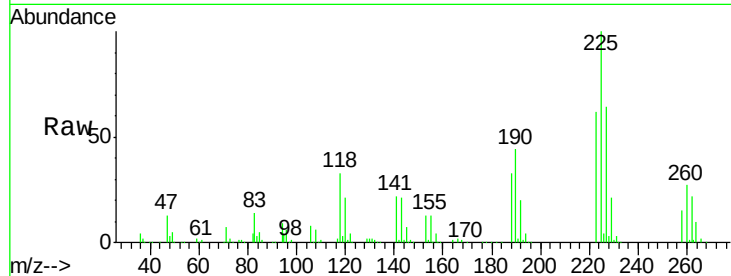
#94
Hexachlorobutadiene
Concen: 107.049 ug/l
RT: 16.03 min Scan# 1484
Delta R.T. 0.01 min
Lab File: VD062141.D
Acq: 7 May 2019 14:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
225	100	737034		
223	62.0		30.6	92.0
227	64.3		32.0	96.2

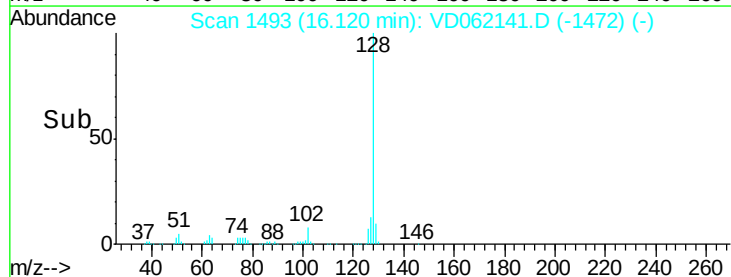
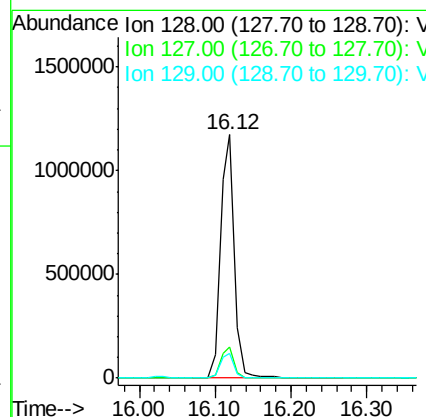
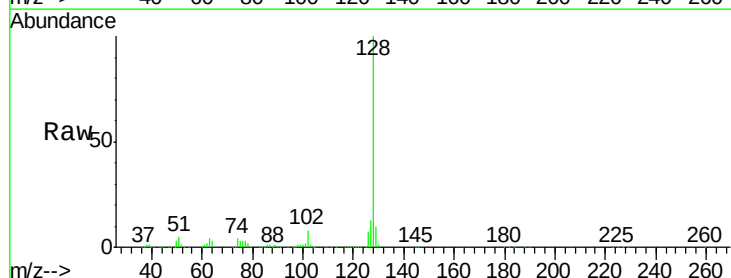
Manual Integrations
APPROVED

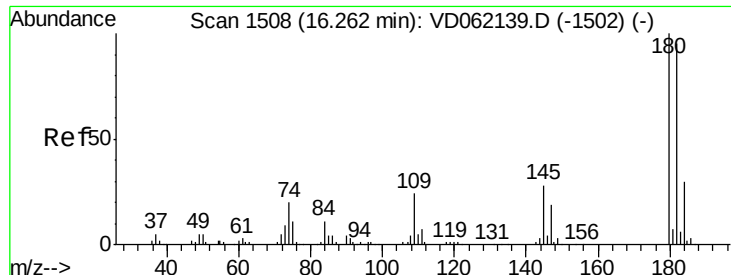
MMDadoda
5/9/2019 12:56:35 AM



#95
Naphthalene
Concen: 114.075 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.01 min
Lab File: VD062141.D
Acq: 7 May 2019 14:03

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	1517172		
127	12.7		9.8	14.8
129	10.1		8.8	13.2





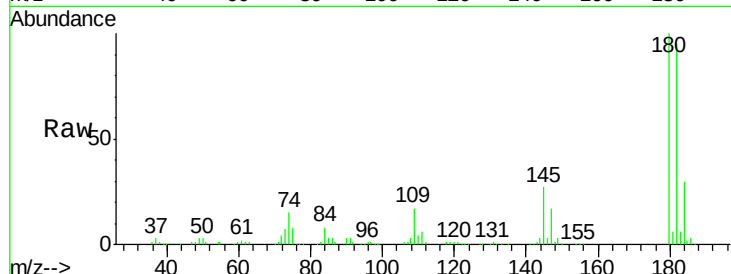
#96
 1,2,3-Trichlorobenzene
 Concen: 114.185 ug/l
 RT: 16.27 min Scan# 1508
 Delta R.T. 0.01 min
 Lab File: VD062141.D
 Acq: 7 May 2019 14:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	669578		
182	94.9		47.0	141.0
145	27.0		17.0	51.0

Manual Integrations
 APPROVED

MMDadoda
 5/9/2019 12:56:35 AM



Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

