

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062419\
 Data File : VD062853.D
 Acq On : 24 Jun 2019 21:04
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/25/2019 9:59:56 AM

Quant Time: Jun 25 06:02:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	875240	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1143248	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1010762	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	532864	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	520012	54.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.32%	
35) Dibromofluoromethane	6.93	113	532877	55.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.56%	
50) Toluene-d8	10.42	98	1184787	56.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.94%	
62) 4-Bromofluorobenzene	13.56	95	532746	55.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	467289	41.258	ug/l	95
3) Chloromethane	1.75	50	356081	41.804	ug/l	98
4) Vinyl Chloride	1.85	62	342808	40.591	ug/l	98
5) Bromomethane	2.15	94	156169	39.486	ug/l	93
6) Chloroethane	2.26	64	196391	51.364	ug/l	98
7) Trichlorofluoromethane	2.53	101	774543	45.317	ug/l	95
8) Diethyl Ether	2.87	74	132480	61.005	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	3.15	101	426369	46.047	ug/l	94
10) Methyl Iodide	3.30	142	569201	46.595	ug/l	94
11) Tert butyl alcohol	4.08	59	123539	285.112	ug/l	99
12) 1,1-Dichloroethene	3.12	96	307008	44.198	ug/l	90
13) Acrolein	3.04	56	122966	277.985	ug/l	97
14) Allyl chloride	3.62	41	511922	49.877	ug/l	97
15) Acrylonitrile	4.20	53	322269	316.528	ug/l	94
16) Acetone	3.23	43	547864	284.948	ug/l	97
17) Carbon Disulfide	3.37	76	1011356	45.557	ug/l	98
18) Methyl Acetate	3.64	43	191094	66.538	ug/l	95
19) Methyl tert-butyl Ether	4.24	73	903286	60.070	ug/l	99
20) Methylene Chloride	3.82	84	369772	50.964	ug/l	93
21) trans-1,2-Dichloroethene	4.22	96	372894	50.417	ug/l	96
22) Diisopropyl ether	5.13	45	1205814	57.769	ug/l	97
23) Vinyl Acetate	5.07	43	3806089	291.407	ug/l	99
24) 1,1-Dichloroethane	4.99	63	717406	52.790	ug/l	99
25) 2-Butanone	6.08	43	580296	326.127	ug/l	95
26) 2,2-Dichloropropane	6.03	77	698060	48.461	ug/l	95
27) cis-1,2-Dichloroethene	6.04	96	424419	54.264	ug/l	90
28) Bromochloromethane	6.45	49	266125	55.601	ug/l	96
29) Tetrahydrofuran	6.46	42	268334	318.731	ug/l	97
30) Chloroform	6.67	83	878470	53.152	ug/l	95
31) Cyclohexane	6.96	56	440726	49.331	ug/l	88
32) 1,1,1-Trichloroethane	6.88	97	846408	49.168	ug/l	93
36) 1,1-Dichloropropene	7.15	75	543200	50.192	ug/l	96
37) Ethyl Acetate	6.19	43	269819	59.561	ug/l	98
38) Carbon Tetrachloride	7.12	117	803756m	49.381	ug/l	

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 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	480859	50.477	ug/l	95
40) Benzene	7.46	78	1218217	56.077	ug/l	98
41) Methacrylonitrile	6.45	41	362918	63.588	ug/l	95
42) 1,2-Dichloroethane	7.59	62	690288	58.247	ug/l	99
43) Isopropyl Acetate	9.25	43	385289	67.906	ug/l #	100
44) Trichloroethene	8.55	130	443237	52.043	ug/l	96
45) 1,2-Dichloropropane	8.95	63	298471	55.254	ug/l	100
46) Dibromomethane	9.07	93	255687	55.102	ug/l	90
47) Bromodichloromethane	9.38	83	669762	55.577	ug/l	98
48) Methyl methacrylate	9.13	41	250421	62.108	ug/l	95
49) 1,4-Dioxane	9.09	88	49292	1469.432	ug/l	91
51) 4-Methyl-2-Pentanone	10.31	43	1279219	317.998	ug/l	100
52) Toluene	10.52	92	806678	55.241	ug/l	99
53) t-1,3-Dichloropropene	10.92	75	586648	59.475	ug/l	92
54) cis-1,3-Dichloropropene	10.05	75	604992	56.430	ug/l	93
55) 1,1,2-Trichloroethane	11.20	97	303105	60.415	ug/l	92
56) Ethyl methacrylate	11.05	69	356965	66.578	ug/l	96
57) 1,3-Dichloropropane	11.42	76	430394	56.027	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.87	63	893611	324.646	ug/l	97
59) 2-Hexanone	11.54	43	943535	329.338	ug/l	99
60) Dibromochloromethane	11.69	129	530028	56.719	ug/l	97
61) 1,2-Dibromoethane	11.81	107	362250	61.136	ug/l	98
64) Tetrachloroethene	11.27	164	447203	53.758	ug/l	95
65) Chlorobenzene	12.41	112	1046699	55.798	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.52	131	473487	53.973	ug/l	94
67) Ethyl Benzene	12.53	91	1714834	50.917	ug/l	99
68) m/p-Xylenes	12.68	106	1224257	104.369	ug/l	90
69) o-Xylene	13.06	106	586762	54.719	ug/l	95
70) Styrene	13.08	104	1045710	55.520	ug/l	95
71) Bromoform	13.24	173	351400	58.464	ug/l #	98
73) Isopropylbenzene	13.41	105	1666648	48.781	ug/l	99
74) N-amyl acetate	13.28	43	538619	64.916	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.71	83	334812	60.144	ug/l	98
76) 1,2,3-Trichloropropane	13.74	75	369484	60.064	ug/l	99
77) Bromobenzene	13.68	156	520130	56.599	ug/l	92
78) n-propylbenzene	13.78	91	1957142	49.216	ug/l	95
79) 2-Chlorotoluene	13.85	91	1188047	52.278	ug/l	95
80) 1,3,5-Trimethylbenzene	13.94	105	1518409	52.909	ug/l	93
81) trans-1,4-Dichloro-2-buten	13.48	75	95601	59.298	ug/l	96
82) 4-Chlorotoluene	13.96	91	1419276	51.875	ug/l	99
83) tert-Butylbenzene	14.19	119	1588664	49.663	ug/l	91
84) 1,2,4-Trimethylbenzene	14.24	105	1472104	50.047	ug/l	97
85) sec-Butylbenzene	14.37	105	1803734	51.880	ug/l	93
86) p-Isopropyltoluene	14.50	119	1638548	51.516	ug/l	97
87) 1,3-Dichlorobenzene	14.46	146	863646	52.427	ug/l	96
88) 1,4-Dichlorobenzene	14.55	146	837815	50.636	ug/l	96
89) n-Butylbenzene	14.80	91	1503746	50.512	ug/l	96
90) Hexachloroethane	15.01	117	458644	53.631	ug/l	76
91) 1,2-Dichlorobenzene	14.81	146	808534	57.367	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	15.38	75	73033	67.216	ug/l	87

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ClientSampleId :
VSTDCCC050EC

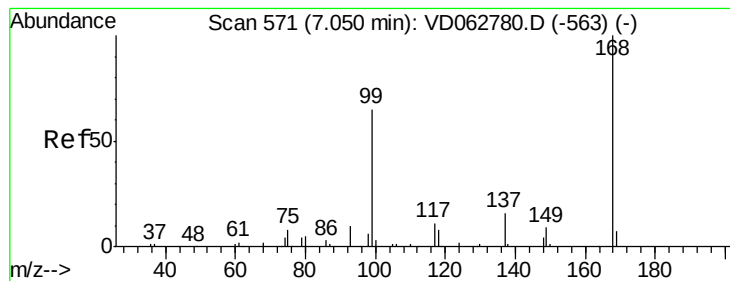
Manual Integrations
APPROVED

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Quant Title : SW846 8260
QLast Update : Thu Jun 20 01:50:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	613049	55.682	ug/l	99
94) Hexachlorobutadiene	16.04	225	412739	49.071	ug/l	95
95) Naphthalene	16.13	128	977581	63.350	ug/l	100
96) 1,2,3-Trichlorobenzene	16.28	180	480370	56.786	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.01 min

Lab File: VD062853.D

Acq: 24 Jun 2019 21:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 875240

Ion Ratio Lower Upper

168 100

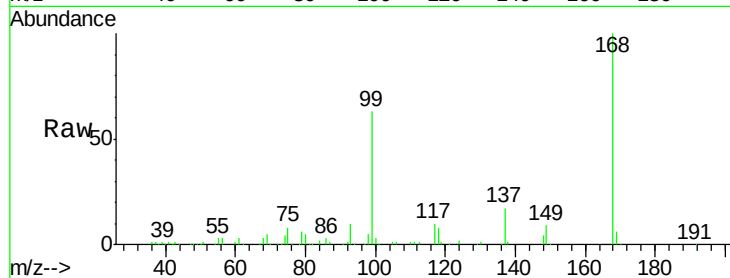
99 63.1 53.0 79.6

Manual Integrations

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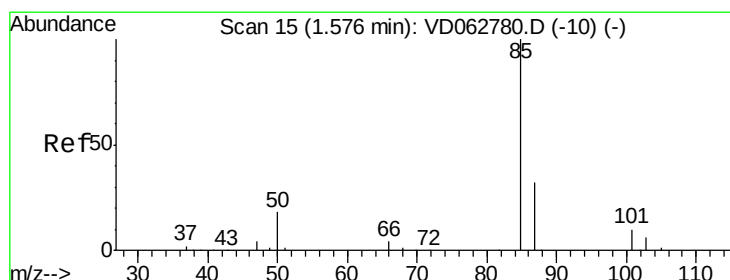
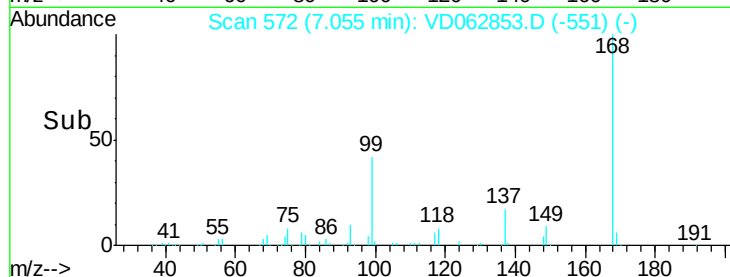
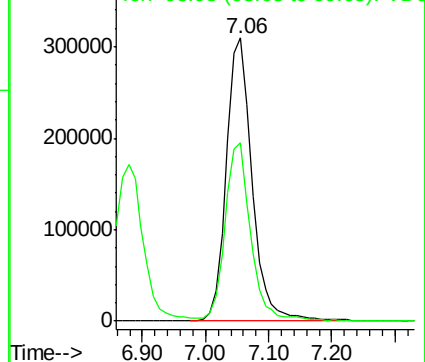
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 41.258 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.00 min

Lab File: VD062853.D

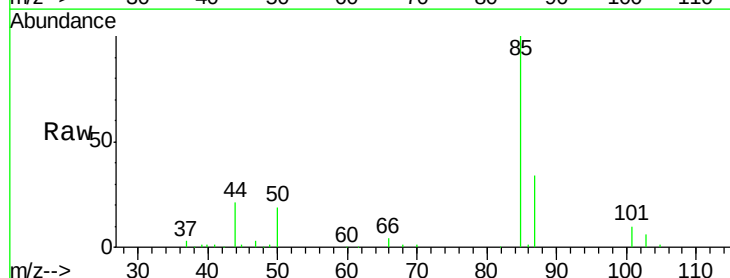
Acq: 24 Jun 2019 21:04

Tgt Ion: 85 Resp: 467289

Ion Ratio Lower Upper

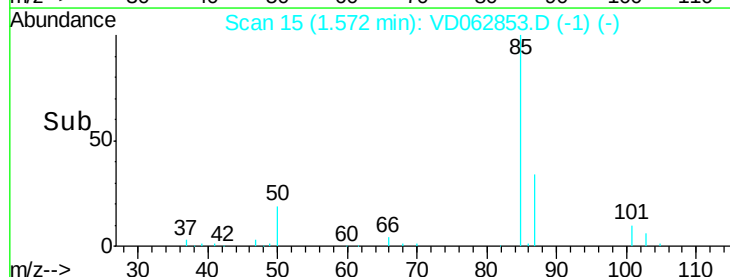
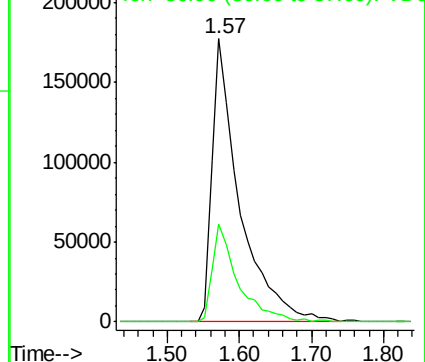
85 100

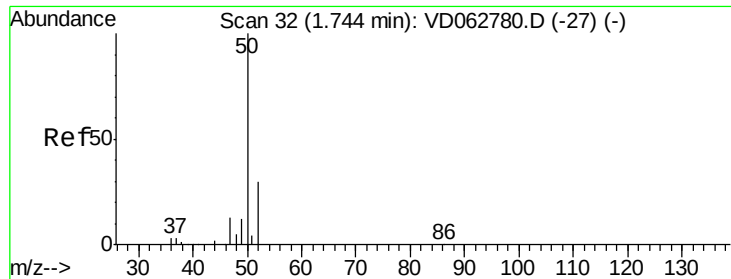
87 34.4 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 41.804 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD062853.D

Acq: 24 Jun 2019 21:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 356081

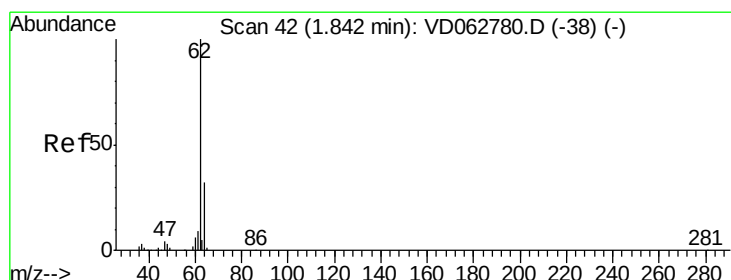
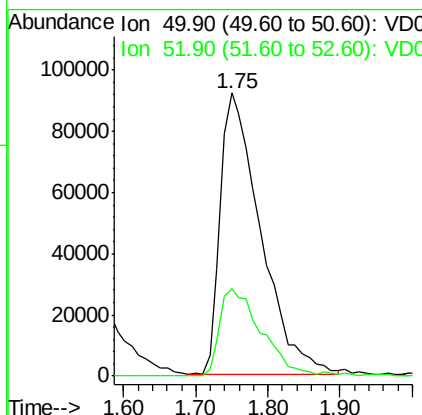
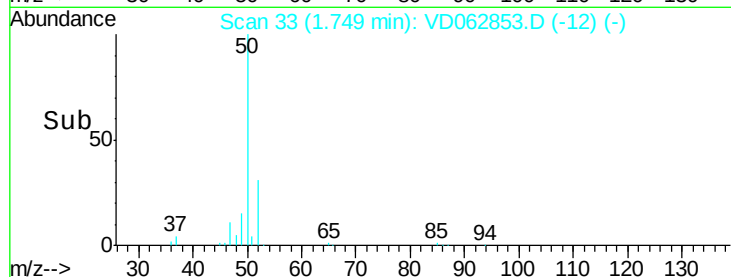
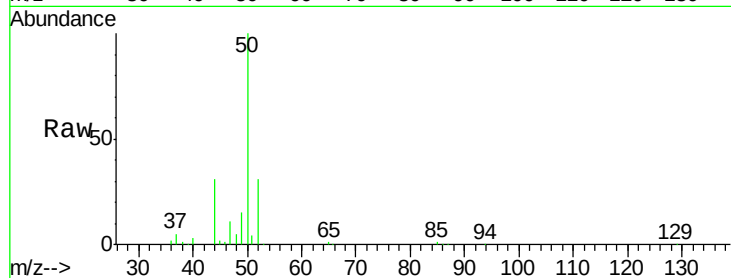
Ion Ratio Lower Upper

50 100

52 30.7 23.6 35.4

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#4

Vinyl Chloride

Concen: 40.591 ug/l

RT: 1.85 min Scan# 43

Delta R.T. 0.01 min

Lab File: VD062853.D

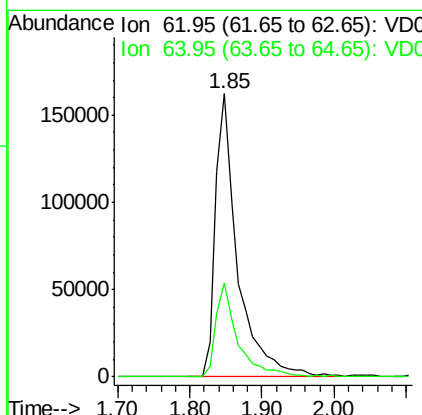
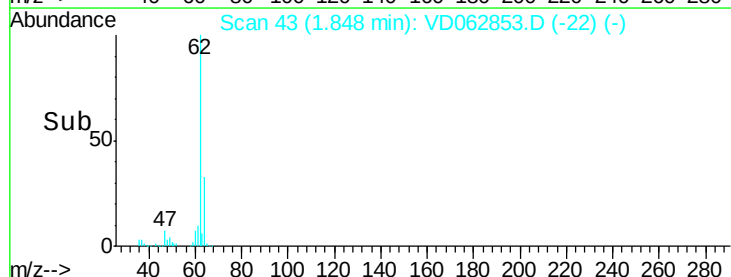
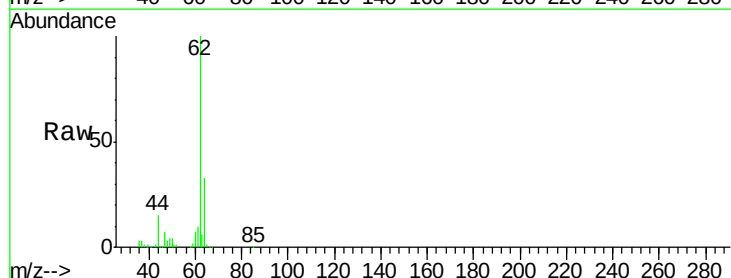
Acq: 24 Jun 2019 21:04

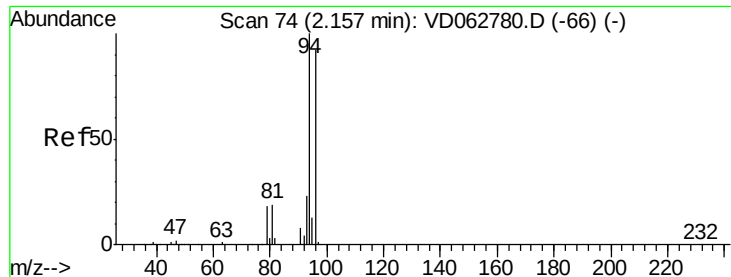
Tgt Ion: 62 Resp: 342808

Ion Ratio Lower Upper

62 100

64 33.1 25.6 38.4





#5

Bromomethane

Concen: 39.486 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.00 min

Lab File: VD062853.D

Acq: 24 Jun 2019 21:04

Instrument :

MSVOA_D

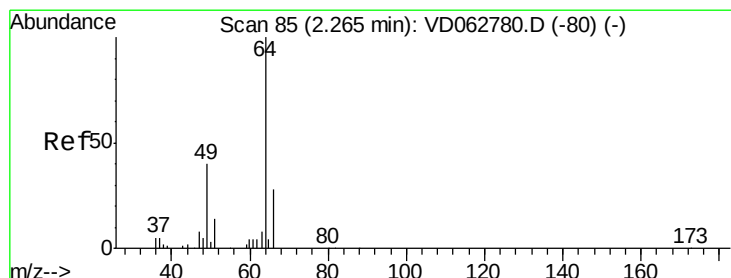
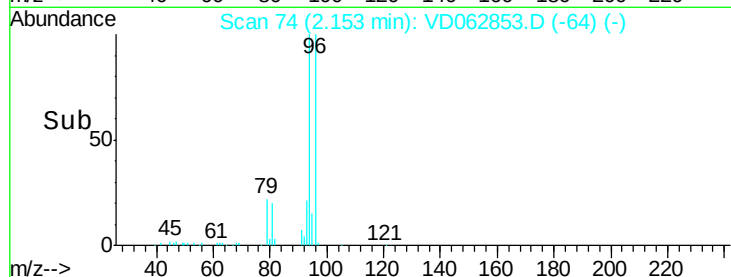
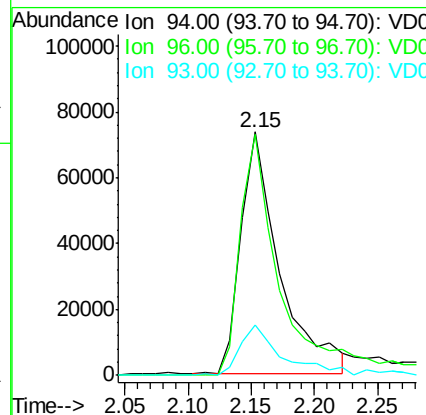
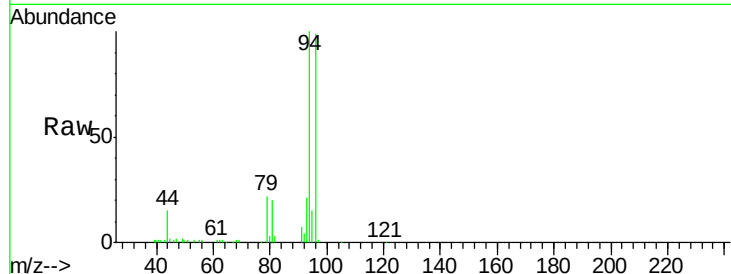
ClientSampleId :

VSTDCCC050EC

Tot Ion:	94	Resp:	156169
Ion	Ratio	Lower	Upper
94	100		
96	99.0	73.4	110.2
93	20.6	18.2	27.4

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#6

Chloroethane

Concen: 51.364 ug/l

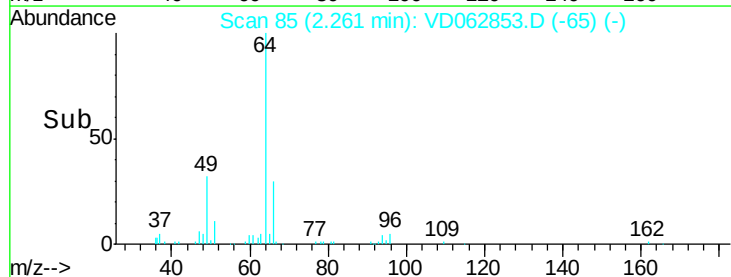
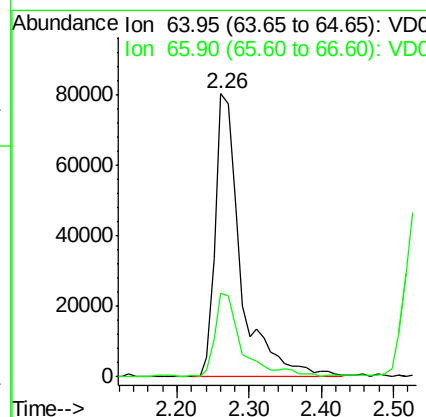
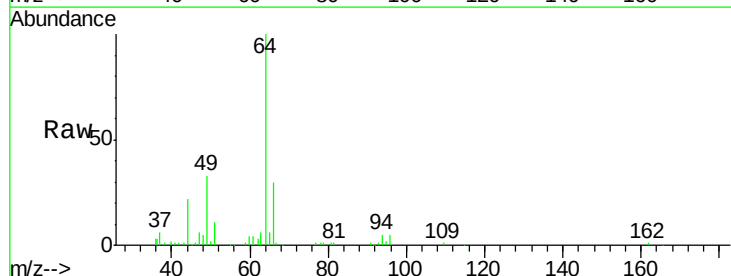
RT: 2.26 min Scan# 85

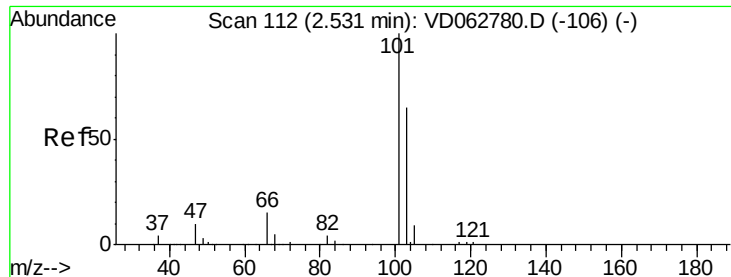
Delta R.T. -0.00 min

Lab File: VD062853.D

Acq: 24 Jun 2019 21:04

Tgt Ion:	64	Resp:	196391
Ion	Ratio	Lower	Upper
64	100		
66	29.6	23.0	34.4





#7

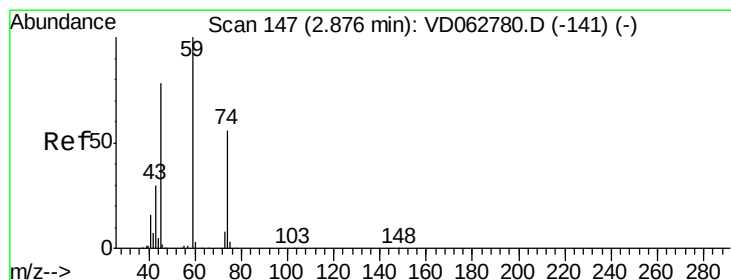
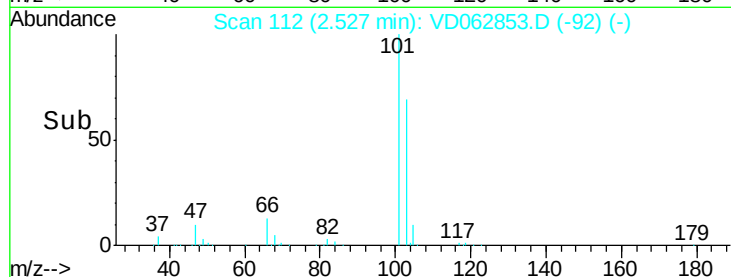
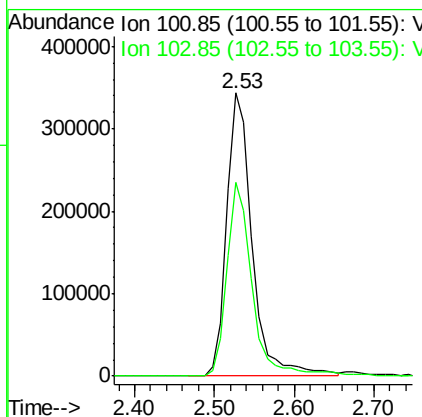
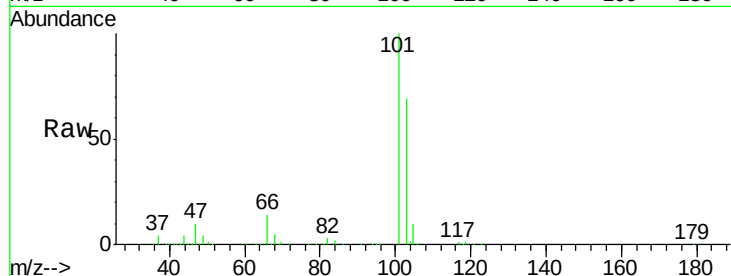
Trichlorofluoromethane
 Concen: 45.317 ug/l
 RT: 2.53 min Scan# 112
 Delta R.T. -0.00 min
 Lab File: VD062853.D
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 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	68.6	51.8	77.8

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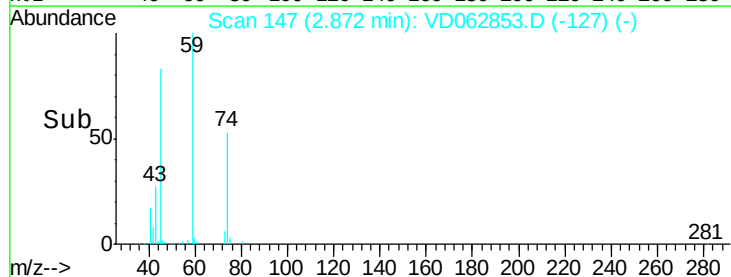
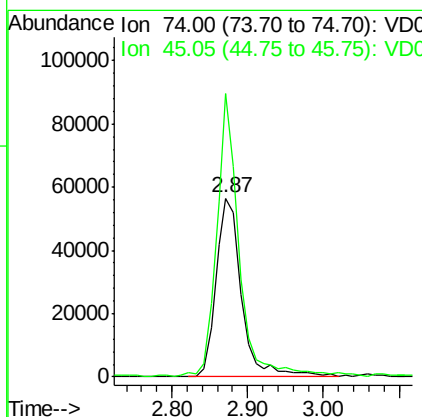
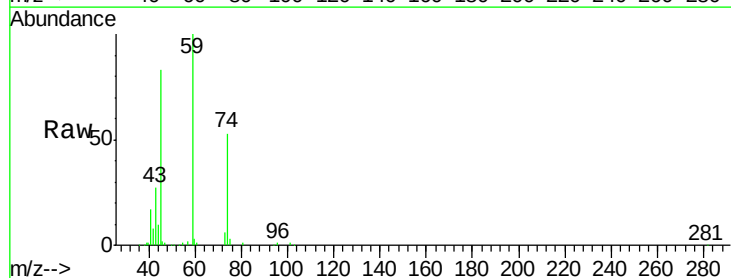
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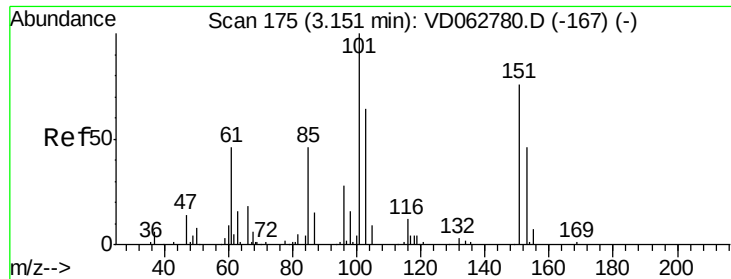


#8

Diethyl Ether
 Concen: 61.005 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. -0.00 min
 Lab File: VD062853.D
 Acq: 24 Jun 2019 21:04

Tgt Ion	Ratio	Lower	Upper
74	100		
45	158.4	70.2	210.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.047 ug/l

RT: 3.15 min Scan# 175

Delta R.T. -0.00 min

Lab File: VD062853.D

Acq: 24 Jun 2019 21:04

Instrument :

MSVOA_D

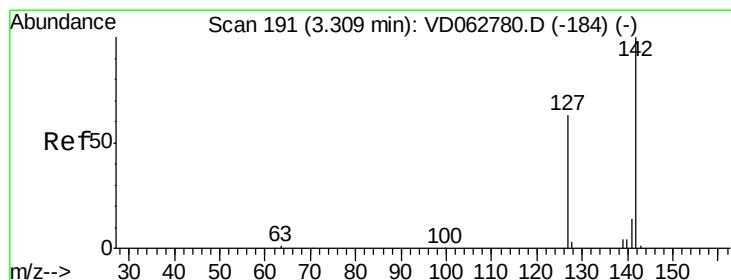
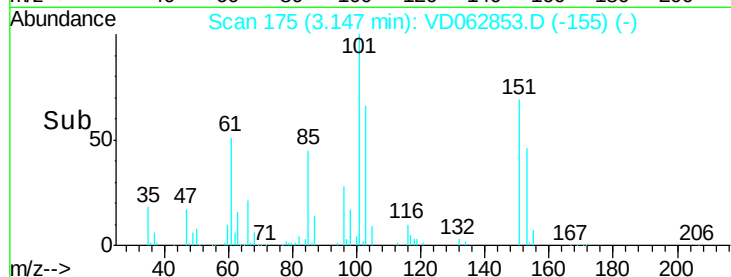
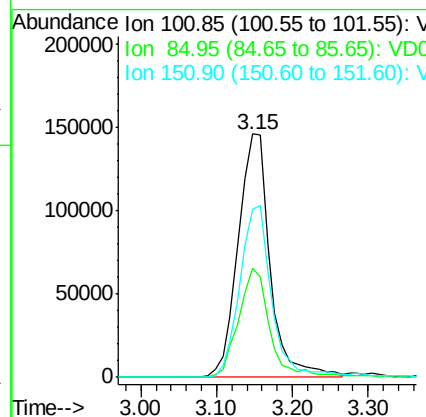
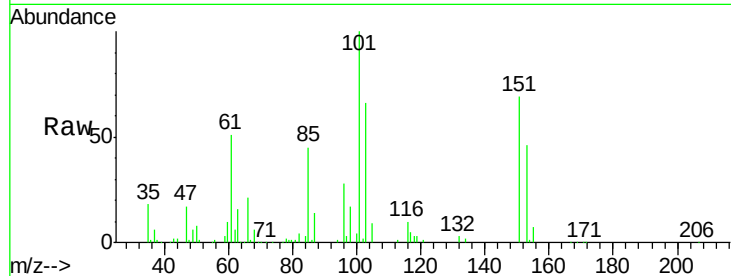
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	426369
Ion Ratio	Lower	Upper	
101	100		
85	45.1	37.0	55.4
151	68.8	60.5	90.7

Manual Integrations
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#10

Methyl Iodide

Concen: 46.595 ug/l

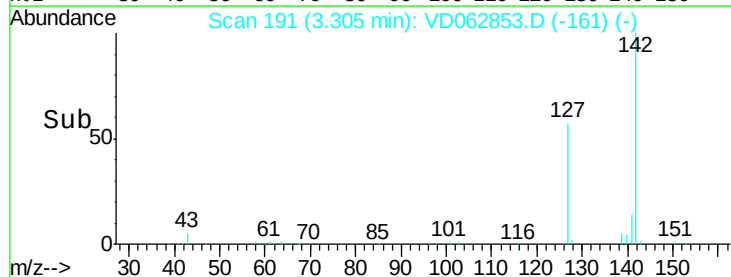
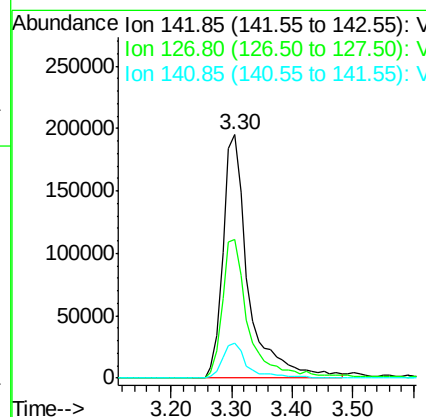
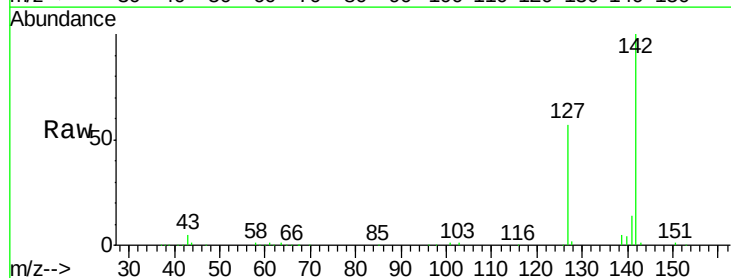
RT: 3.30 min Scan# 191

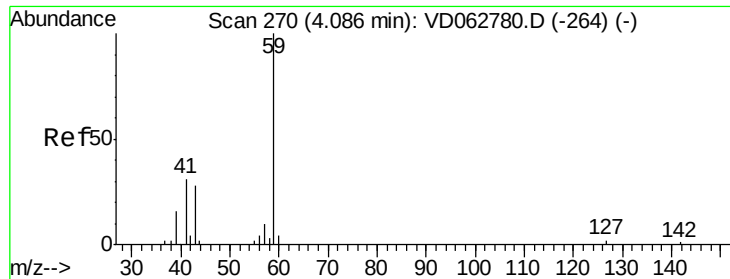
Delta R.T. -0.00 min

Lab File: VD062853.D

Acq: 24 Jun 2019 21:04

Tgt Ion:	142	Resp:	569201
Ion Ratio	Lower	Upper	
142	100		
127	57.2	50.1	75.1
141	14.1	11.0	16.4





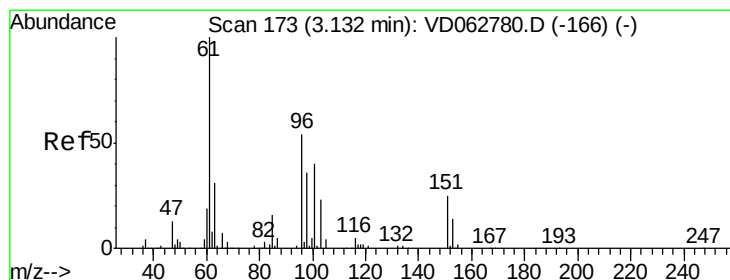
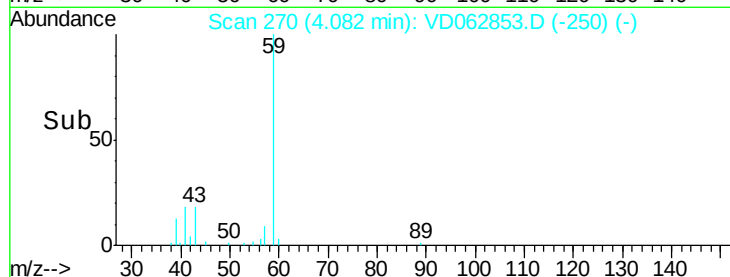
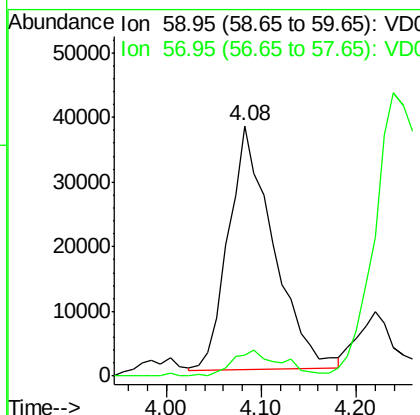
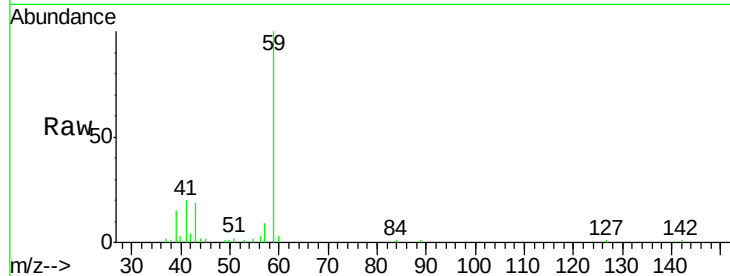
#11
Tert butyl alcohol
Concen: 285.112 ug/l
RT: 4.08 min Scan# 270
Delta R.T. -0.00 min
Lab File: VD062853.D
Acq: 24 Jun 2019 21:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
59	100	123539		
57	8.5	6.6	10.0	

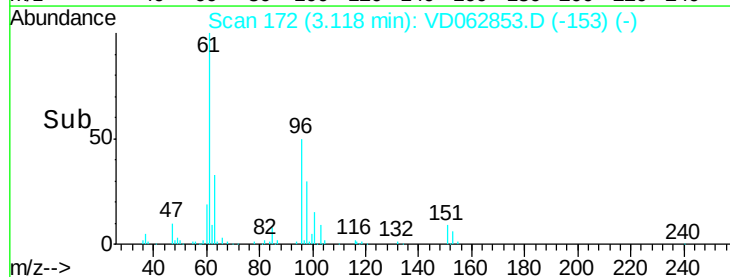
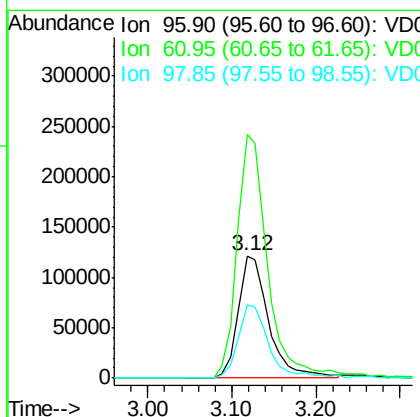
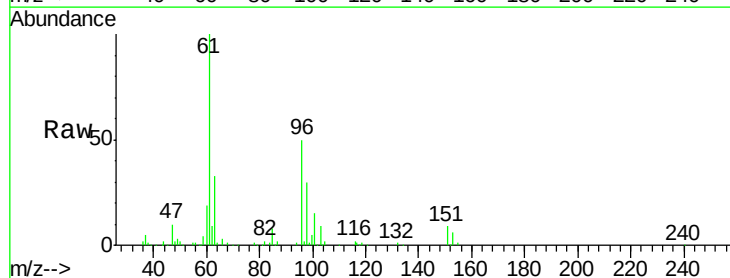
Manual Integrations
APPROVED

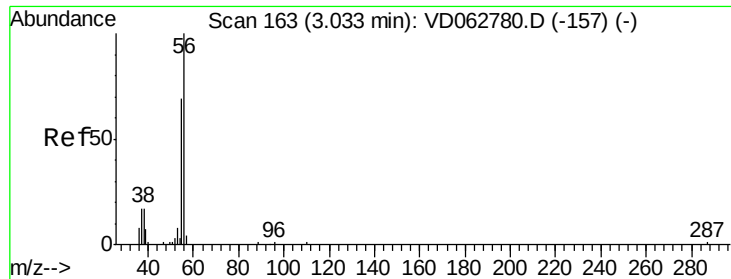
MMDadoda
6/25/2019 9:59:56 AM



#12
1,1-Dichloroethene
Concen: 44.198 ug/l
RT: 3.12 min Scan# 172
Delta R.T. -0.01 min
Lab File: VD062853.D
Acq: 24 Jun 2019 21:04

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	307008		
61	199.1	147.1	220.7	
98	60.3	52.6	79.0	





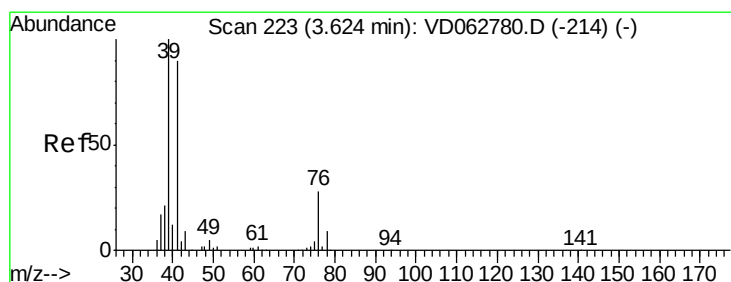
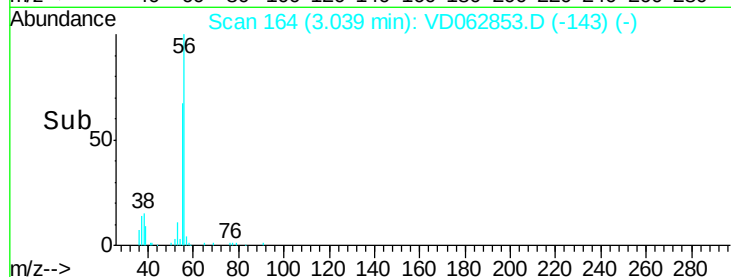
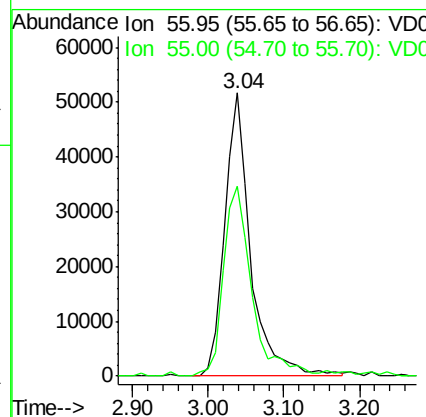
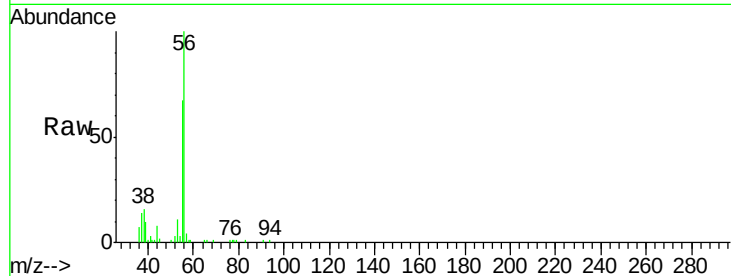
#13
Acrolein
Concen: 277.985 ug/l
RT: 3.04 min Scan# 164
Delta R.T. 0.01 min
Lab File: VD062853.D
Acq: 24 Jun 2019 21:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
55	67.1	55.4	83.0

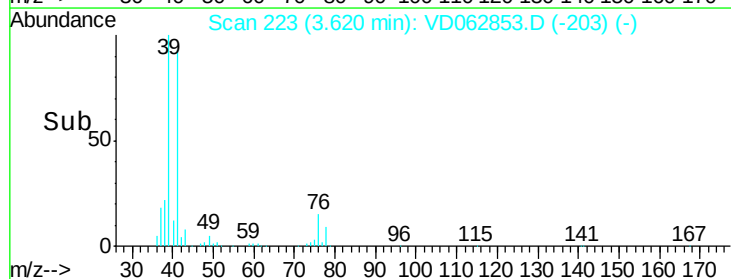
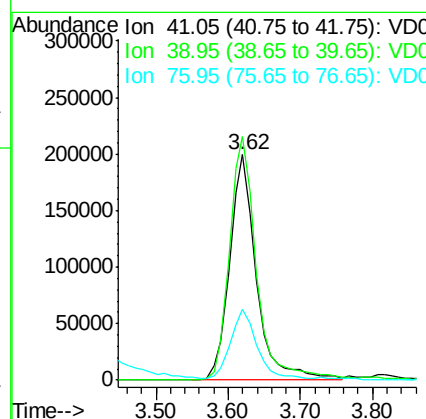
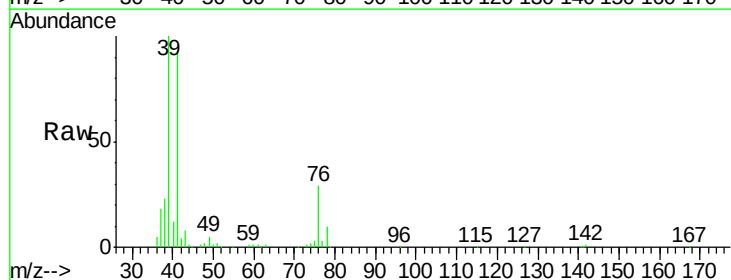
Manual Integrations
APPROVED

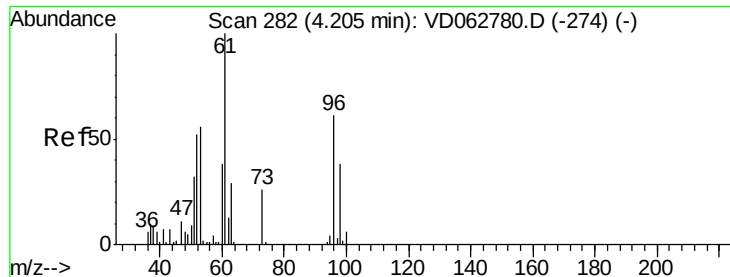
MMDadoda
6/25/2019 9:59:56 AM



#14
Allyl chloride
Concen: 49.877 ug/l
RT: 3.62 min Scan# 223
Delta R.T. -0.00 min
Lab File: VD062853.D
Acq: 24 Jun 2019 21:04

Tgt Ion	Ratio	Lower	Upper
41	100		
39	108.0	88.8	133.2
76	31.5	26.7	40.1





#15

Acrylonitrile

Concen: 316.528 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.00 min

Lab File: VD062853.D

Acq: 24 Jun 2019 21:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 53 Resp: 322269

Ion Ratio Lower Upper

53 100

52 91.2 73.3 109.9

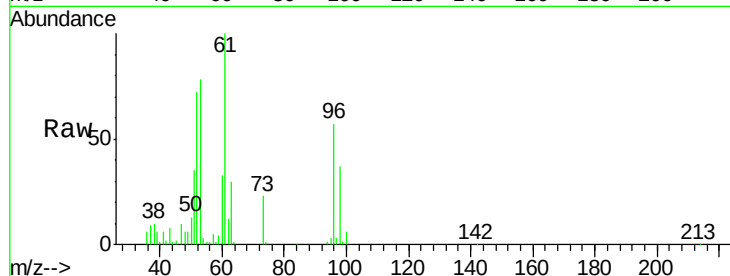
51 44.9 44.8 67.2

Manual Integrations

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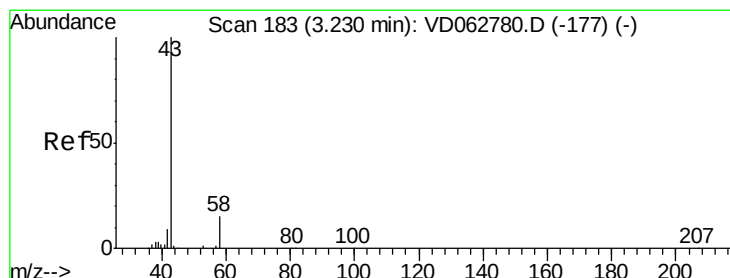
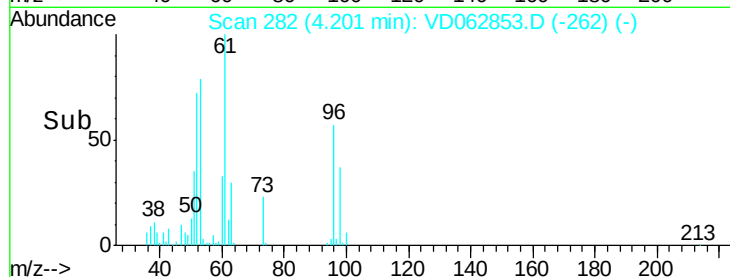
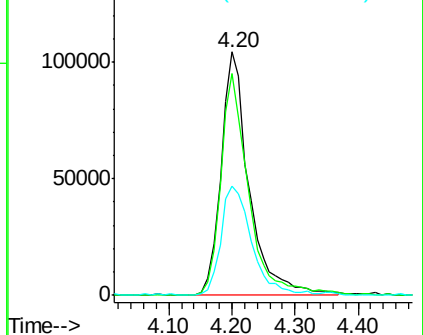
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Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 284.948 ug/l

RT: 3.23 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD062853.D

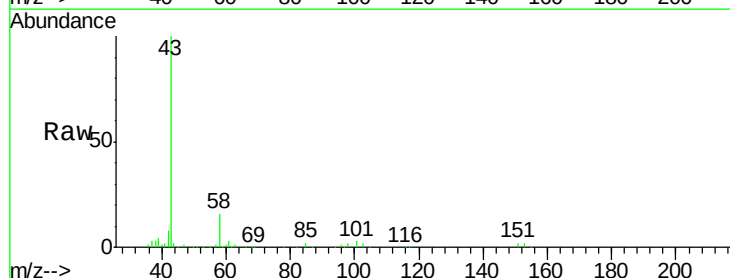
Acq: 24 Jun 2019 21:04

Tgt Ion: 43 Resp: 547864

Ion Ratio Lower Upper

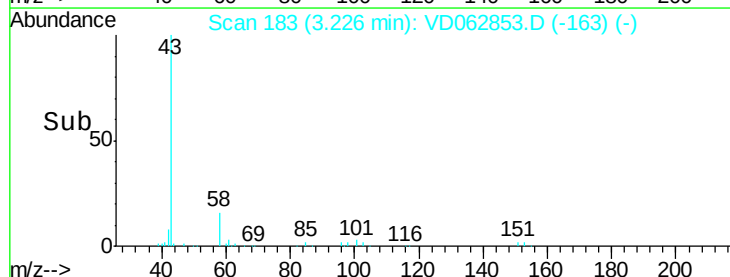
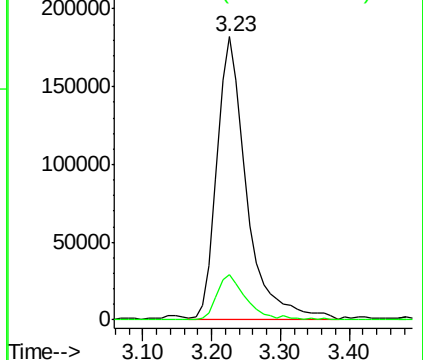
43 100

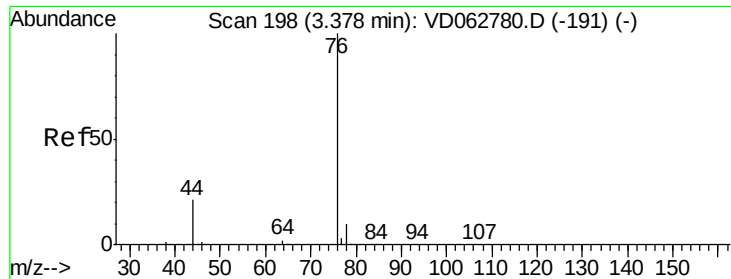
58 16.2 11.9 17.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





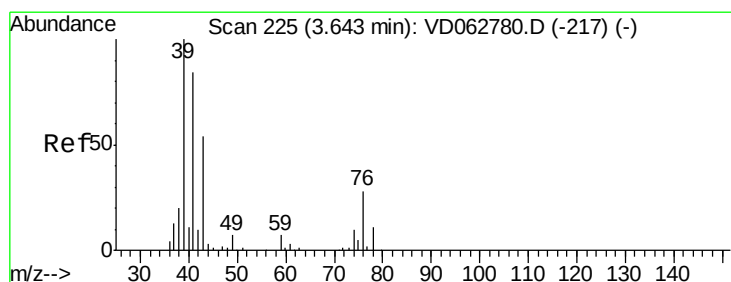
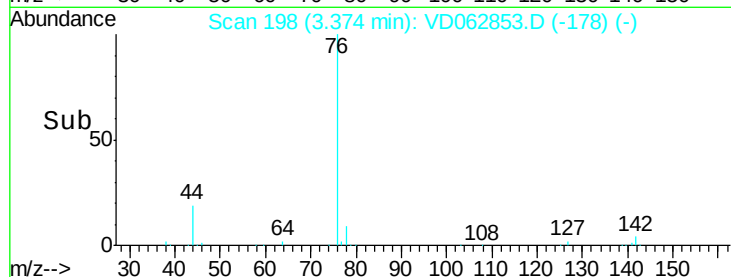
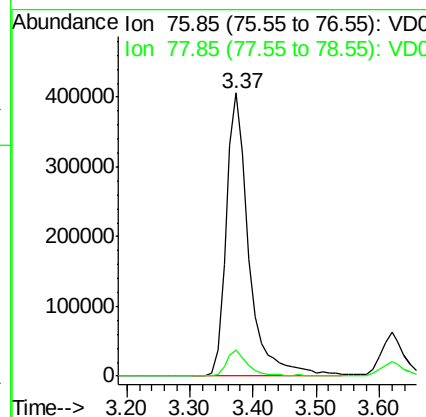
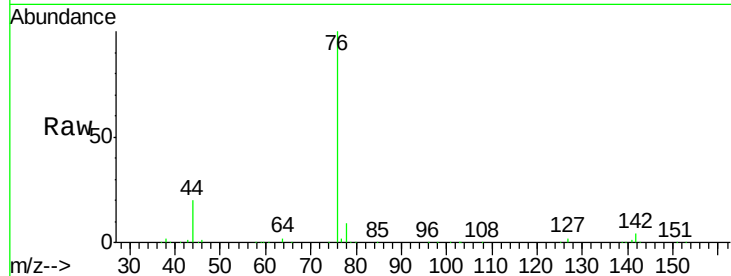
#17
Carbon Disulfide
Concen: 45.557 ug/l
RT: 3.37 min Scan# 198
Delta R.T. -0.00 min
Lab File: VD062853.D
Acq: 24 Jun 2019 21:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 1011356
Ion Ratio Lower Upper
76 100
78 9.1 8.0 12.0

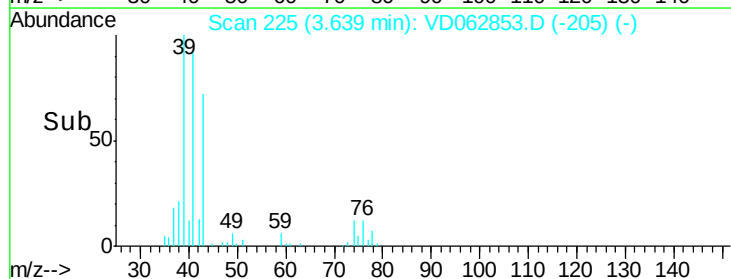
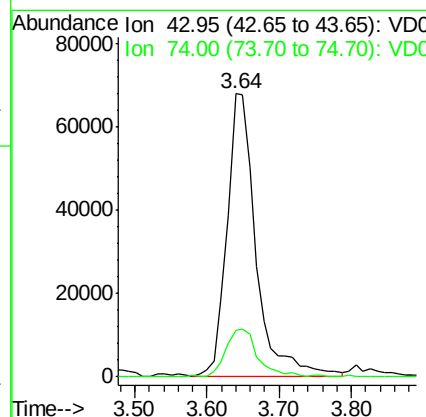
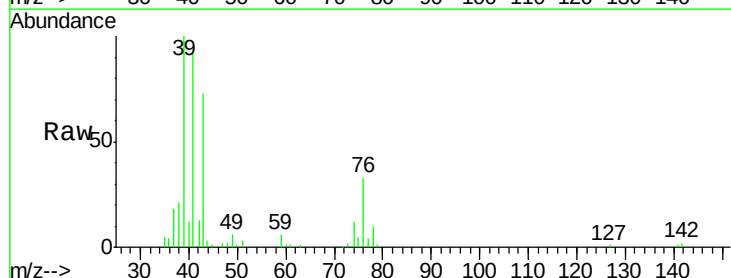
Manual Integrations
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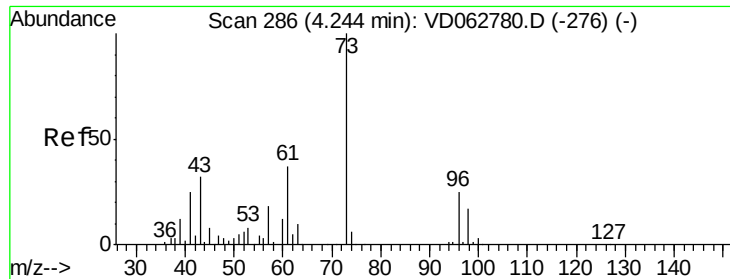
MMDadoda
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#18
Methyl Acetate
Concen: 66.538 ug/l
RT: 3.64 min Scan# 225
Delta R.T. -0.00 min
Lab File: VD062853.D
Acq: 24 Jun 2019 21:04

Tgt Ion: 43 Resp: 191094
Ion Ratio Lower Upper
43 100
74 16.6 15.2 22.8





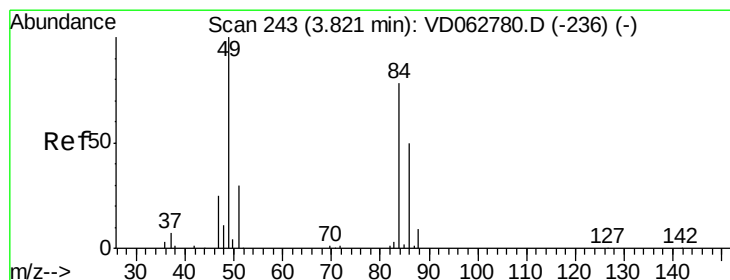
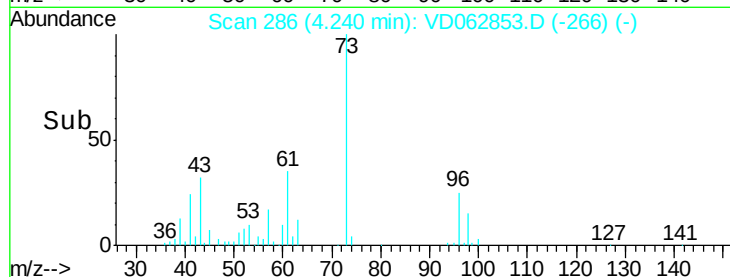
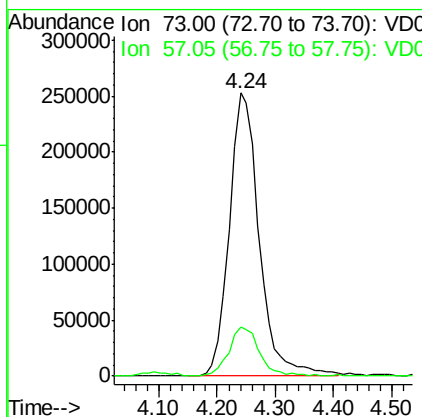
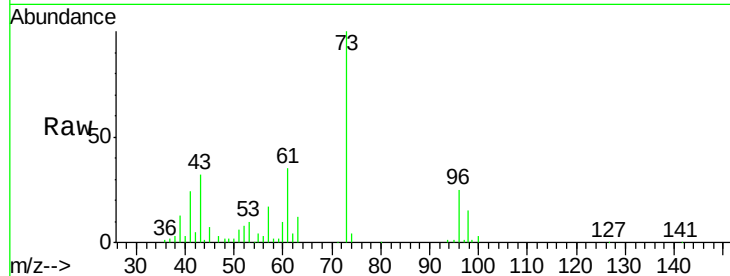
#19
Methyl tert-butyl Ether
Concen: 60.070 ug/l
RT: 4.24 min Scan# 286
Delta R.T. -0.00 min
Lab File: VD062853.D
Acq: 24 Jun 2019 21:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	17.3	14.3	21.5

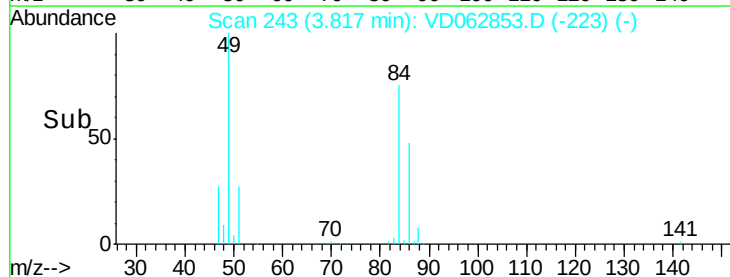
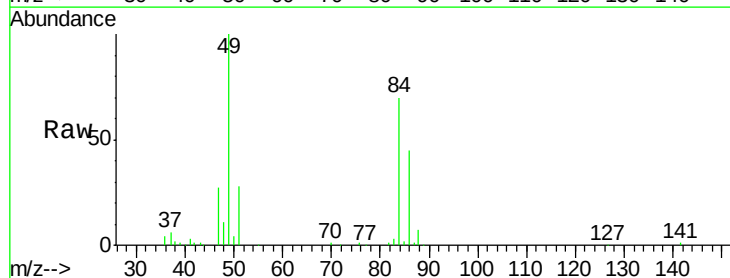
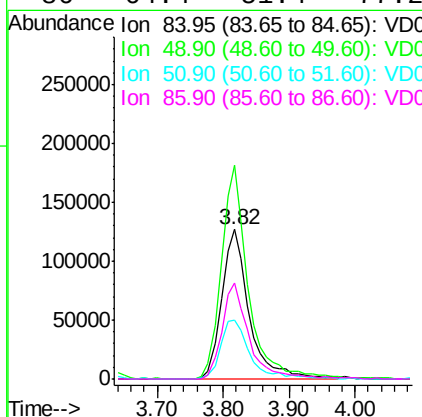
Manual Integrations
APPROVED

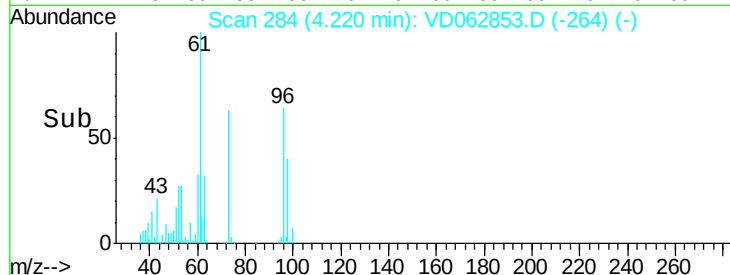
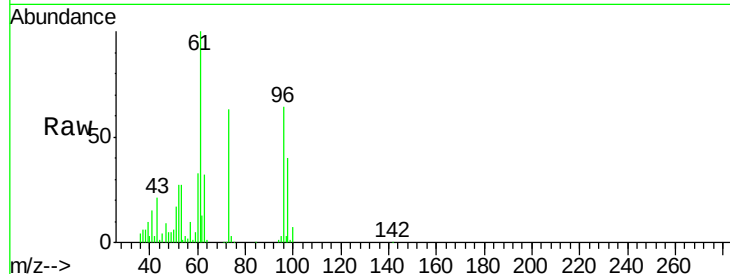
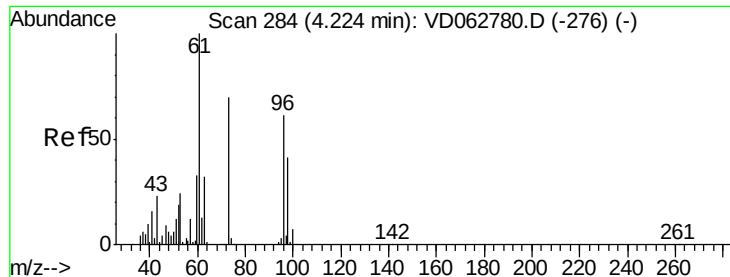
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#20
Methylene Chloride
Concen: 50.964 ug/l
RT: 3.82 min Scan# 243
Delta R.T. -0.00 min
Lab File: VD062853.D
Acq: 24 Jun 2019 21:04

Tgt Ion	Ratio	Lower	Upper
84	100		
49	143.2	102.9	154.3
51	39.6	31.2	46.8
86	64.4	51.4	77.2





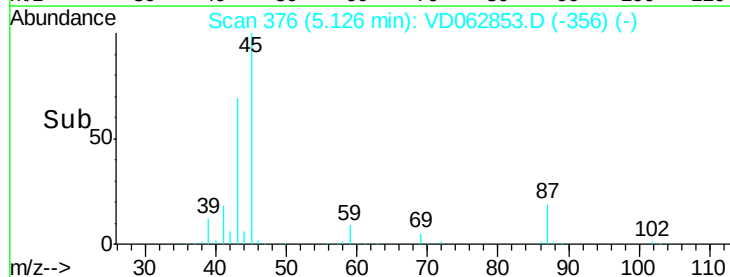
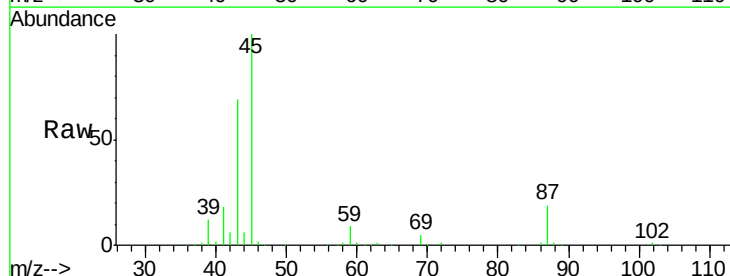
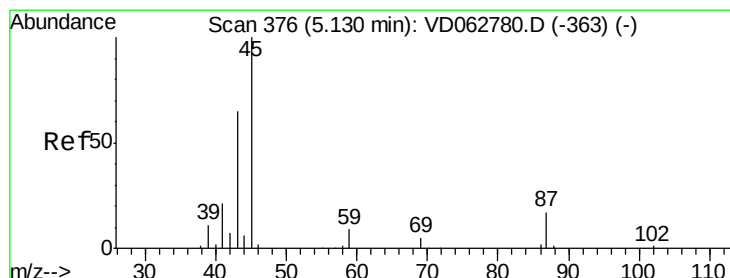
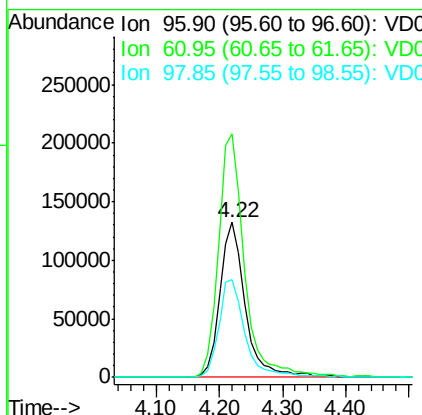
#21
trans-1,2-Dichloroethene
Concen: 50.417 ug/l
RT: 4.22 min Scan# 284
Delta R.T. -0.00 min
Lab File: VD062853.D
Acq: 24 Jun 2019 21:04

Tot Ion	Ratio	Lower	Upper
96	100		
61	157.3	131.0	196.4
98	63.5	53.2	79.8

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

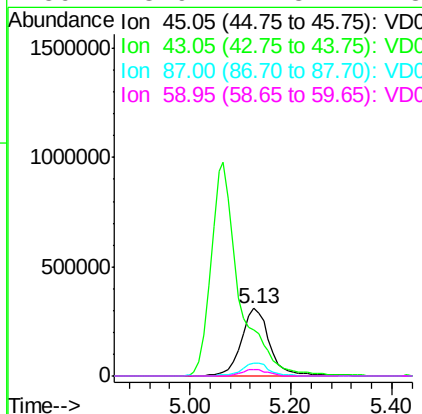
Manual Integrations
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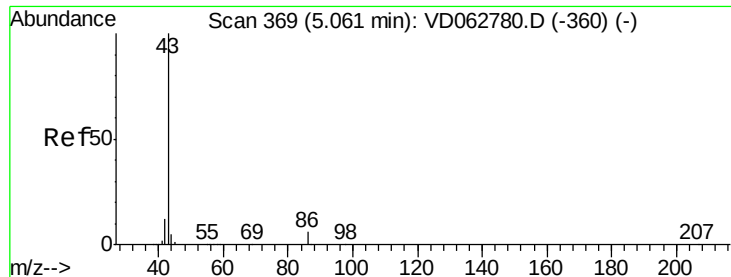
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#22
Diisopropyl ether
Concen: 57.769 ug/l
RT: 5.13 min Scan# 376
Delta R.T. -0.00 min
Lab File: VD062853.D
Acq: 24 Jun 2019 21:04

Tgt Ion	Ratio	Lower	Upper
45	100		
43	68.8	53.4	80.0
87	19.3	14.6	22.0
59	8.9	7.8	11.8





#23

Vinyl Acetate

Concen: 291.407 ug/l

RT: 5.07 min Scan# 370

Delta R.T. 0.01 min

Lab File: VD062853.D

Acq: 24 Jun 2019 21:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 3806089

Ion Ratio Lower Upper

43 100

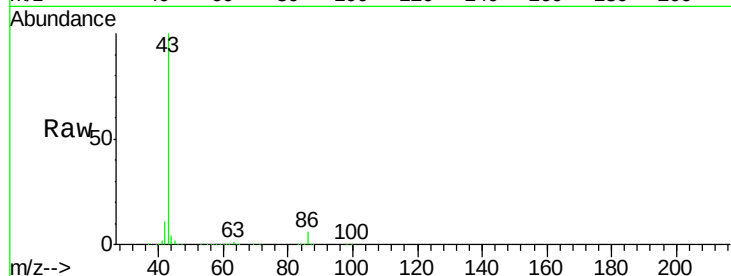
86 6.2 4.7 7.1

Manual Integrations

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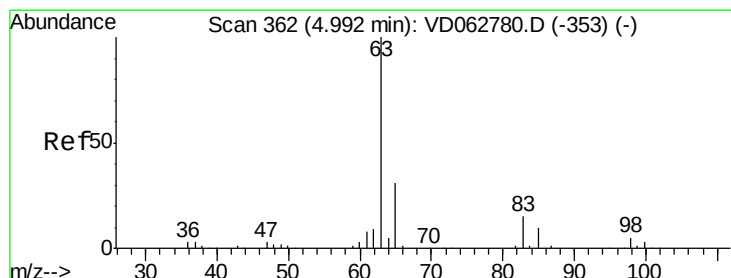
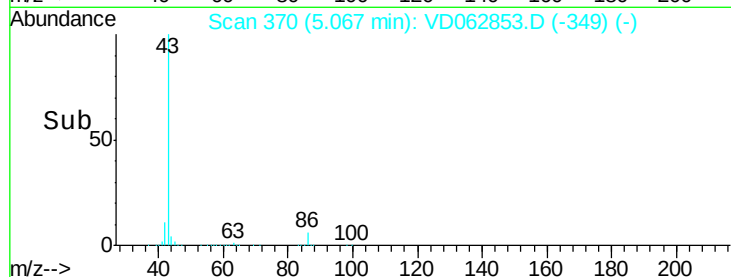
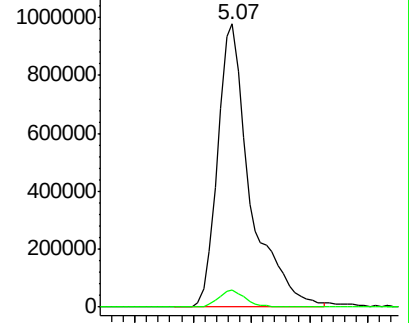
MMDadoda

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 52.790 ug/l

RT: 4.99 min Scan# 362

Delta R.T. -0.00 min

Lab File: VD062853.D

Acq: 24 Jun 2019 21:04

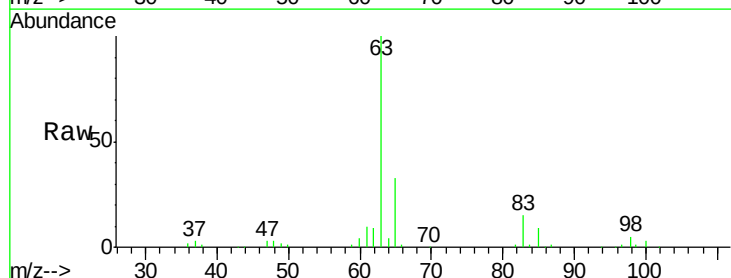
Tgt Ion: 63 Resp: 717406

Ion Ratio Lower Upper

63 100

98 5.2 2.3 6.9

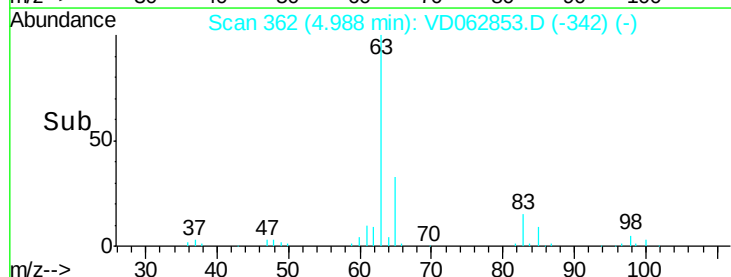
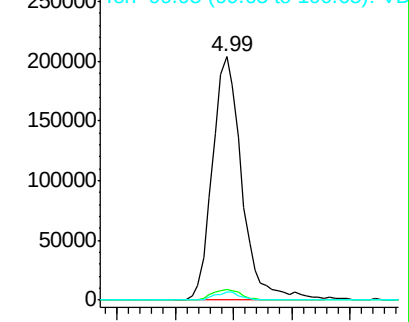
100 3.2 1.7 5.1

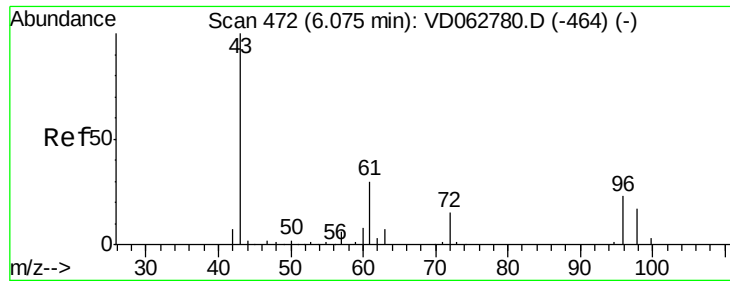


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 326.127 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.01 min

Lab File: VD062853.D

Acq: 24 Jun 2019 21:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 580296

Ion Ratio Lower Upper

43 100

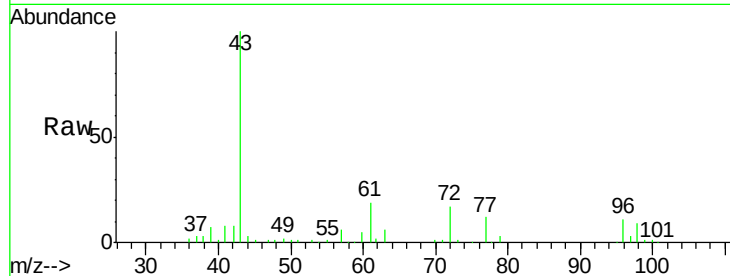
72 16.9 11.9 17.9

Manual Integrations

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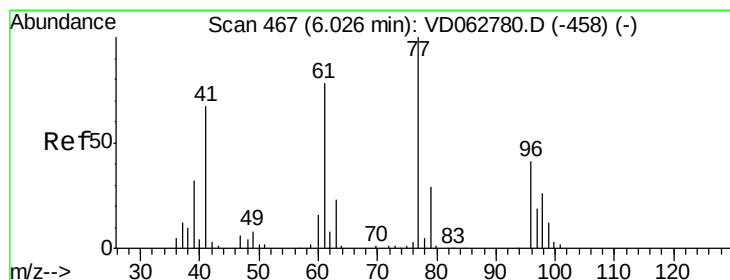
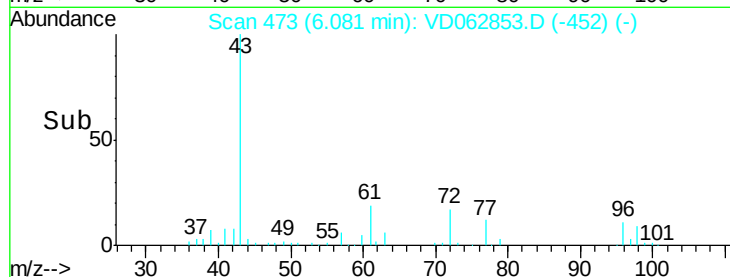
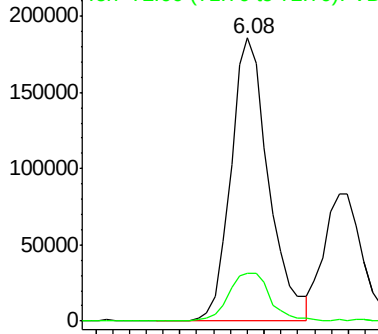
MMDadoda

6/25/2019 9:59:56 AM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 48.461 ug/l

RT: 6.03 min Scan# 468

Delta R.T. 0.01 min

Lab File: VD062853.D

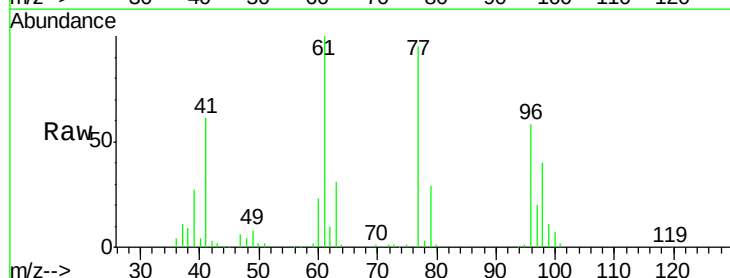
Acq: 24 Jun 2019 21:04

Tgt Ion: 77 Resp: 698060

Ion Ratio Lower Upper

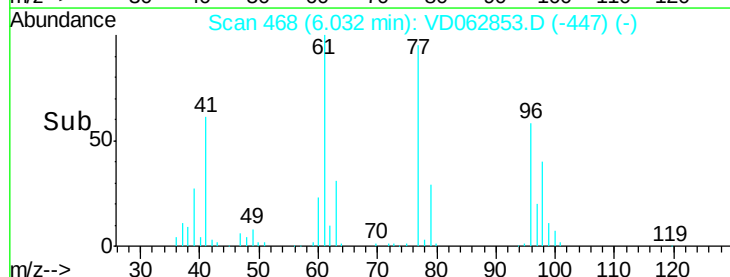
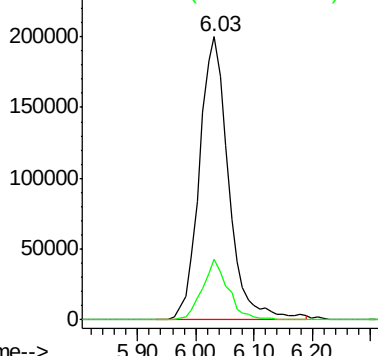
77 100

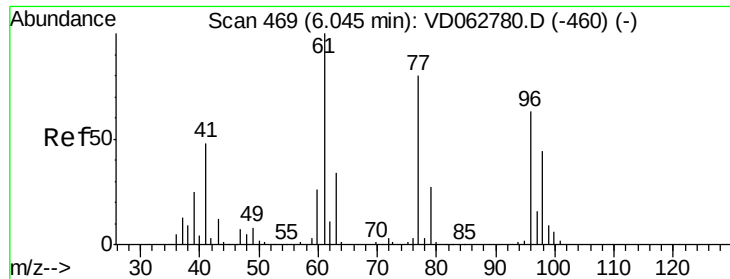
97 21.4 9.5 28.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





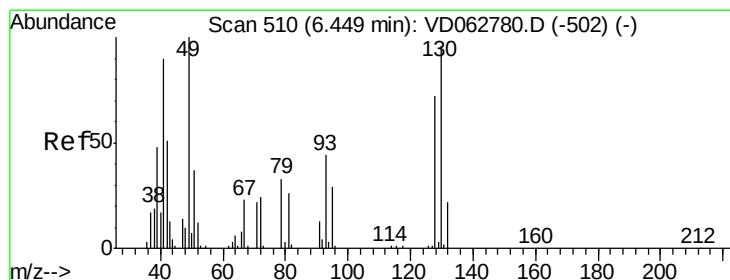
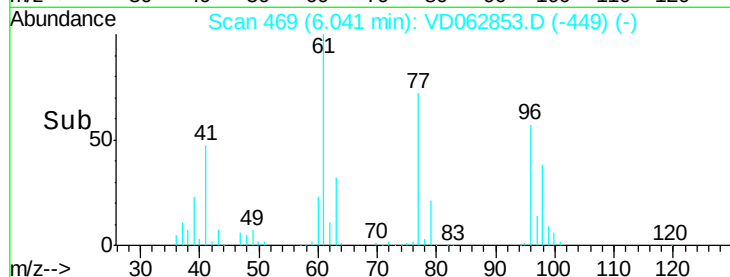
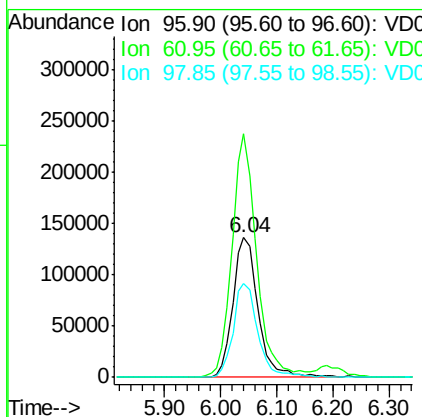
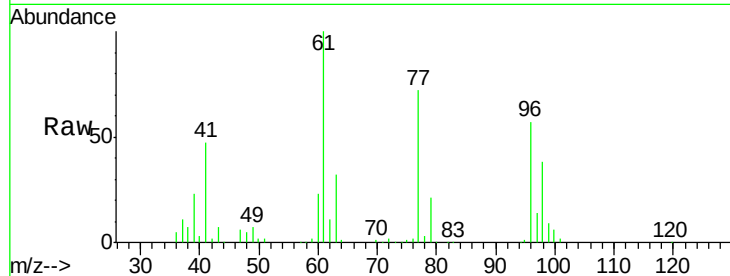
#27
 cis-1,2-Dichloroethene
 Concen: 54.264 ug/l
 RT: 6.04 min Scan# 469
 Delta R.T. -0.00 min
 Lab File: VD062853.D
 Acq: 24 Jun 2019 21:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	174.5	0.0	316.0
98	66.9	0.0	138.4

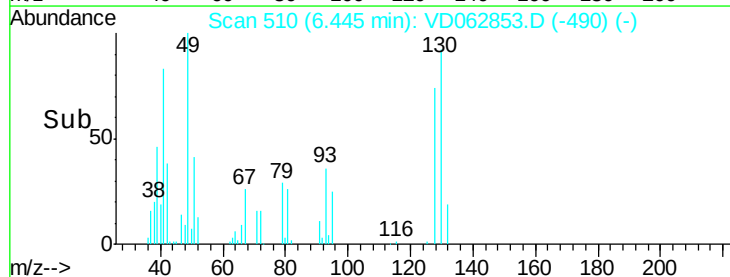
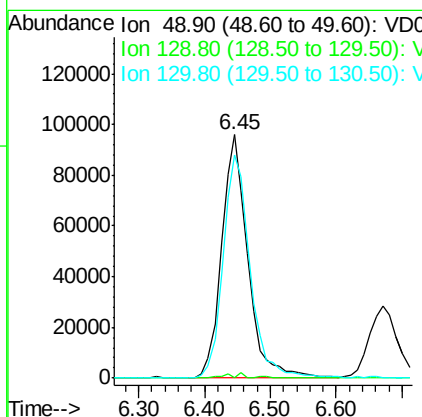
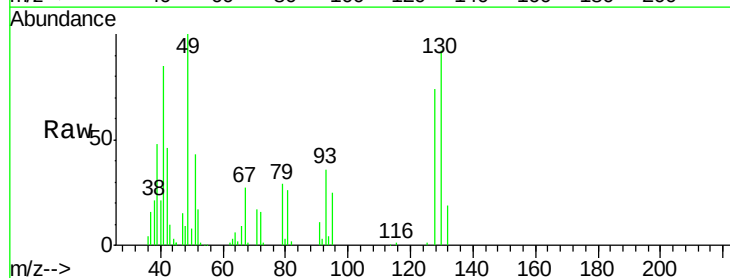
Manual Integrations
 APPROVED

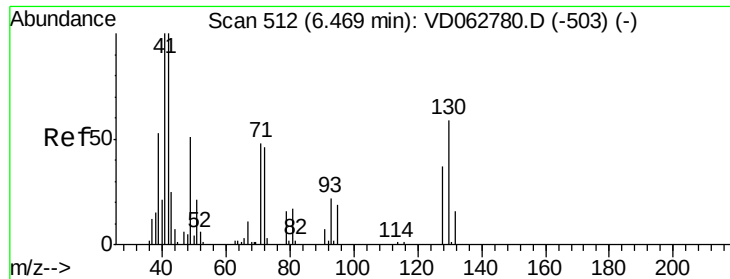
MMDadoda
 6/25/2019 9:59:56 AM



#28
 Bromochloromethane
 Concen: 55.601 ug/l
 RT: 6.45 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VD062853.D
 Acq: 24 Jun 2019 21:04

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	5.6
130	91.8	76.6	114.8





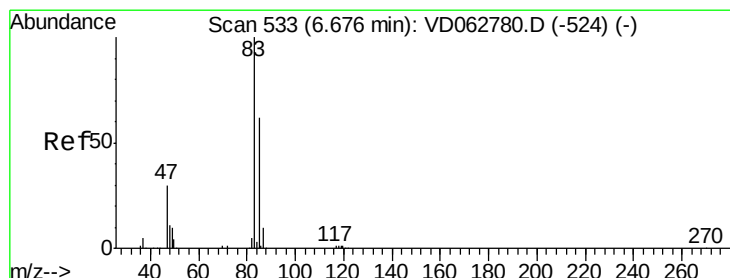
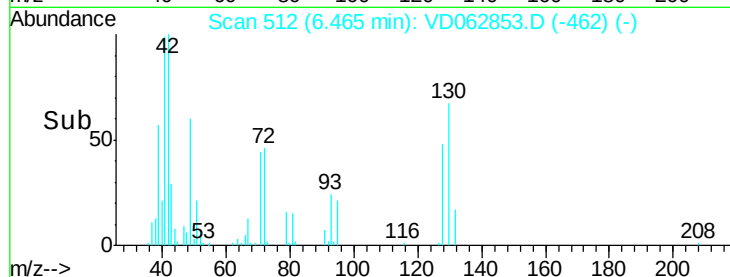
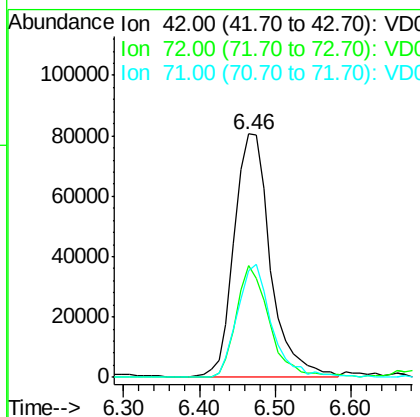
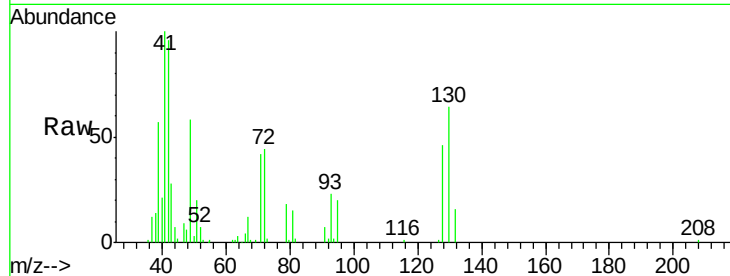
#29
Tetrahydrofuran
Concen: 318.731 ug/l
RT: 6.46 min Scan# 512
Delta R.T. -0.00 min
Lab File: VD062853.D
Acq: 24 Jun 2019 21:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.1	35.0	52.6
71	44.0	33.3	49.9

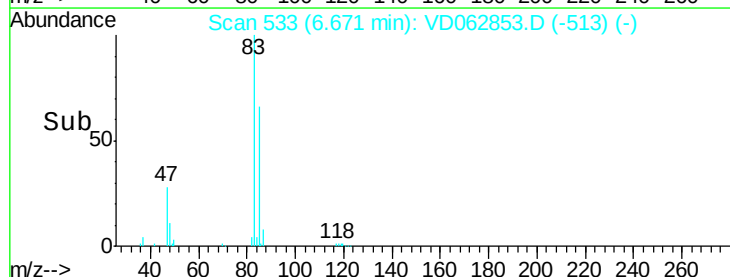
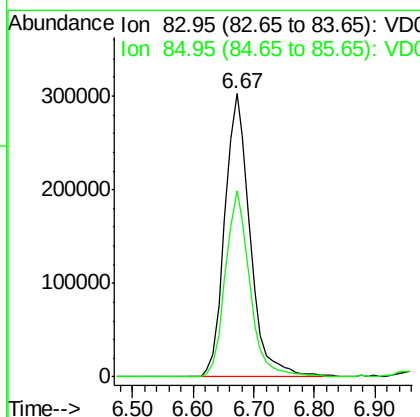
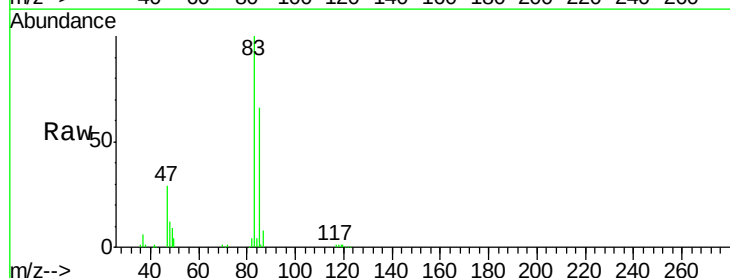
Manual Integrations
APPROVED

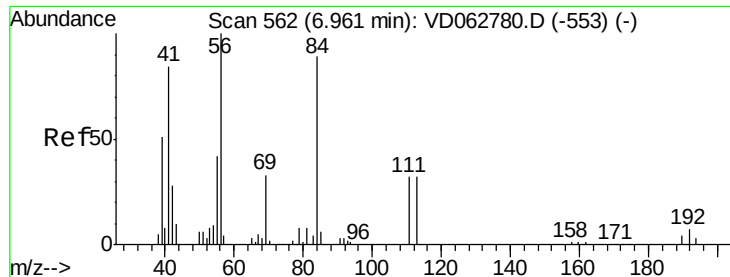
MMDadoda
6/25/2019 9:59:56 AM



#30
Chloroform
Concen: 53.152 ug/l
RT: 6.67 min Scan# 533
Delta R.T. -0.00 min
Lab File: VD062853.D
Acq: 24 Jun 2019 21:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	49.8	74.6





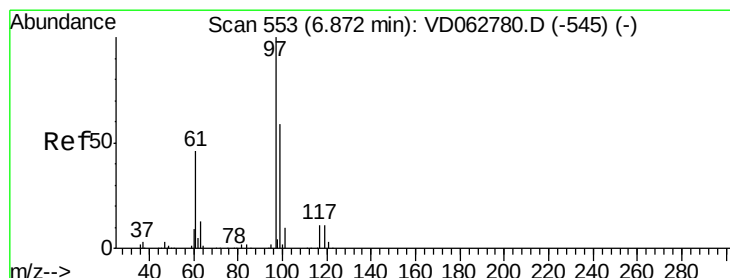
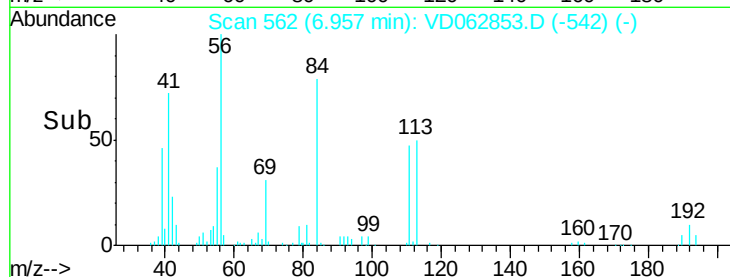
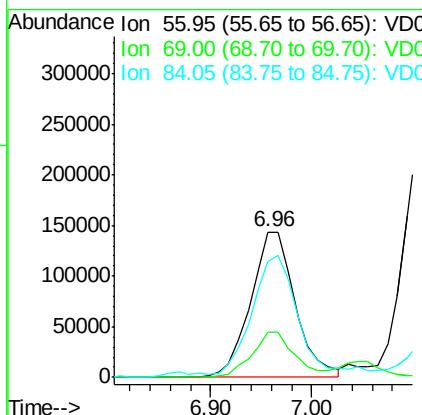
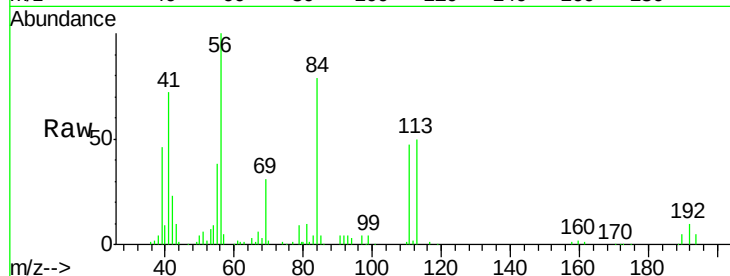
#31
Cyclohexane
Concen: 49.331 ug/l
RT: 6.96 min Scan# 562
Delta R.T. -0.00 min
Lab File: VD062853.D
Acq: 24 Jun 2019 21:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.0	26.6	39.8
84	79.5	75.5	113.3

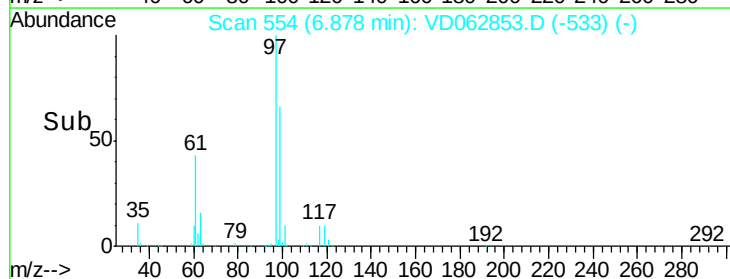
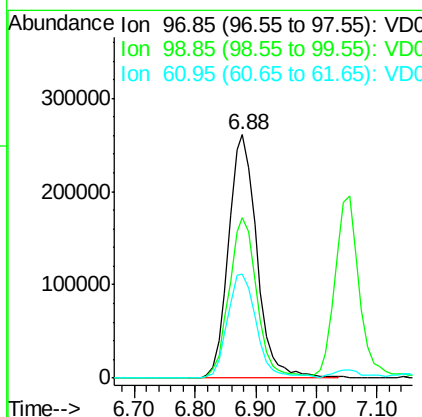
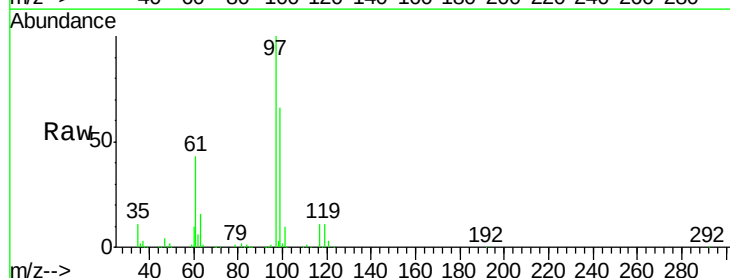
Manual Integrations
APPROVED

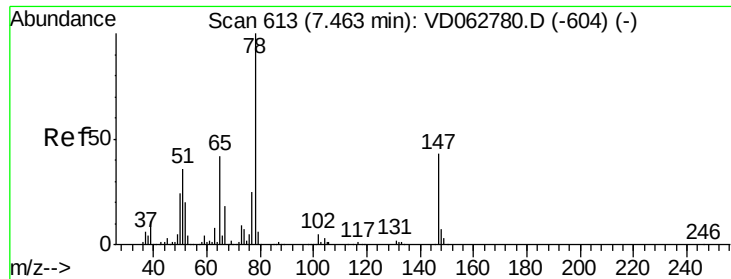
MMDadoda
6/25/2019 9:59:56 AM



#32
1,1,1-Trichloroethane
Concen: 49.168 ug/l
RT: 6.88 min Scan# 554
Delta R.T. 0.01 min
Lab File: VD062853.D
Acq: 24 Jun 2019 21:04

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.8	47.4	71.2
61	42.7	37.2	55.8





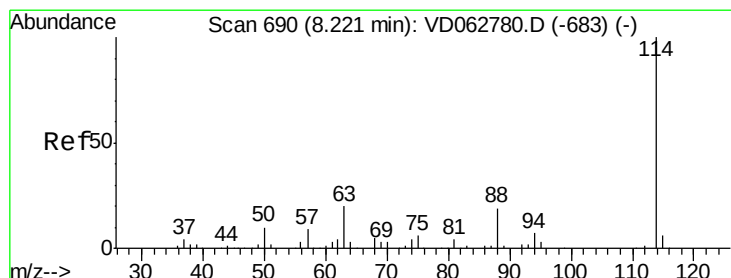
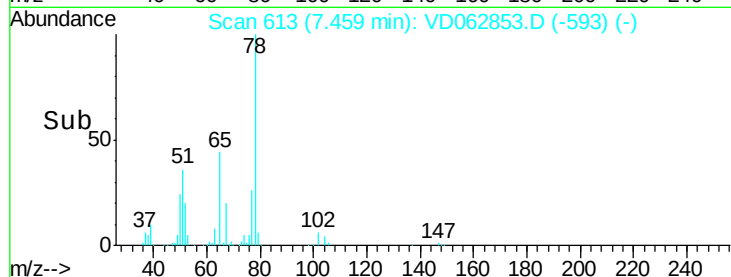
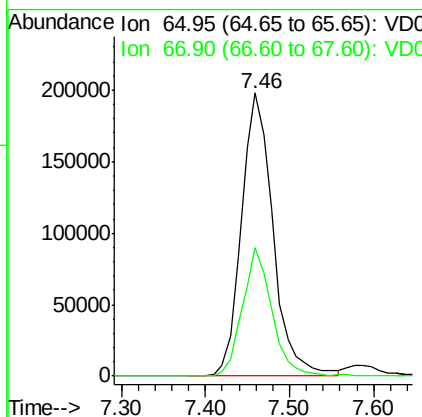
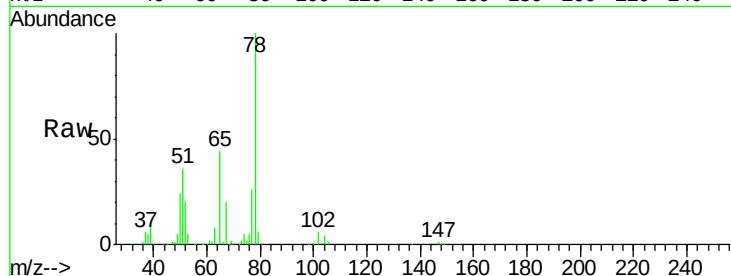
#33
 1,2-Dichloroethane-d4
 Concen: 54.659 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: VD062853.D
 Acq: 24 Jun 2019 21:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 65 Resp: 520012
 Ion Ratio Lower Upper
 65 100
 67 45.2 0.0 87.4

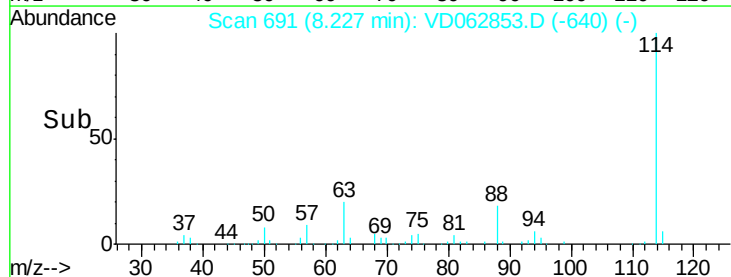
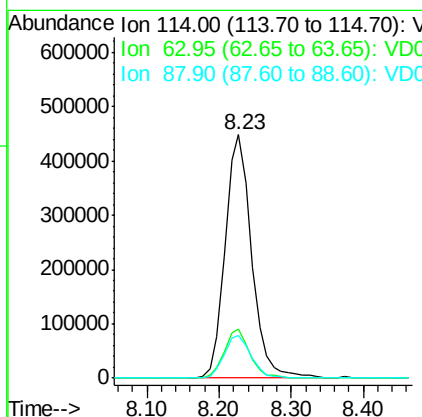
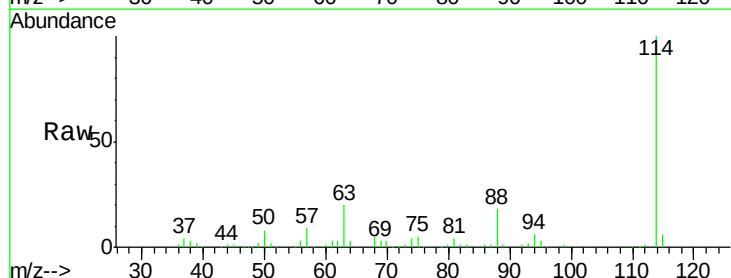
Manual Integrations
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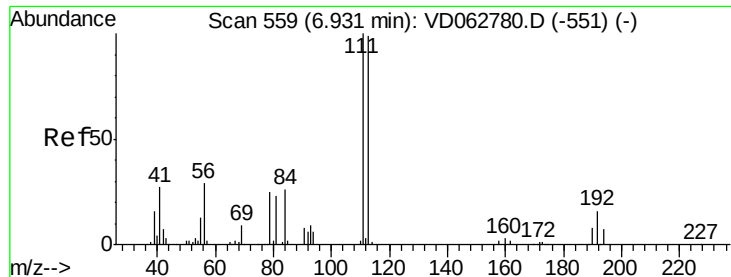
MMDadoda
 6/25/2019 9:59:56 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.01 min
 Lab File: VD062853.D
 Acq: 24 Jun 2019 21:04

Tgt Ion: 114 Resp: 1143248
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 40.0
 88 17.7 0.0 38.8





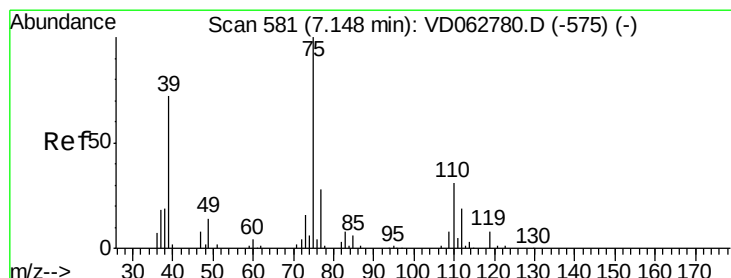
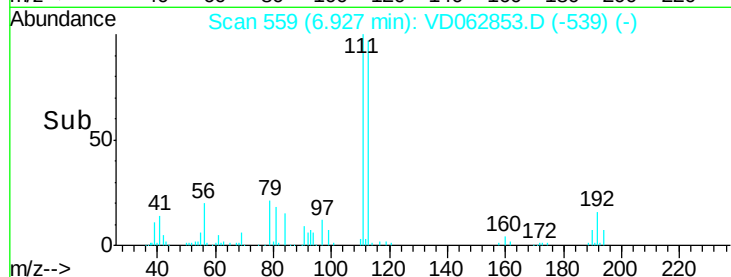
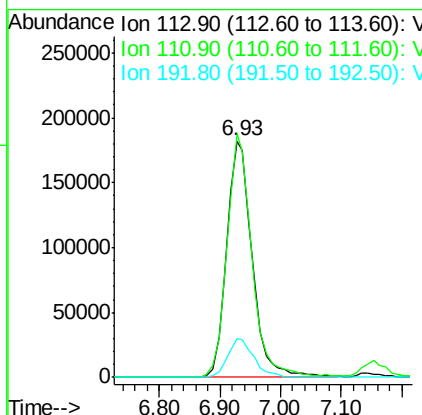
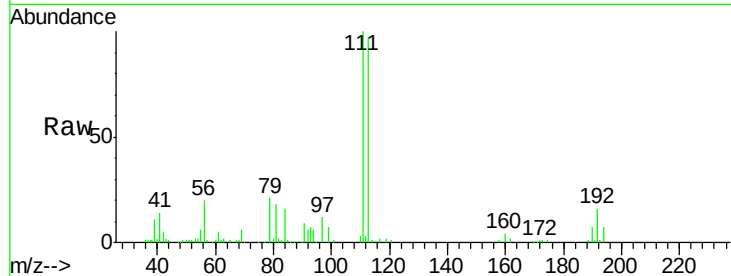
#35
 Dibromofluoromethane
 Concen: 55.279 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. -0.00 min
 Lab File: VD062853.D
 Acq: 24 Jun 2019 21:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	532877		
111	103.1	81.2	121.8	
192	16.2	12.9	19.3	

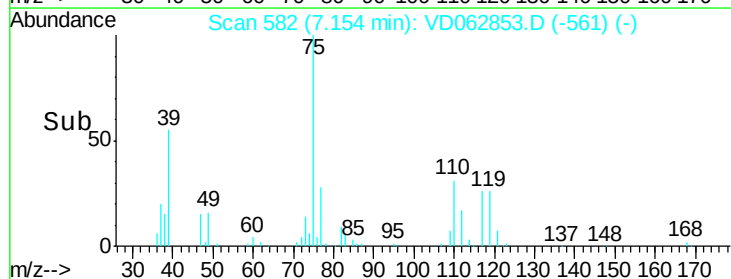
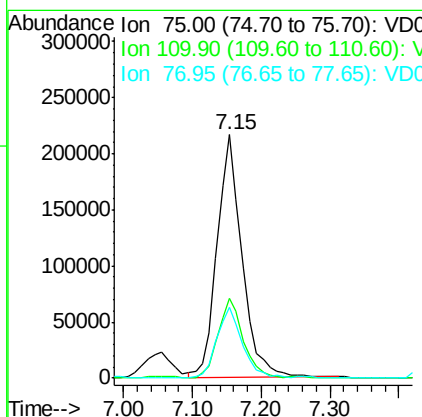
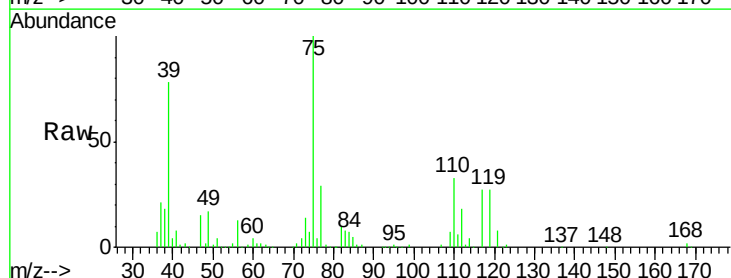
Manual Integrations
 APPROVED

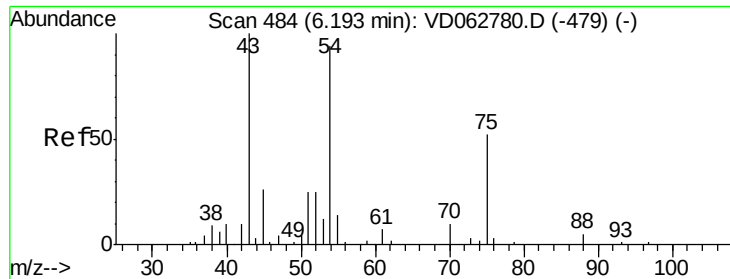
MMDadoda
 6/25/2019 9:59:56 AM



#36
 1,1-Dichloropropene
 Concen: 50.192 ug/l
 RT: 7.15 min Scan# 582
 Delta R.T. 0.01 min
 Lab File: VD062853.D
 Acq: 24 Jun 2019 21:04

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	543200		
110	32.6	15.0	45.1	
77	29.0	22.2	33.2	





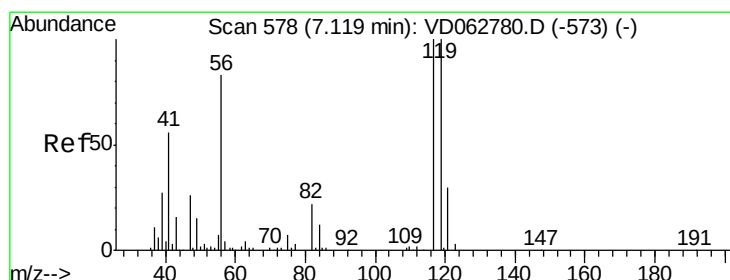
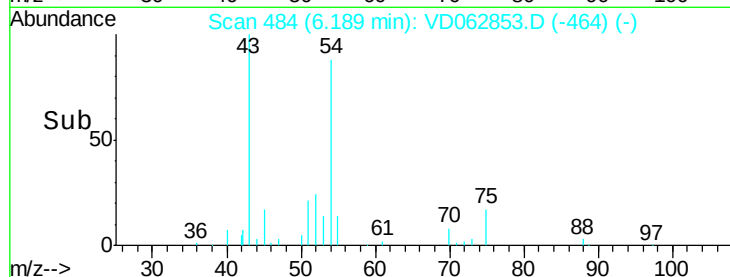
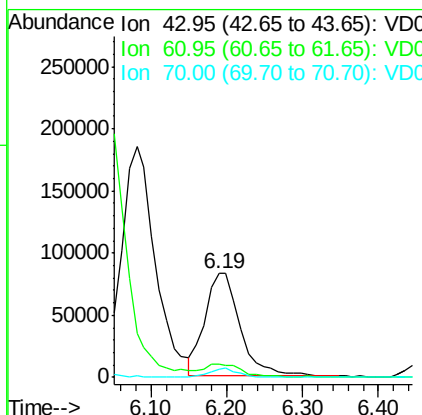
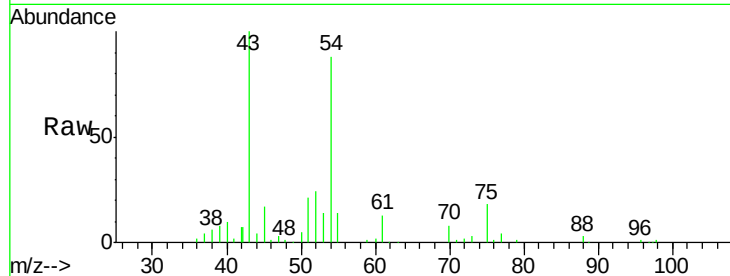
#37
Ethyl Acetate
Concen: 59.561 ug/l
RT: 6.19 min Scan# 484
Delta R.T. -0.00 min
Lab File: VD062853.D
Acq: 24 Jun 2019 21:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	11.6	17.4
70	7.7	6.4	9.6

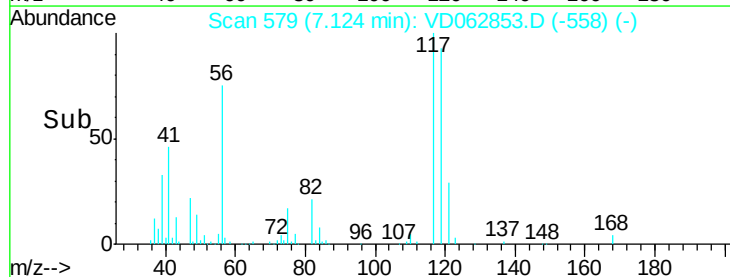
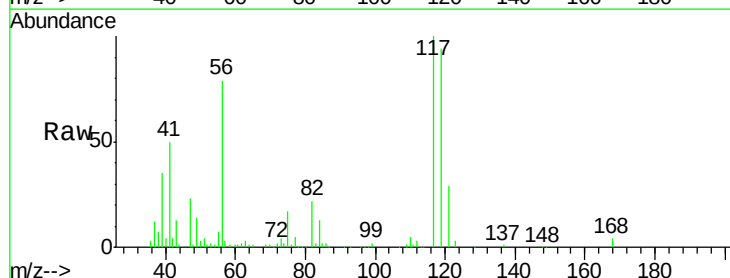
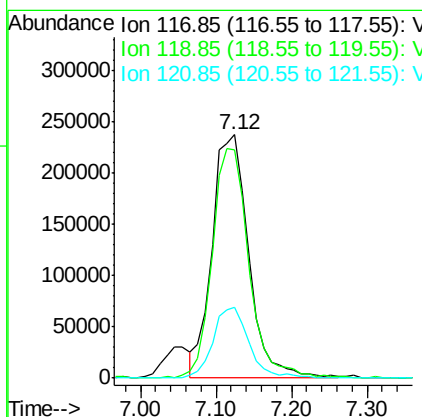
Manual Integrations
APPROVED

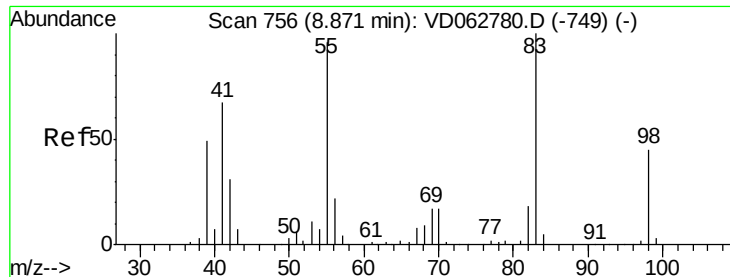
MMDadoda
6/25/2019 9:59:56 AM



#38
Carbon Tetrachloride
Concen: 49.381 ug/l m
RT: 7.12 min Scan# 579
Delta R.T. 0.01 min
Lab File: VD062853.D
Acq: 24 Jun 2019 21:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.9	75.4	113.2
121	29.2	22.3	33.5





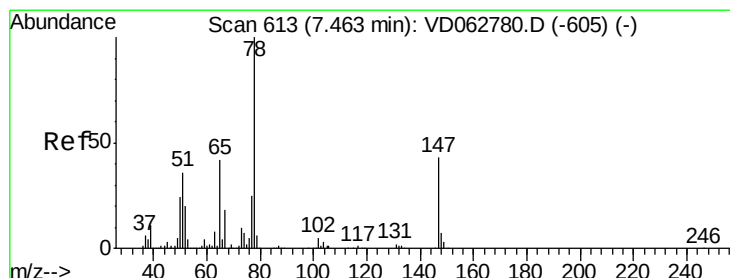
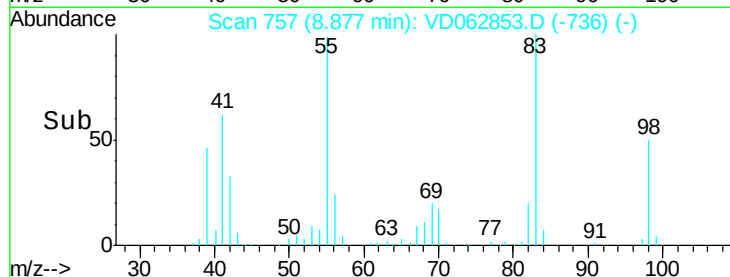
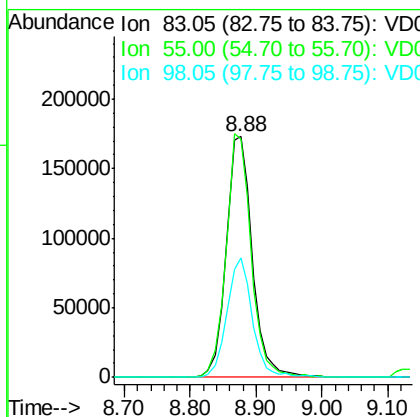
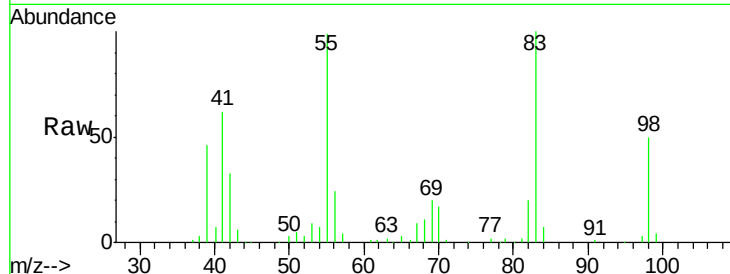
#39
Methylvlcyclohexane
Concen: 50.477 ug/l
RT: 8.88 min Scan# 757
Delta R.T. 0.01 min
Lab File: VD062853.D
Acq: 24 Jun 2019 21:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	480859
Ion Ratio	100	Lower	Upper
83	100		
55	99.3	76.6	115.0
98	49.6	35.7	53.5

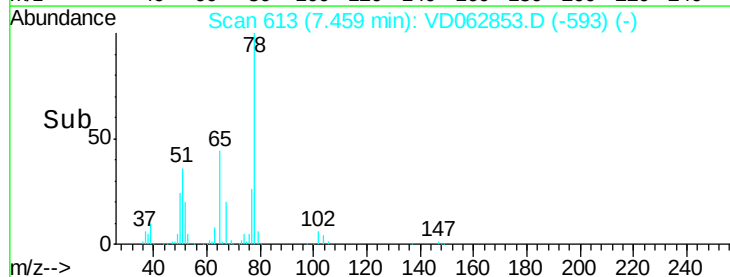
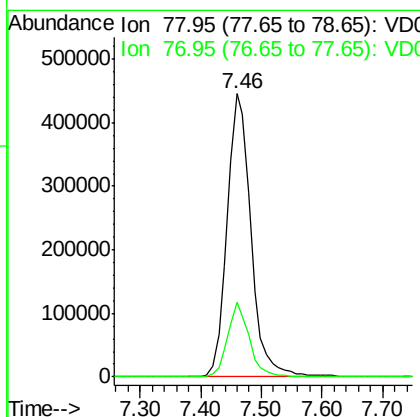
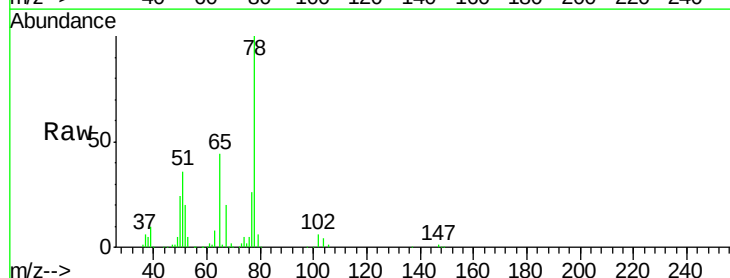
Manual Integrations
APPROVED

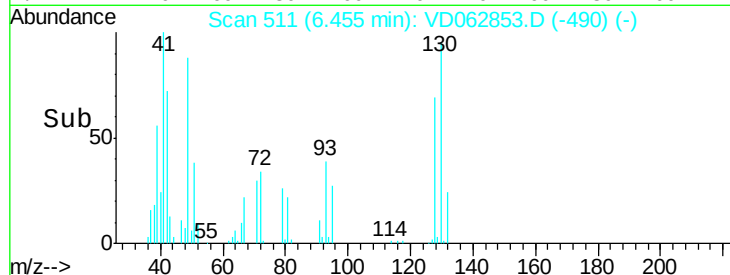
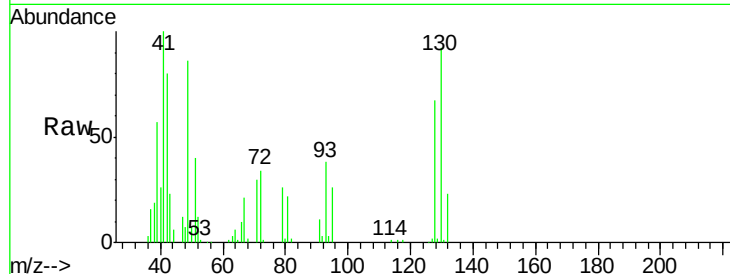
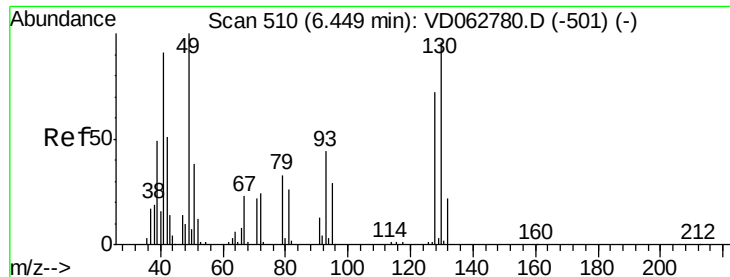
MMDadoda
6/25/2019 9:59:56 AM



#40
Benzene
Concen: 56.077 ug/l
RT: 7.46 min Scan# 613
Delta R.T. -0.00 min
Lab File: VD062853.D
Acq: 24 Jun 2019 21:04

Tgt Ion	78	Resp	1218217
Ion Ratio	100	Lower	Upper
78	100		
77	26.5	20.2	30.2





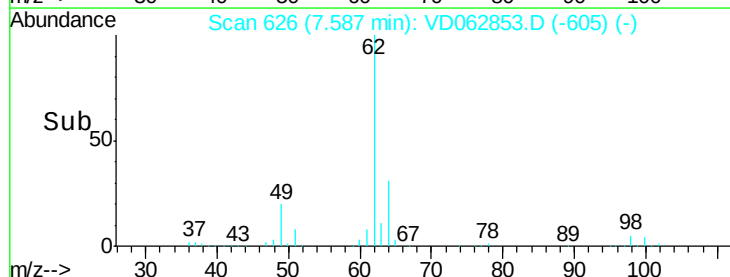
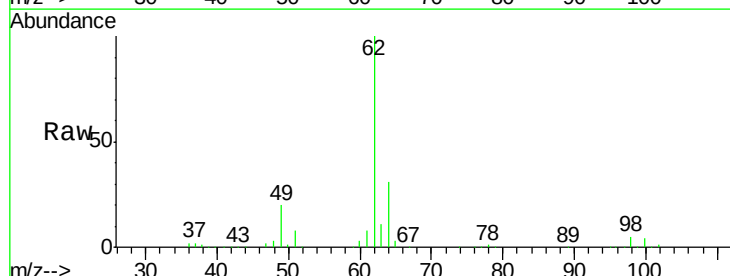
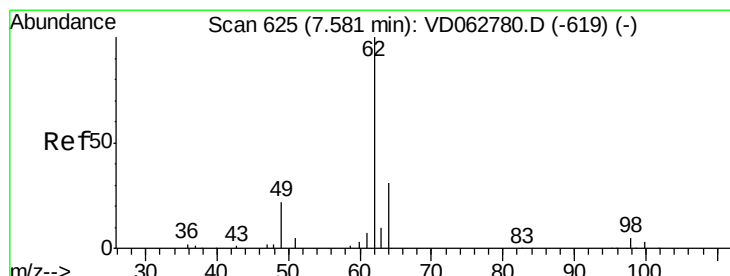
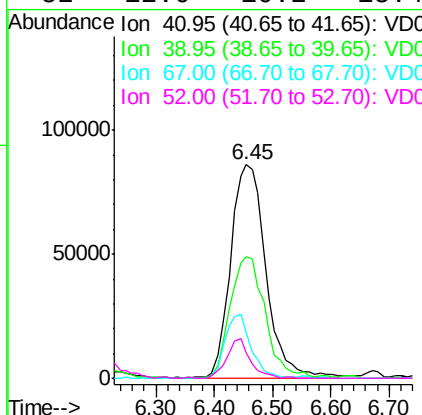
#41
Methacrylonitrile
Concen: 63.588 ug/l
RT: 6.45 min Scan# 511
Delta R.T. 0.01 min
Lab File: VD062853.D
Acq: 24 Jun 2019 21:04

Tot Ion	Ratio	Lower	Upper
41	100		
39	57.2	43.2	64.8
67	21.5	19.9	29.9
52	12.0	10.2	15.4

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

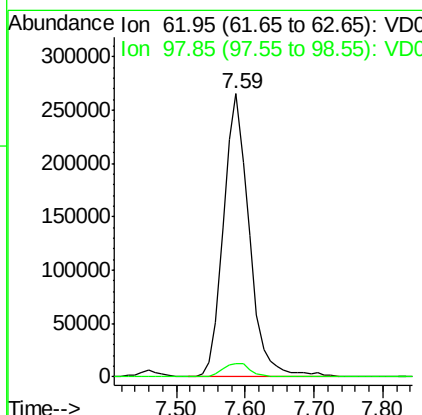
Manual Integrations
APPROVED

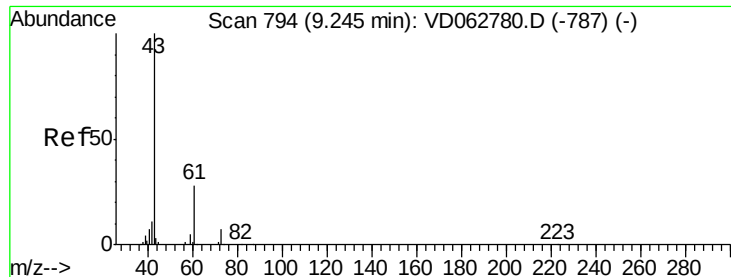
MMDadoda
6/25/2019 9:59:56 AM



#42
1,2-Dichloroethane
Concen: 58.247 ug/l
RT: 7.59 min Scan# 626
Delta R.T. 0.01 min
Lab File: VD062853.D
Acq: 24 Jun 2019 21:04

Tgt Ion	Ratio	Lower	Upper
62	100		
98	4.6	0.0	10.0





#43

Isopropyl Acetate

Concen: 67.906 ug/l

RT: 9.25 min Scan# 795

Delta R.T. 0.01 min

Lab File: VD062853.D

Acq: 24 Jun 2019 21:04

Instrument :

MSVOA_D

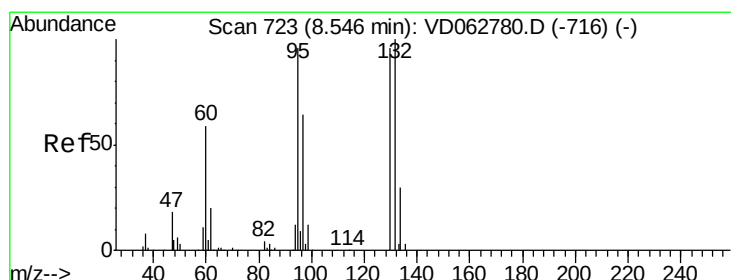
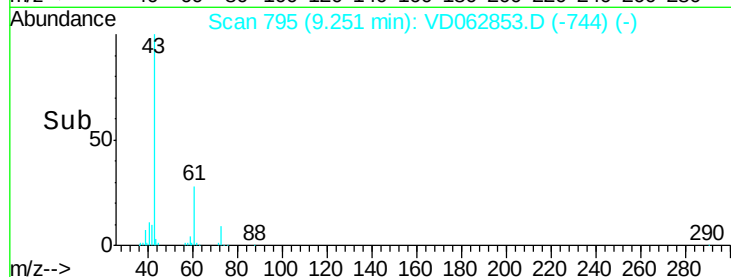
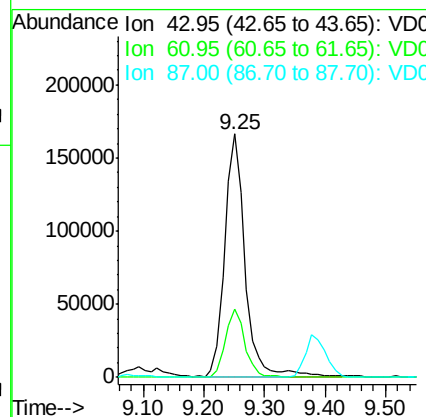
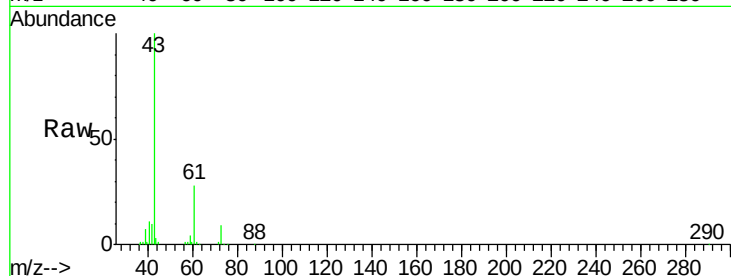
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	385289
Ion	Ratio	Lower	Upper
43	100		
61	28.0	22.4	33.6
87	0.0	0.3	0.5#

Manual Integrations
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6/25/2019 9:59:56 AM



#44

Trichloroethene

Concen: 52.043 ug/l

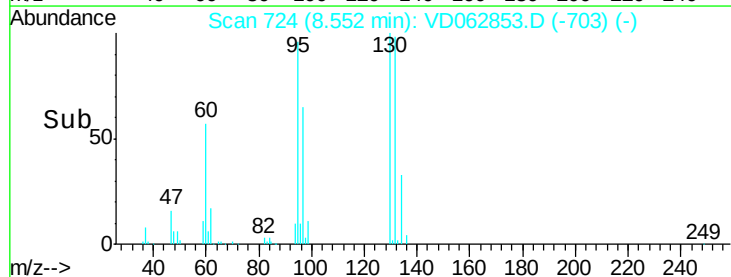
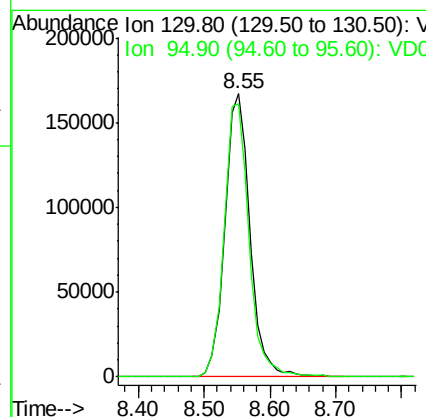
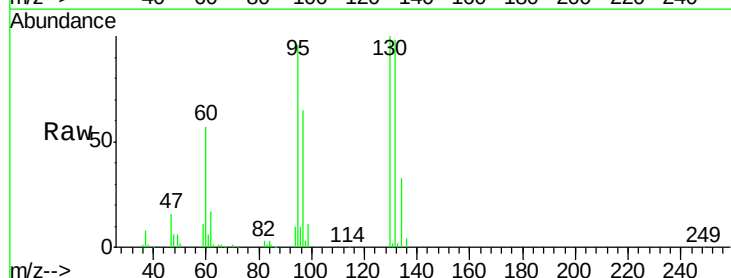
RT: 8.55 min Scan# 724

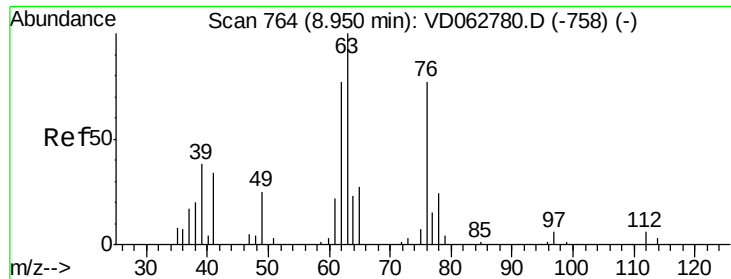
Delta R.T. 0.01 min

Lab File: VD062853.D

Acq: 24 Jun 2019 21:04

Tgt Ion:	130	Resp:	443237
Ion	Ratio	Lower	Upper
130	100		
95	96.4	0.0	201.6





#45

1,2-Dichloropropane

Concen: 55.254 ug/l

RT: 8.95 min Scan# 764

Delta R.T. -0.00 min

Lab File: VD062853.D

Acq: 24 Jun 2019 21:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 298471

Ion Ratio Lower Upper

63 100

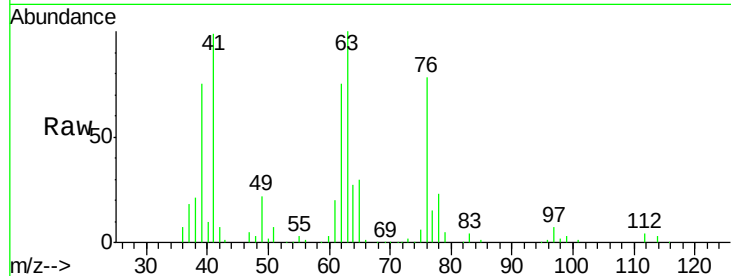
65 30.1 24.2 36.2

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Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

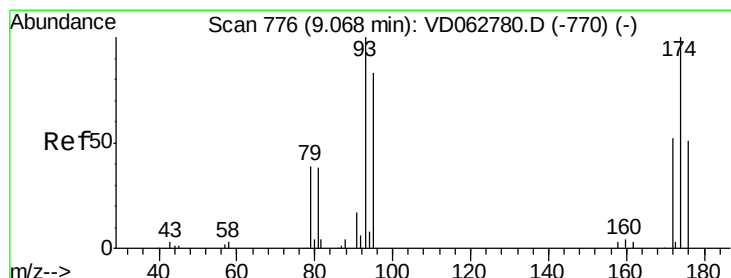
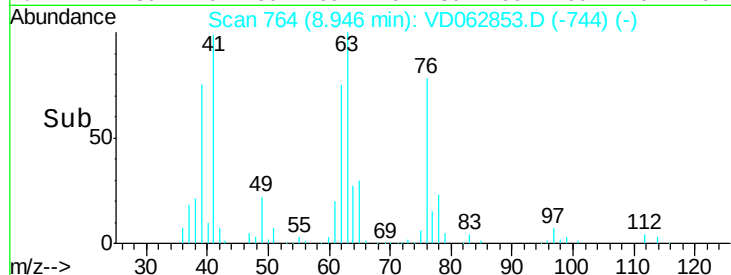
8.95

100000

50000

0

Time--> 8.80 8.90 9.00 9.10



#46

Dibromomethane

Concen: 55.102 ug/l

RT: 9.07 min Scan# 777

Delta R.T. 0.01 min

Lab File: VD062853.D

Acq: 24 Jun 2019 21:04

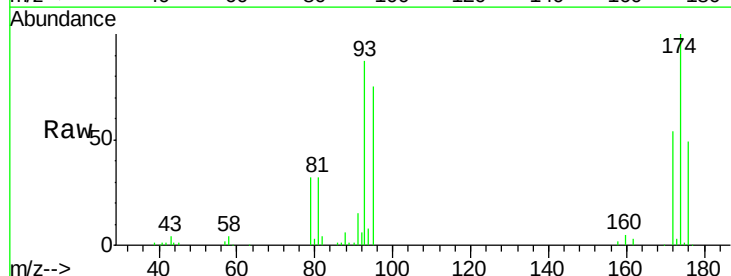
Tgt Ion: 93 Resp: 255687

Ion Ratio Lower Upper

93 100

95 86.8 66.6 100.0

174 115.3 79.7 119.5



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

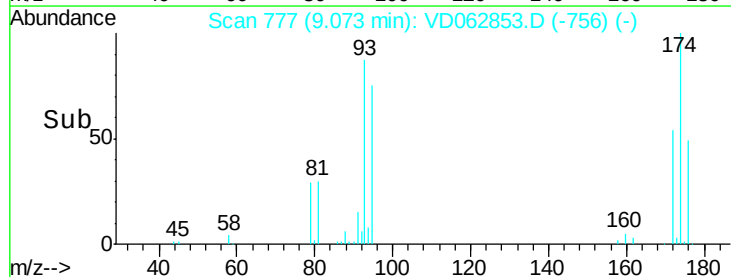
150000

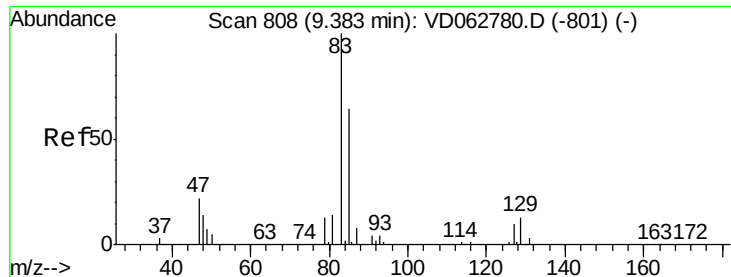
100000

50000

0

Time--> 9.00 9.10 9.20





#47

Bromodichloromethane

Concen: 55.577 ug/l

RT: 9.38 min Scan# 808

Delta R.T. -0.00 min

Lab File: VD062853.D

Acq: 24 Jun 2019 21:04

Instrument :

MSVOA_D

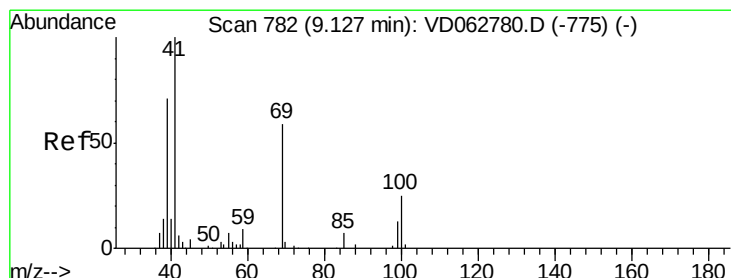
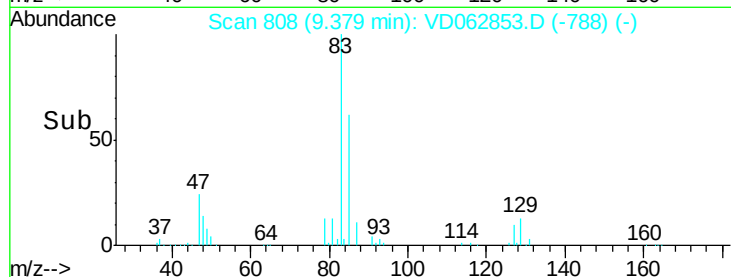
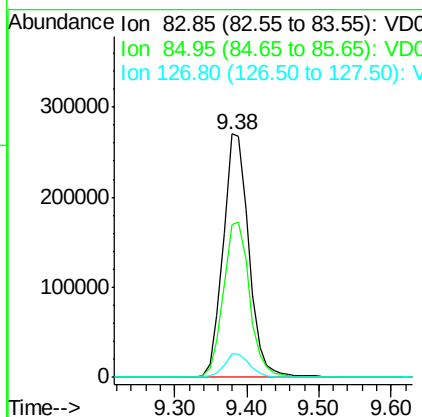
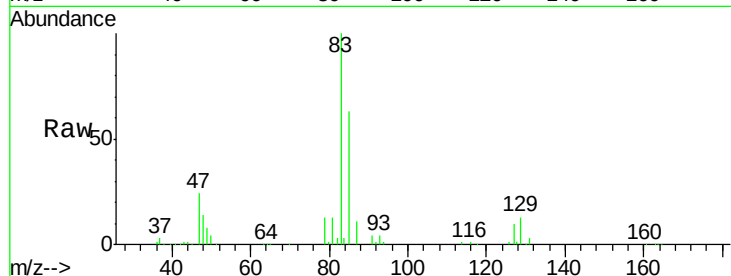
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	669762
Ion	Ratio	Lower	Upper
83	100		
85	62.5	51.6	77.4
127	9.6	7.8	11.6

Manual Integrations
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6/25/2019 9:59:56 AM



#48

Methyl methacrylate

Concen: 62.108 ug/l

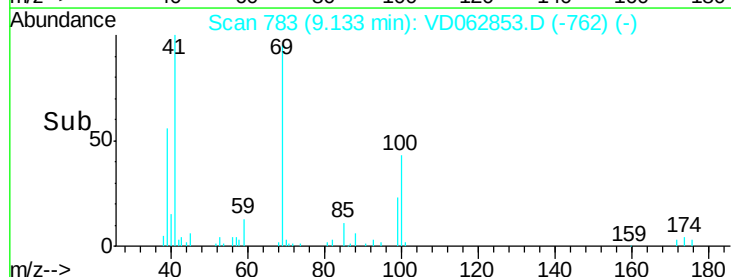
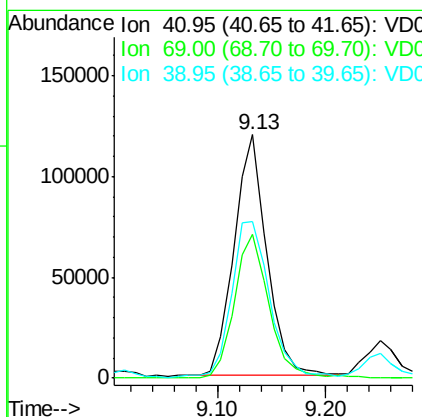
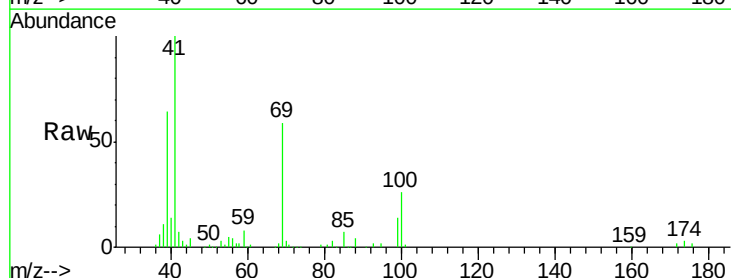
RT: 9.13 min Scan# 783

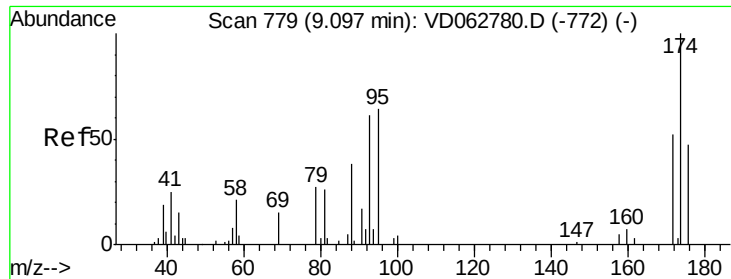
Delta R.T. 0.01 min

Lab File: VD062853.D

Acq: 24 Jun 2019 21:04

Tgt Ion:	41	Resp:	250421
Ion	Ratio	Lower	Upper
41	100		
69	59.1	47.2	70.8
39	64.4	57.4	86.2





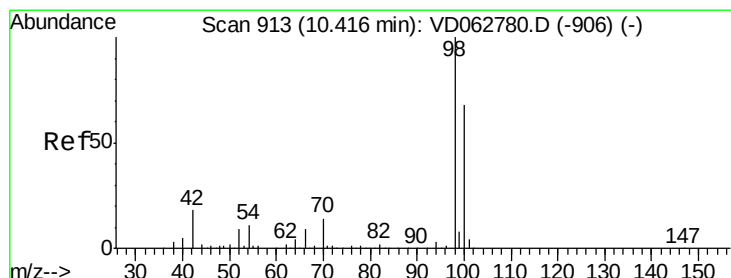
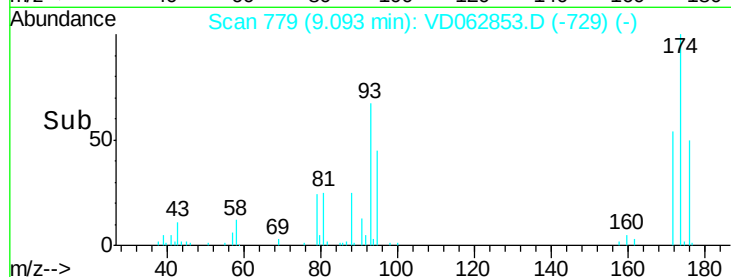
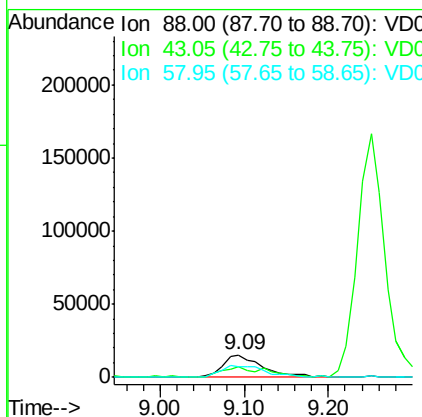
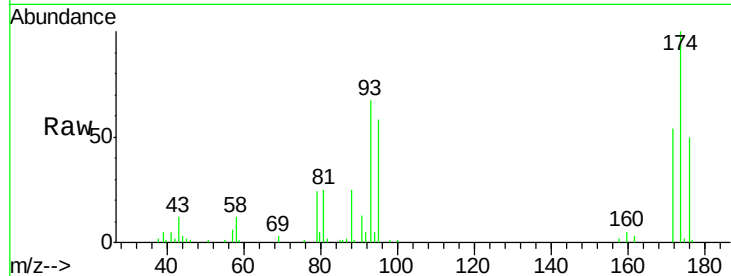
#49
1,4-Dioxane
Concen: 1469.432 ug/l
RT: 9.09 min Scan# 779
Delta R.T. -0.00 min
Lab File: VD062853.D
Acq: 24 Jun 2019 21:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	49292
Ion	Ratio	Lower	Upper
88	100		
43	46.8	32.1	48.1
58	49.0	44.1	66.1

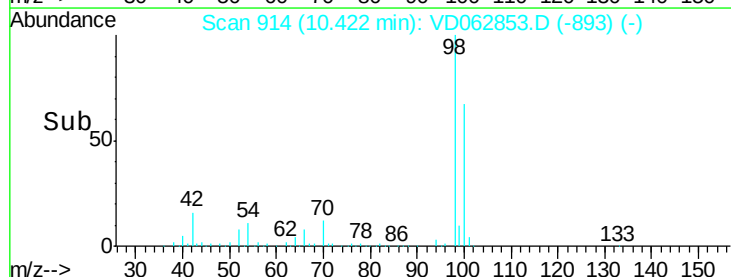
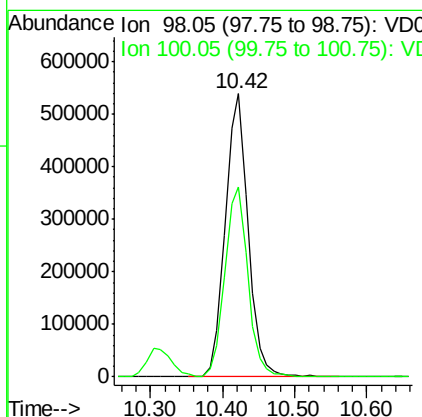
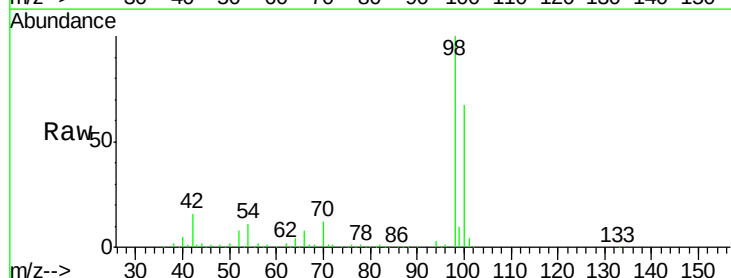
Manual Integrations
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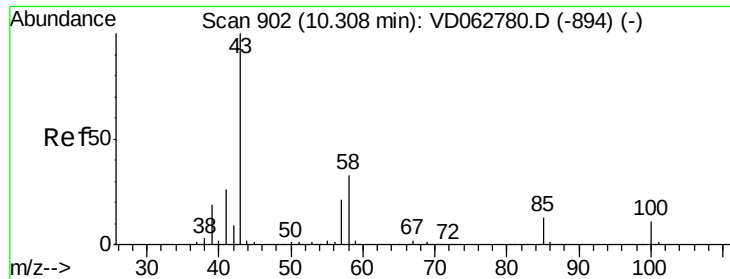
MMDadoda
6/25/2019 9:59:56 AM



#50
Toluene-d8
Concen: 56.470 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.01 min
Lab File: VD062853.D
Acq: 24 Jun 2019 21:04

Tgt Ion	98	Resp	1184787
Ion	Ratio	Lower	Upper
98	100		
100	67.2	54.7	82.1





#51

4-Methyl-2-Pentanone

Concen: 317.998 ug/l

RT: 10.31 min Scan# 903

Delta R.T. 0.01 min

Lab File: VD062853.D

Acq: 24 Jun 2019 21:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1279219

Ion Ratio Lower Upper

43 100

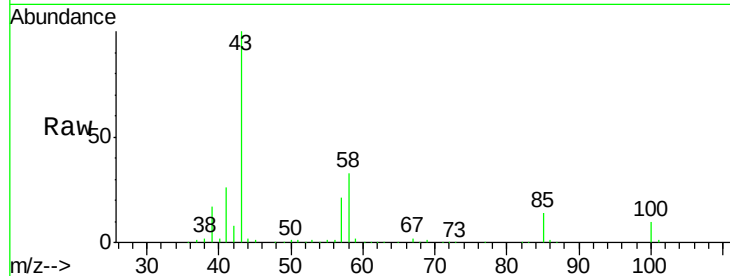
58 33.3 26.6 40.0

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.31

600000

500000

400000

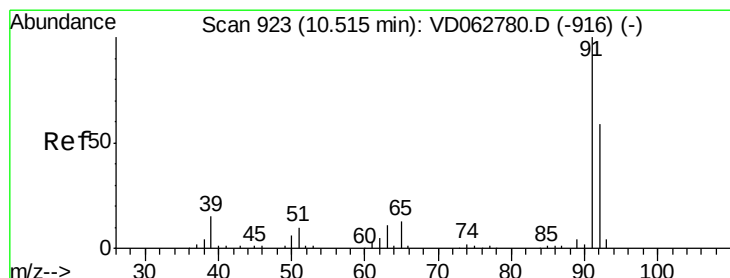
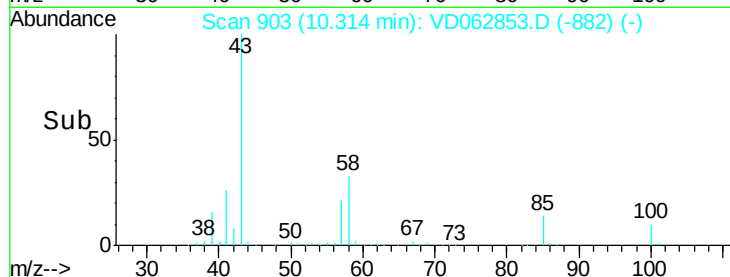
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 55.241 ug/l

RT: 10.52 min Scan# 924

Delta R.T. 0.01 min

Lab File: VD062853.D

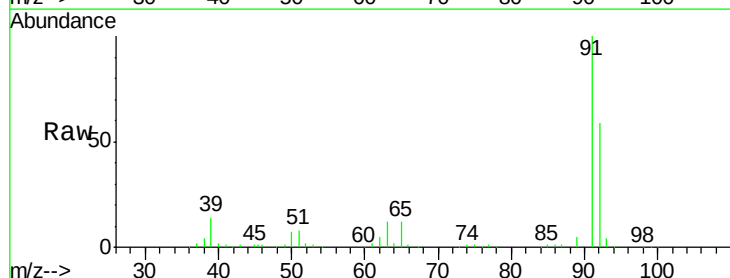
Acq: 24 Jun 2019 21:04

Tgt Ion: 92 Resp: 806678

Ion Ratio Lower Upper

92 100

91 169.3 136.3 204.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.52

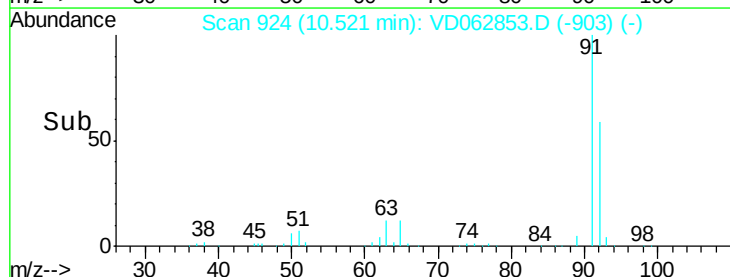
600000

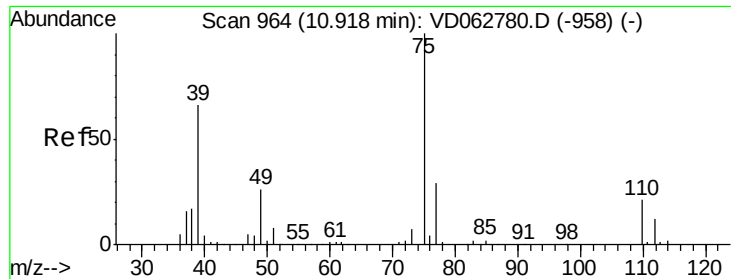
400000

200000

0

Time-->





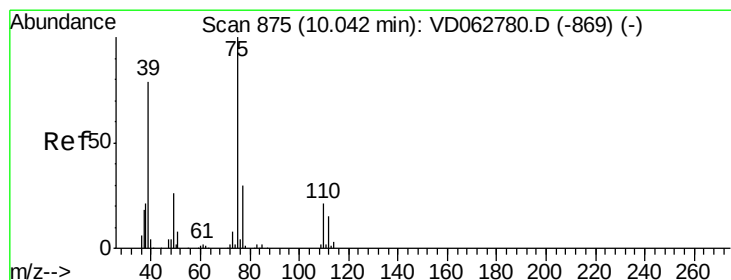
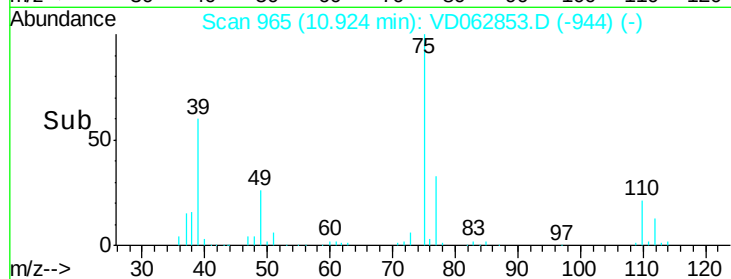
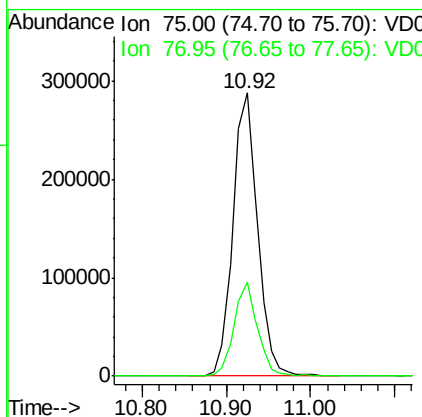
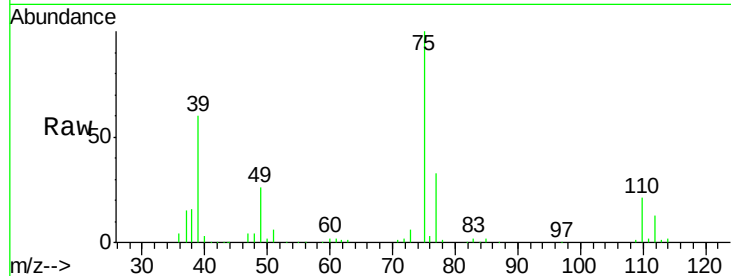
#53
 t-1,3-Dichloropropene
 Concen: 59.475 ug/l
 RT: 10.92 min Scan# 965
 Delta R.T. 0.01 min
 Lab File: VD062853.D
 Acq: 24 Jun 2019 21:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.2	23.2	34.8

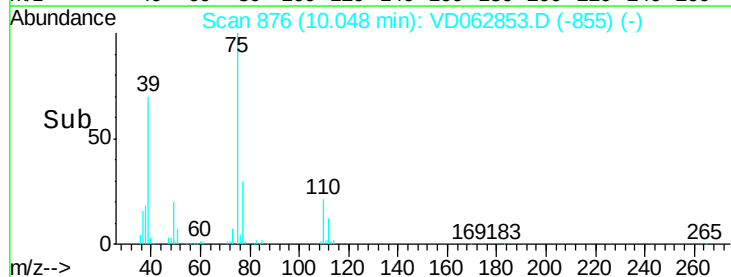
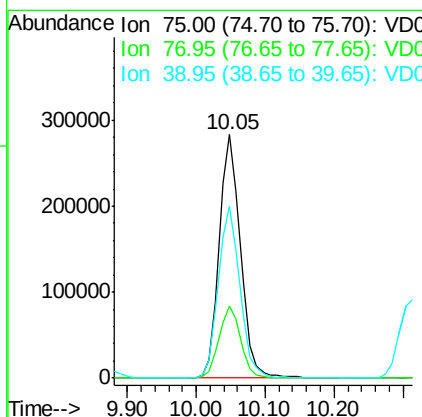
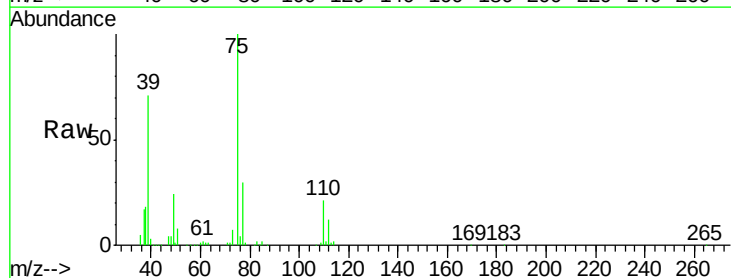
Manual Integrations
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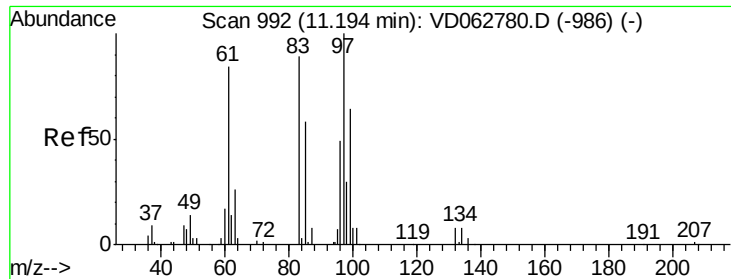
MMDadoda
 6/25/2019 9:59:56 AM



#54
 cis-1,3-Dichloropropene
 Concen: 56.430 ug/l
 RT: 10.05 min Scan# 876
 Delta R.T. 0.01 min
 Lab File: VD062853.D
 Acq: 24 Jun 2019 21:04

Tgt Ion	Ratio	Lower	Upper
75	100		
77	29.7	24.2	36.2
39	70.7	63.5	95.3





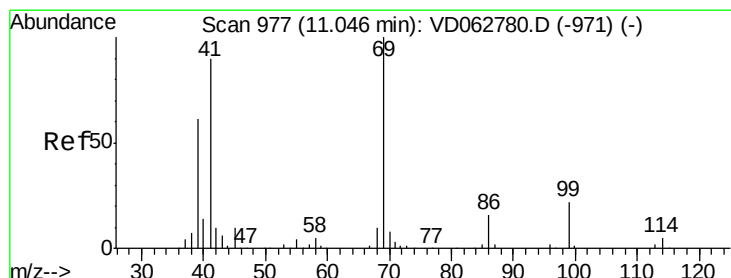
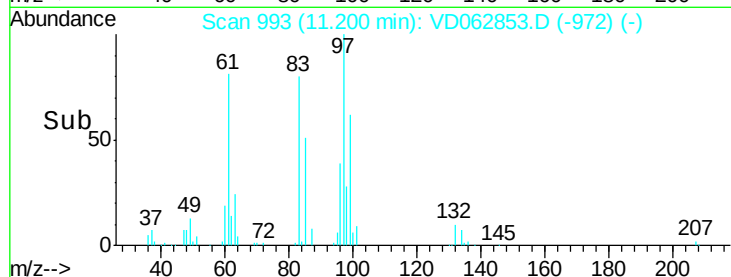
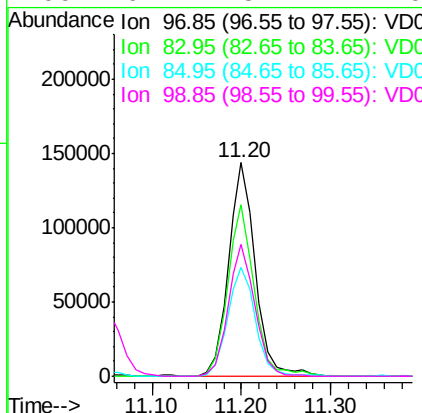
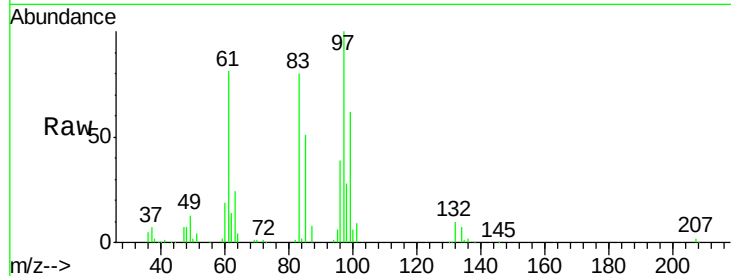
#55
 1,1,2-Trichloroethane
 Concen: 60.415 ug/l
 RT: 11.20 min Scan# 993
 Delta R.T. 0.01 min
 Lab File: VD062853.D
 Acq: 24 Jun 2019 21:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	303105
Ion	Ratio	Lower	Upper
97	100		
83	80.3	71.0	106.4
85	50.7	46.6	69.8
99	61.7	51.4	77.0

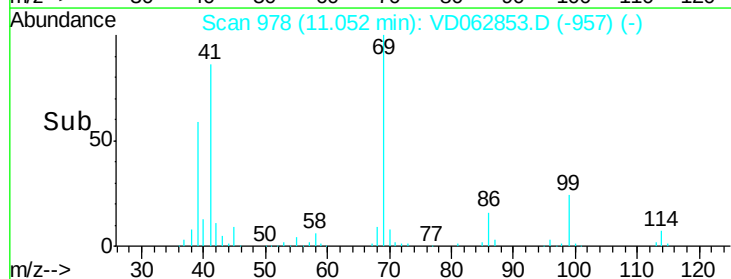
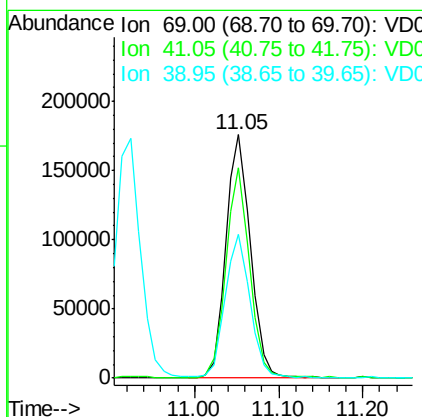
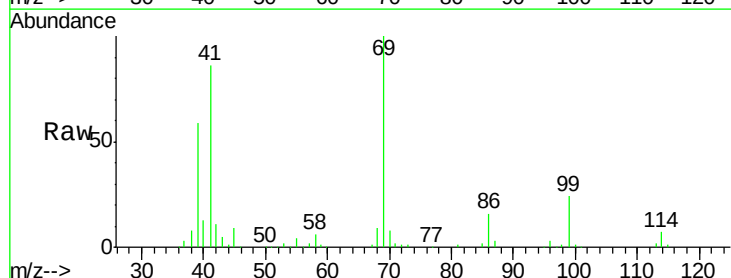
Manual Integrations
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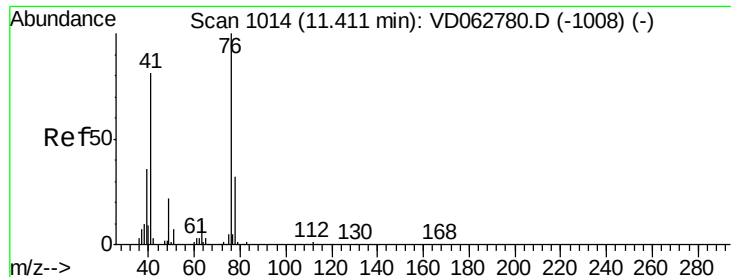
MMDadoda
 6/25/2019 9:59:56 AM



#56
 Ethyl methacrylate
 Concen: 66.578 ug/l
 RT: 11.05 min Scan# 978
 Delta R.T. 0.01 min
 Lab File: VD062853.D
 Acq: 24 Jun 2019 21:04

Tgt Ion:	69	Resp:	356965
Ion	Ratio	Lower	Upper
69	100		
41	86.4	72.0	108.0
39	59.3	49.5	74.3





#57

1,3-Dichloropropane

Concen: 56.027 ug/l

RT: 11.42 min Scan# 1015

Delta R.T. 0.01 min

Lab File: VD062853.D

Acq: 24 Jun 2019 21:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 430394

Ion Ratio Lower Upper

76 100

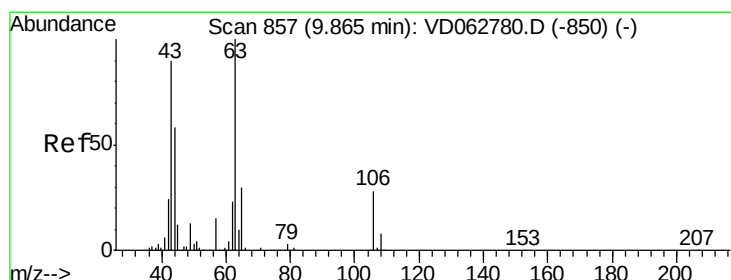
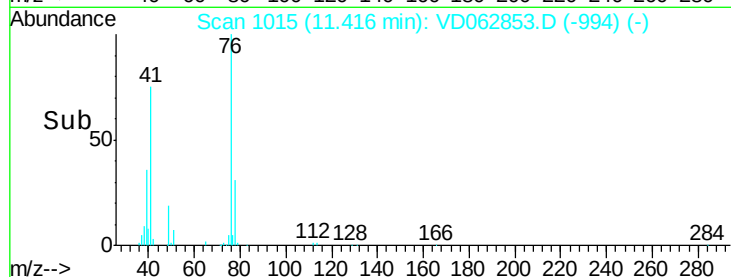
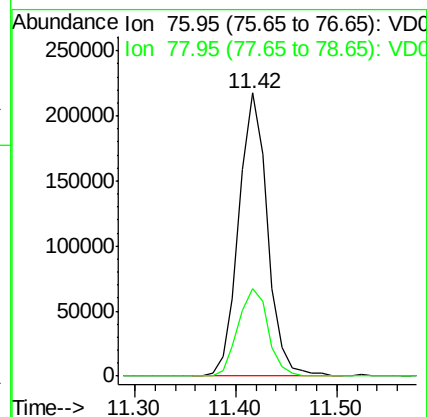
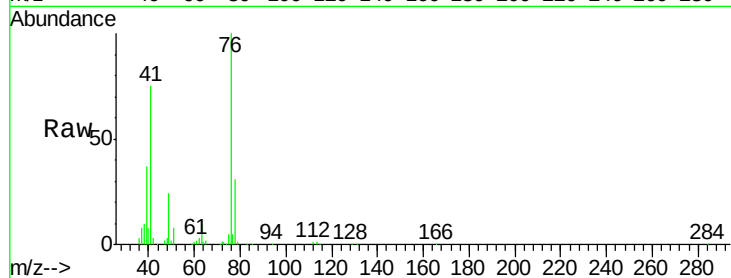
78 30.8 25.4 38.0

Manual Integrations

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MMDadoda

6/25/2019 9:59:56 AM



#58

2-Chloroethyl Vinyl ether

Concen: 324.646 ug/l

RT: 9.87 min Scan# 858

Delta R.T. 0.01 min

Lab File: VD062853.D

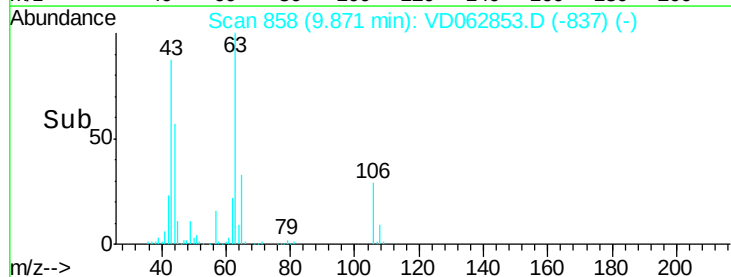
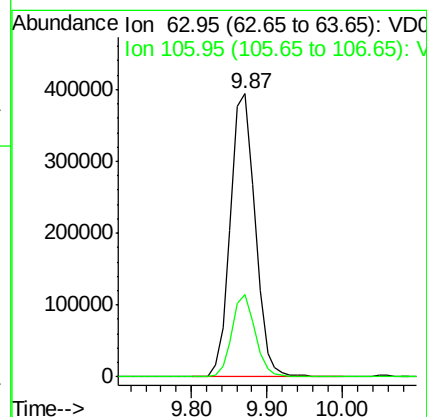
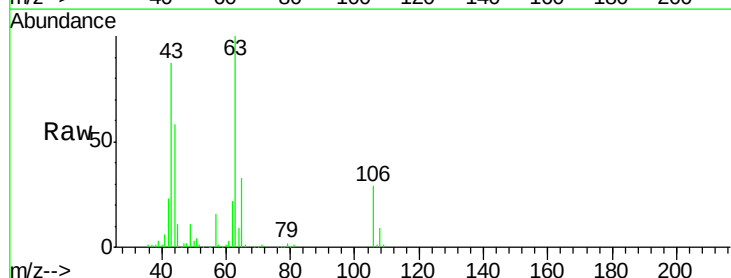
Acq: 24 Jun 2019 21:04

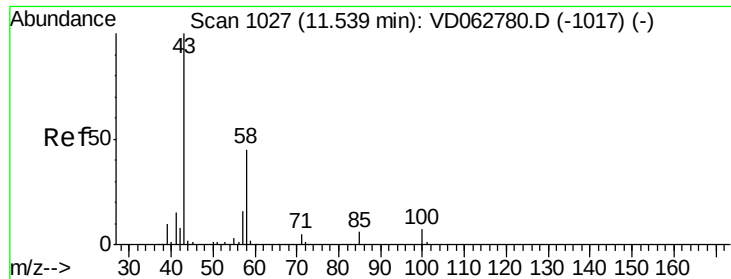
Tgt Ion: 63 Resp: 893611

Ion Ratio Lower Upper

63 100

106 29.1 22.1 33.1





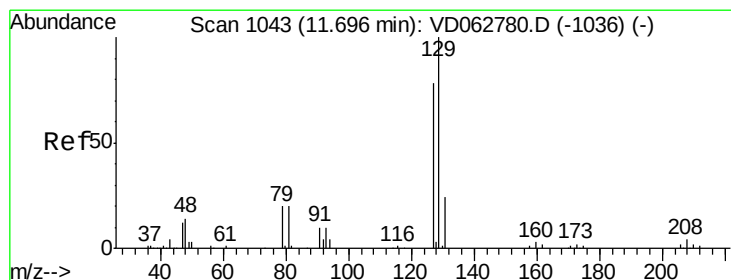
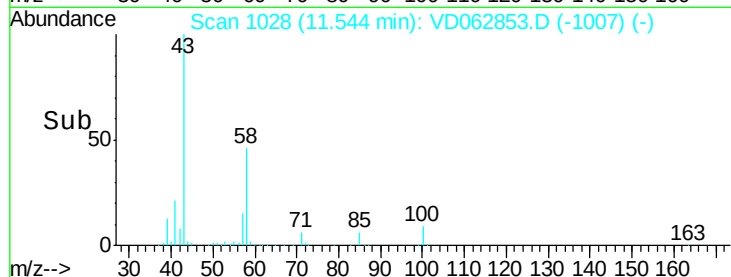
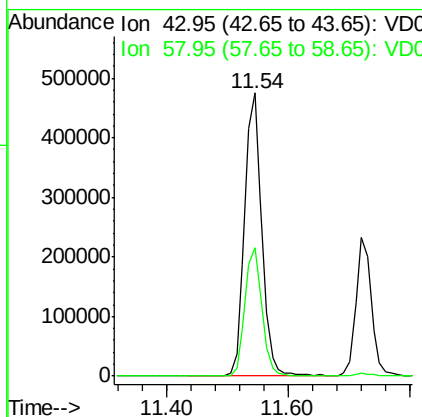
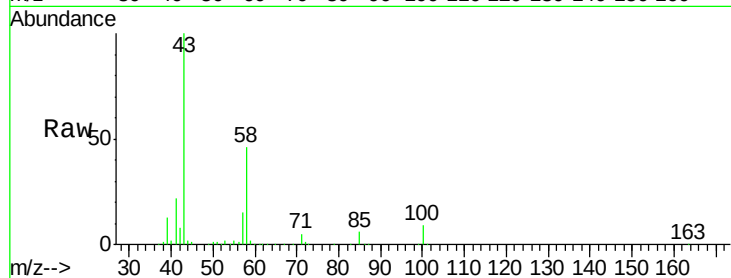
#59
2-Hexanone
Concen: 329.338 ug/l
RT: 11.54 min Scan# 1028
Delta R.T. 0.01 min
Lab File: VD062853.D
Acq: 24 Jun 2019 21:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 943535
Ion Ratio Lower Upper
43 100
58 45.6 22.4 67.2

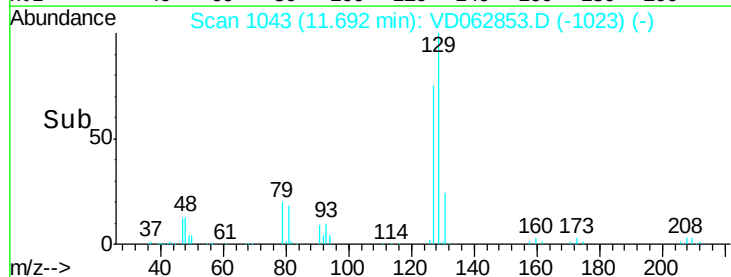
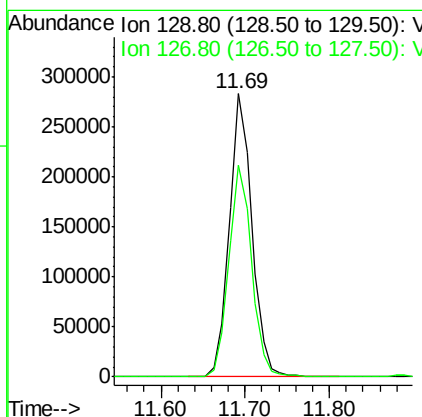
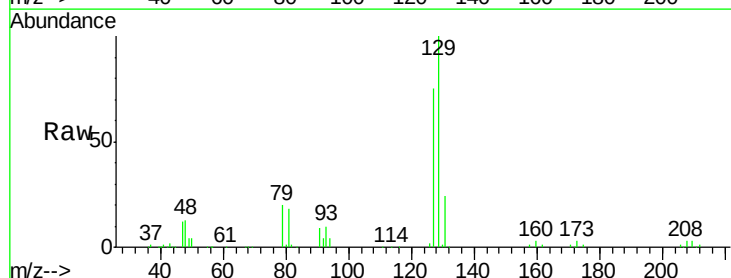
Manual Integrations
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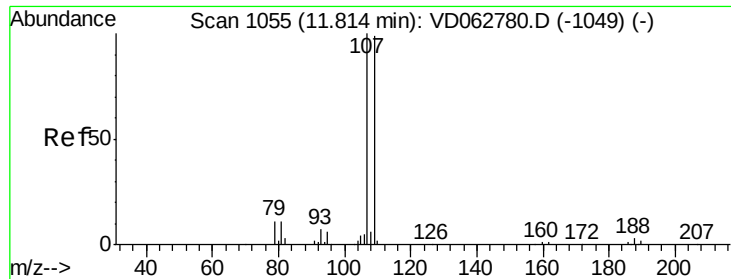
MMDadoda
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#60
Dibromochloromethane
Concen: 56.719 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. -0.00 min
Lab File: VD062853.D
Acq: 24 Jun 2019 21:04

Tgt Ion: 129 Resp: 530028
Ion Ratio Lower Upper
129 100
127 74.7 38.9 116.6





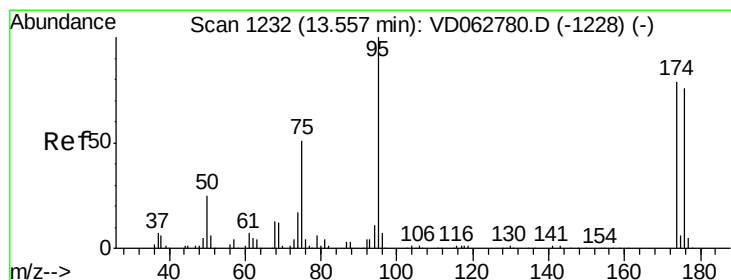
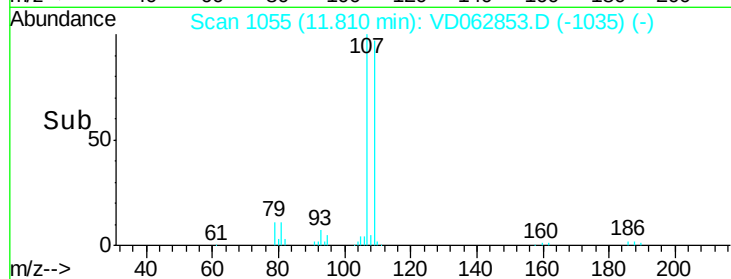
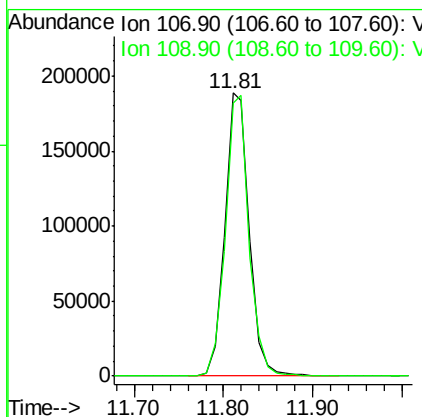
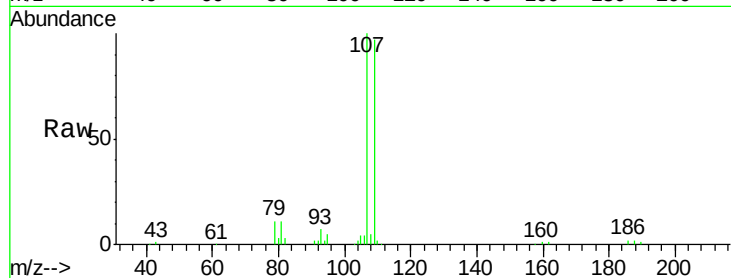
#61
 1,2-Dibromoethane
 Concen: 61.136 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. -0.00 min
 Lab File: VD062853.D
 Acq: 24 Jun 2019 21:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.7	79.3	118.9

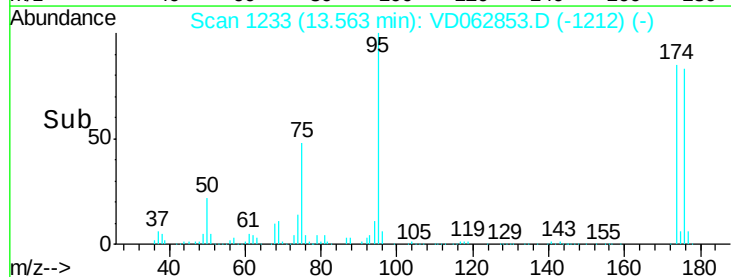
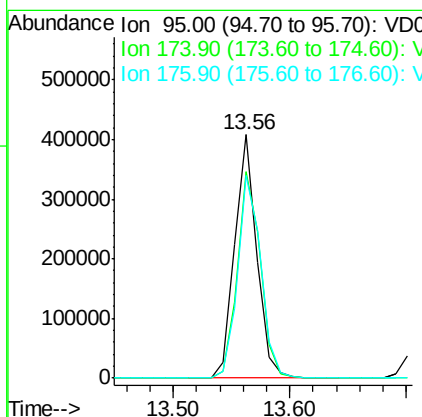
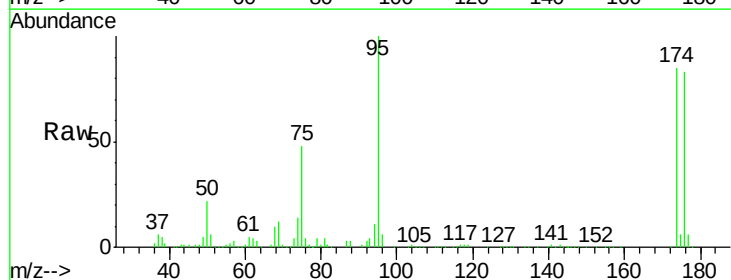
Manual Integrations
 APPROVED

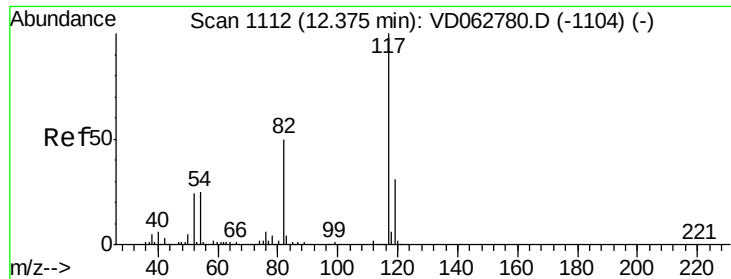
MMDadoda
 6/25/2019 9:59:56 AM



#62
 4-Bromofluorobenzene
 Concen: 55.843 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD062853.D
 Acq: 24 Jun 2019 21:04

Tgt Ion	Ratio	Lower	Upper
95	100		
174	84.8	0.0	158.0
176	83.3	0.0	151.6





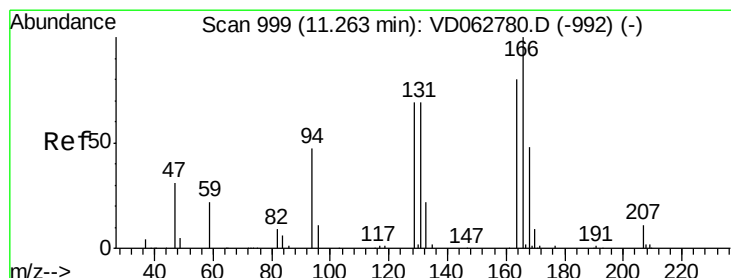
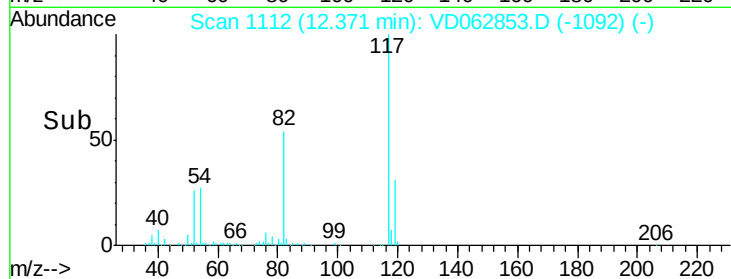
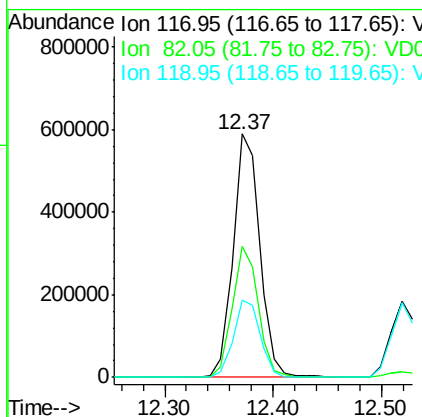
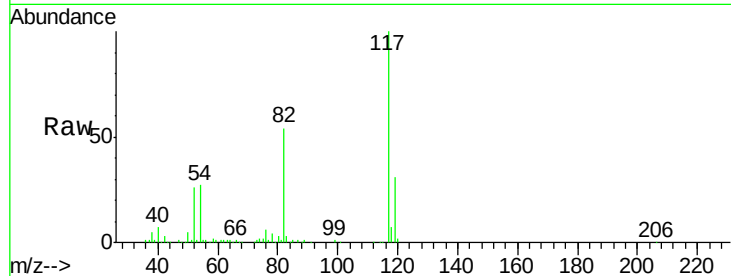
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD062853.D
Acq: 24 Jun 2019 21:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 1010762
Ion Ratio Lower Upper
117 100
82 53.8 40.4 60.6
119 31.5 25.2 37.8

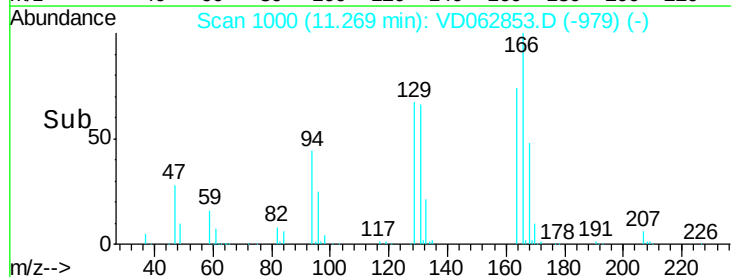
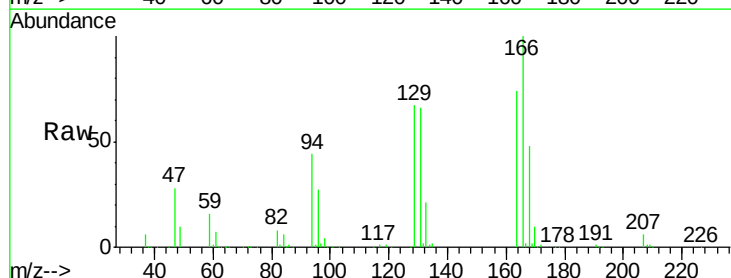
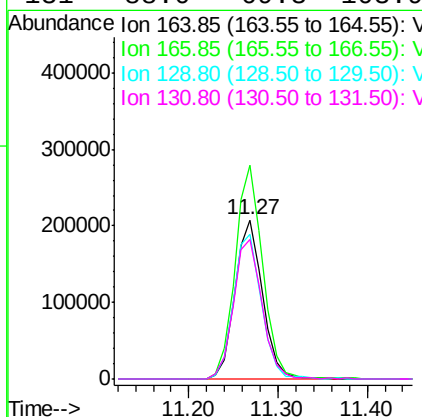
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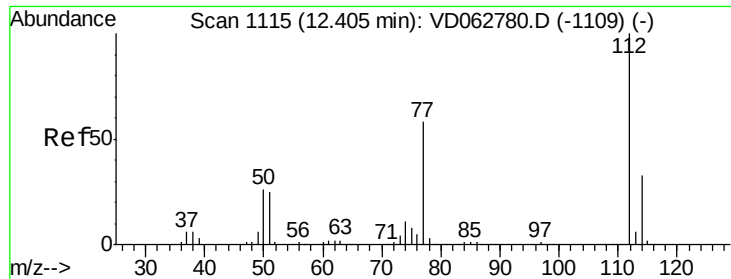
MMDadoda
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#64
Tetrachloroethene
Concen: 53.758 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. 0.01 min
Lab File: VD062853.D
Acq: 24 Jun 2019 21:04

Tgt Ion:164 Resp: 447203
Ion Ratio Lower Upper
164 100
166 134.3 100.6 150.8
129 90.6 69.4 104.0
131 88.0 69.3 103.9





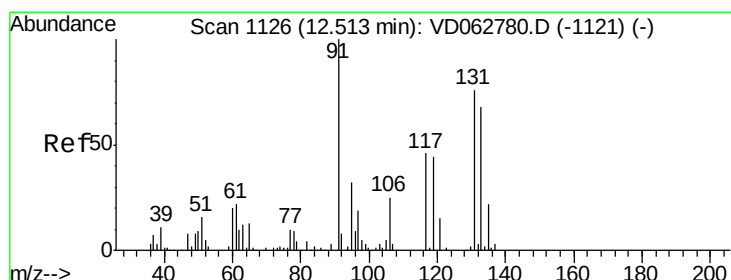
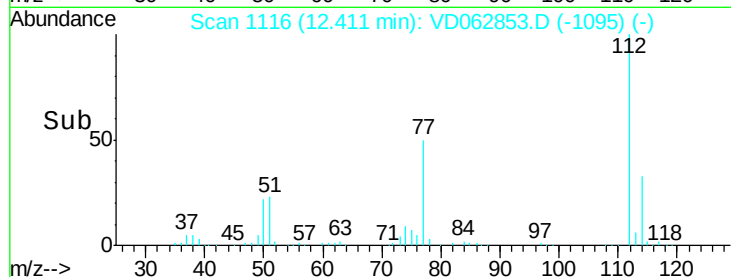
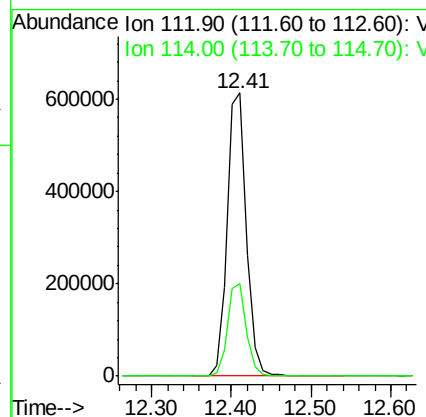
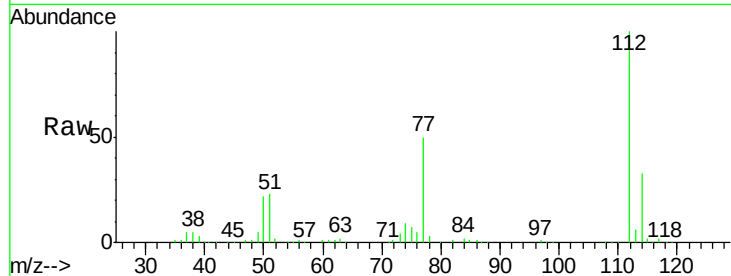
#65
Chlorobenzene
Concen: 55.798 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. 0.01 min
Lab File: VD062853.D
Acq: 24 Jun 2019 21:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 1046699
Ion Ratio Lower Upper
112 100
114 32.8 26.3 39.5

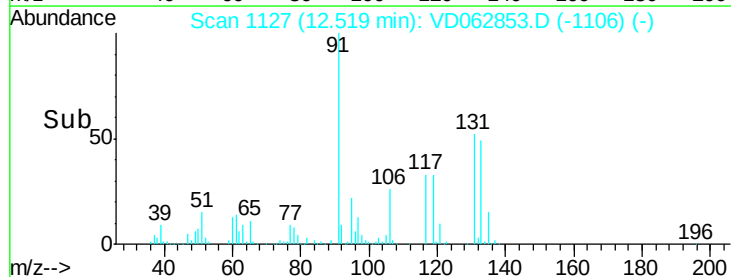
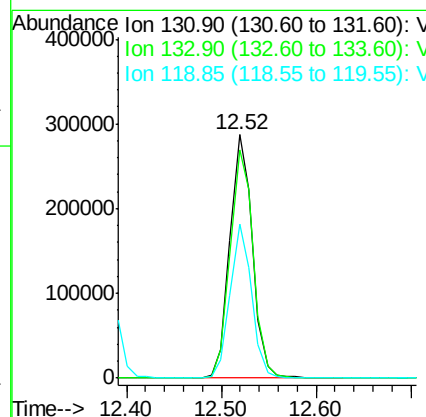
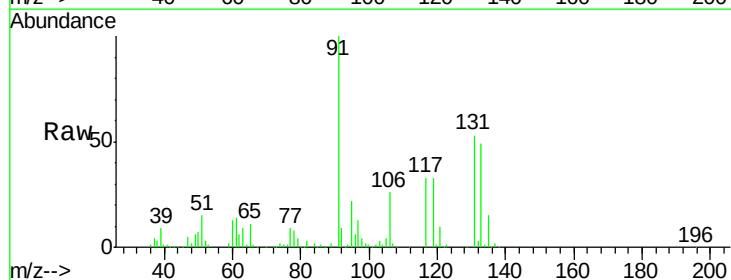
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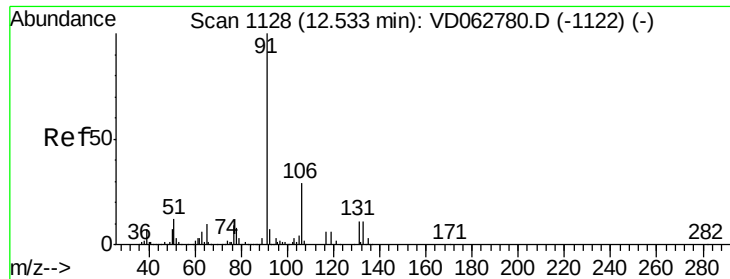
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#66
1,1,1,2-Tetrachloroethane
Concen: 53.973 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD062853.D
Acq: 24 Jun 2019 21:04

Tgt Ion:131 Resp: 473487
Ion Ratio Lower Upper
131 100
133 93.5 44.5 133.3
119 63.2 28.6 85.9





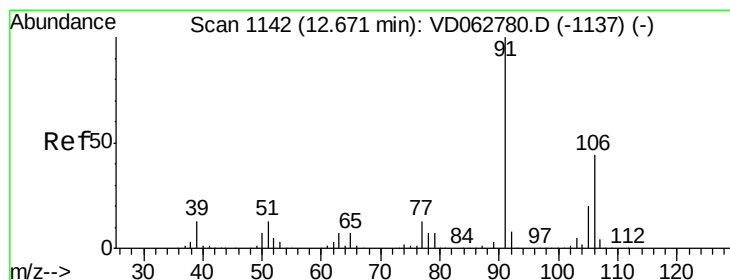
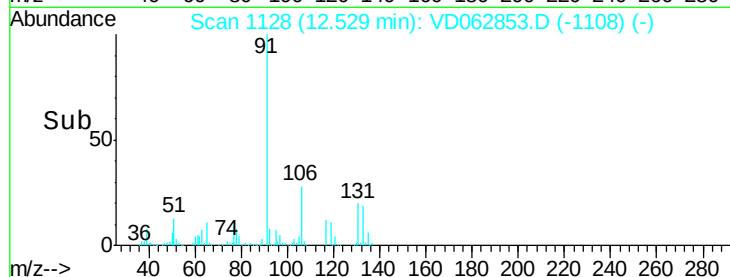
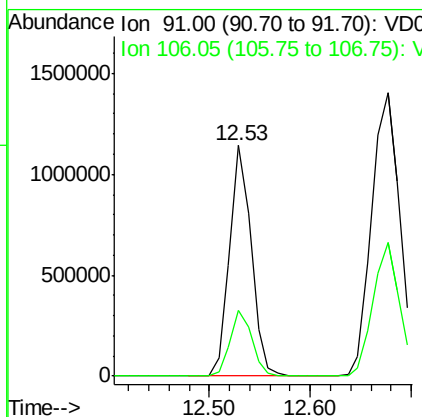
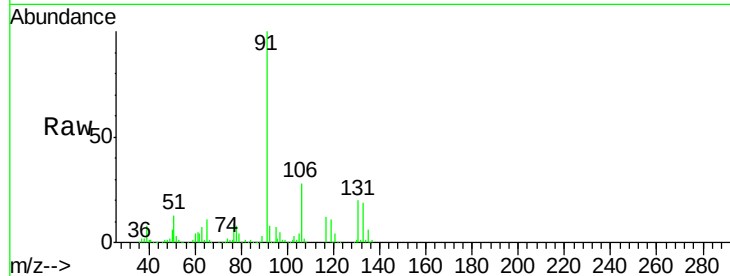
#67
Ethyl Benzene
Concen: 50.917 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VD062853.D
Acq: 24 Jun 2019 21:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1714834
Ion Ratio Lower Upper
91 100
106 28.5 23.1 34.7

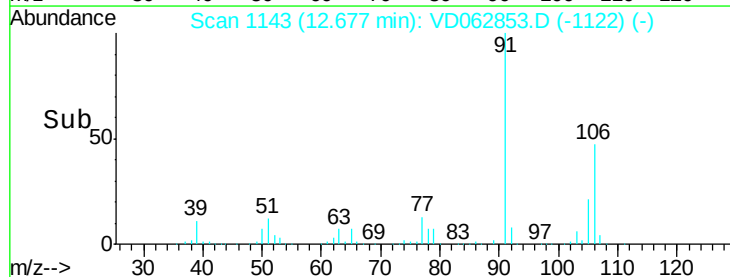
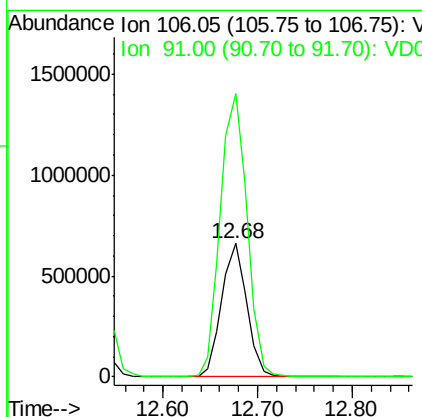
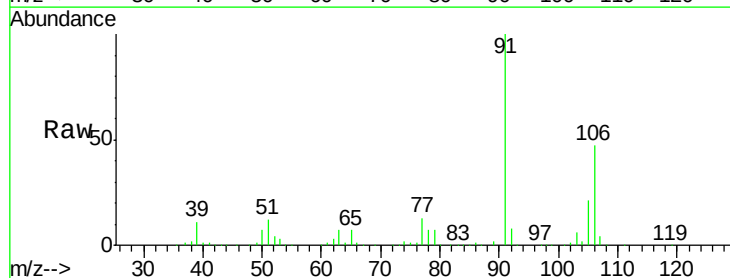
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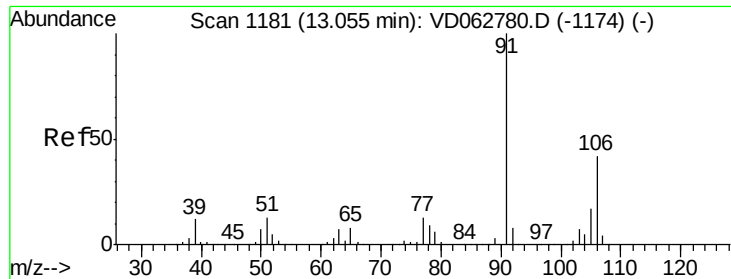
MMDadoda
6/25/2019 9:59:56 AM



#68
m/p-Xylenes
Concen: 104.369 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VD062853.D
Acq: 24 Jun 2019 21:04

Tgt Ion: 106 Resp: 1224257
Ion Ratio Lower Upper
106 100
91 212.0 183.0 274.6





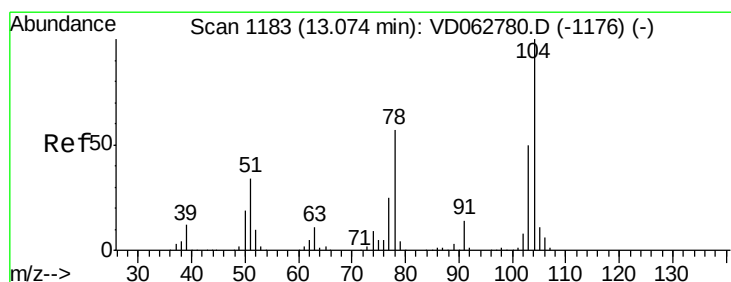
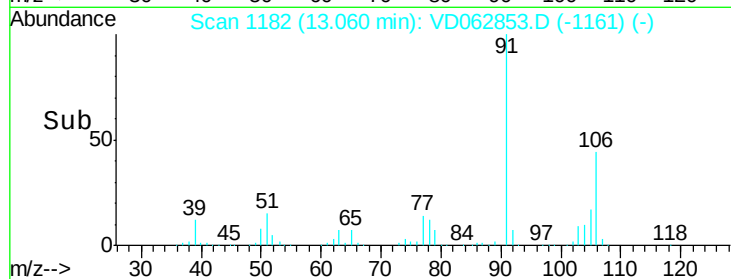
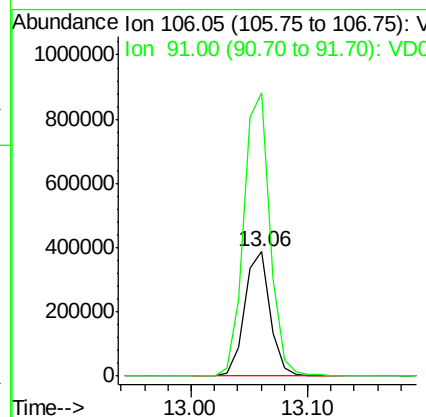
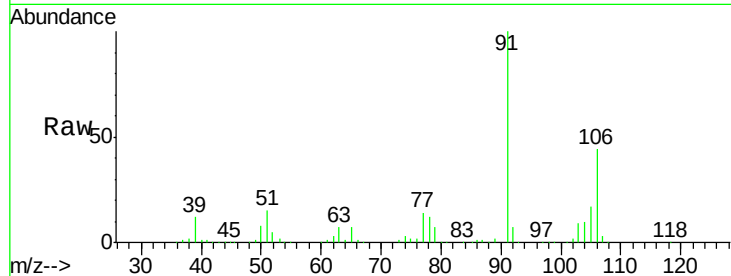
#69
o-Xylene
Concen: 54.719 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.01 min
Lab File: VD062853.D
Acq: 24 Jun 2019 21:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 586762
Ion Ratio Lower Upper
106 100
91 227.4 117.9 353.6

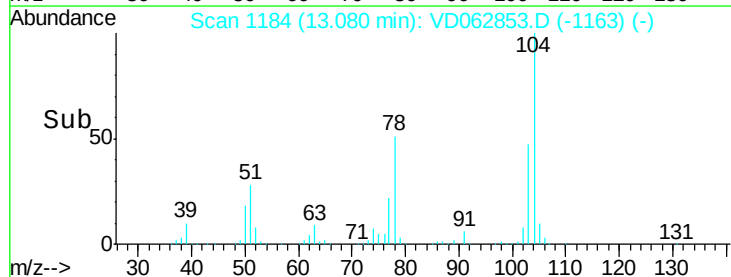
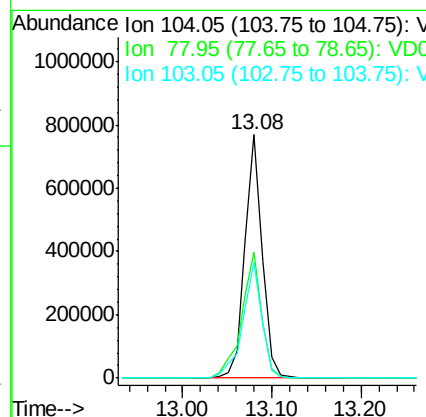
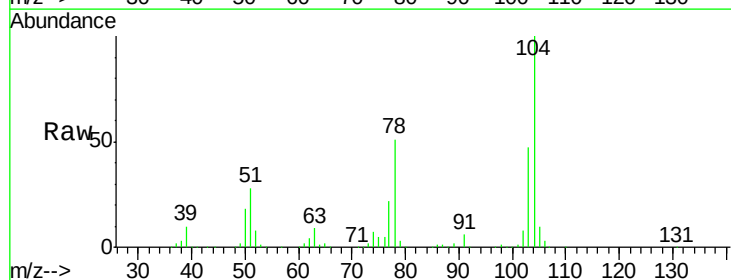
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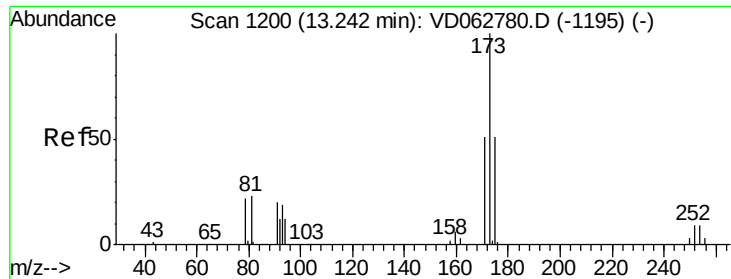
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#70
Styrene
Concen: 55.520 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VD062853.D
Acq: 24 Jun 2019 21:04

Tgt Ion:104 Resp: 1045710
Ion Ratio Lower Upper
104 100
78 51.5 45.4 68.2
103 47.5 39.7 59.5





#71

Bromoform

Concen: 58.464 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VD062853.D

Acq: 24 Jun 2019 21:04

Instrument :

MSVOA_D

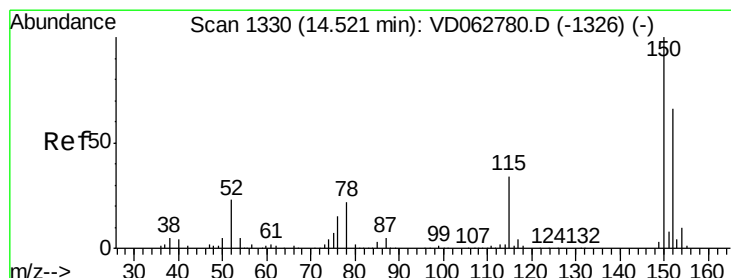
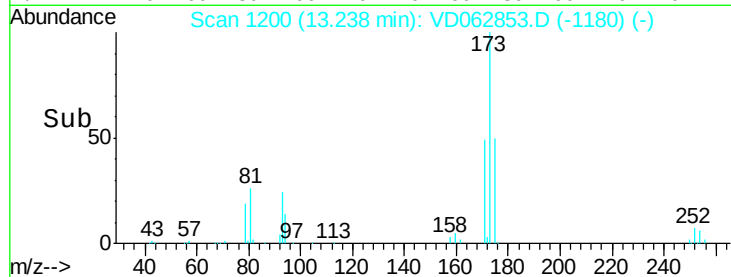
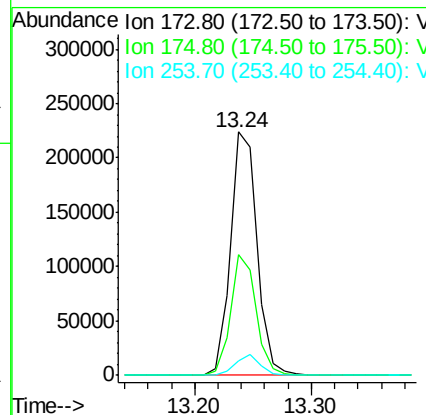
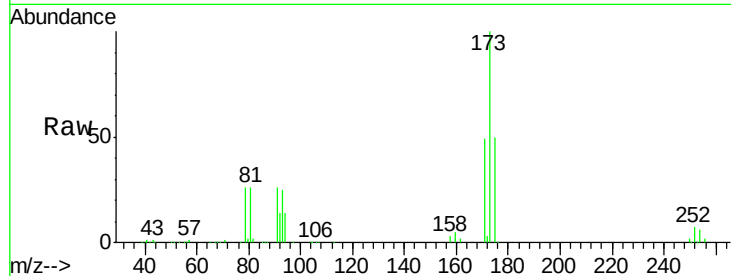
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.7	25.3	75.9
254	5.8	7.1	10.7

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

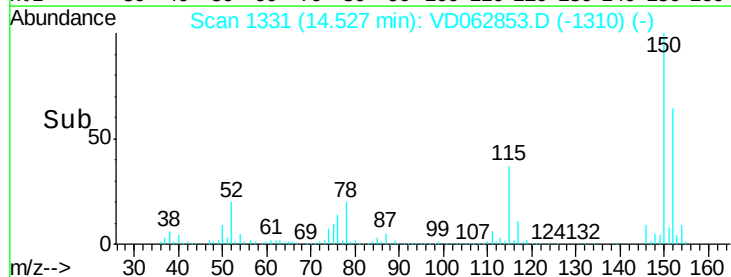
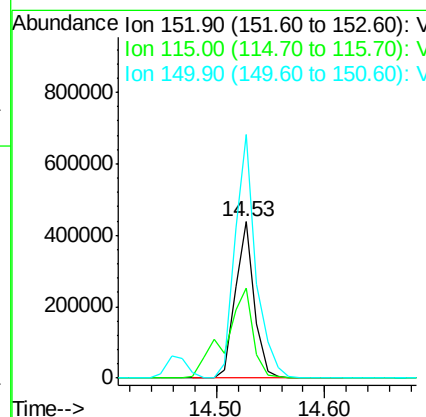
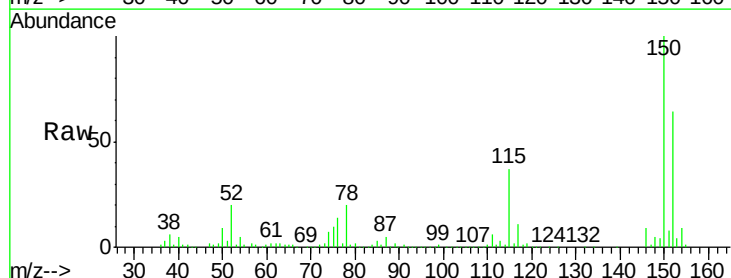
RT: 14.53 min Scan# 1331

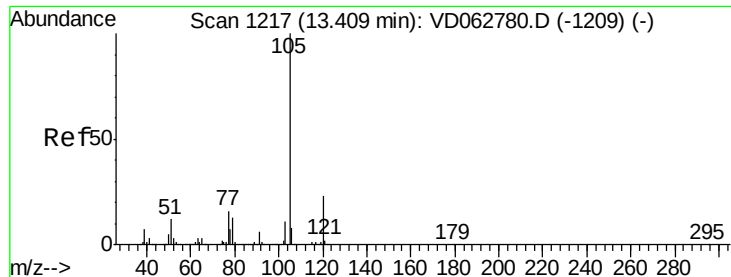
Delta R.T. 0.01 min

Lab File: VD062853.D

Acq: 24 Jun 2019 21:04

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.4	29.2	87.6
150	155.6	0.0	305.8





#73

Isopropylbenzene

Concen: 48.781 ug/l

RT: 13.41 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VD062853.D

Acq: 24 Jun 2019 21:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1666648

Ion Ratio Lower Upper

105 100

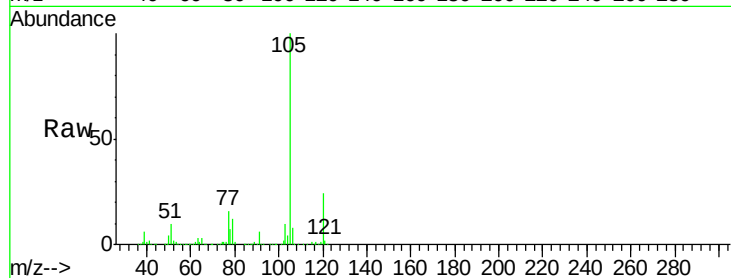
120 23.7 11.6 34.7

Manual Integrations

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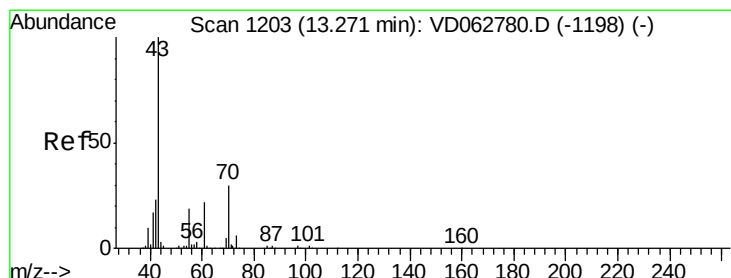
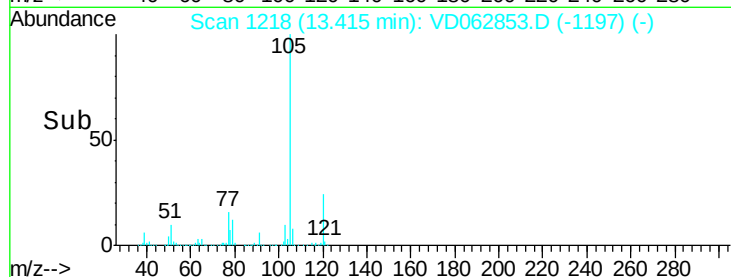
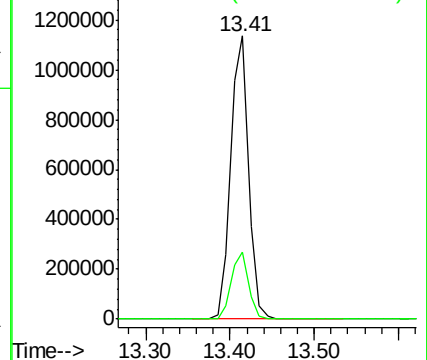
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 64.916 ug/l

RT: 13.28 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD062853.D

Acq: 24 Jun 2019 21:04

Tgt Ion: 43 Resp: 538619

Ion Ratio Lower Upper

43 100

70 31.6 24.4 36.6

55 17.9 15.2 22.8

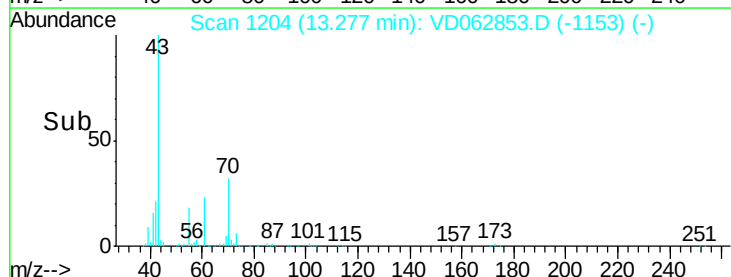
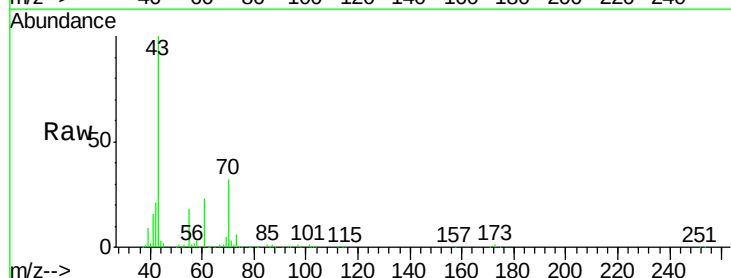
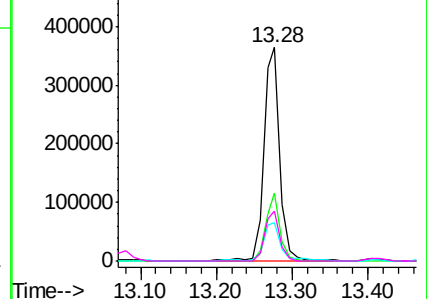
61 23.1 17.4 26.2

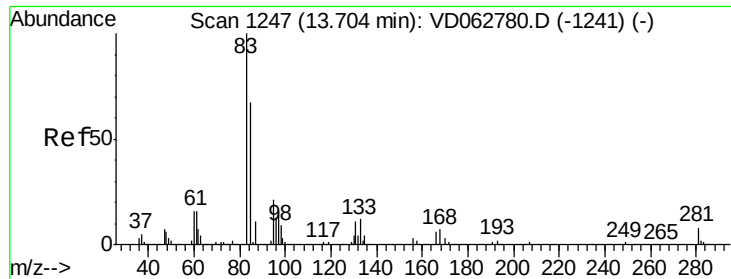
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 60.144 ug/l

RT: 13.71 min Scan# 1248

Delta R.T. 0.01 min

Lab File: VD062853.D

Acq: 24 Jun 2019 21:04

Instrument :

MSVOA_D

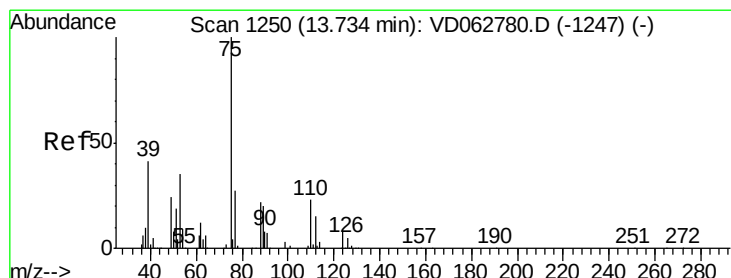
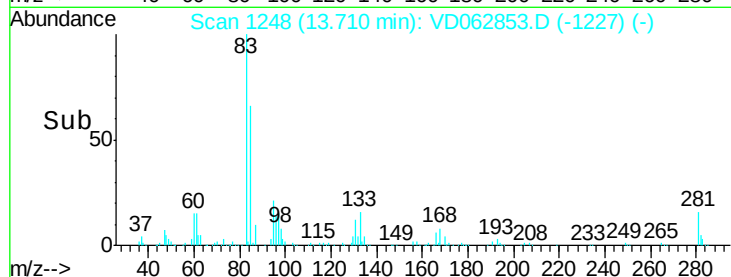
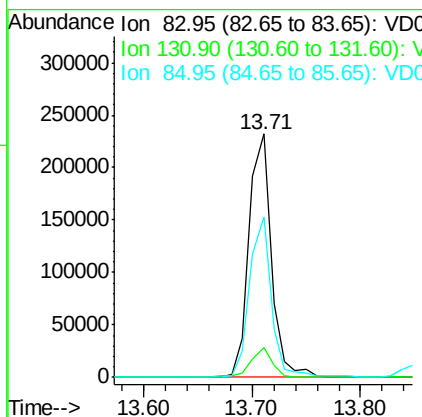
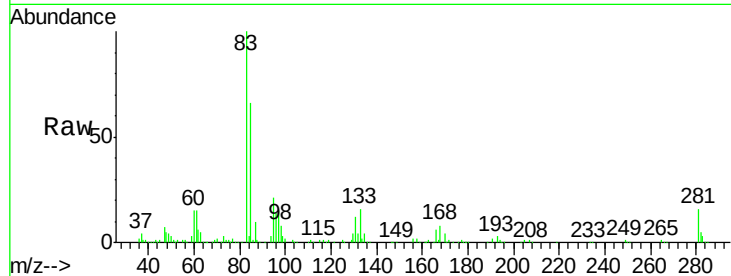
ClientSampleId :

VSTDCCC050EC

Tot Ion	83	Resp	334812
Ion Ratio	Lower	Upper	
83	100		
131	12.3	5.3	16.1
85	65.8	33.7	101.1

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 60.064 ug/l

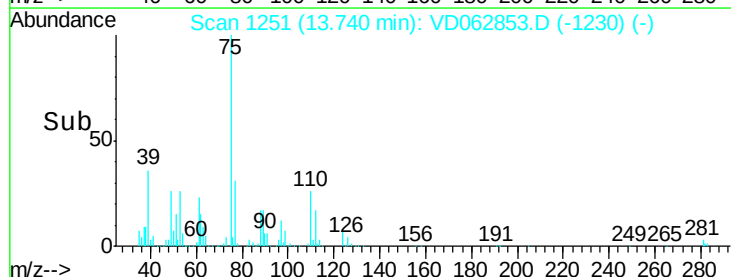
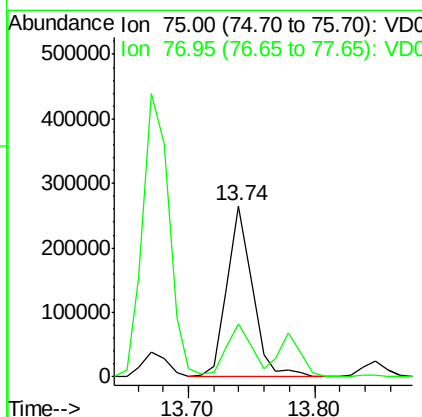
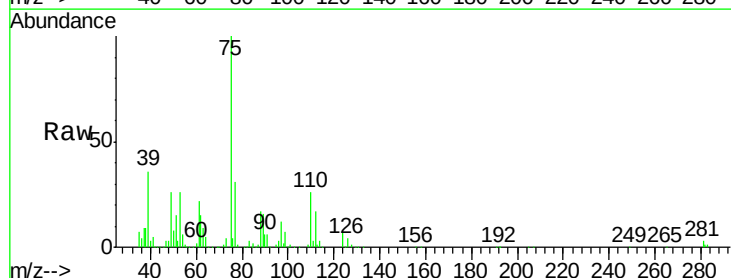
RT: 13.74 min Scan# 1251

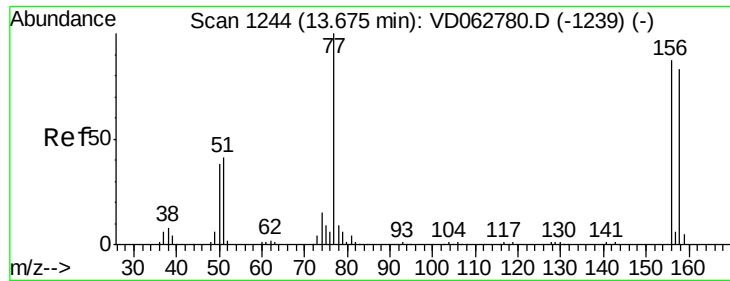
Delta R.T. 0.01 min

Lab File: VD062853.D

Acq: 24 Jun 2019 21:04

Tgt Ion	75	Resp	369484
Ion Ratio	Lower	Upper	
75	100		
77	30.9	15.0	45.1





#77

Bromobenzene

Concen: 56.599 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. 0.01 min

Lab File: VD062853.D

Acq: 24 Jun 2019 21:04

Instrument :

MSVOA_D

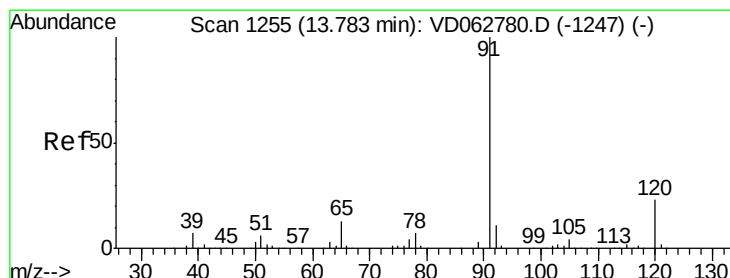
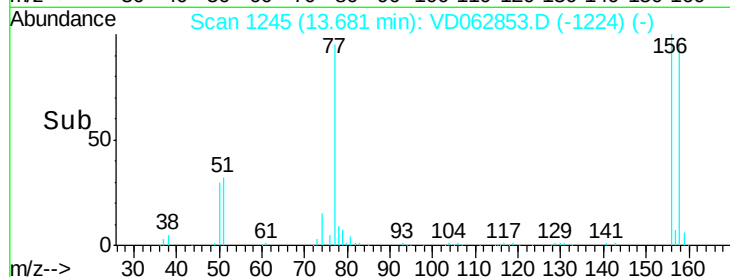
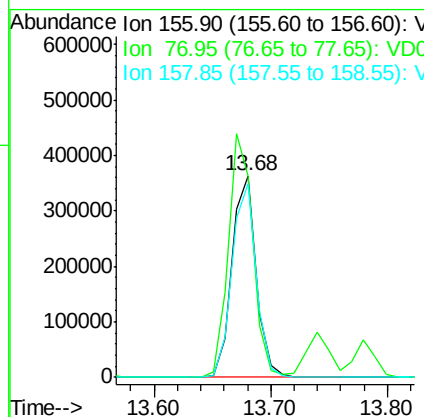
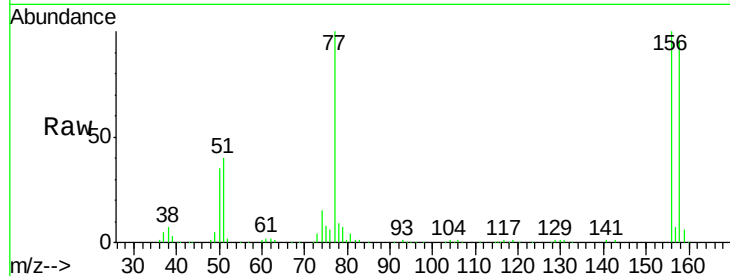
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	520130
Ion Ratio	Lower	Upper	
156	100		
77	99.5	57.7	173.1
158	96.0	47.7	143.1

Manual Integrations
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#78

n-propylbenzene

Concen: 49.216 ug/l

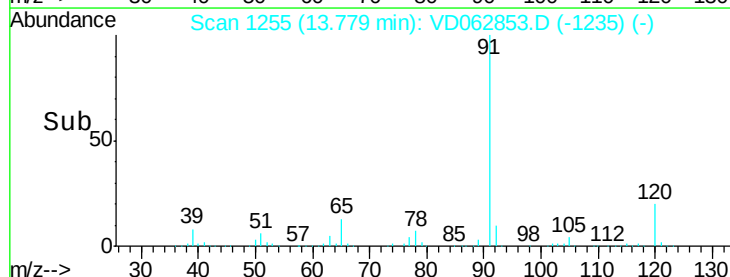
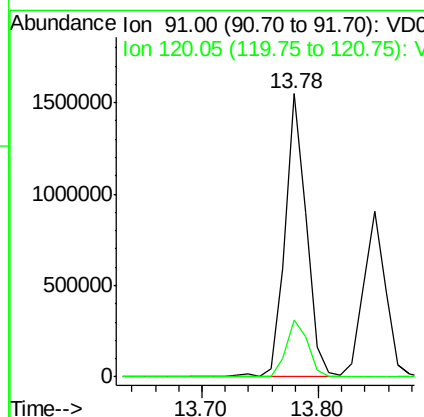
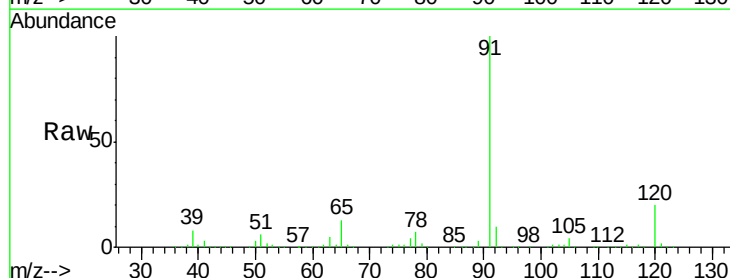
RT: 13.78 min Scan# 1255

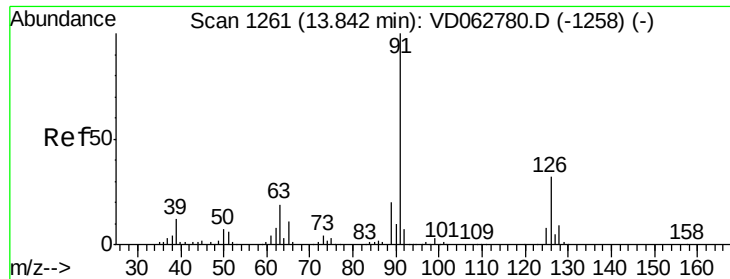
Delta R.T. -0.00 min

Lab File: VD062853.D

Acq: 24 Jun 2019 21:04

Tgt Ion:	91	Resp:	1957142
Ion Ratio	Lower	Upper	
91	100		
120	20.3	11.3	33.8





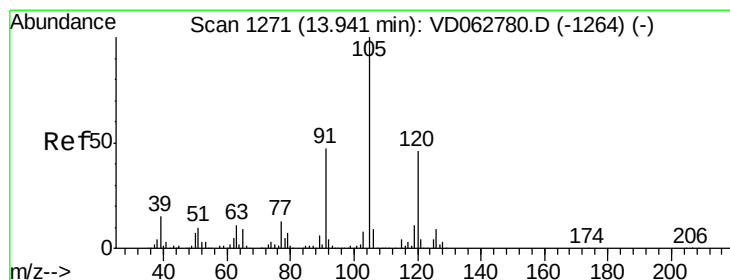
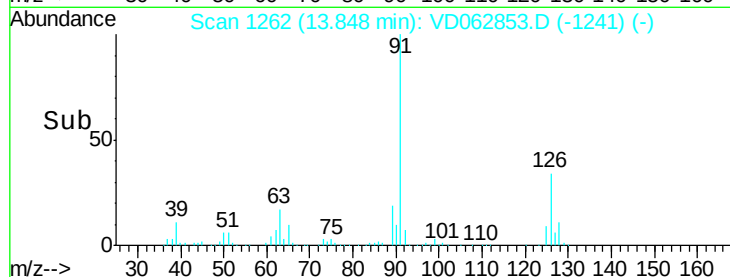
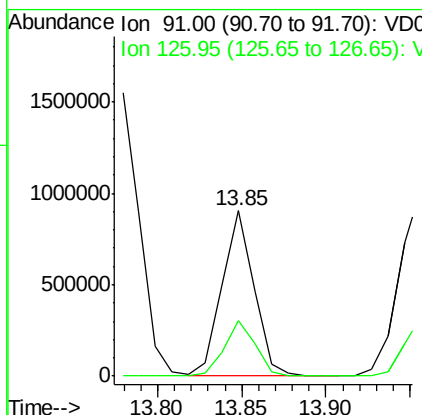
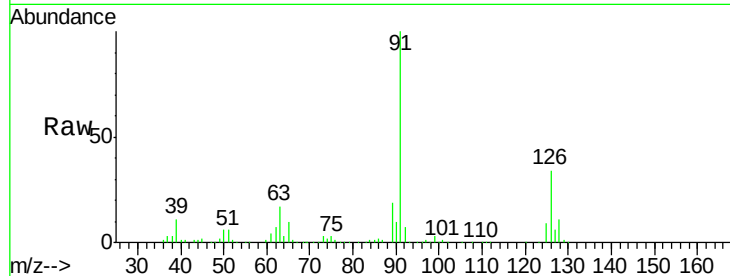
#79
 2-Chlorotoluene
 Concen: 52.278 ug/l
 RT: 13.85 min Scan# 1262
 Delta R.T. 0.01 min
 Lab File: VD062853.D
 Acq: 24 Jun 2019 21:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 1188047
 Ion Ratio Lower Upper
 91 100
 126 33.9 15.7 47.1

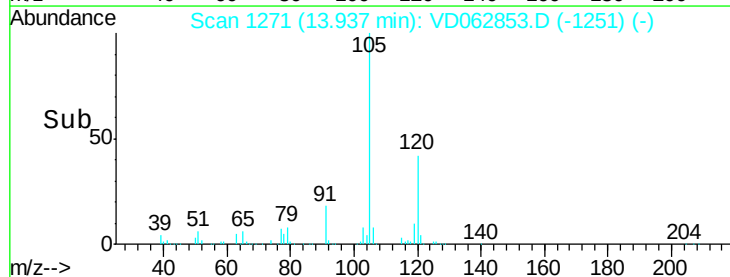
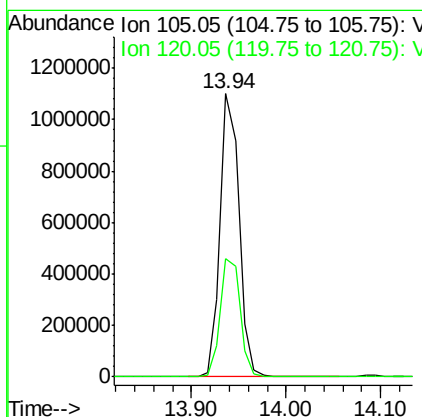
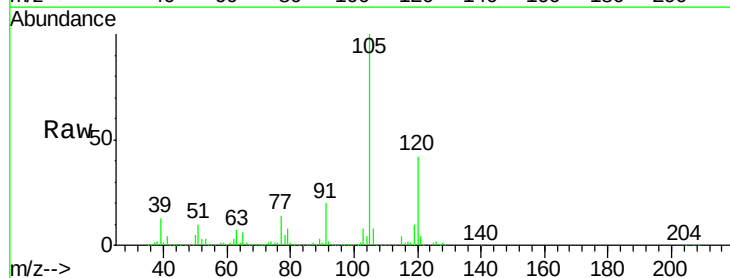
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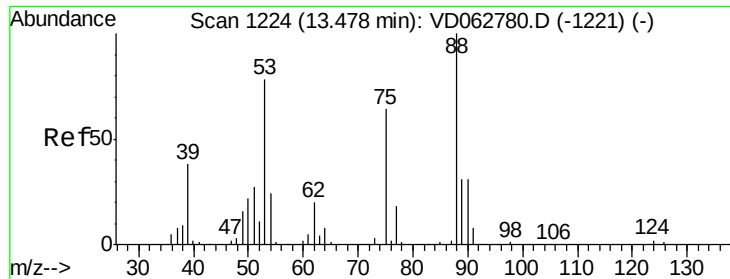
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#80
 1,3,5-Trimethylbenzene
 Concen: 52.909 ug/l
 RT: 13.94 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VD062853.D
 Acq: 24 Jun 2019 21:04

Tgt Ion: 105 Resp: 1518409
 Ion Ratio Lower Upper
 105 100
 120 41.8 23.1 69.2





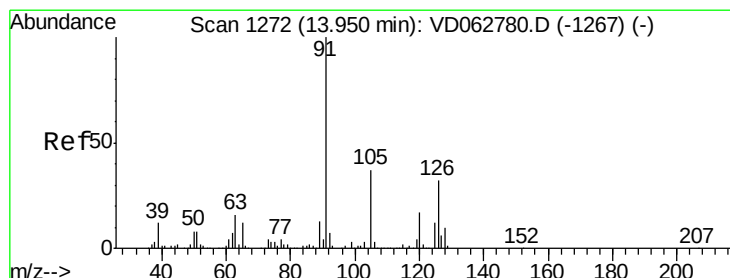
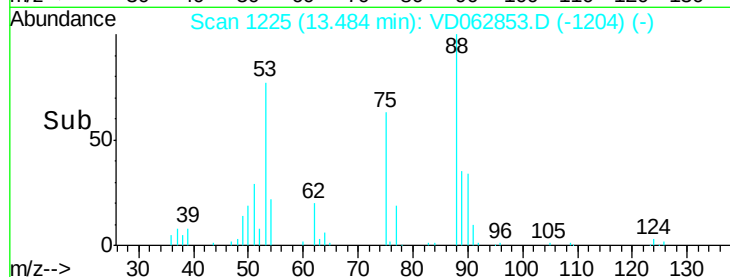
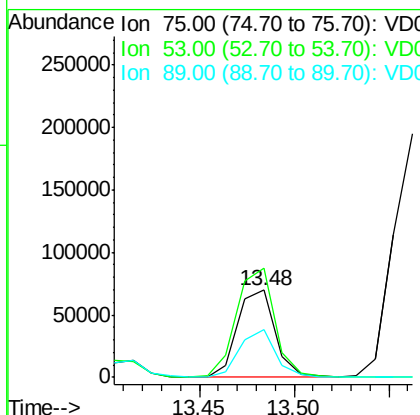
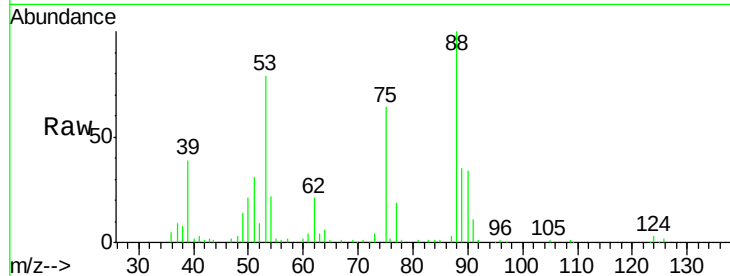
#81
trans-1,4-Dichloro-2-butene
Concen: 59.298 ug/l
RT: 13.48 min Scan# 1225
Delta R.T. 0.01 min
Lab File: VD062853.D
Acq: 24 Jun 2019 21:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	124.9	97.8	146.8
89	54.8	39.4	59.2

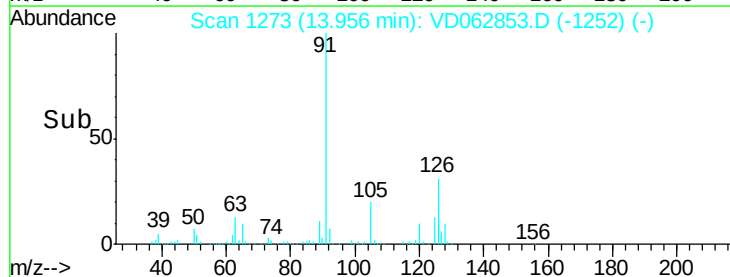
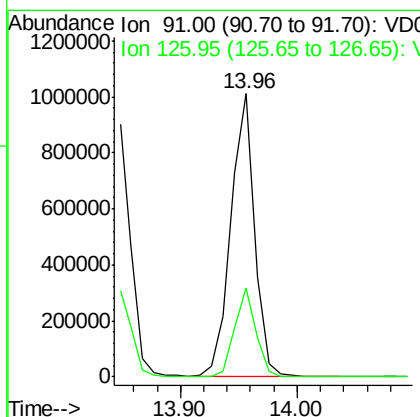
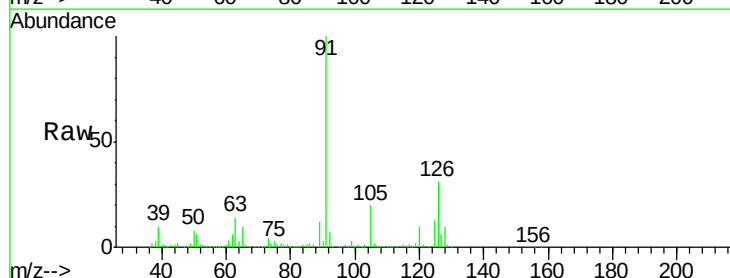
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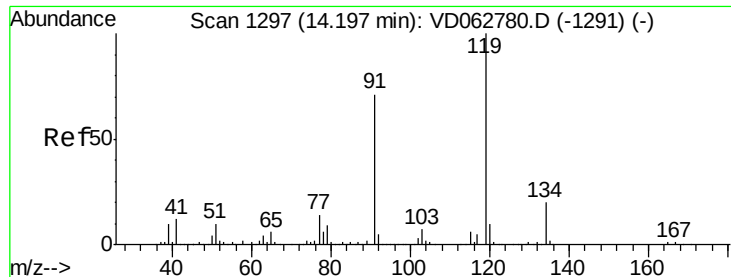
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#82
4-Chlorotoluene
Concen: 51.875 ug/l
RT: 13.96 min Scan# 1273
Delta R.T. 0.01 min
Lab File: VD062853.D
Acq: 24 Jun 2019 21:04

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.4	16.0	47.9





#83

tert-Butylbenzene

Concen: 49.663 ug/l

RT: 14.19 min Scan# 1297

Delta R.T. -0.00 min

Lab File: VD062853.D

Acq: 24 Jun 2019 21:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:119 Resp: 1588664

Ion Ratio Lower Upper

119 100

91 80.3 35.5 106.5

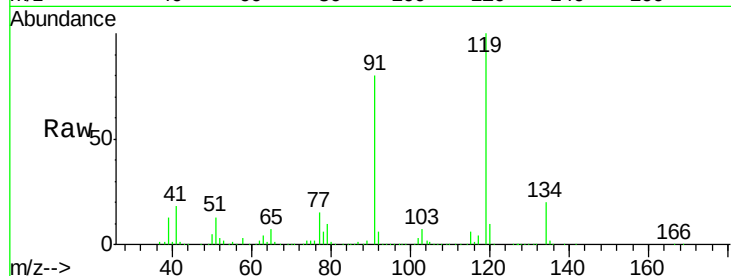
134 20.0 10.2 30.6

Manual Integrations

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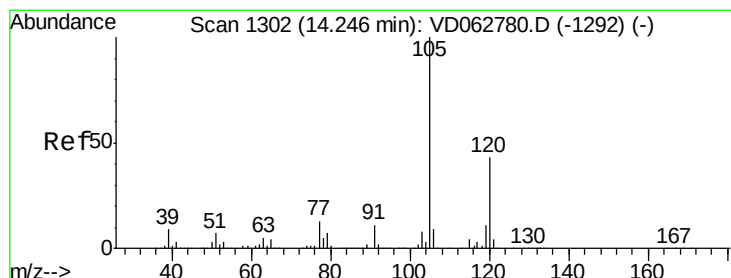
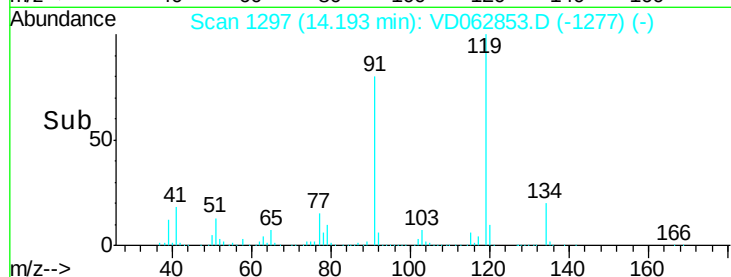
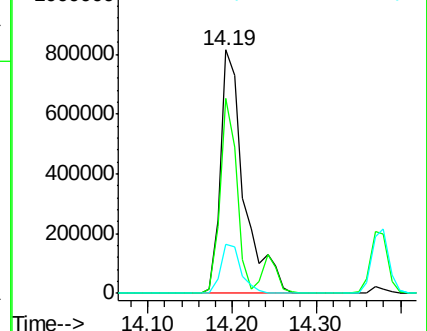
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Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 50.047 ug/l

RT: 14.24 min Scan# 1302

Delta R.T. -0.00 min

Lab File: VD062853.D

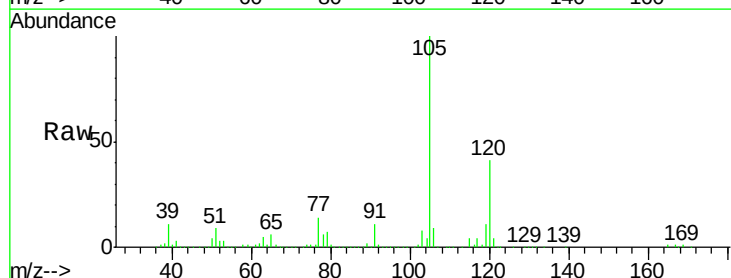
Acq: 24 Jun 2019 21:04

Tgt Ion:105 Resp: 1472104

Ion Ratio Lower Upper

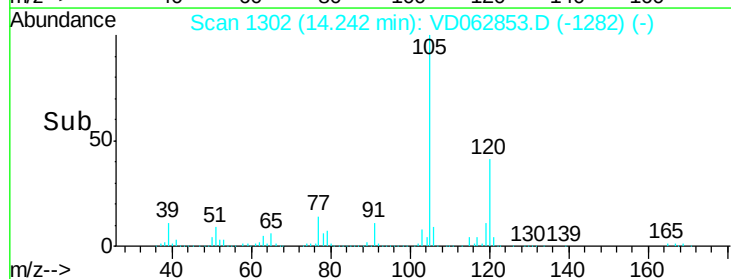
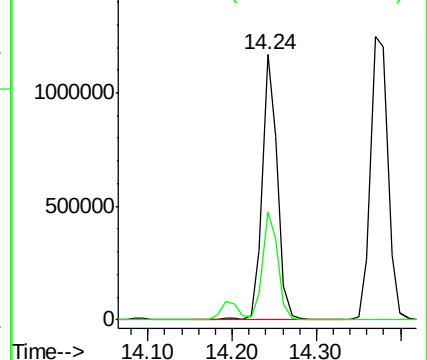
105 100

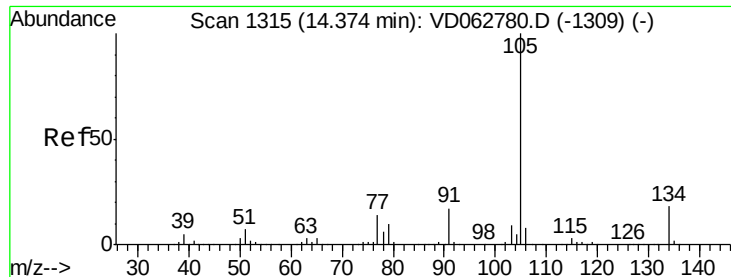
120 40.8 21.3 63.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





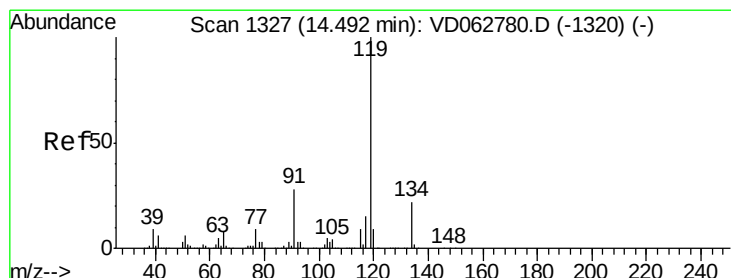
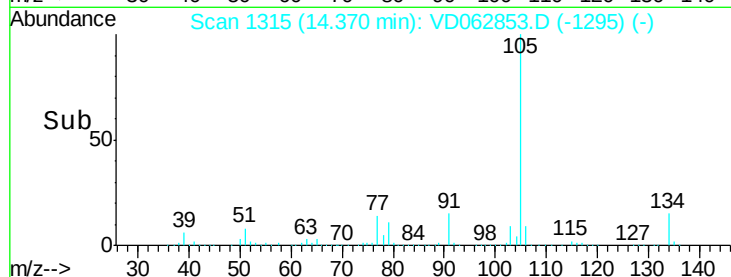
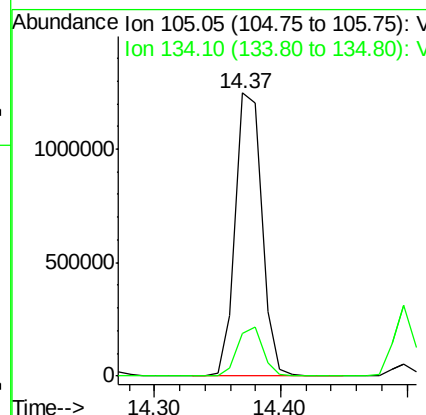
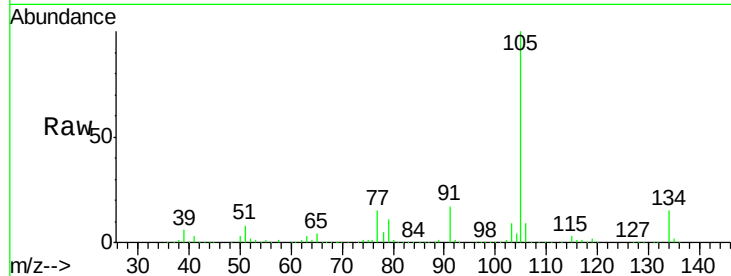
#85
 sec-Butylbenzene
 Concen: 51.880 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VD062853.D
 Acq: 24 Jun 2019 21:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:105 Resp: 1803734
 Ion Ratio Lower Upper
 105 100
 134 15.3 9.1 27.3

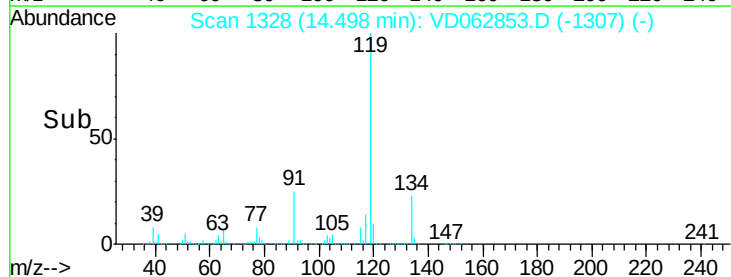
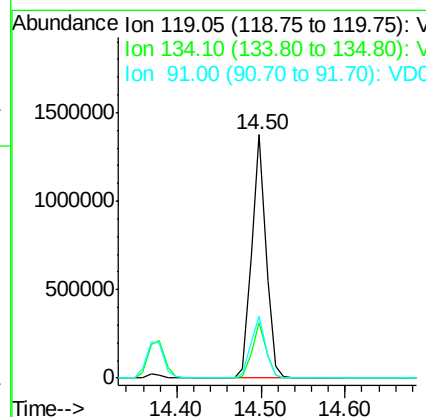
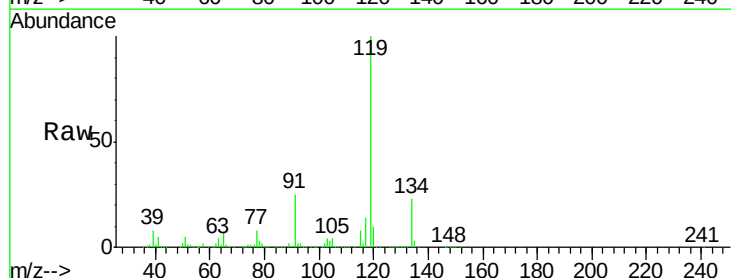
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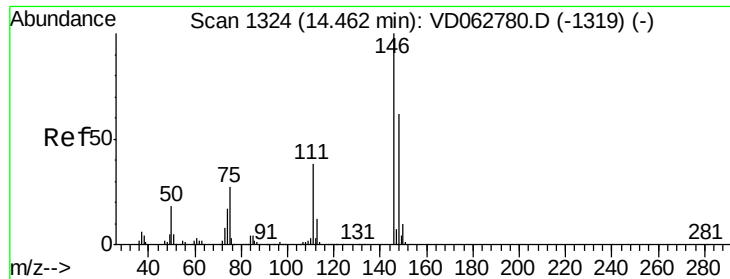
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#86
 p-Isopropyltoluene
 Concen: 51.516 ug/l
 RT: 14.50 min Scan# 1328
 Delta R.T. 0.01 min
 Lab File: VD062853.D
 Acq: 24 Jun 2019 21:04

Tgt Ion:119 Resp: 1638548
 Ion Ratio Lower Upper
 119 100
 134 22.6 11.1 33.1
 91 25.3 14.0 41.9





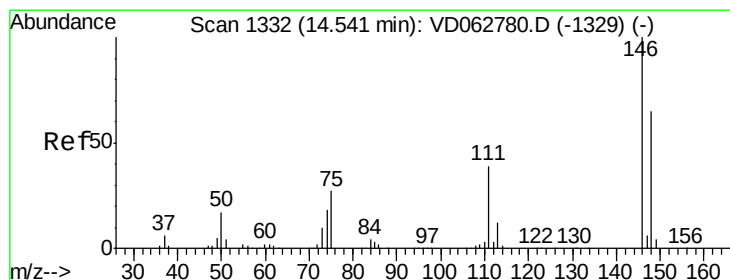
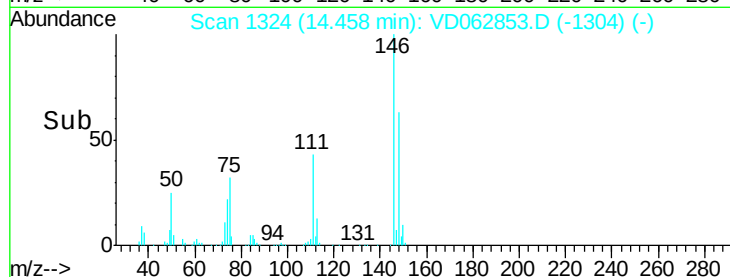
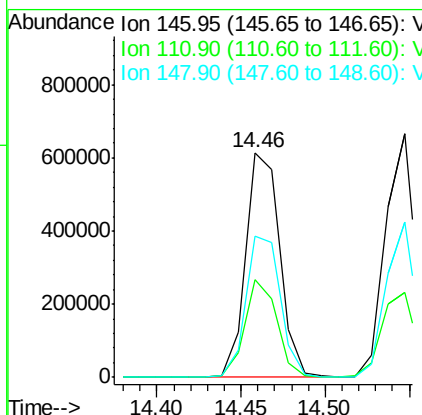
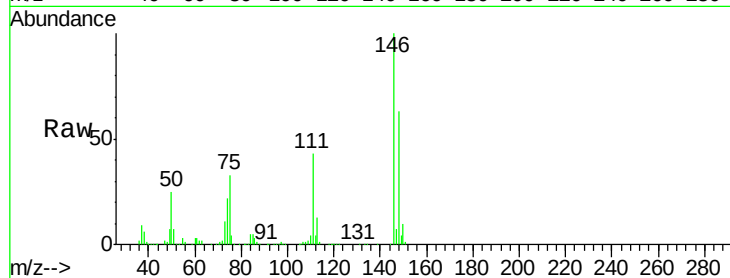
#87
 1,3-Dichlorobenzene
 Concen: 52.427 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VD062853.D
 Acq: 24 Jun 2019 21:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.3	19.0	57.0
148	62.8	30.8	92.3

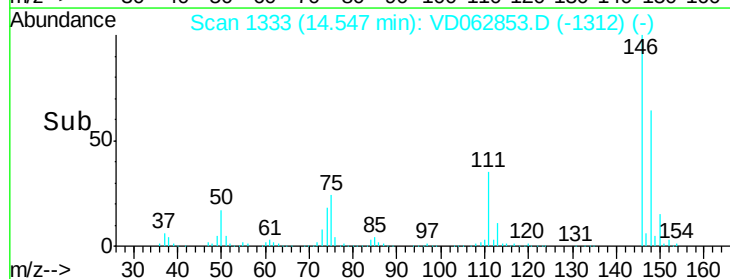
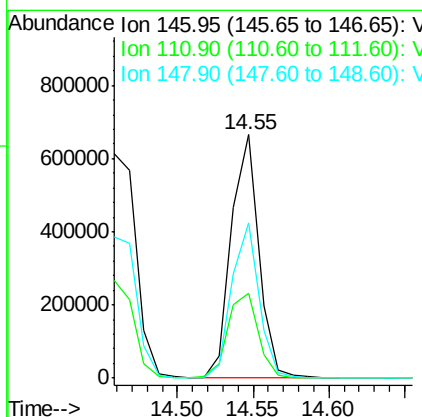
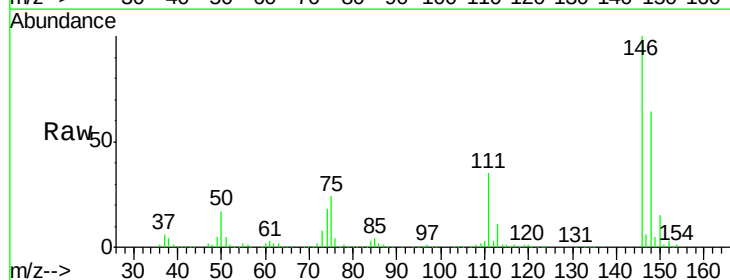
Manual Integrations
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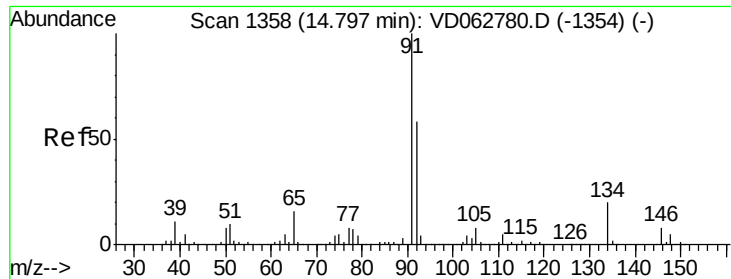
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#88
 1,4-Dichlorobenzene
 Concen: 50.636 ug/l
 RT: 14.55 min Scan# 1333
 Delta R.T. 0.01 min
 Lab File: VD062853.D
 Acq: 24 Jun 2019 21:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.9	19.7	59.1
148	63.7	32.8	98.3





#89

n-Butylbenzene

Concen: 50.512 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. 0.01 min

Lab File: VD062853.D

Acq: 24 Jun 2019 21:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1503746

Ion Ratio Lower Upper

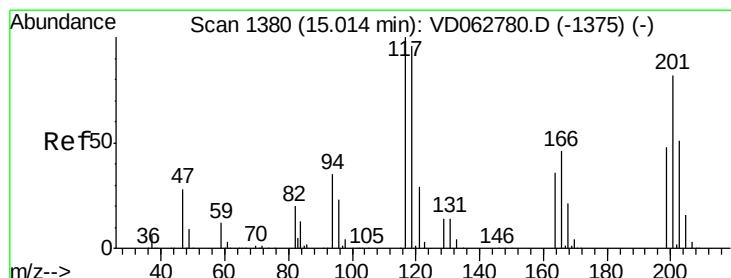
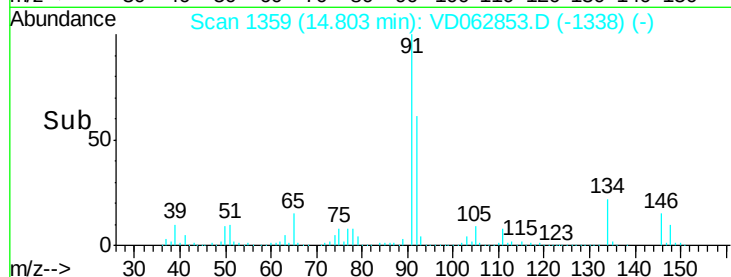
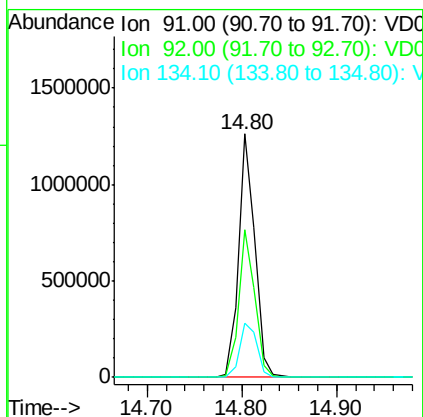
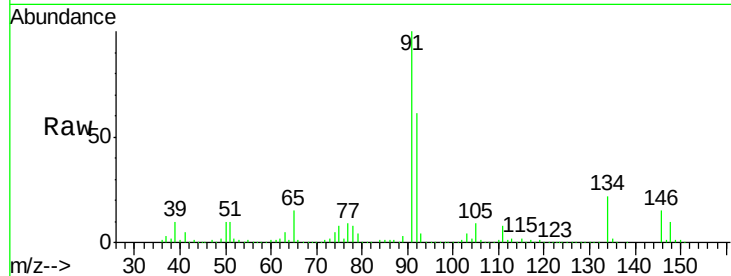
91 100

92 60.8 28.9 86.7

134 22.0 10.1 30.3

Manual Integrations
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#90

Hexachloroethane

Concen: 53.631 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. -0.00 min

Lab File: VD062853.D

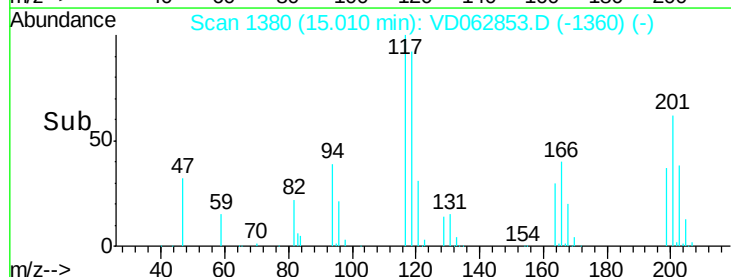
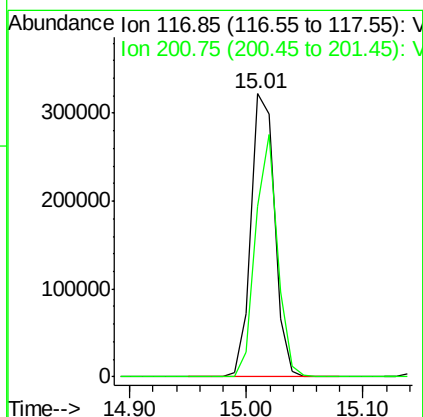
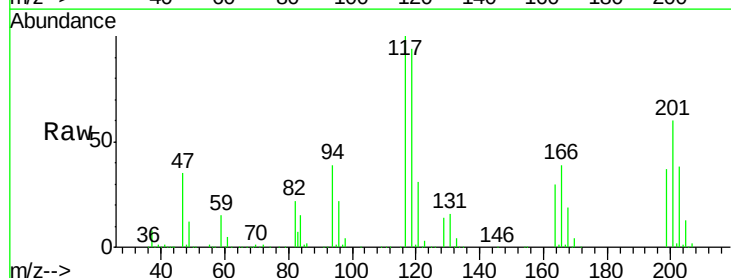
Acq: 24 Jun 2019 21:04

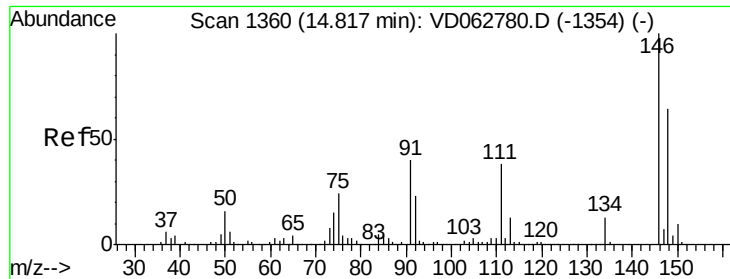
Tgt Ion: 117 Resp: 458644

Ion Ratio Lower Upper

117 100

201 60.3 40.8 122.2





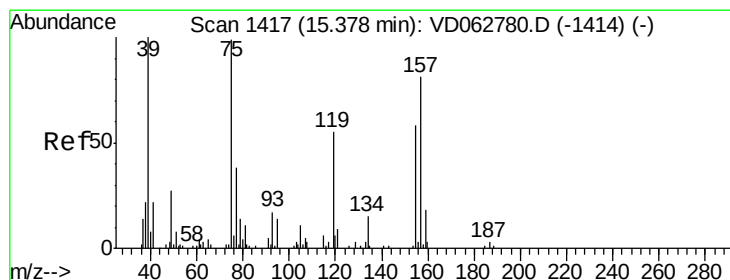
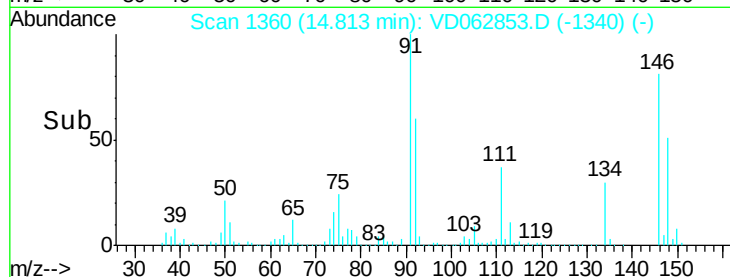
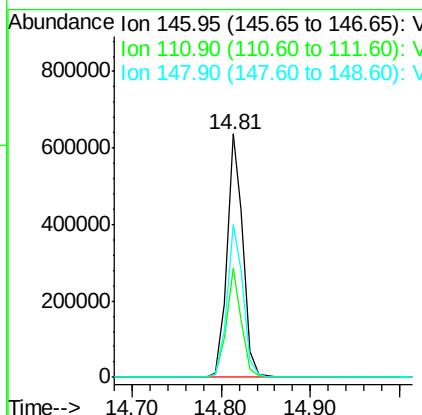
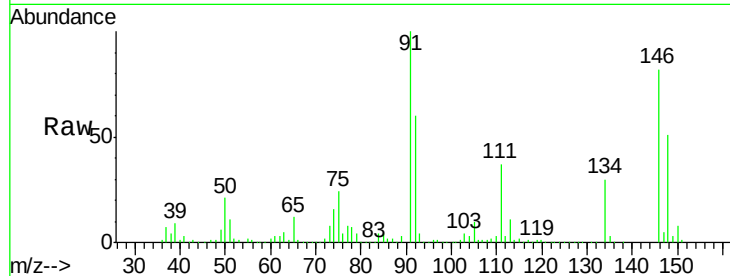
#91
 1,2-Dichlorobenzene
 Concen: 57.367 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. -0.00 min
 Lab File: VD062853.D
 Acq: 24 Jun 2019 21:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.0	19.1	57.1
148	62.9	32.3	96.8

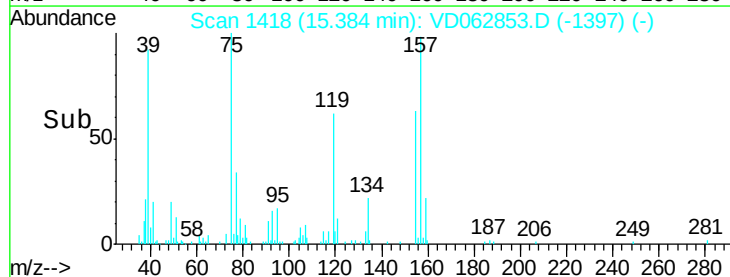
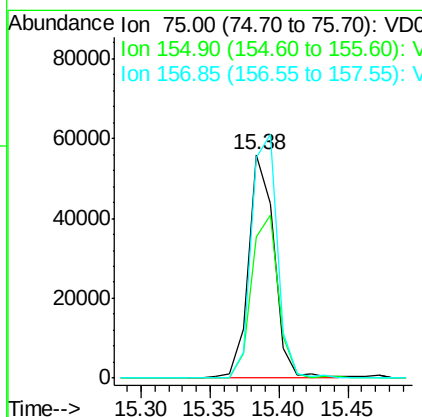
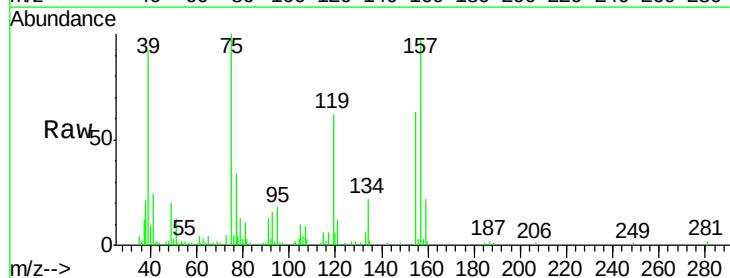
Manual Integrations
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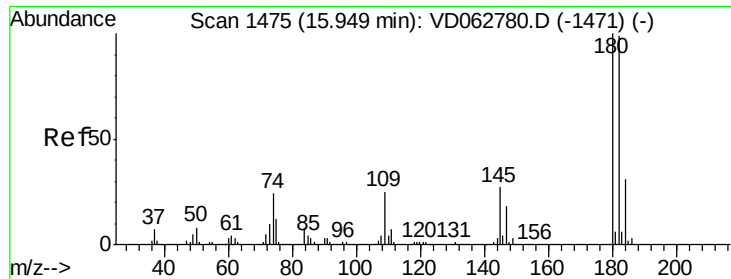
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 67.216 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.01 min
 Lab File: VD062853.D
 Acq: 24 Jun 2019 21:04

Tgt Ion	Ratio	Lower	Upper
75	100		
155	62.9	29.3	87.8
157	98.4	41.3	123.7





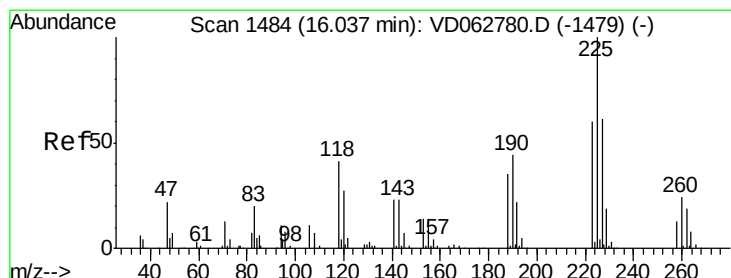
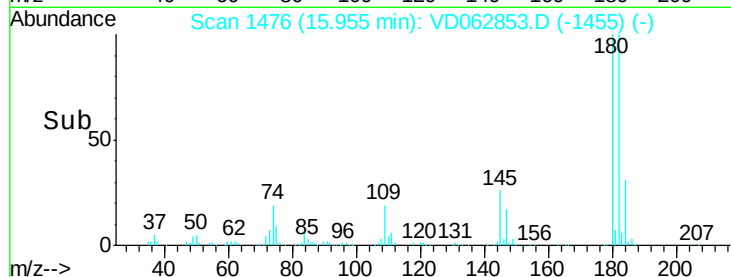
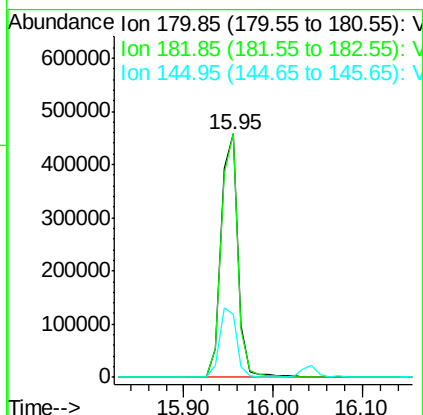
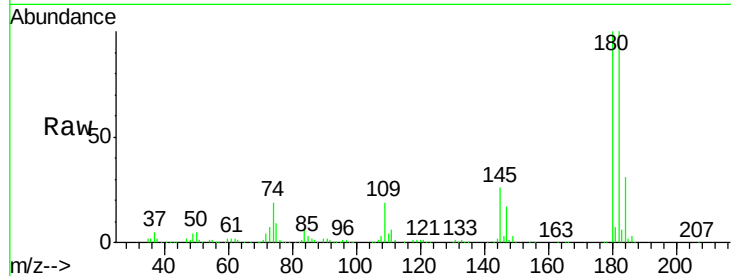
#93
 1,2,4-Trichlorobenzene
 Concen: 55.682 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD062853.D
 Acq: 24 Jun 2019 21:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	100.1	49.5	148.5
145	26.2	13.7	41.0

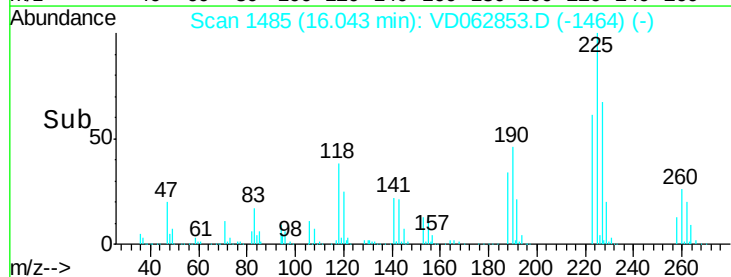
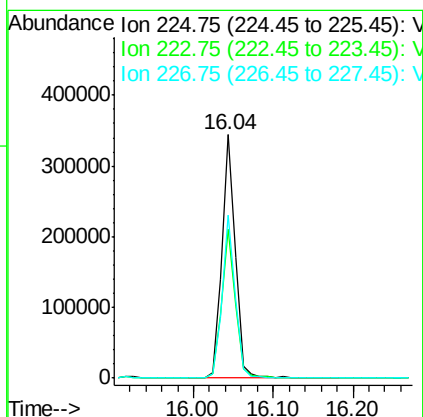
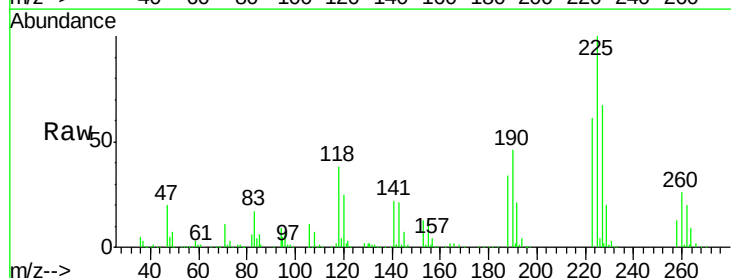
Manual Integrations
 APPROVED

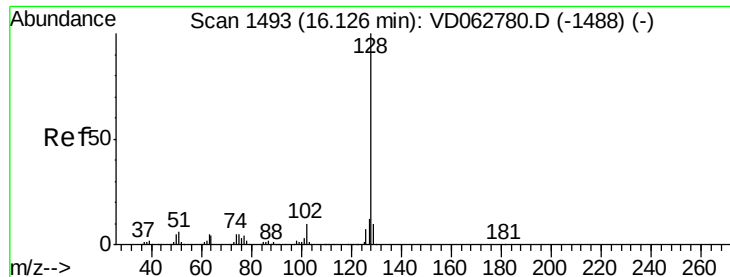
MMDadoda
 6/25/2019 9:59:56 AM



#94
 Hexachlorobutadiene
 Concen: 49.071 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD062853.D
 Acq: 24 Jun 2019 21:04

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.1	29.8	89.5
227	67.1	30.6	91.6





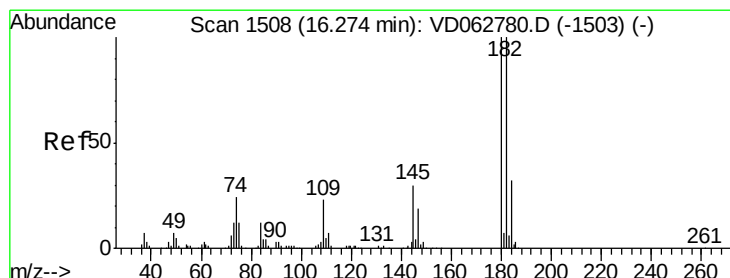
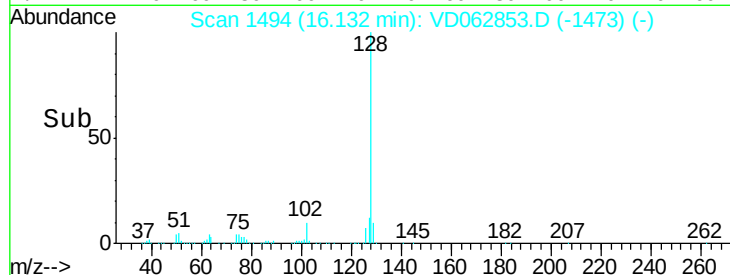
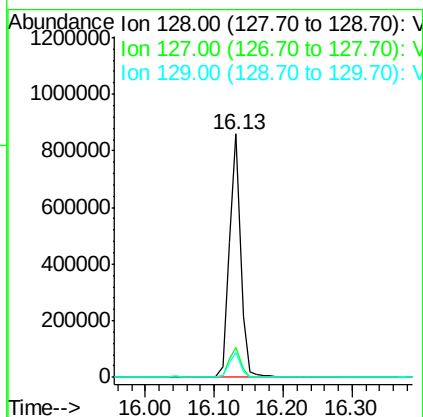
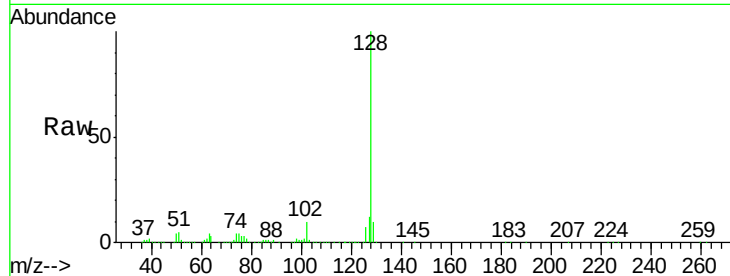
#95
Naphthalene
Concen: 63.350 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VD062853.D
Acq: 24 Jun 2019 21:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	977581		
127	12.3		9.7	14.5
129	10.3		8.3	12.5

Manual Integrations
APPROVED

MMDadoda
6/25/2019 9:59:56 AM



#96
1,2,3-Trichlorobenzene
Concen: 56.786 ug/l
RT: 16.28 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VD062853.D
Acq: 24 Jun 2019 21:04

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	480370		
182	97.0		49.9	149.6
145	29.2		15.2	45.5

