

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072219\
 Data File : VD063188.D
 Acq On : 22 Jul 2019 20:25
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/23/2019 10:40:06 AM

Quant Time: Jul 23 08:51:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 08:11:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	709501	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.23	114	995565	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	818653	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.53	152	486986	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	427695	48.39	ug/l	0.01
Spiked Amount 50.000			Recovery	=	96.78%	
35) Dibromofluoromethane	6.94	113	472440	47.64	ug/l	0.02
Spiked Amount 50.000			Recovery	=	95.28%	
50) Toluene-d8	10.42	98	961556	45.14	ug/l	0.02
Spiked Amount 50.000			Recovery	=	90.28%	
62) 4-Bromofluorobenzene	13.56	95	469624	47.66	ug/l	0.01
Spiked Amount 50.000			Recovery	=	95.32%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.57	85	333722	44.236	ug/l	100
3) Chloromethane	1.75	50	293985	45.469	ug/l #	89
4) Vinyl Chloride	1.85	62	291196	38.455	ug/l	99
5) Bromomethane	2.15	94	156914	54.664	ug/l	95
6) Chloroethane	2.27	64	155224	44.129	ug/l #	83
7) Trichlorofluoromethane	2.54	101	619917	40.441	ug/l	99
8) Diethyl Ether	2.88	74	92158	42.739	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.15	101	366870	41.506	ug/l	94
10) Methyl Iodide	3.30	142	479456	44.184	ug/l	98
11) Tert butyl alcohol	4.09	59	91671	179.725	ug/l #	90
12) 1,1-Dichloroethene	3.14	96	268187	42.727	ug/l	93
13) Acrolein	3.05	56	9735	63.237	ug/l	91
14) Allyl chloride	3.63	41	422821	42.862	ug/l	99
15) Acrylonitrile	4.21	53	247452	219.470	ug/l	100
16) Acetone	3.23	43	371806	174.174	ug/l	99
17) Carbon Disulfide	3.38	76	680183	37.859	ug/l	99
18) Methyl Acetate	3.65	43	148045	51.834	ug/l #	83
19) Methyl tert-butyl Ether	4.25	73	668248	42.175	ug/l	97
20) Methylene Chloride	3.83	84	314806	39.035	ug/l	95
21) trans-1,2-Dichloroethene	4.23	96	312828	44.896	ug/l	85
22) Diisopropyl ether	5.14	45	955175	44.535	ug/l	96
23) Vinyl Acetate	5.07	43	2814468	224.923	ug/l	99
24) 1,1-Dichloroethane	5.00	63	598730	45.319	ug/l	97
25) 2-Butanone	6.09	43	404006	198.193	ug/l #	92
26) 2,2-Dichloropropane	6.04	77	592746	40.539	ug/l	91
27) cis-1,2-Dichloroethene	6.05	96	357937	45.158	ug/l	91
28) Bromochloromethane	6.45	49	221877	46.291	ug/l	97
29) Tetrahydrofuran	6.47	42	191803	207.569	ug/l	99
30) Chloroform	6.68	83	740117	45.487	ug/l	96
31) Cyclohexane	6.97	56	341344	40.570	ug/l	99
32) 1,1,1-Trichloroethane	6.89	97	728961	45.434	ug/l	98
36) 1,1-Dichloropropene	7.15	75	449309	40.128	ug/l	93
37) Ethyl Acetate	6.19	43	193249	40.328	ug/l	100
38) Carbon Tetrachloride	7.12	117	656425m	38.582	ug/l	

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072219\
 Data File : VD063188.D
 Acq On : 22 Jul 2019 20:25
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/23/2019 10:40:06 AM

Quant Time: Jul 23 08:51:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 08:11:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	357471	36.928	ug/l	96
40) Benzene	7.47	78	1014449	43.258	ug/l	98
41) Methacrylonitrile	6.45	41	254016	39.099	ug/l	93
42) 1,2-Dichloroethane	7.59	62	513380	41.091	ug/l	99
43) Isopropyl Acetate	9.25	43	253675	36.932	ug/l	91
44) Trichloroethene	8.55	130	401756	44.329	ug/l	99
45) 1,2-Dichloropropane	8.94	63	247147	42.270	ug/l	89
46) Dibromomethane	9.07	93	198011	39.410	ug/l	90
47) Bromodichloromethane	9.39	83	563475	42.977	ug/l #	91
48) Methyl methacrylate	9.13	41	182365	40.430	ug/l #	92
49) 1,4-Dioxane	9.09	88	32823	843.771	ug/l #	90
51) 4-Methyl-2-Pentanone	10.31	43	935064	205.254	ug/l	99
52) Toluene	10.52	92	642335	41.018	ug/l	100
53) t-1,3-Dichloropropene	10.92	75	438480	39.035	ug/l	100
54) cis-1,3-Dichloropropene	10.05	75	473066	40.730	ug/l	92
55) 1,1,2-Trichloroethane	11.20	97	242303	44.773	ug/l	95
56) Ethyl methacrylate	11.05	69	258511	42.753	ug/l	95
57) 1,3-Dichloropropane	11.42	76	341890	41.518	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.87	63	748125	222.208	ug/l	95
59) 2-Hexanone	11.53	43	650805	185.237	ug/l	98
60) Dibromochloromethane	11.69	129	432786	41.719	ug/l	94
61) 1,2-Dibromoethane	11.81	107	276674	42.711	ug/l	93
64) Tetrachloroethene	11.27	164	347573	43.755	ug/l	95
65) Chlorobenzene	12.40	112	815477	42.375	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.52	131	386910	43.365	ug/l	98
67) Ethyl Benzene	12.53	91	1414563	42.305	ug/l	98
68) m/p-Xylenes	12.68	106	937463	78.277	ug/l	96
69) o-Xylene	13.05	106	442472	38.964	ug/l	87
70) Styrene	13.08	104	821551	41.331	ug/l	97
71) Bromoform	13.24	173	280453	44.898	ug/l	99
73) Isopropylbenzene	13.40	105	1539964	40.947	ug/l	96
74) N-amyl acetate	13.27	43	366380	34.931	ug/l	94
75) 1,1,2,2-Tetrachloroethane	13.70	83	255076	37.277	ug/l	95
76) 1,2,3-Trichloropropane	13.74	75	275908	36.831	ug/l	97
77) Bromobenzene	13.67	156	414029	38.821	ug/l	87
78) n-propylbenzene	13.78	91	1586665	36.661	ug/l	99
79) 2-Chlorotoluene	13.85	91	959879	36.682	ug/l	90
80) 1,3,5-Trimethylbenzene	13.94	105	1275287	38.907	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.47	75	69081	35.018	ug/l	88
82) 4-Chlorotoluene	13.95	91	1259518	41.219	ug/l	86
83) tert-Butylbenzene	14.19	119	1311554	35.388	ug/l	88
84) 1,2,4-Trimethylbenzene	14.24	105	1259208	38.534	ug/l	97
85) sec-Butylbenzene	14.37	105	1496358	38.000	ug/l	98
86) p-Isopropyltoluene	14.50	119	1414042	38.494	ug/l	98
87) 1,3-Dichlorobenzene	14.46	146	682382	35.827	ug/l	96
88) 1,4-Dichlorobenzene	14.54	146	760695	41.660	ug/l	95
89) n-Butylbenzene	14.80	91	1326699	39.184	ug/l	99
90) Hexachloroethane	15.01	117	384406	39.145	ug/l	82
91) 1,2-Dichlorobenzene	14.81	146	671214	39.576	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	50895	38.804	ug/l	90

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072219\
Data File : VD063188.D
Acq On : 22 Jul 2019 20:25
Operator : VA/AP
Sample : VSTDCCC050
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

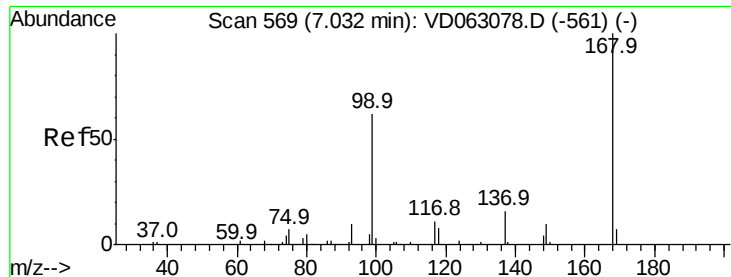
Manual Integrations
APPROVED

MMDadoda
7/23/2019 10:40:06 AM

Quant Time: Jul 23 08:51:34 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 16 08:11:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	491147	38.546	ug/l	96
94) Hexachlorobutadiene	16.04	225	372723	39.686	ug/l	98
95) Naphthalene	16.12	128	741570	39.787	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	400767	39.099	ug/l	97

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



#1

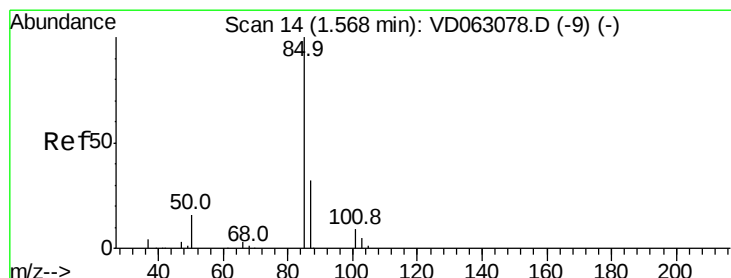
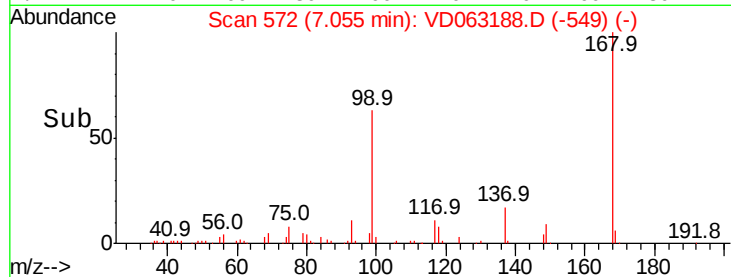
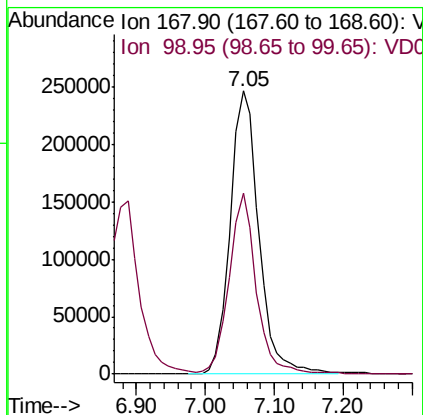
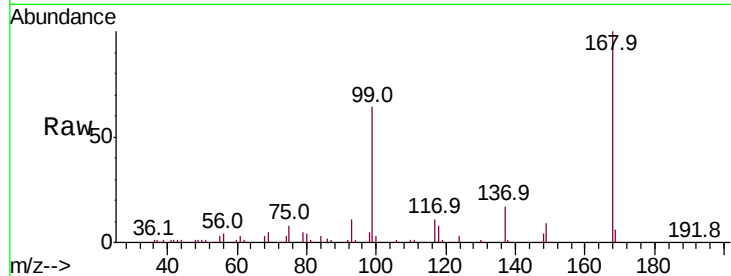
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.05 min Scan# 572
 Delta R.T. 0.02 min
 Lab File: VD063188.D
 Acq: 22 Jul 2019 20:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
168	100		
99	63.9	50.8	76.2

Manual Integrations
 APPROVED

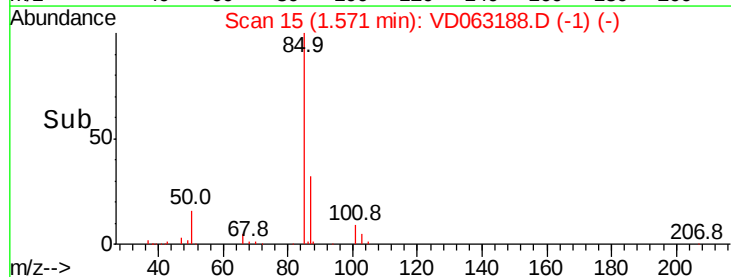
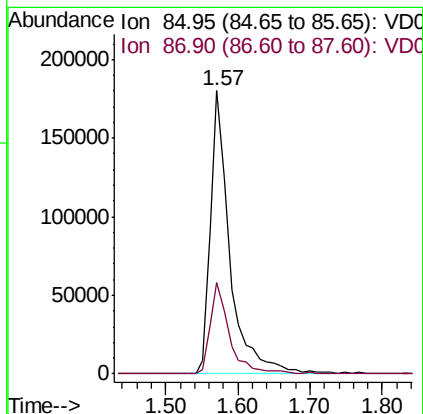
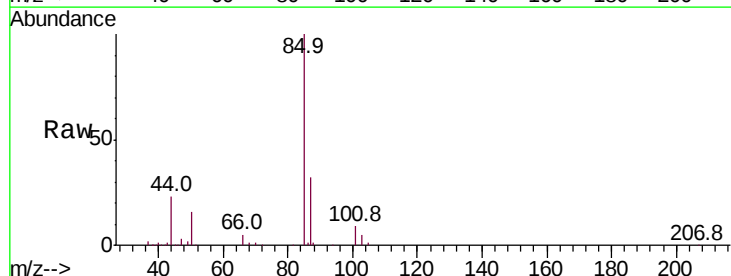
MMDadoda
 7/23/2019 10:40:06 AM

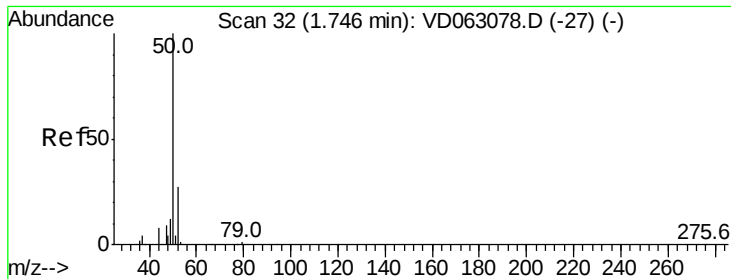


#2

Dichlorodifluoromethane
 Concen: 44.236 ug/l
 RT: 1.57 min Scan# 15
 Delta R.T. 0.00 min
 Lab File: VD063188.D
 Acq: 22 Jul 2019 20:25

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.1	15.9	47.7





#3

Chloromethane

Concen: 45.469 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.00 min

Lab File: VD063188.D

Acq: 22 Jul 2019 20:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 293985

Ion Ratio Lower Upper

50 100

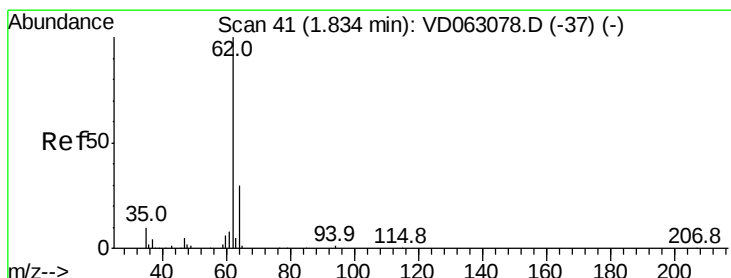
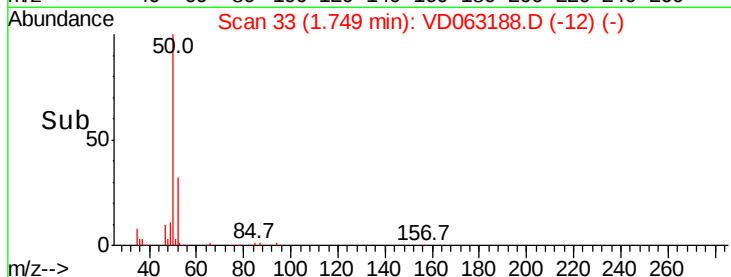
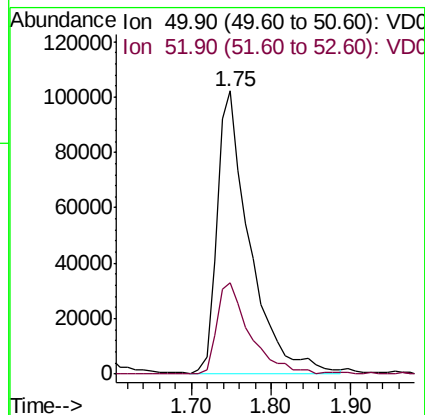
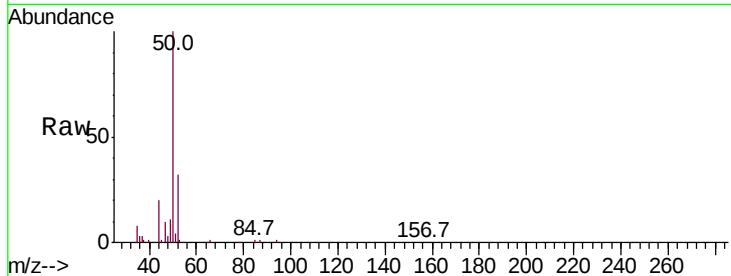
52 32.5 21.4 32.2#

Manual Integrations

APPROVED

MMDadoda

7/23/2019 10:40:06 AM



#4

Vinyl Chloride

Concen: 38.455 ug/l

RT: 1.85 min Scan# 43

Delta R.T. 0.01 min

Lab File: VD063188.D

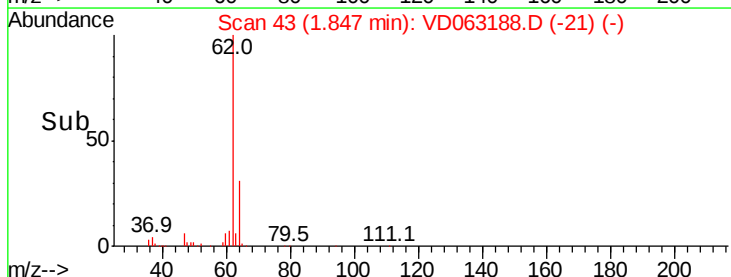
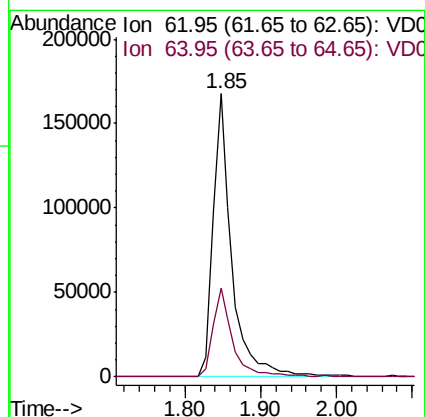
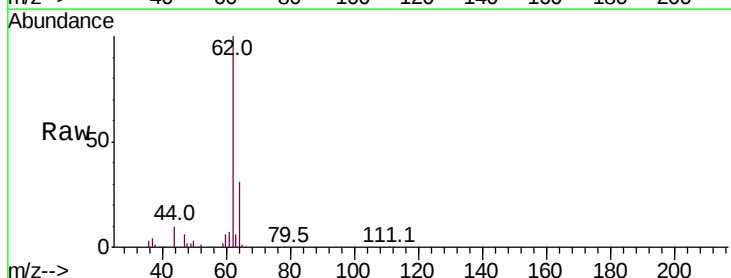
Acq: 22 Jul 2019 20:25

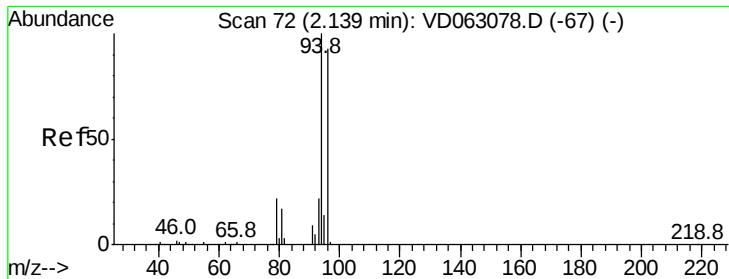
Tgt Ion: 62 Resp: 291196

Ion Ratio Lower Upper

62 100

64 31.2 24.4 36.6





#5

Bromomethane

Concen: 54.664 ug/l

RT: 2.15 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD063188.D

Acq: 22 Jul 2019 20:25

Instrument :

MSVOA_D

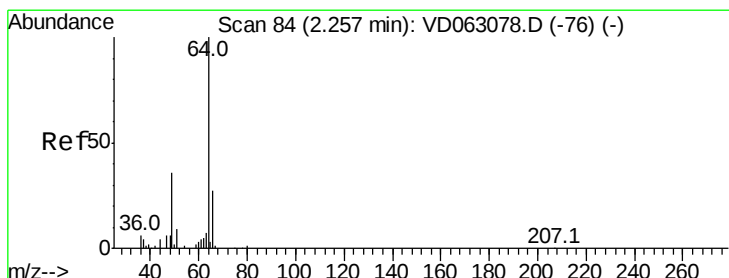
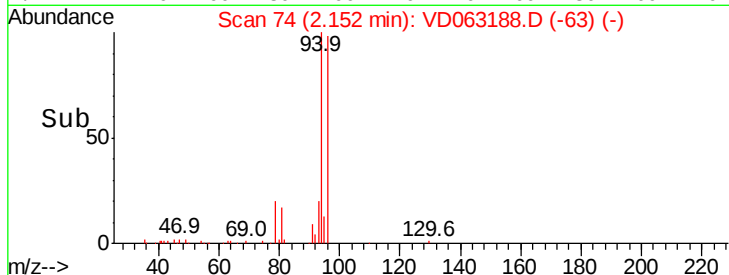
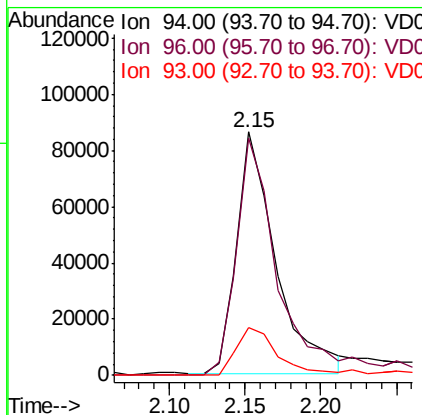
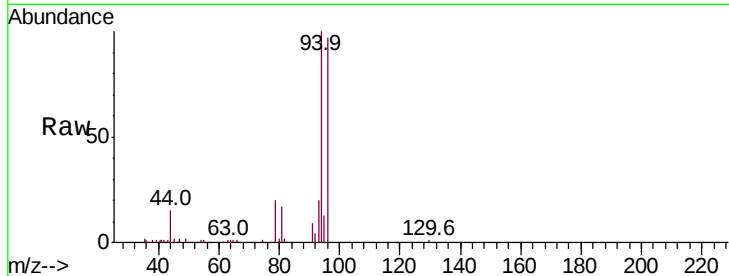
ClientSampleId :

VSTDCCC050EC

Tot Ion:	94	Resp:	156914
Ion	Ratio	Lower	Upper
94	100		
96	97.5	74.2	111.2
93	19.8	17.8	26.6

Manual Integrations
APPROVED

MMDadoda
7/23/2019 10:40:06 AM



#6

Chloroethane

Concen: 44.129 ug/l

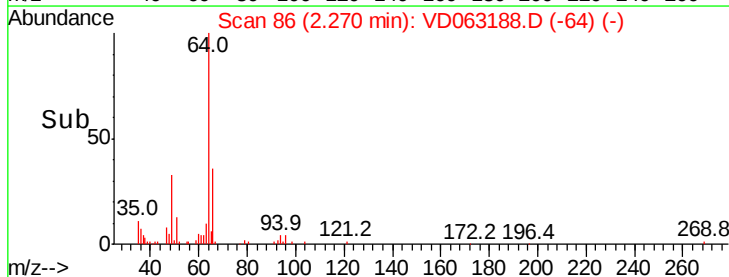
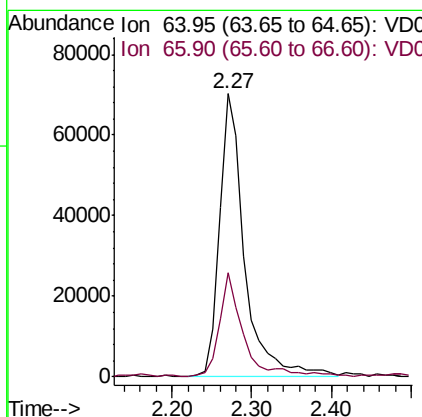
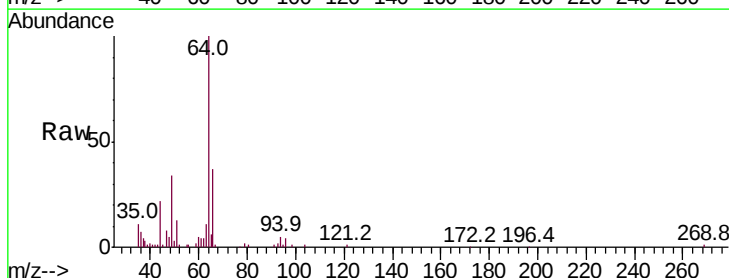
RT: 2.27 min Scan# 86

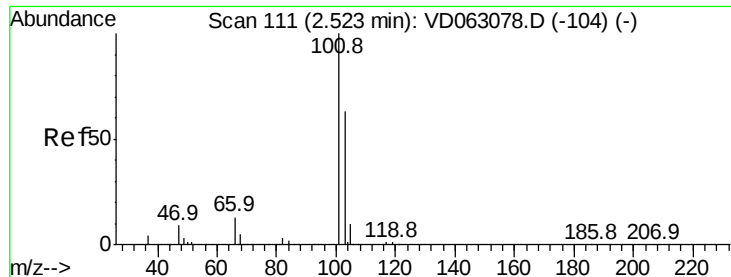
Delta R.T. 0.01 min

Lab File: VD063188.D

Acq: 22 Jul 2019 20:25

Tgt Ion:	64	Resp:	155224
Ion	Ratio	Lower	Upper
64	100		
66	36.9	22.5	33.7#





#7

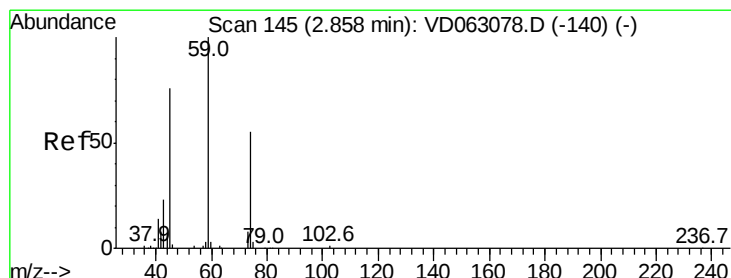
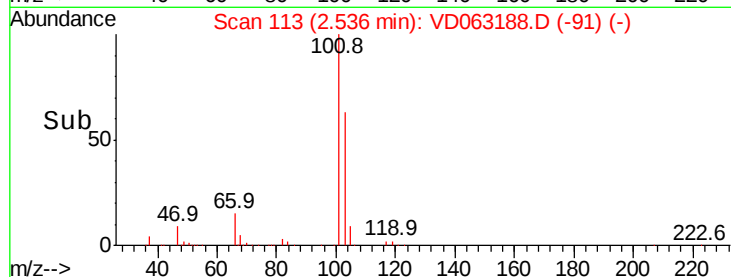
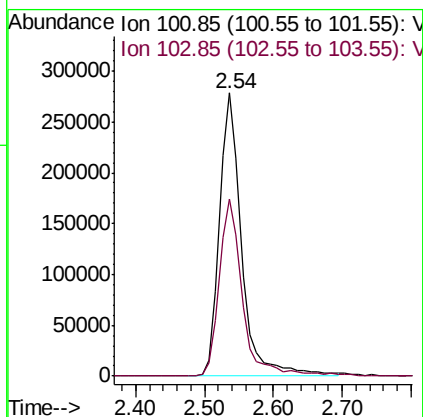
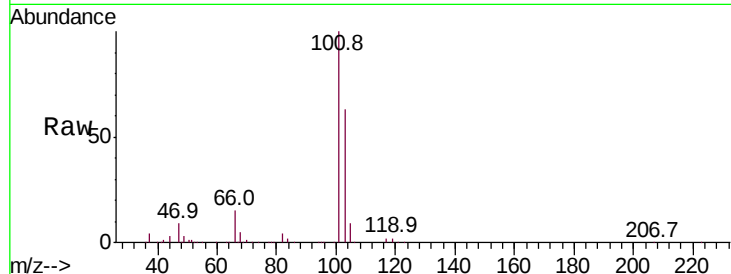
Trichlorofluoromethane
Concen: 40.441 ug/l
RT: 2.54 min Scan# 113
Delta R.T. 0.01 min
Lab File: VD063188.D
Acq: 22 Jul 2019 20:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.6	50.6	76.0

Manual Integrations
APPROVED

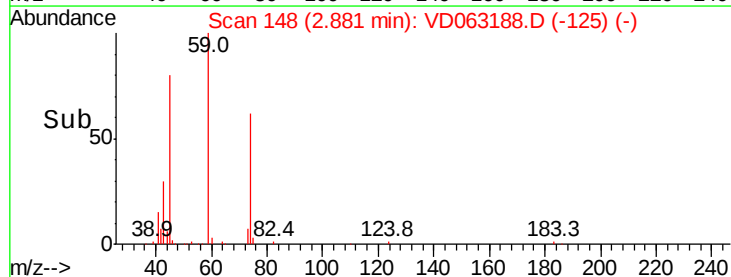
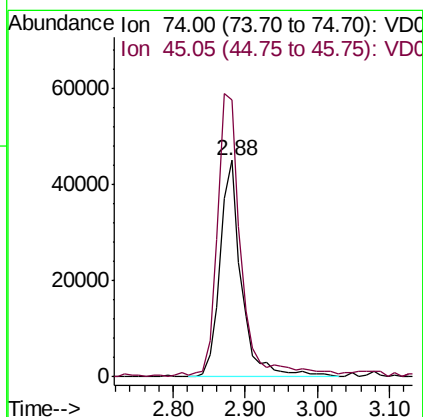
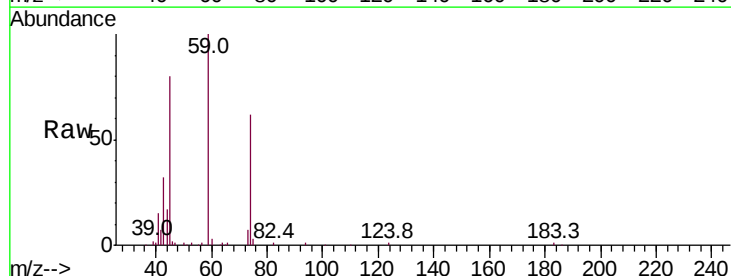
MMDadoda
7/23/2019 10:40:06 AM

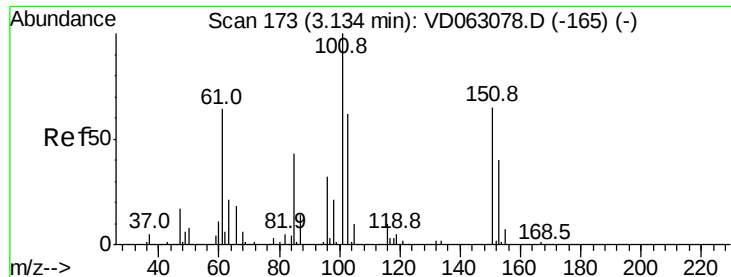


#8

Diethyl Ether
Concen: 42.739 ug/l
RT: 2.88 min Scan# 148
Delta R.T. 0.02 min
Lab File: VD063188.D
Acq: 22 Jul 2019 20:25

Tgt Ion	Ratio	Lower	Upper
74	100		
45	128.2	69.5	208.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 41.506 ug/l

RT: 3.15 min Scan# 175

Delta R.T. 0.01 min

Lab File: VD063188.D

Acq: 22 Jul 2019 20:25

Instrument :

MSVOA_D

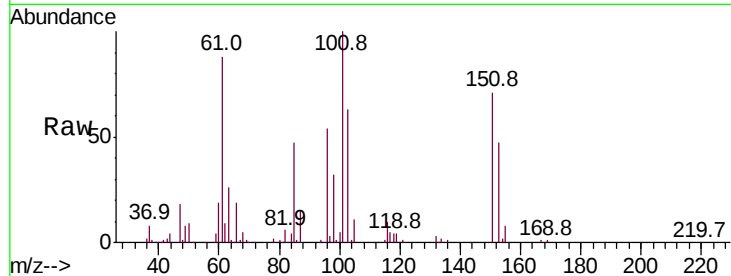
ClientSampleId :

VSTDCCC050EC

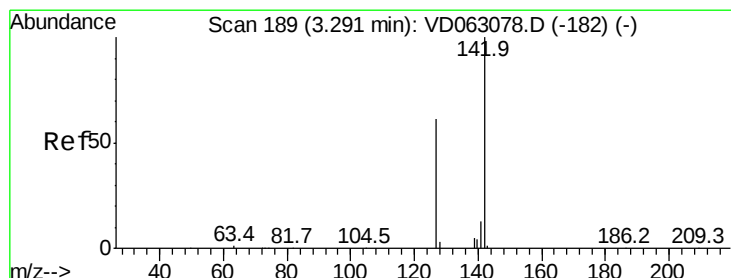
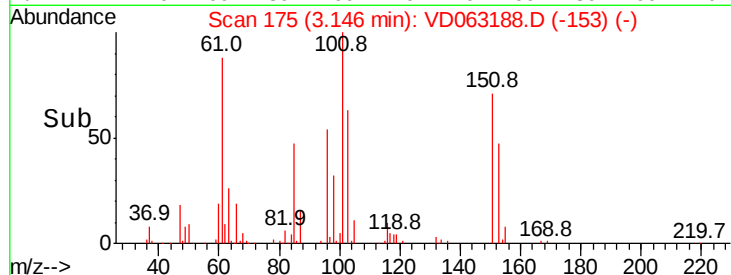
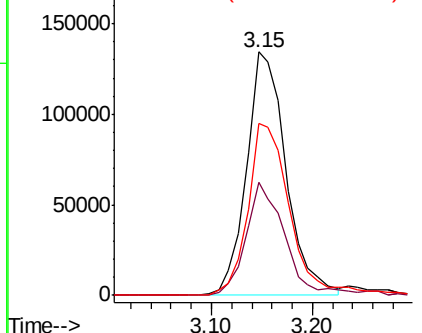
Tot Ion:	101	Resp:	366870
Ion Ratio	Lower	Upper	
101	100		
85	46.5	34.6	51.8
151	70.8	52.4	78.6

Manual Integrations
APPROVED

MMDadoda
7/23/2019 10:40:06 AM



Abundance Ion 100.85 (100.55 to 101.55): V
Ion 84.95 (84.65 to 85.65): V
Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 44.184 ug/l

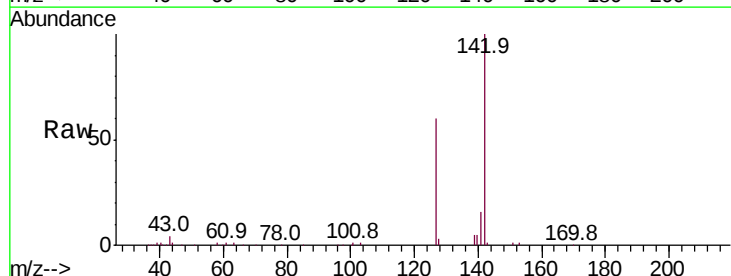
RT: 3.30 min Scan# 191

Delta R.T. 0.01 min

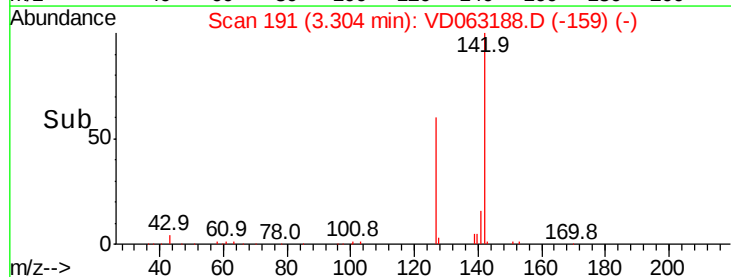
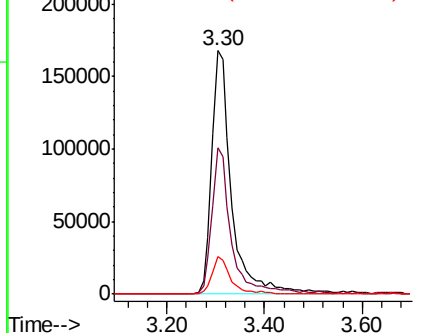
Lab File: VD063188.D

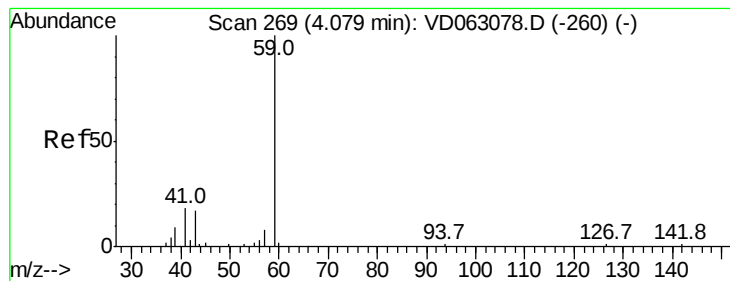
Acq: 22 Jul 2019 20:25

Tgt Ion:	142	Resp:	479456
Ion Ratio	Lower	Upper	
142	100		
127	60.3	48.6	73.0
141	15.6	10.6	16.0



Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V





#11

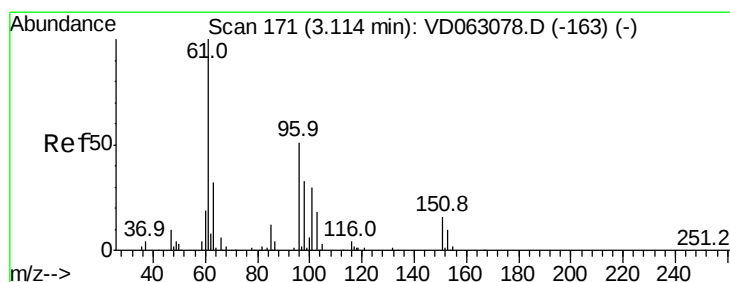
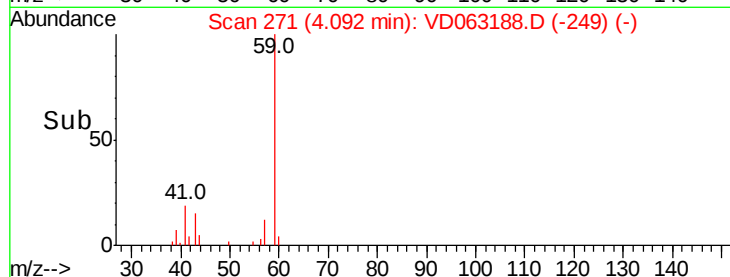
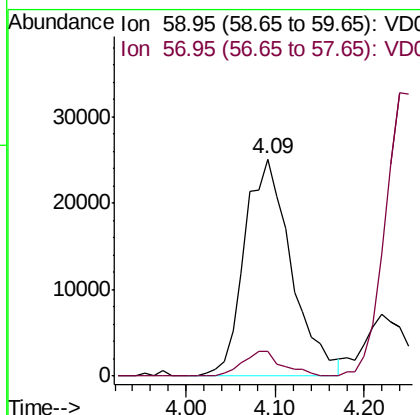
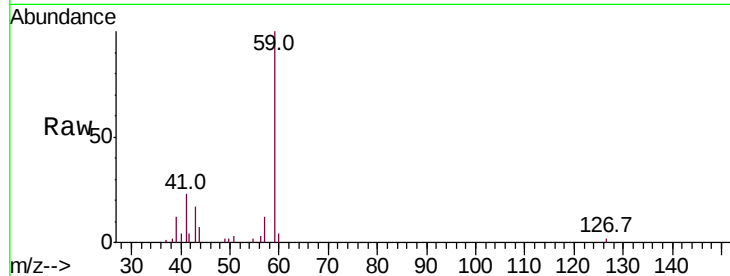
Tert butyl alcohol
Concen: 179.725 ug/l
RT: 4.09 min Scan# 271
Delta R.T. 0.01 min
Lab File: VD063188.D
Acq: 22 Jul 2019 20:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.5	6.4	9.6#

Manual Integrations
APPROVED

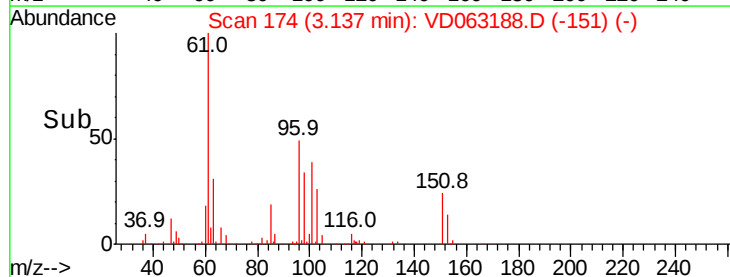
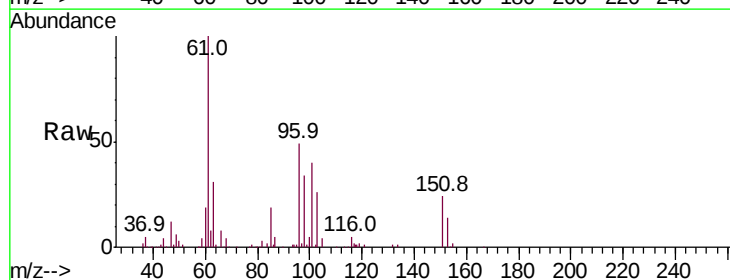
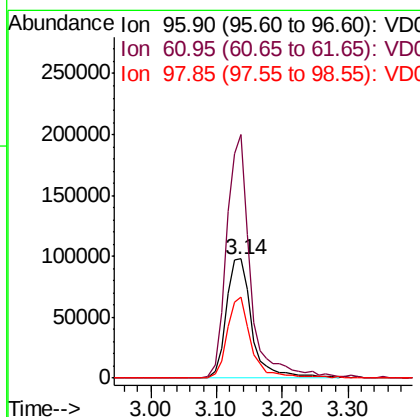
MMDadoda
7/23/2019 10:40:06 AM

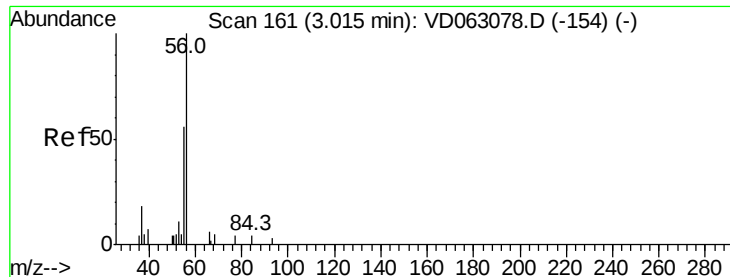


#12

1,1-Dichloroethene
Concen: 42.727 ug/l
RT: 3.14 min Scan# 174
Delta R.T. 0.02 min
Lab File: VD063188.D
Acq: 22 Jul 2019 20:25

Tgt Ion	Ratio	Lower	Upper
96	100		
61	204.9	155.5	233.3
98	68.7	51.5	77.3





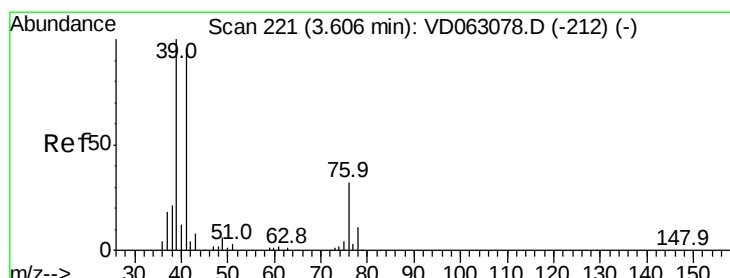
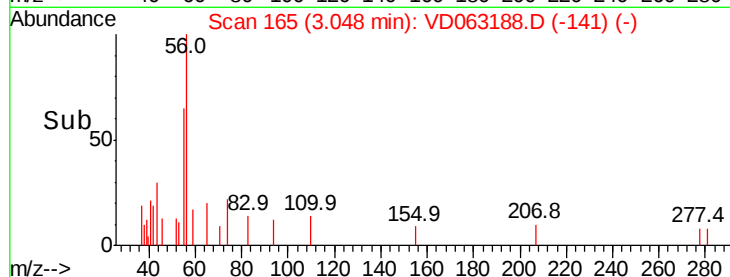
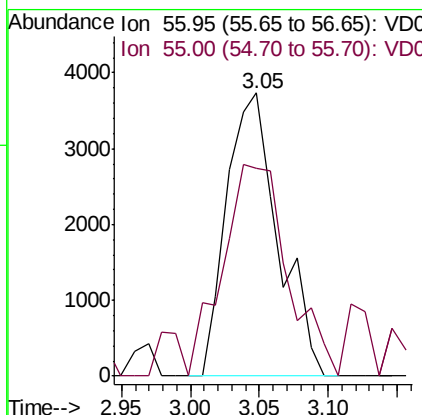
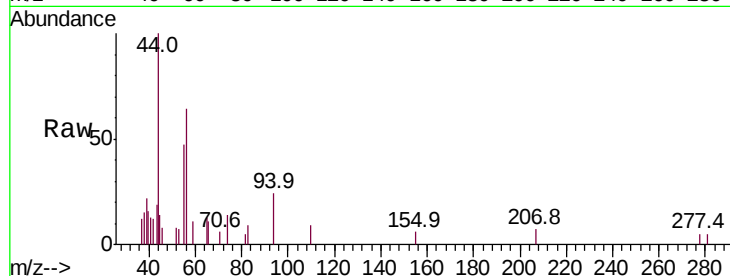
#13
Acrolein
Concen: 63.237 ug/l
RT: 3.05 min Scan# 165
Delta R.T. 0.03 min
Lab File: VD063188.D
Acq: 22 Jul 2019 20:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 9735
Ion Ratio Lower Upper
56 100
55 73.5 53.0 79.4

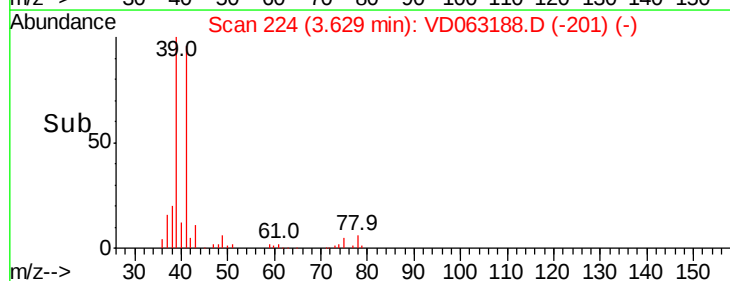
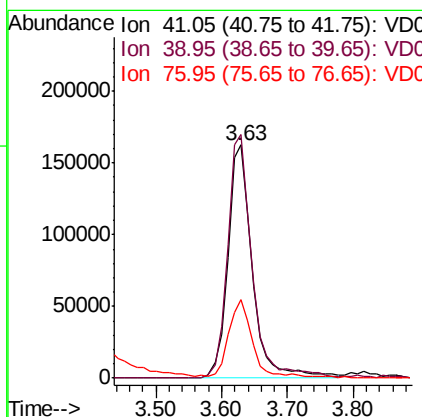
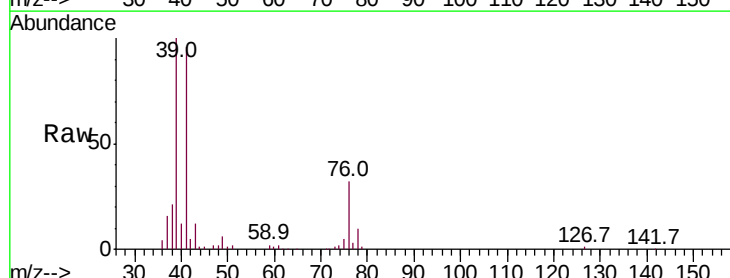
Manual Integrations
APPROVED

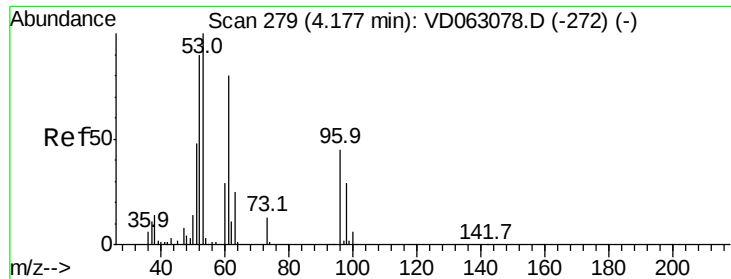
MMDadoda
7/23/2019 10:40:06 AM



#14
Allyl chloride
Concen: 42.862 ug/l
RT: 3.63 min Scan# 224
Delta R.T. 0.02 min
Lab File: VD063188.D
Acq: 22 Jul 2019 20:25

Tgt Ion: 41 Resp: 422821
Ion Ratio Lower Upper
41 100
39 104.4 83.5 125.3
76 33.7 27.8 41.8





#15

Acrylonitrile

Concen: 219.470 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.03 min

Lab File: VD063188.D

Acq: 22 Jul 2019 20:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 53 Resp: 247452

Ion Ratio Lower Upper

53 100

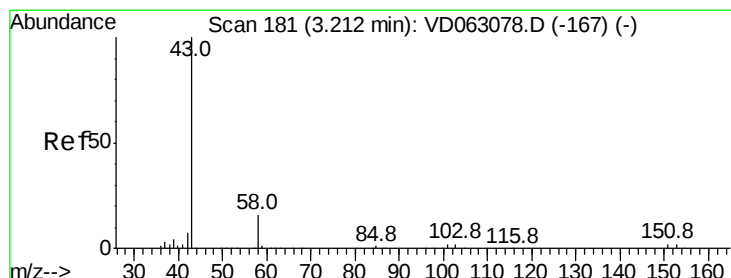
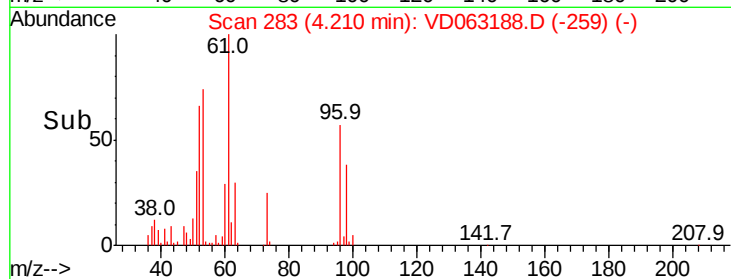
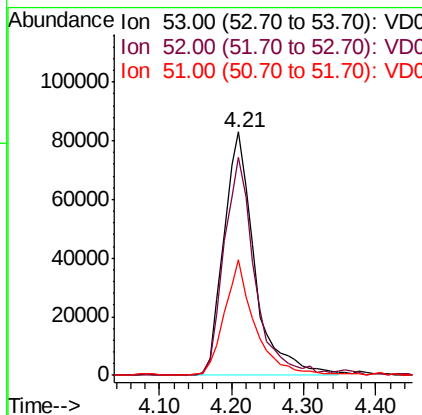
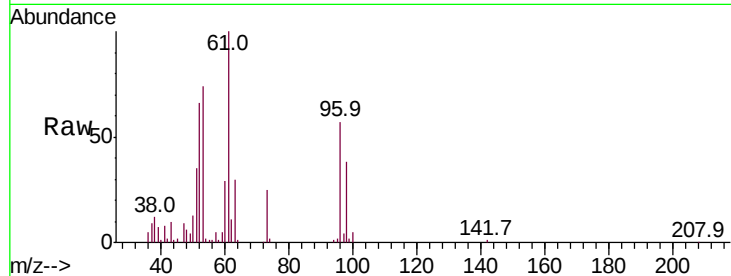
52 89.8 72.3 108.5

51 47.6 38.0 57.0

Manual Integrations
APPROVED

MMDadoda

7/23/2019 10:40:06 AM



#16

Acetone

Concen: 174.174 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.01 min

Lab File: VD063188.D

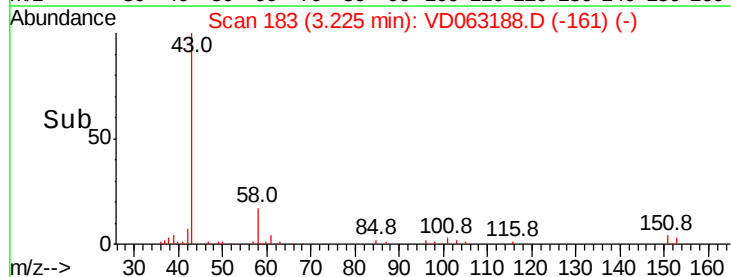
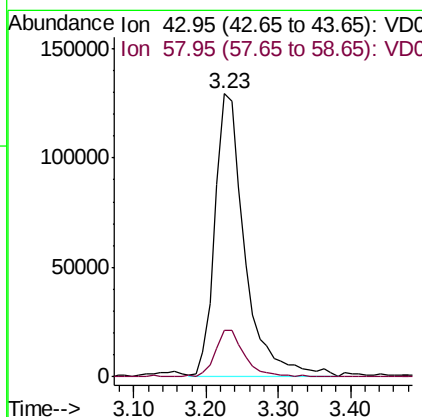
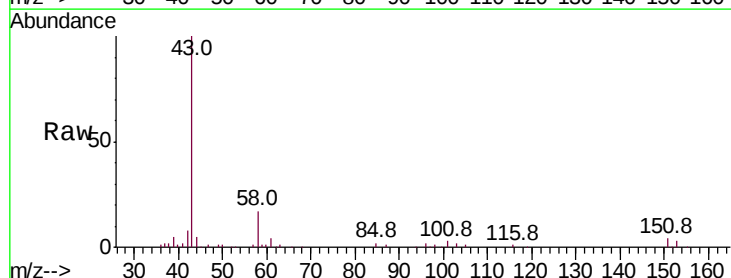
Acq: 22 Jul 2019 20:25

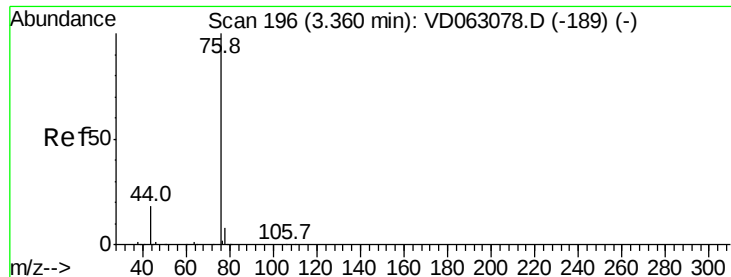
Tgt Ion: 43 Resp: 371806

Ion Ratio Lower Upper

43 100

58 16.6 13.0 19.4





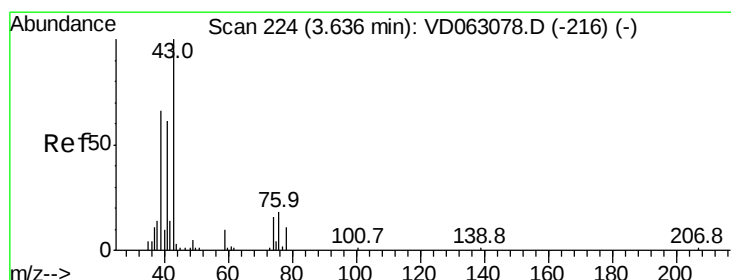
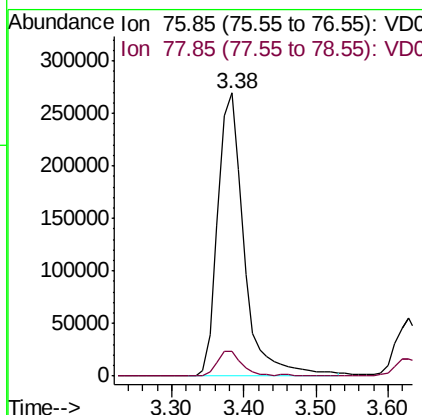
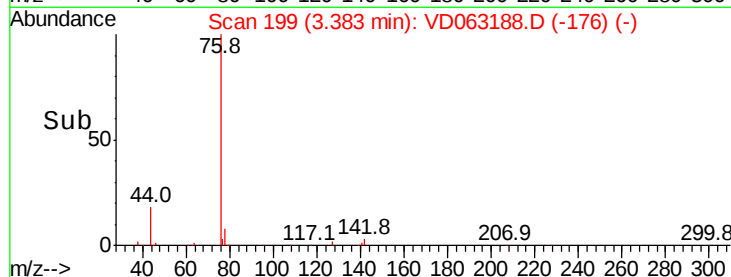
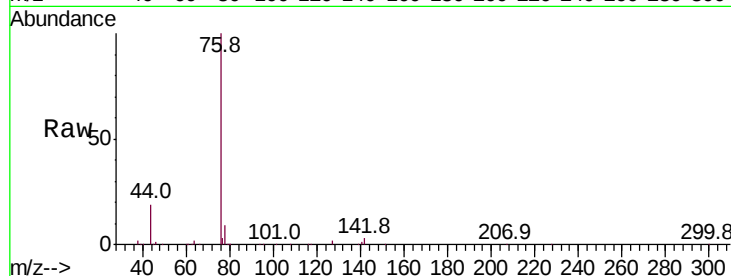
#17
Carbon Disulfide
Concen: 37.859 ug/l
RT: 3.38 min Scan# 199
Delta R.T. 0.02 min
Lab File: VD063188.D
Acq: 22 Jul 2019 20:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 680183
Ion Ratio Lower Upper
76 100
78 8.7 6.7 10.1

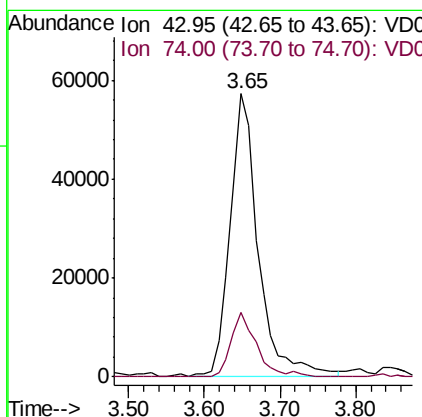
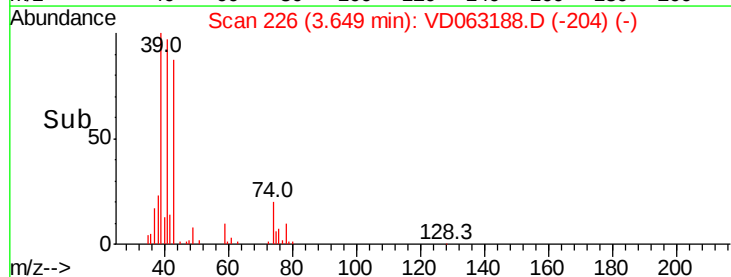
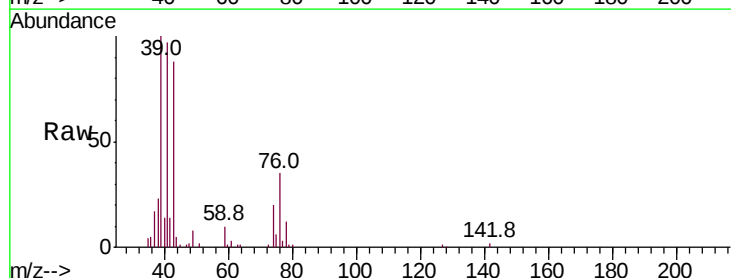
Manual Integrations
APPROVED

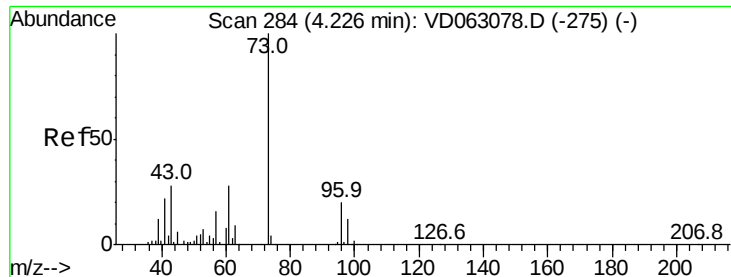
MMDadoda
7/23/2019 10:40:06 AM



#18
Methyl Acetate
Concen: 51.834 ug/l
RT: 3.65 min Scan# 226
Delta R.T. 0.01 min
Lab File: VD063188.D
Acq: 22 Jul 2019 20:25

Tgt Ion: 43 Resp: 148045
Ion Ratio Lower Upper
43 100
74 22.7 12.5 18.7#





#19

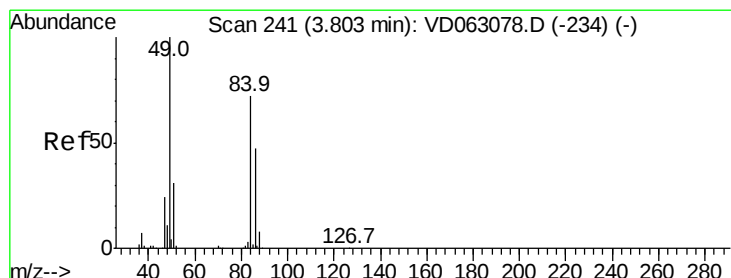
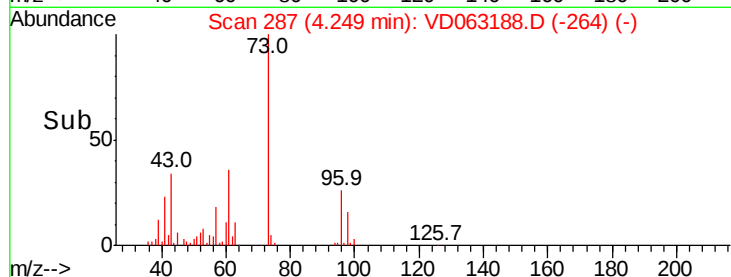
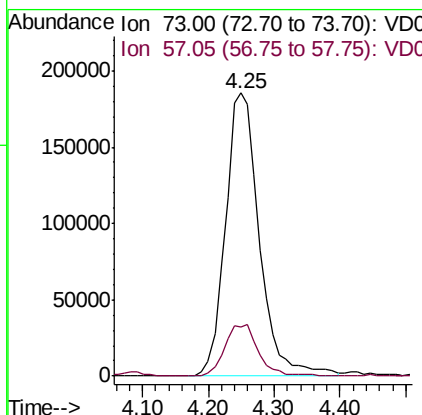
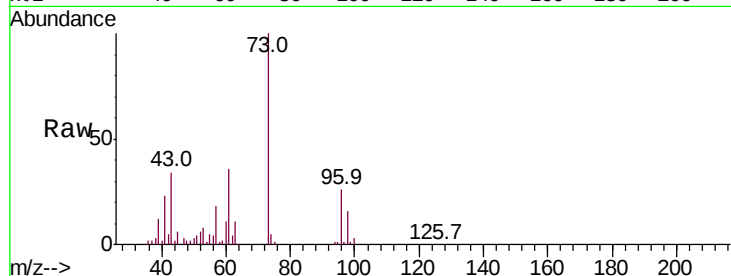
Methyl tert-butyl Ether
 Concen: 42.175 ug/l
 RT: 4.25 min Scan# 287
 Delta R.T. 0.02 min
 Lab File: VD063188.D
 Acq: 22 Jul 2019 20:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 73 Resp: 668248
 Ion Ratio Lower Upper
 73 100
 57 17.6 13.1 19.7

Manual Integrations
 APPROVED

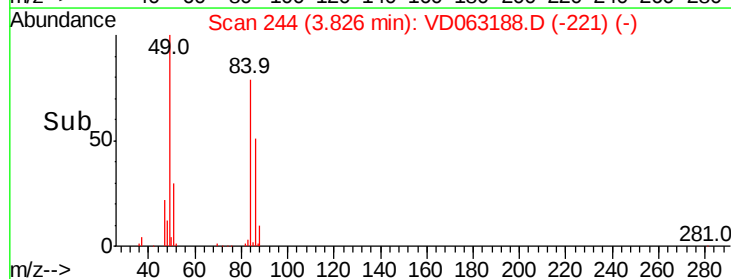
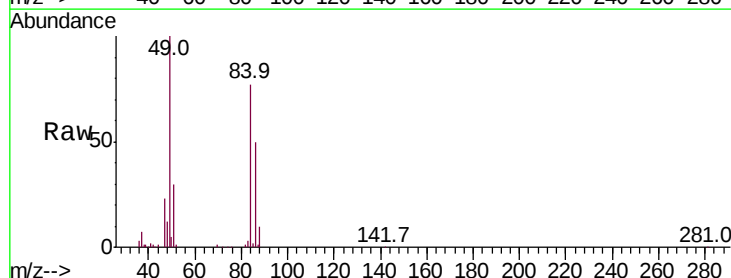
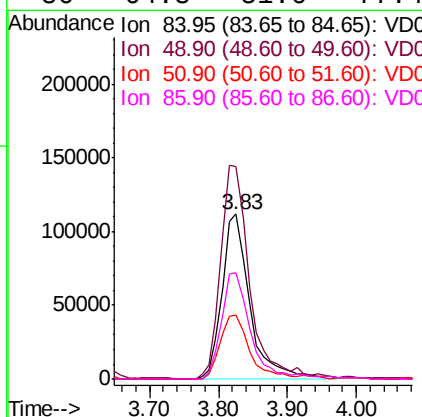
MMDadoda
 7/23/2019 10:40:06 AM

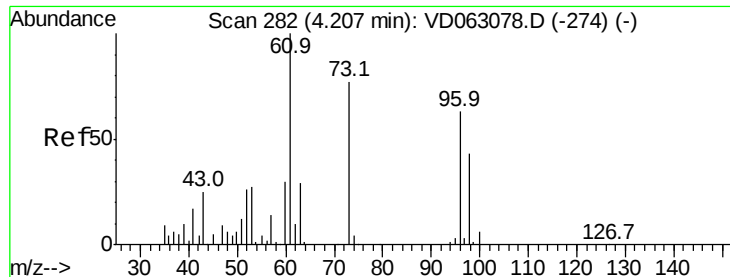


#20

Methylene Chloride
 Concen: 39.035 ug/l
 RT: 3.83 min Scan# 244
 Delta R.T. 0.02 min
 Lab File: VD063188.D
 Acq: 22 Jul 2019 20:25

Tgt Ion: 84 Resp: 314806
 Ion Ratio Lower Upper
 84 100
 49 129.1 110.5 165.7
 51 39.1 34.6 51.8
 86 64.8 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 44.896 ug/l

RT: 4.23 min Scan# 285

Delta R.T. 0.02 min

Lab File: VD063188.D

Acq: 22 Jul 2019 20:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 312828

Ion Ratio Lower Upper

96 100

61 138.5 128.0 192.0

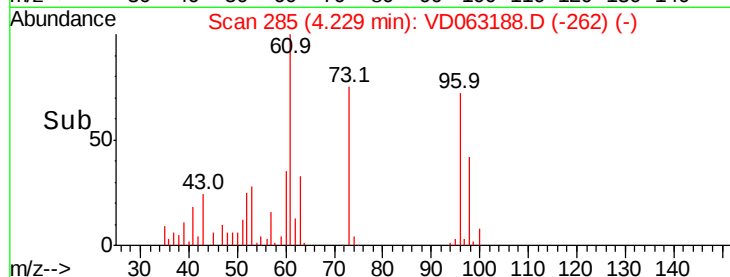
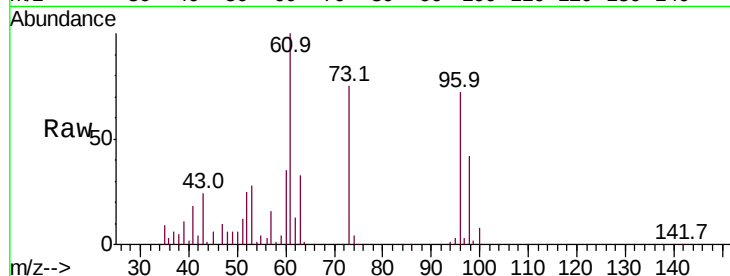
98 58.0 55.2 82.8

Manual Integrations

APPROVED

MMDadoda

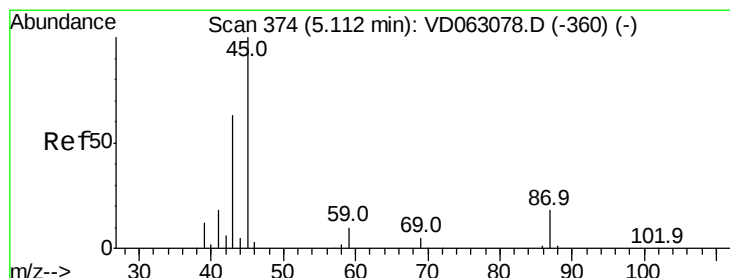
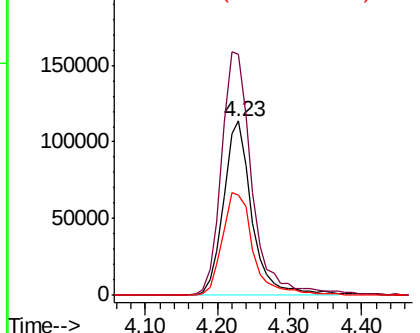
7/23/2019 10:40:06 AM



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 44.535 ug/l

RT: 5.14 min Scan# 377

Delta R.T. 0.02 min

Lab File: VD063188.D

Acq: 22 Jul 2019 20:25

Tgt Ion: 45 Resp: 955175

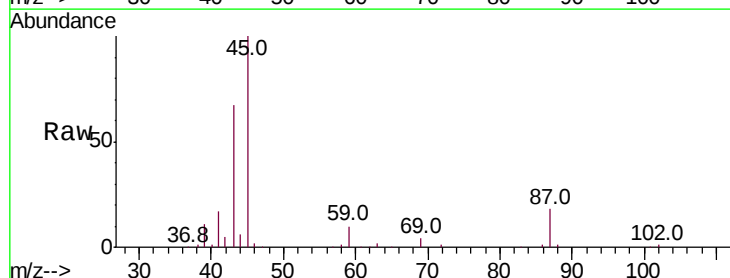
Ion Ratio Lower Upper

45 100

43 67.2 50.5 75.7

87 17.9 15.1 22.7

59 10.1 7.6 11.4

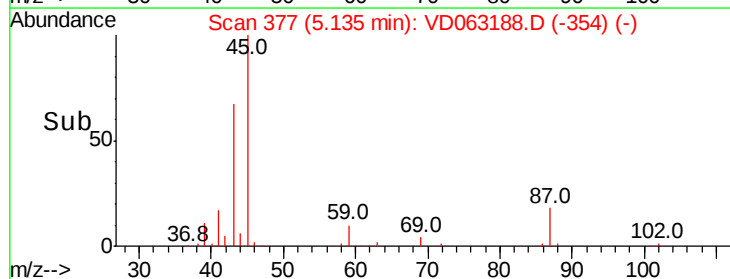
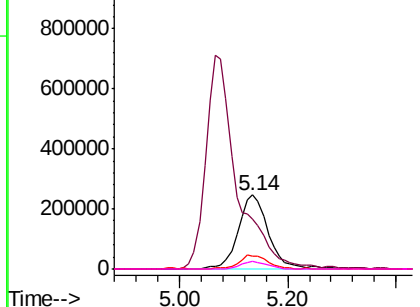


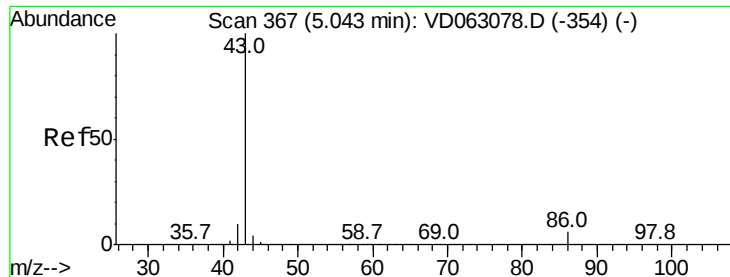
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 224.923 ug/l

RT: 5.07 min Scan# 370

Delta R.T. 0.02 min

Lab File: VD063188.D

Acq: 22 Jul 2019 20:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2814468

Ion Ratio Lower Upper

43 100

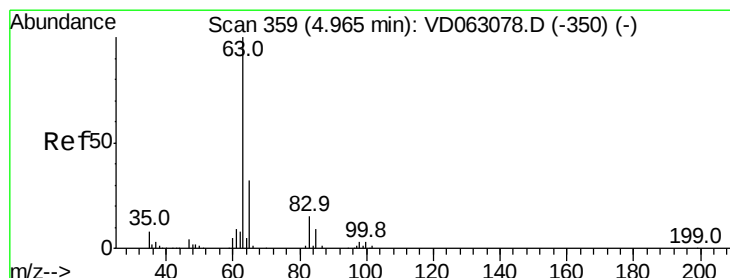
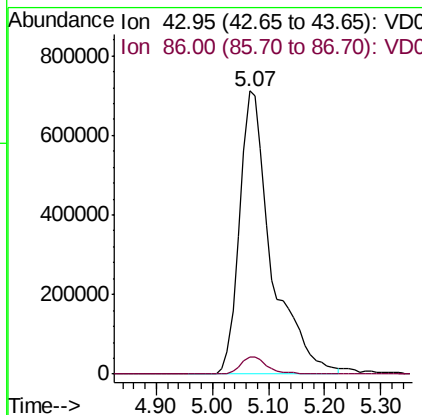
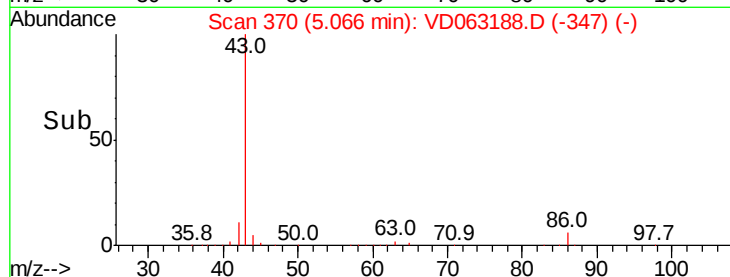
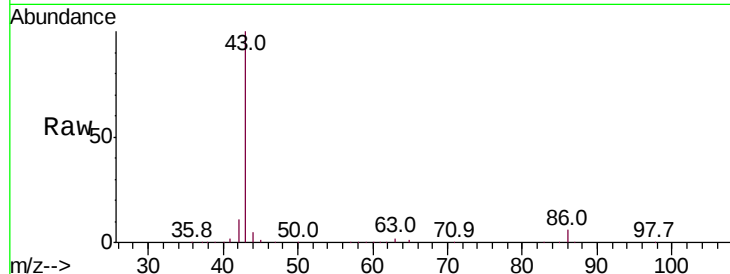
86 6.1 5.0 7.6

Manual Integrations

APPROVED

MMDadoda

7/23/2019 10:40:06 AM



#24

1,1-Dichloroethane

Concen: 45.319 ug/l

RT: 5.00 min Scan# 363

Delta R.T. 0.03 min

Lab File: VD063188.D

Acq: 22 Jul 2019 20:25

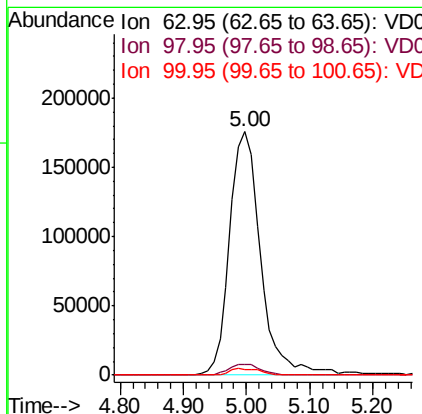
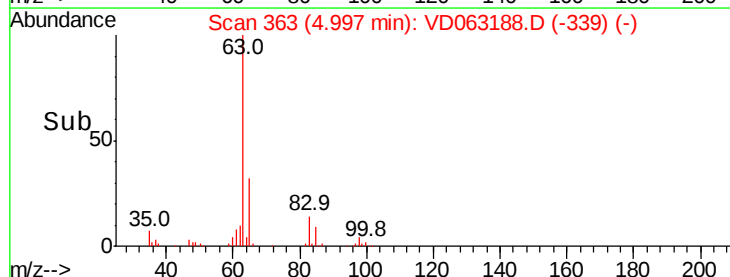
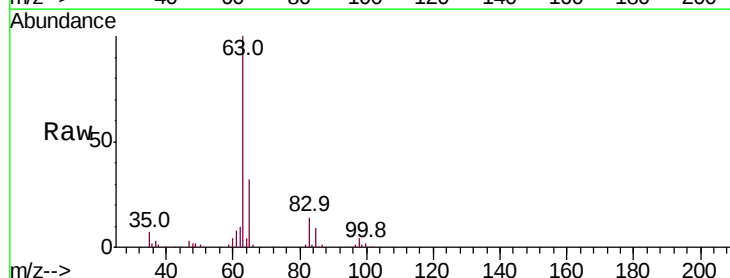
Tgt Ion: 63 Resp: 598730

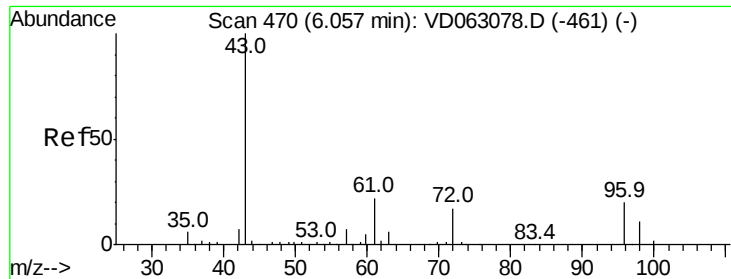
Ion Ratio Lower Upper

63 100

98 4.3 1.7 5.1

100 2.2 1.5 4.5





#25

2-Butanone

Concen: 198.193 ug/l

RT: 6.09 min Scan# 474

Delta R.T. 0.03 min

Lab File: VD063188.D

Acq: 22 Jul 2019 20:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 404006

Ion Ratio Lower Upper

43 100

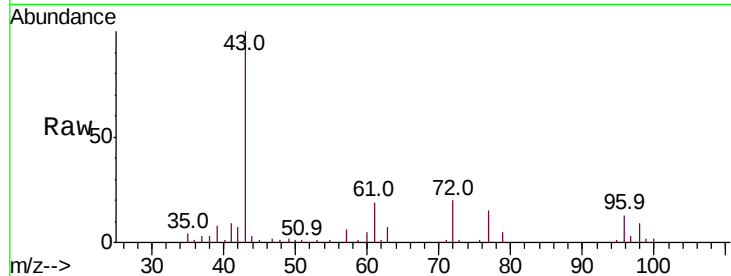
72 20.0 13.4 20.0#

Manual Integrations

APPROVED

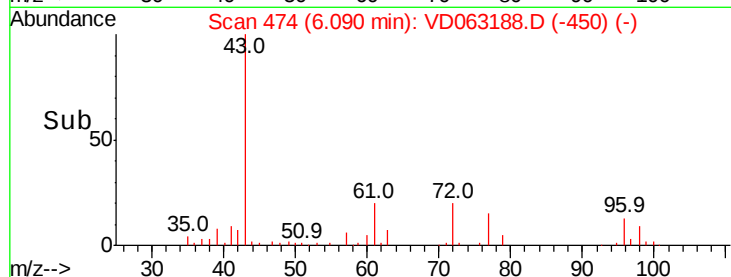
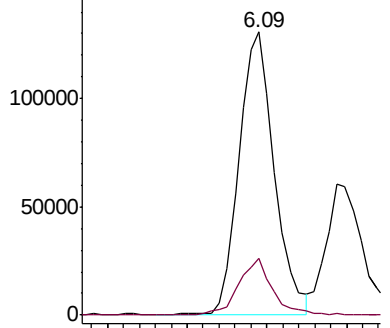
MMDadoda

7/23/2019 10:40:06 AM

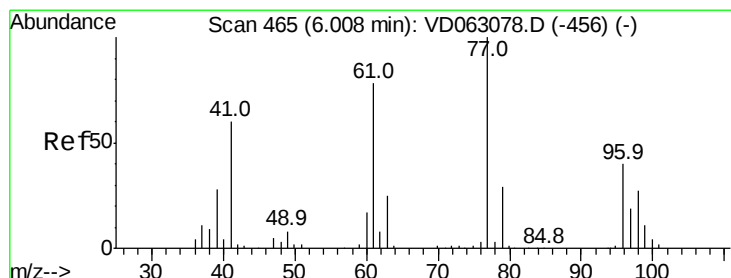


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



Time-->



#26

2,2-Dichloropropane

Concen: 40.539 ug/l

RT: 6.04 min Scan# 469

Delta R.T. 0.03 min

Lab File: VD063188.D

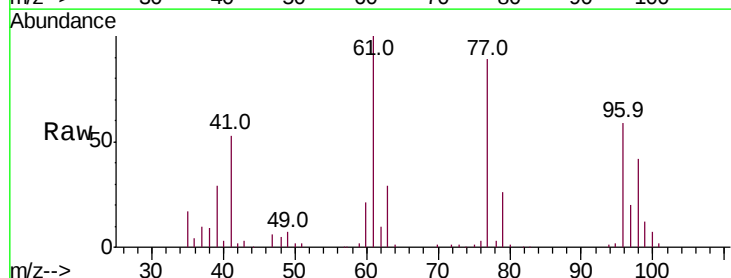
Acq: 22 Jul 2019 20:25

Tgt Ion: 77 Resp: 592746

Ion Ratio Lower Upper

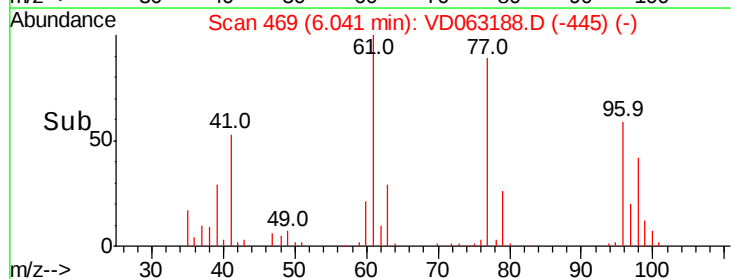
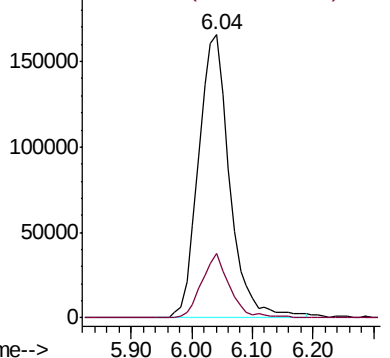
77 100

97 22.7 9.3 27.9

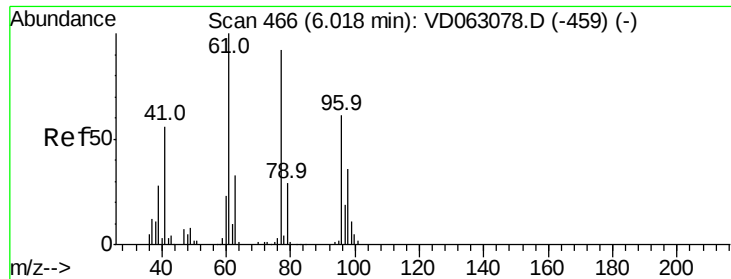


Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



Time-->



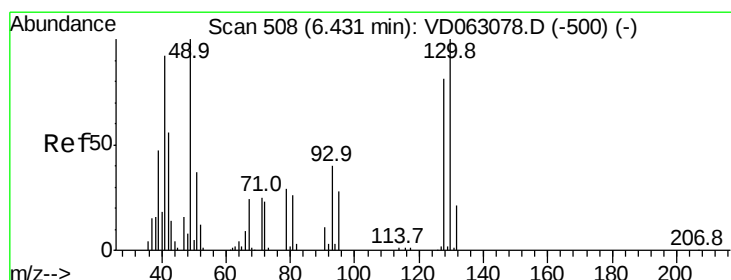
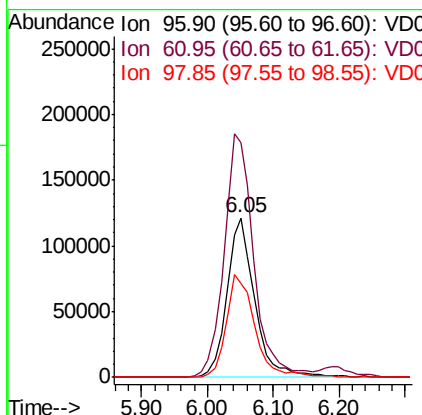
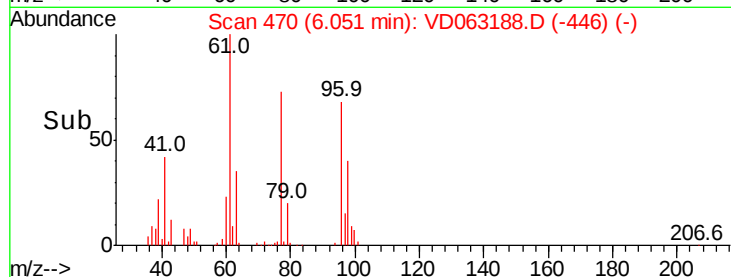
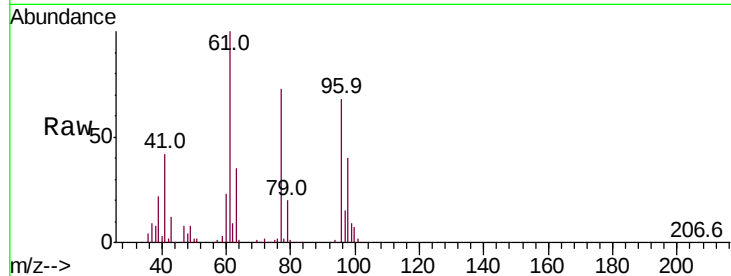
#27
 cis-1,2-Dichloroethene
 Concen: 45.158 ug/l
 RT: 6.05 min Scan# 470
 Delta R.T. 0.03 min
 Lab File: VD063188.D
 Acq: 22 Jul 2019 20:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	147.5	0.0	329.6	
98	59.2	0.0	118.4	

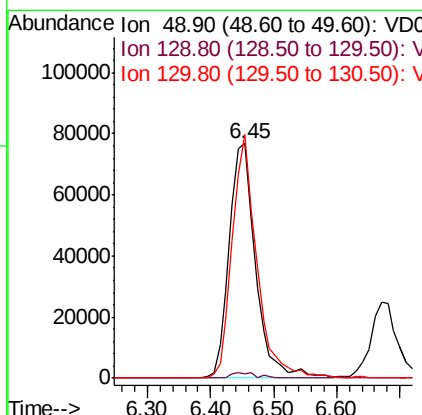
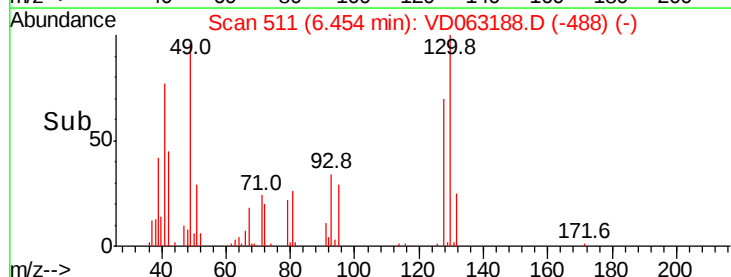
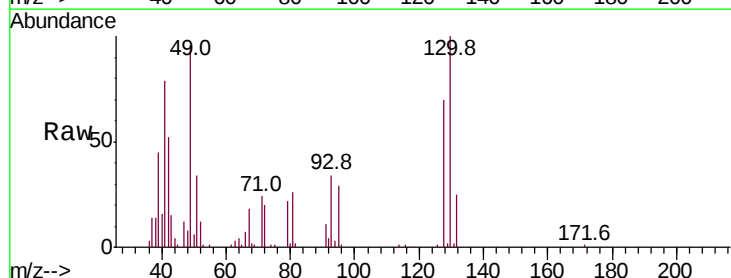
Manual Integrations
 APPROVED

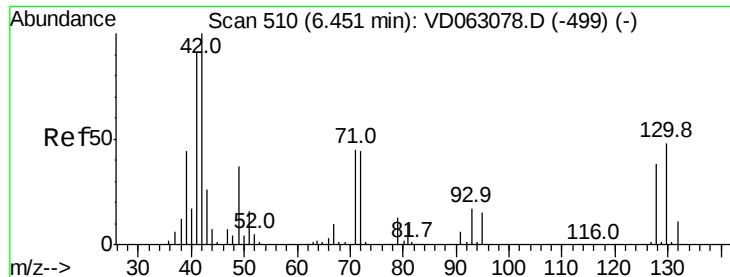
MMDadoda
 7/23/2019 10:40:06 AM



#28
 Bromochloromethane
 Concen: 46.291 ug/l
 RT: 6.45 min Scan# 511
 Delta R.T. 0.02 min
 Lab File: VD063188.D
 Acq: 22 Jul 2019 20:25

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.7	0.0	3.6	
130	103.8	80.3	120.5	





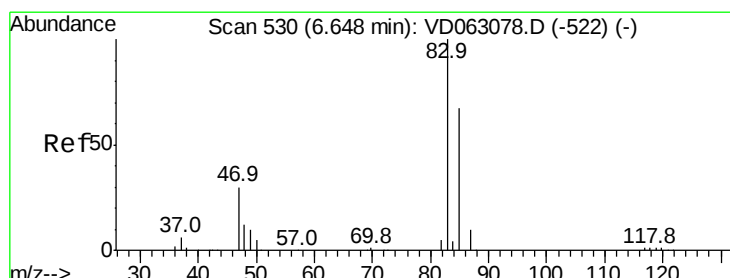
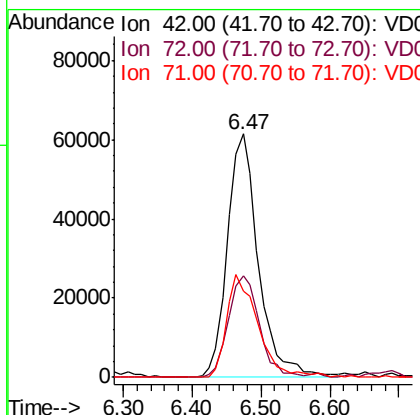
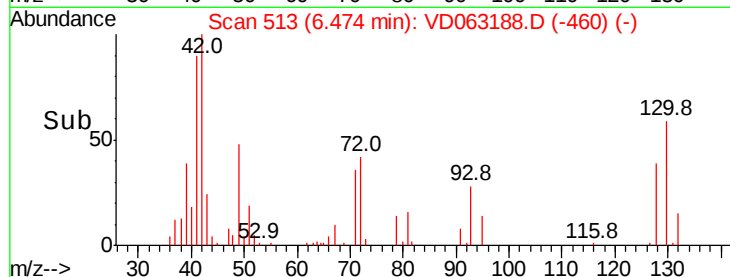
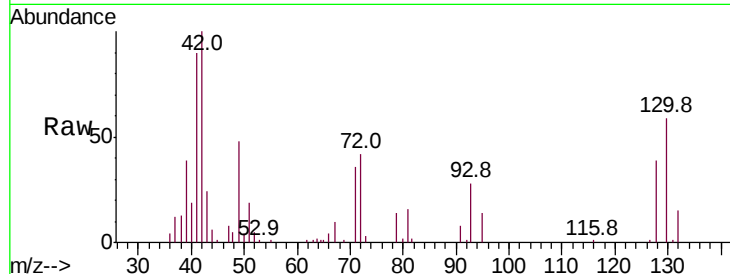
#29
Tetrahydrofuran
Concen: 207.569 ug/l
RT: 6.47 min Scan# 513
Delta R.T. 0.02 min
Lab File: VD063188.D
Acq: 22 Jul 2019 20:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.6	33.7	50.5
71	42.5	34.2	51.2

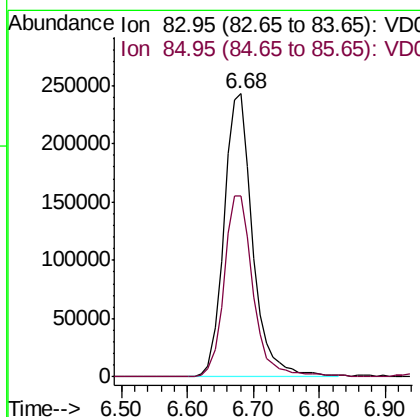
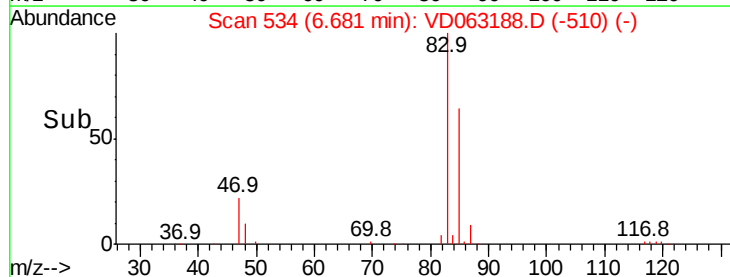
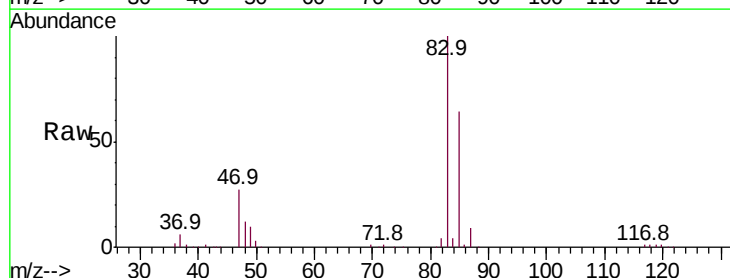
Manual Integrations
APPROVED

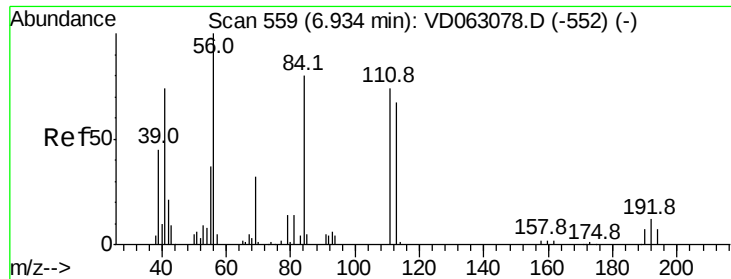
MMDadoda
7/23/2019 10:40:06 AM



#30
Chloroform
Concen: 45.487 ug/l
RT: 6.68 min Scan# 534
Delta R.T. 0.03 min
Lab File: VD063188.D
Acq: 22 Jul 2019 20:25

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	53.8	80.8





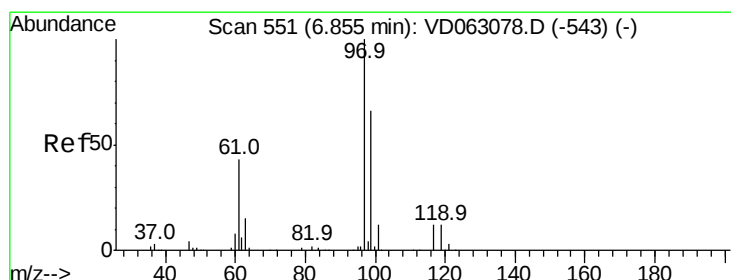
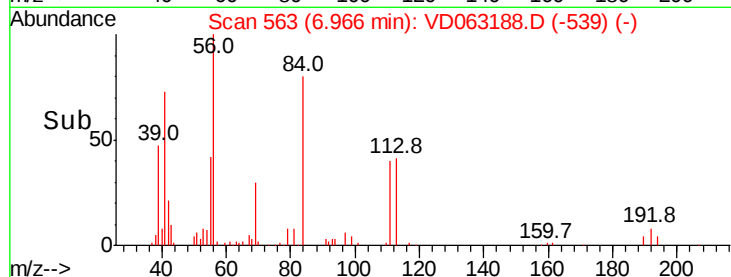
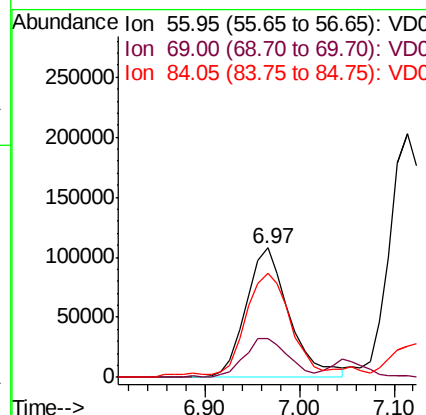
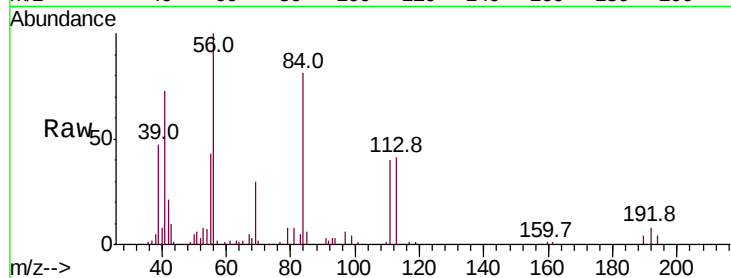
#31
Cyclohexane
Concen: 40.570 ug/l
RT: 6.97 min Scan# 563
Delta R.T. 0.03 min
Lab File: VD063188.D
Acq: 22 Jul 2019 20:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.9	25.3	37.9
84	80.6	64.2	96.4

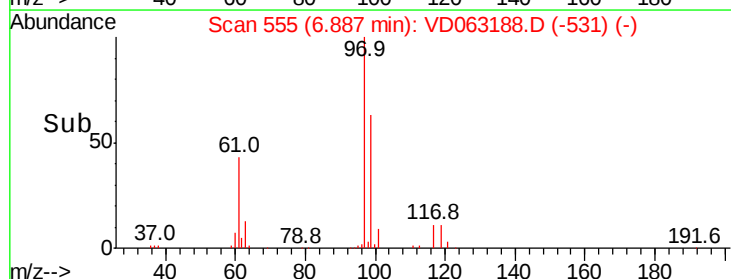
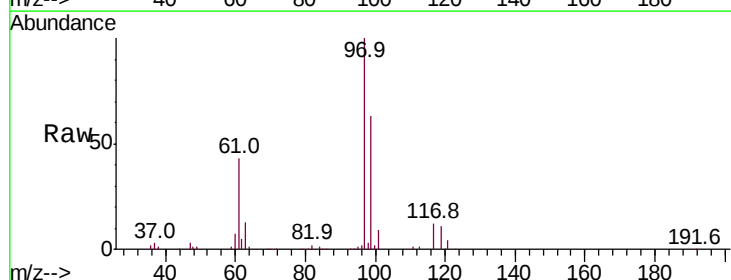
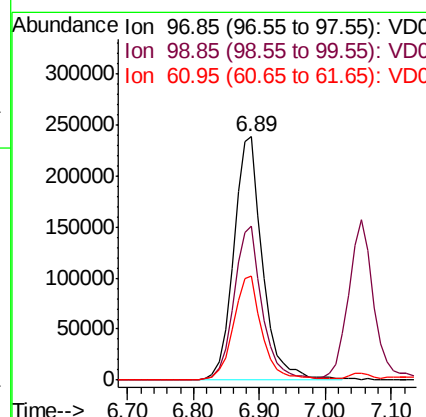
Manual Integrations
APPROVED

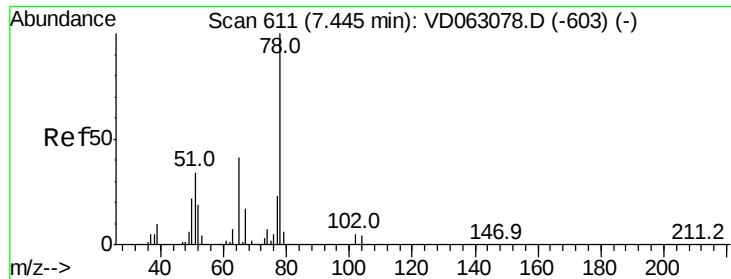
MMDadoda
7/23/2019 10:40:06 AM



#32
1,1,1-Trichloroethane
Concen: 45.434 ug/l
RT: 6.89 min Scan# 555
Delta R.T. 0.03 min
Lab File: VD063188.D
Acq: 22 Jul 2019 20:25

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.2	52.9	79.3
61	43.0	34.4	51.6





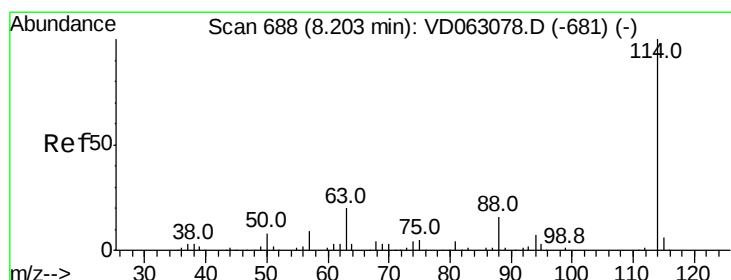
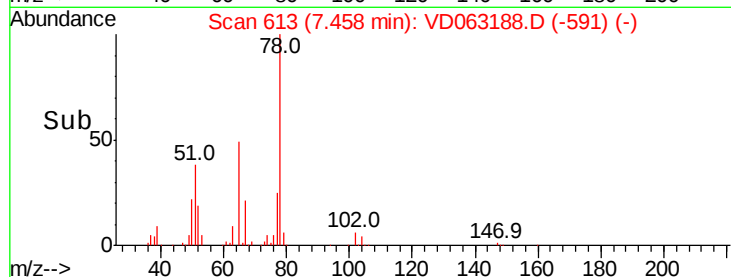
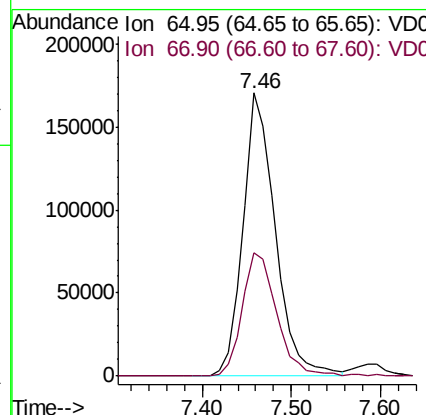
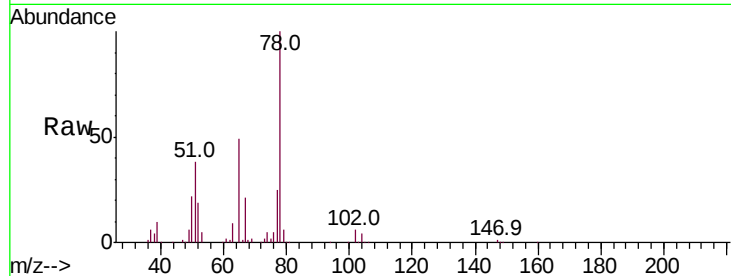
#33
 1,2-Dichloroethane-d4
 Concen: 48.392 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. 0.01 min
 Lab File: VD063188.D
 Acq: 22 Jul 2019 20:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	43.5	0.0	86.0

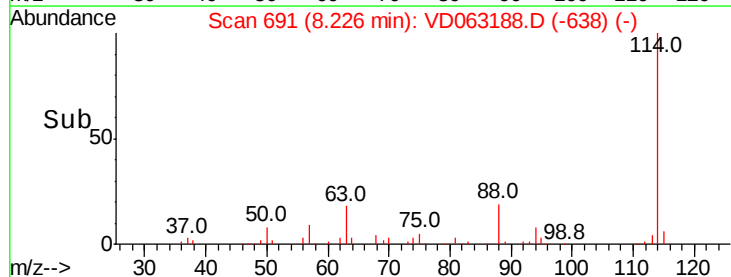
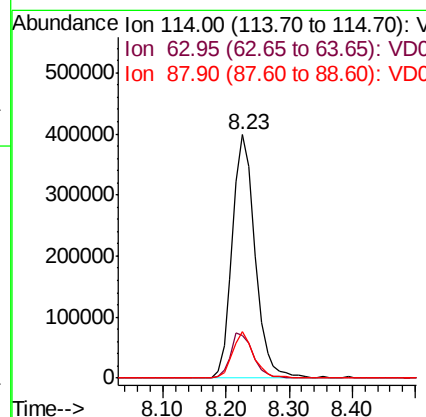
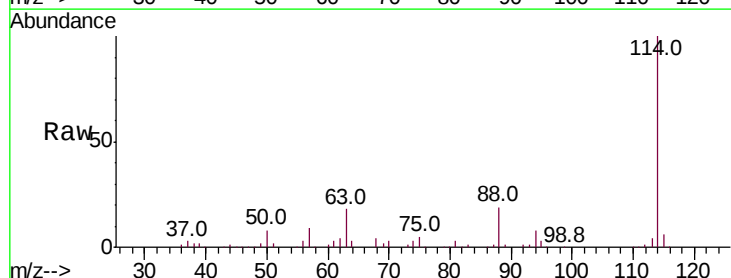
Manual Integrations
 APPROVED

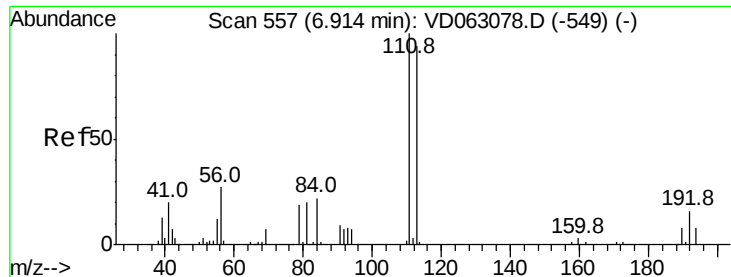
MMDadoda
 7/23/2019 10:40:06 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.02 min
 Lab File: VD063188.D
 Acq: 22 Jul 2019 20:25

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.7	0.0	40.6
88	18.9	0.0	32.6





#35

Dibromofluoromethane

Concen: 47.644 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.02 min

Lab File: VD063188.D

Acq: 22 Jul 2019 20:25

Instrument :

MSVOA_D

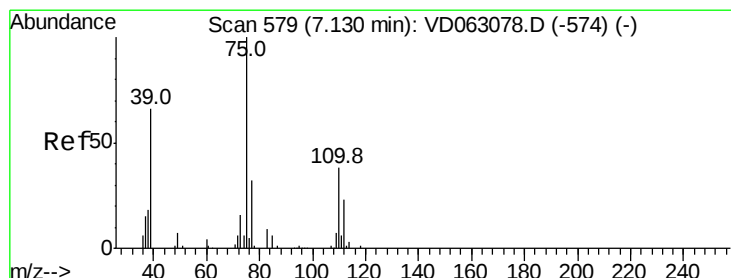
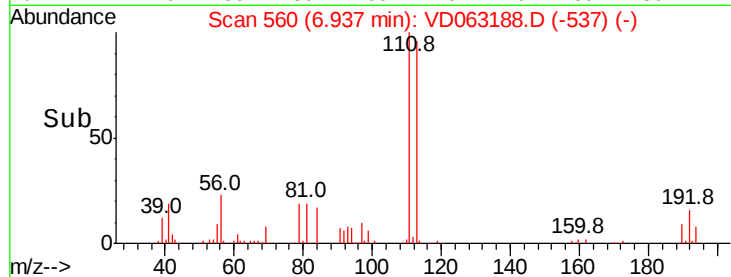
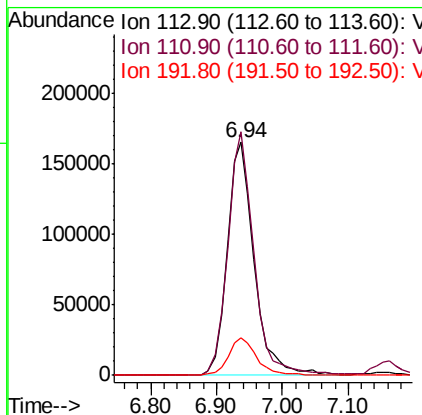
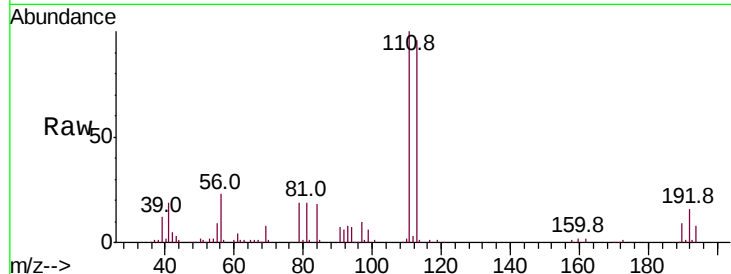
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.5	84.8	127.2
192	16.3	13.4	20.0

Manual Integrations
APPROVED

MMDadoda
7/23/2019 10:40:06 AM



#36

1,1-Dichloropropene

Concen: 40.128 ug/l

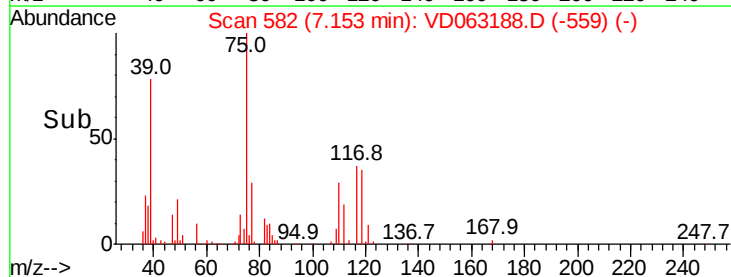
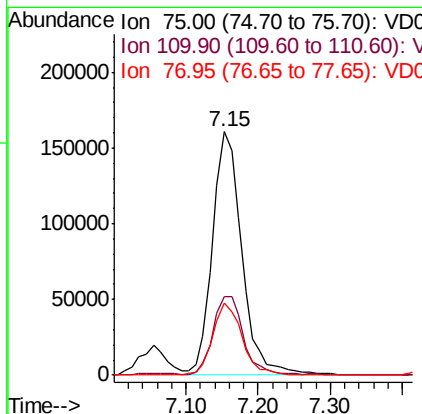
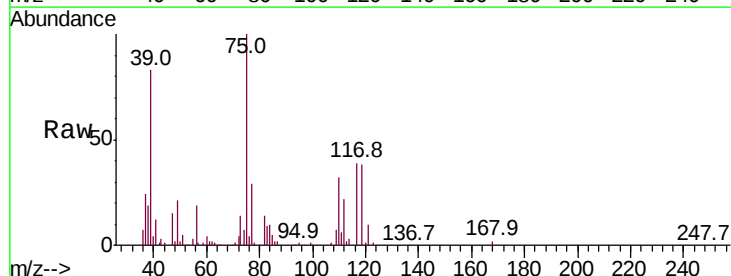
RT: 7.15 min Scan# 582

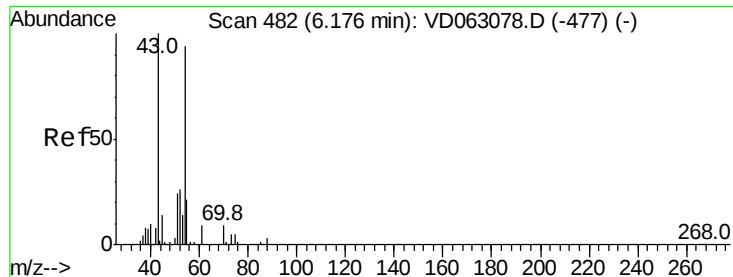
Delta R.T. 0.02 min

Lab File: VD063188.D

Acq: 22 Jul 2019 20:25

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.1	18.9	56.5
77	29.4	25.2	37.8





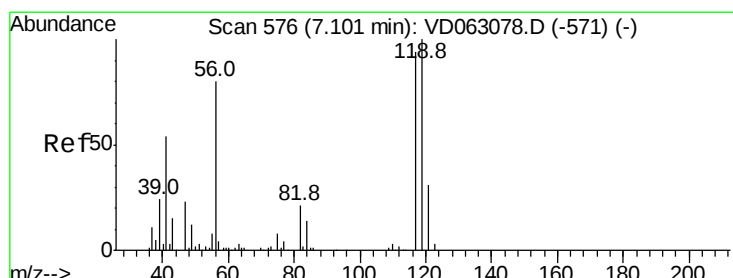
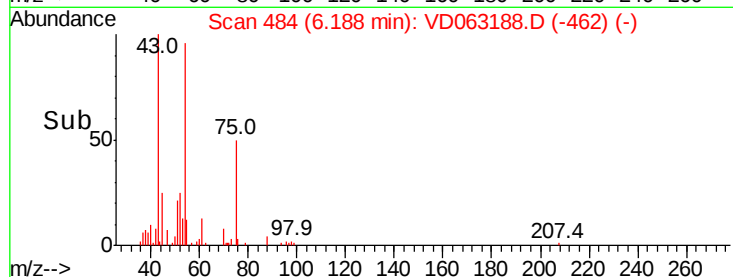
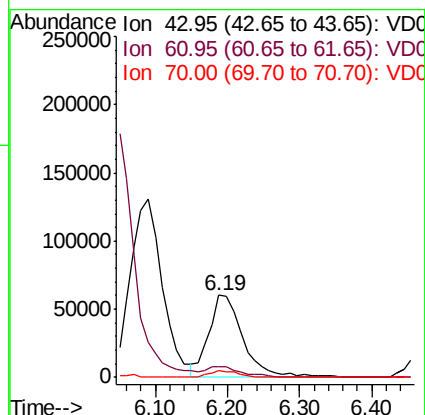
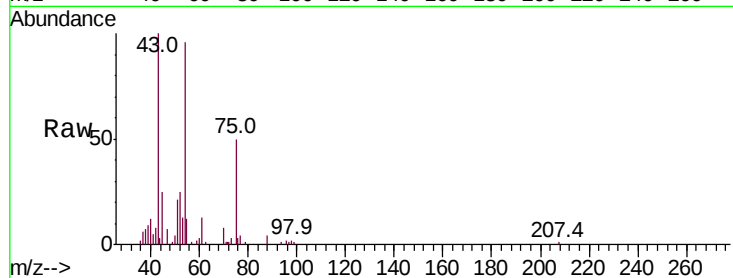
#37
Ethyl Acetate
Concen: 40.328 ug/l
RT: 6.19 min Scan# 484
Delta R.T. 0.01 min
Lab File: VD063188.D
Acq: 22 Jul 2019 20:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.6	16.0
70	8.2	6.6	9.8

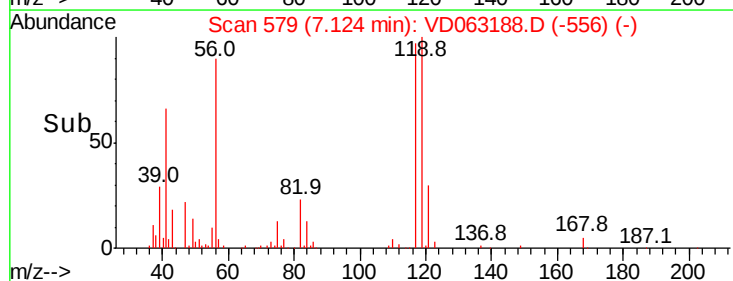
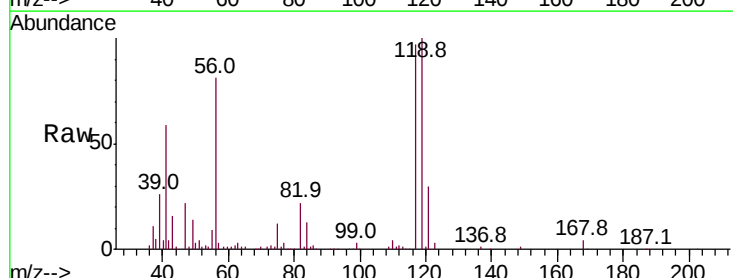
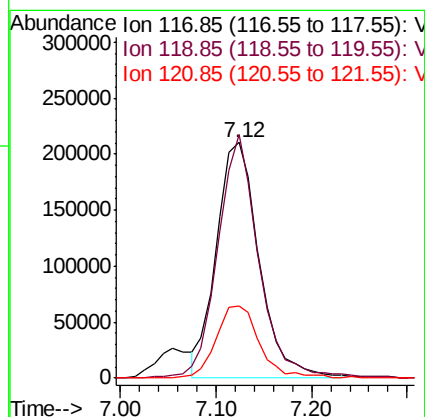
Manual Integrations
APPROVED

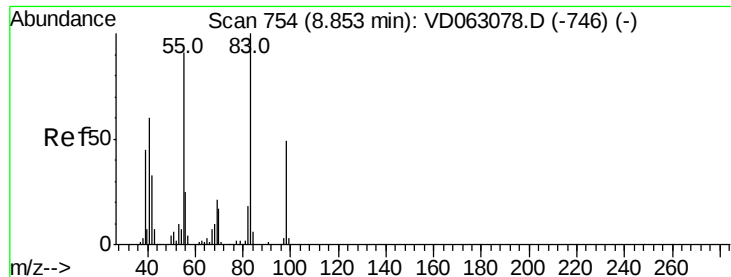
MMDadoda
7/23/2019 10:40:06 AM



#38
Carbon Tetrachloride
Concen: 38.582 ug/l m
RT: 7.12 min Scan# 579
Delta R.T. 0.02 min
Lab File: VD063188.D
Acq: 22 Jul 2019 20:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	103.3	80.0	120.0
121	30.8	25.0	37.4





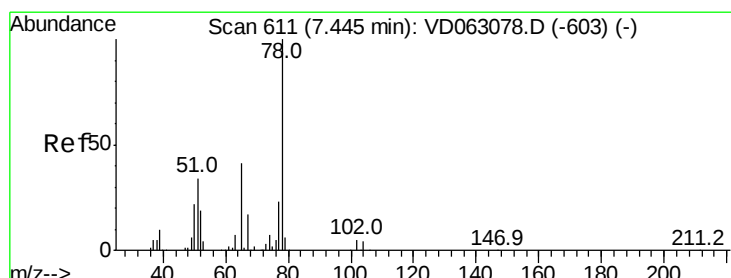
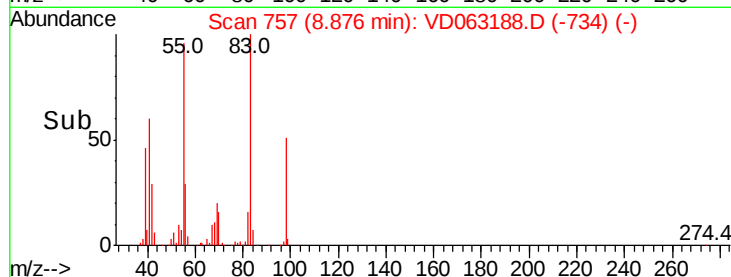
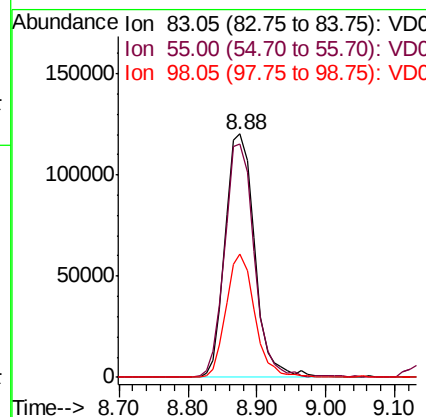
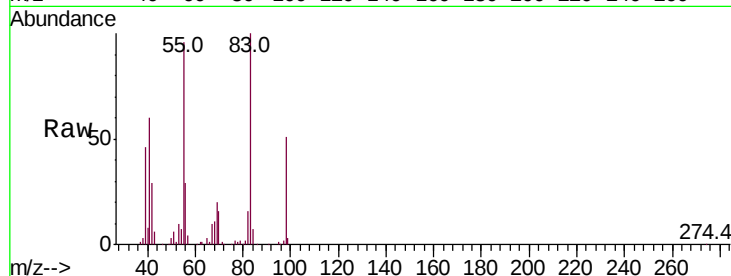
#39
Methylvlcyclohexane
Concen: 36.928 ug/l
RT: 8.88 min Scan# 757
Delta R.T. 0.02 min
Lab File: VD063188.D
Acq: 22 Jul 2019 20:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	357471
Ion Ratio	100	Lower	Upper
83	100		
55	95.8	73.0	109.4
98	50.7	39.4	59.0

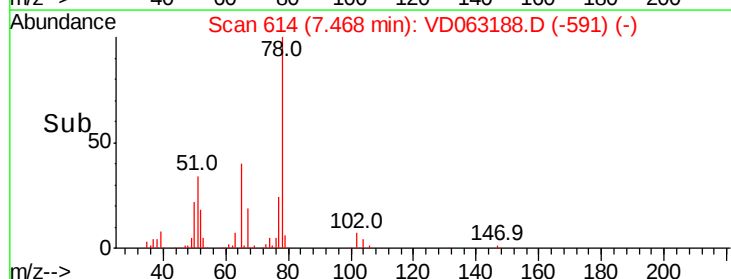
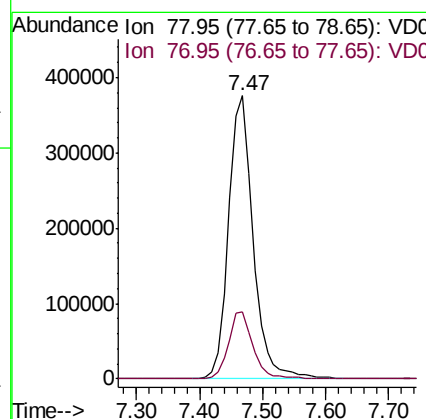
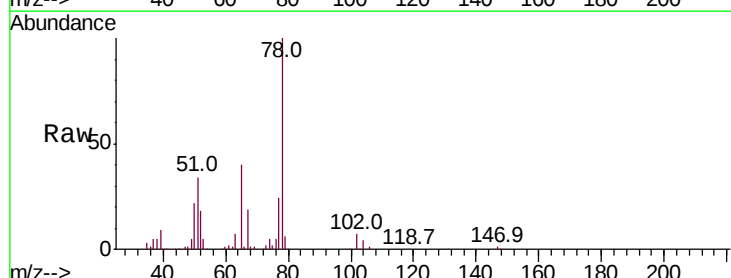
Manual Integrations
APPROVED

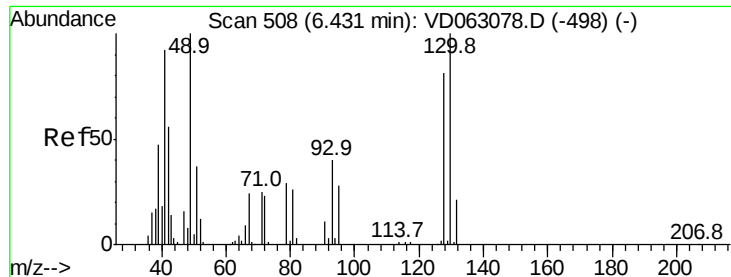
MMDadoda
7/23/2019 10:40:06 AM



#40
Benzene
Concen: 43.258 ug/l
RT: 7.47 min Scan# 614
Delta R.T. 0.02 min
Lab File: VD063188.D
Acq: 22 Jul 2019 20:25

Tgt Ion	78	Resp	1014449
Ion Ratio	100	Lower	Upper
78	100		
77	23.8	18.1	27.1





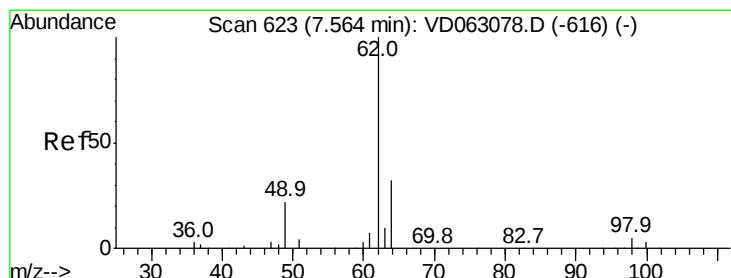
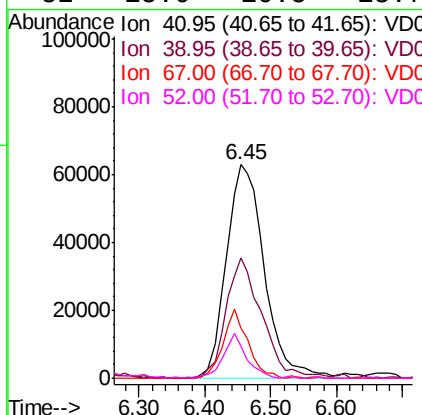
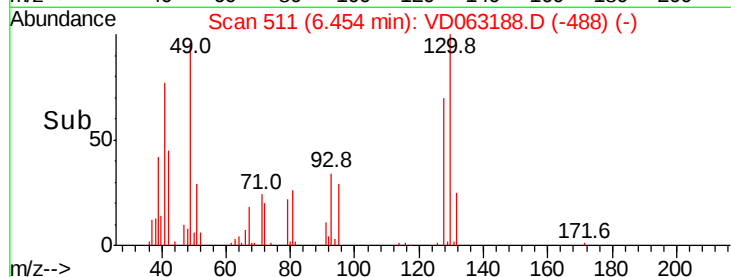
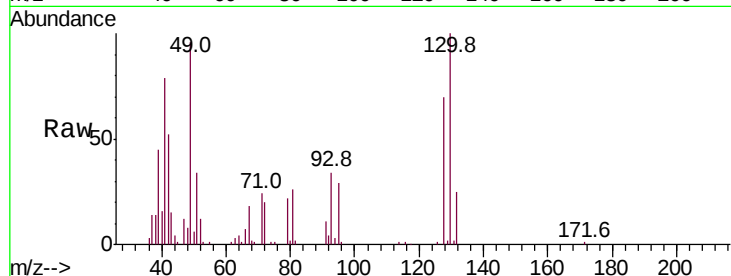
#41
Methacrylonitrile
Concen: 39.099 ug/l
RT: 6.45 min Scan# 511
Delta R.T. 0.02 min
Lab File: VD063188.D
Acq: 22 Jul 2019 20:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	56.3	41.0	61.6
67	23.1	21.3	31.9
52	15.0	10.5	15.7

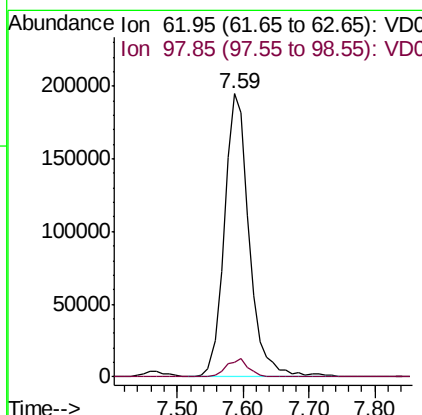
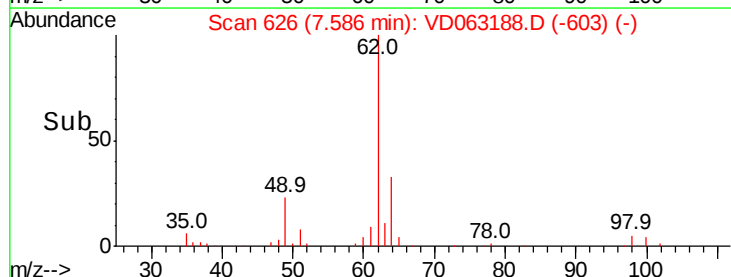
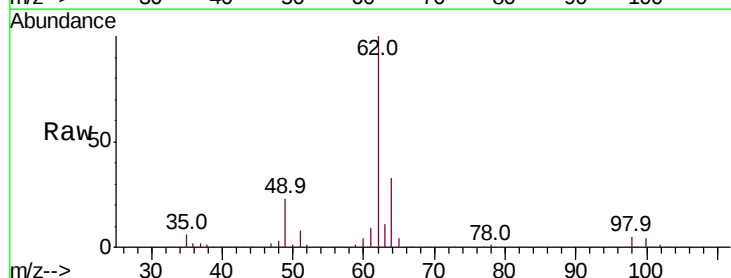
Manual Integrations
APPROVED

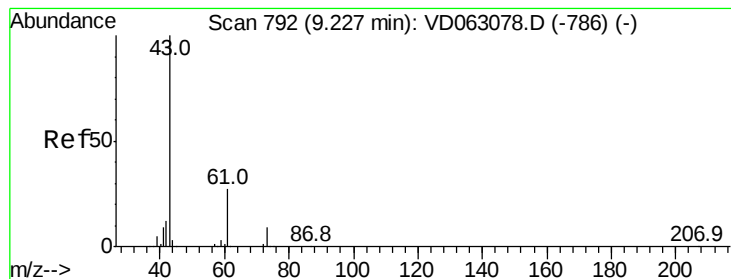
MMDadoda
7/23/2019 10:40:06 AM



#42
1,2-Dichloroethane
Concen: 41.091 ug/l
RT: 7.59 min Scan# 626
Delta R.T. 0.02 min
Lab File: VD063188.D
Acq: 22 Jul 2019 20:25

Tgt Ion	Ratio	Lower	Upper
62	100		
98	5.3	0.0	9.6





#43

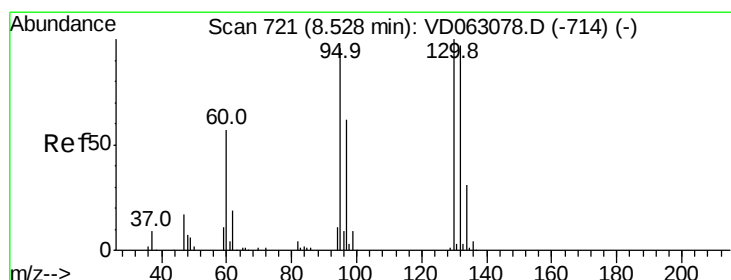
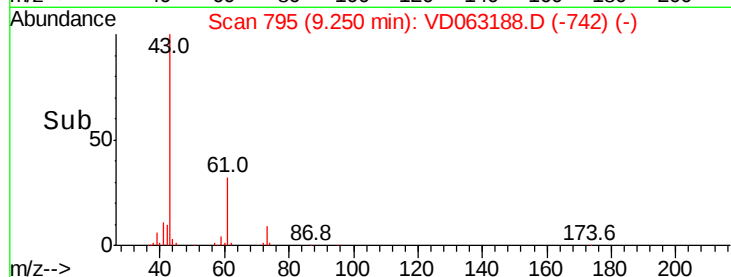
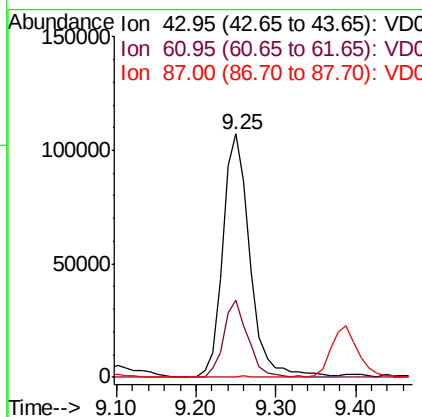
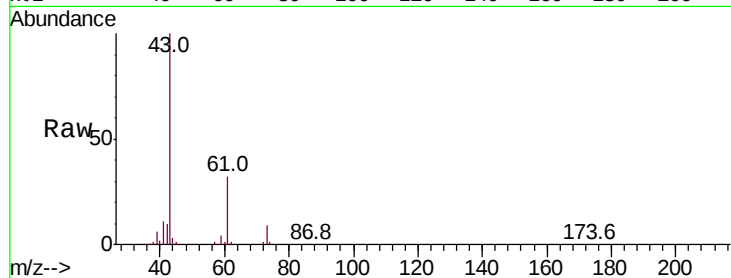
Isopropyl Acetate
 Concen: 36.932 ug/l
 RT: 9.25 min Scan# 795
 Delta R.T. 0.02 min
 Lab File: VD063188.D
 Acq: 22 Jul 2019 20:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	31.7	21.7	32.5
87	0.4	0.2	0.4

Manual Integrations
 APPROVED

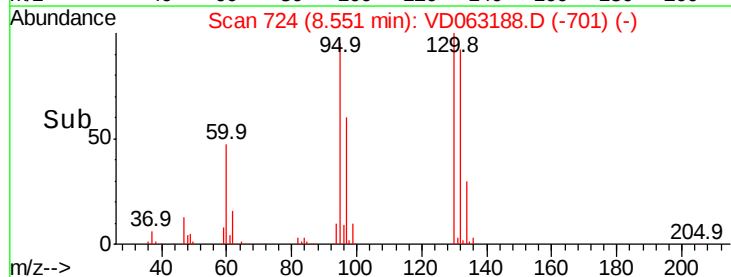
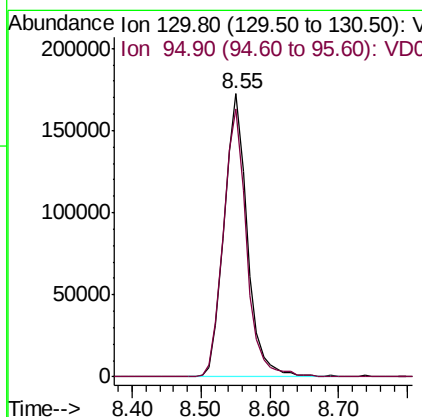
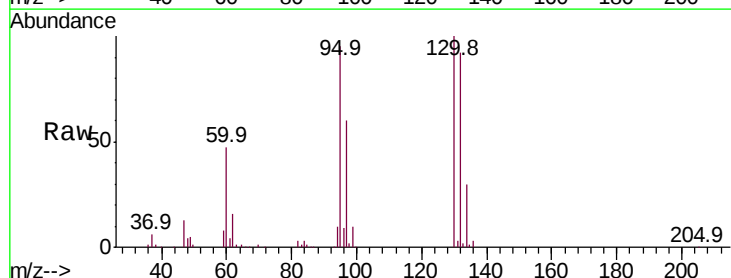
MMDadoda
 7/23/2019 10:40:06 AM

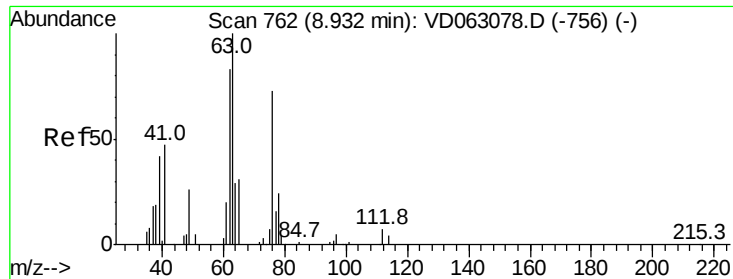


#44

Trichloroethene
 Concen: 44.329 ug/l
 RT: 8.55 min Scan# 724
 Delta R.T. 0.02 min
 Lab File: VD063188.D
 Acq: 22 Jul 2019 20:25

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.9	0.0	191.4





#45

1,2-Dichloropropane

Concen: 42.270 ug/l

RT: 8.94 min Scan# 764

Delta R.T. 0.01 min

Lab File: VD063188.D

Acq: 22 Jul 2019 20:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 247147

Ion Ratio Lower Upper

63 100

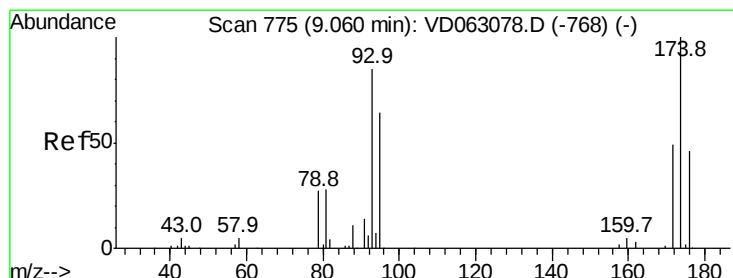
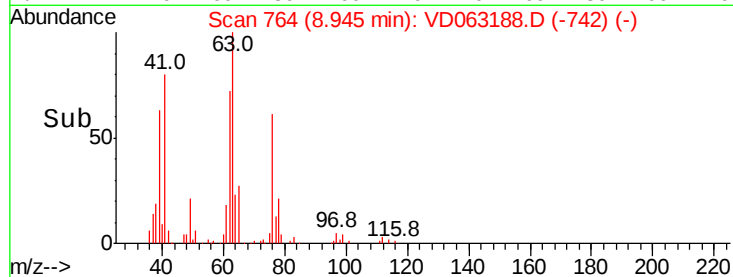
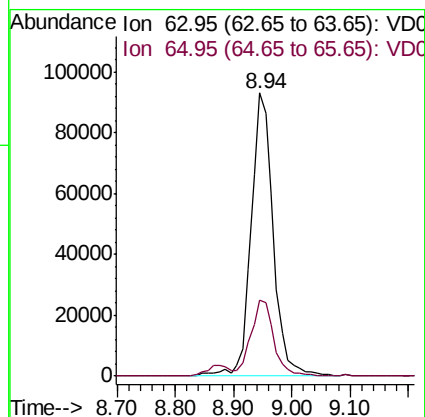
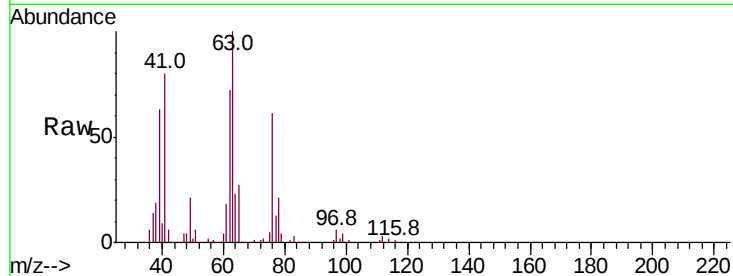
65 26.9 26.3 39.5

Manual Integrations

APPROVED

MMDadoda

7/23/2019 10:40:06 AM



#46

Dibromomethane

Concen: 39.410 ug/l

RT: 9.07 min Scan# 777

Delta R.T. 0.01 min

Lab File: VD063188.D

Acq: 22 Jul 2019 20:25

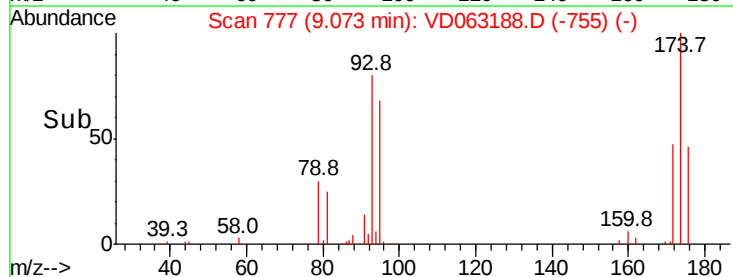
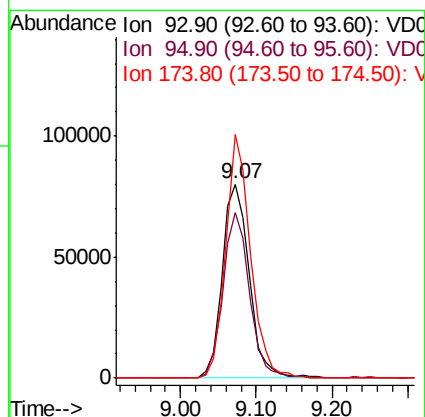
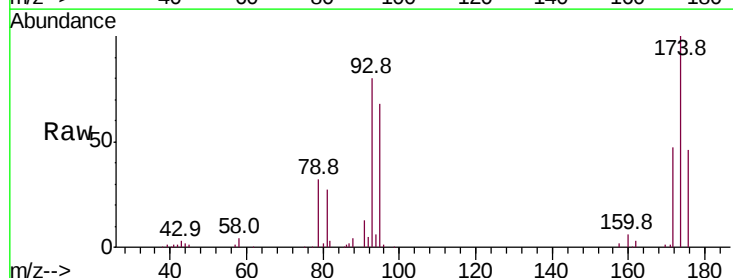
Tgt Ion: 93 Resp: 198011

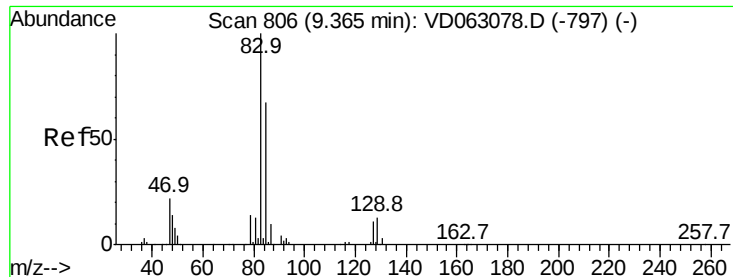
Ion Ratio Lower Upper

93 100

95 85.3 59.7 89.5

174 125.7 93.9 140.9





#47

Bromodichloromethane

Concen: 42.977 ug/l

RT: 9.39 min Scan# 809

Delta R.T. 0.02 min

Lab File: VD063188.D

Acq: 22 Jul 2019 20:25

Instrument :

MSVOA_D

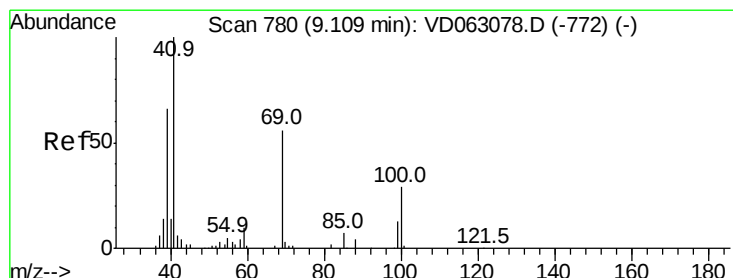
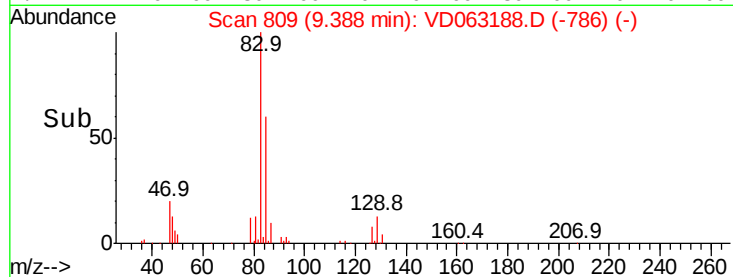
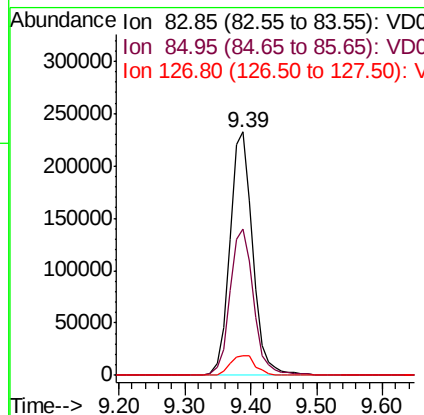
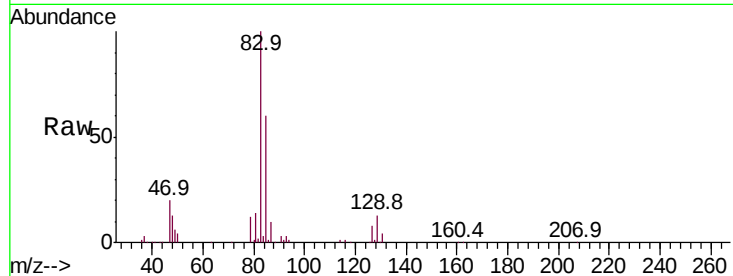
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	60.0	53.7	80.5	
127	8.3	9.0	13.6	

Manual Integrations
APPROVED

MMDadoda
7/23/2019 10:40:06 AM



#48

Methyl methacrylate

Concen: 40.430 ug/l

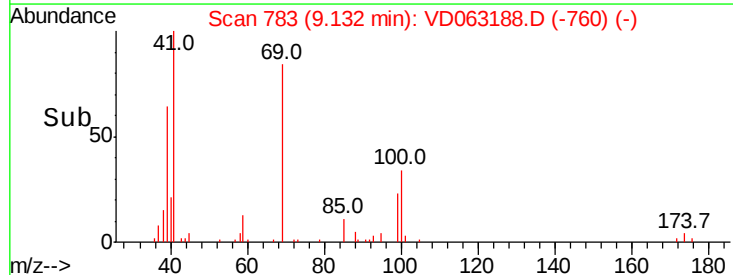
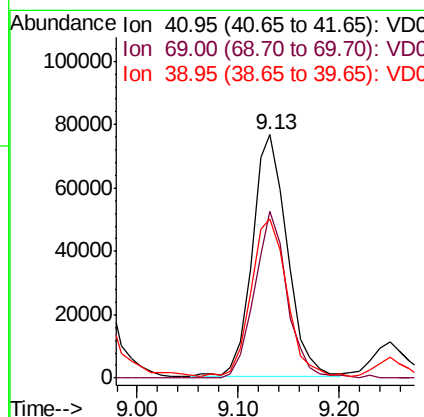
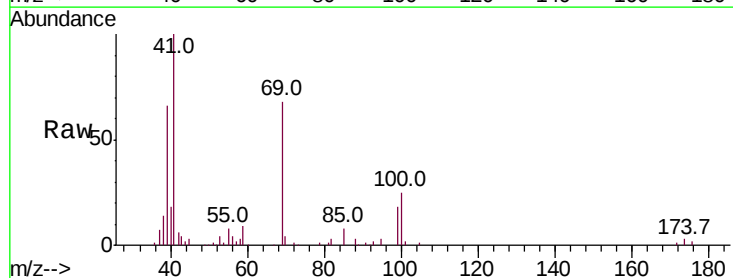
RT: 9.13 min Scan# 783

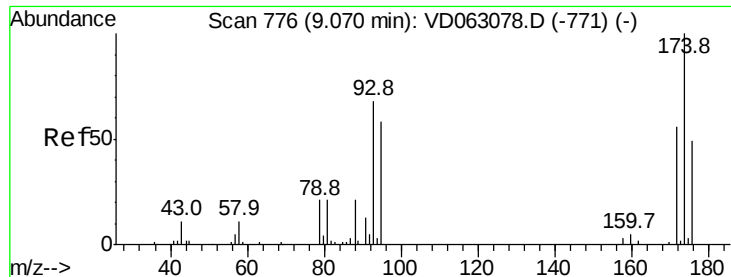
Delta R.T. 0.02 min

Lab File: VD063188.D

Acq: 22 Jul 2019 20:25

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	68.3	44.3	66.5	
39	65.5	52.6	78.8	





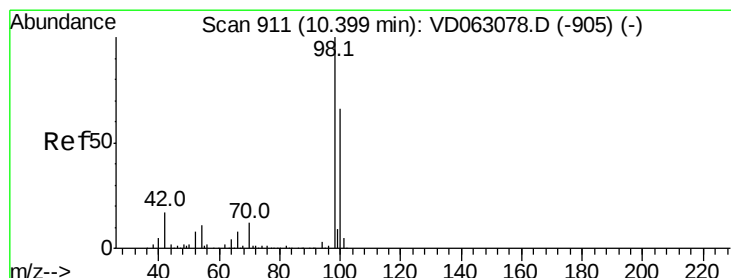
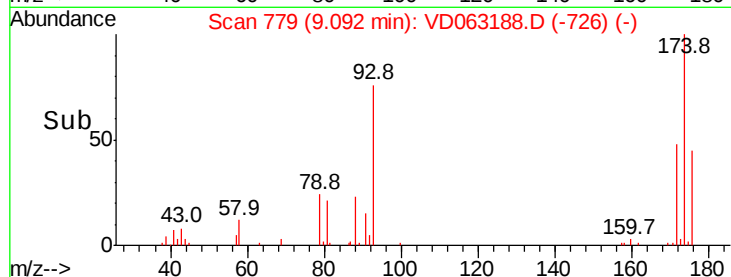
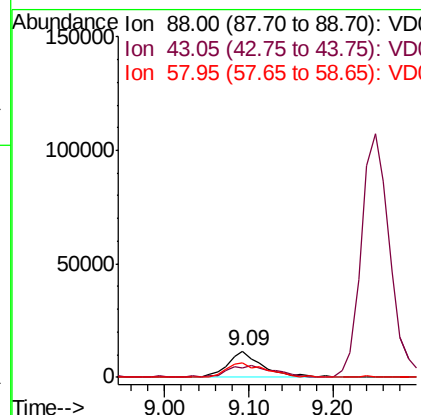
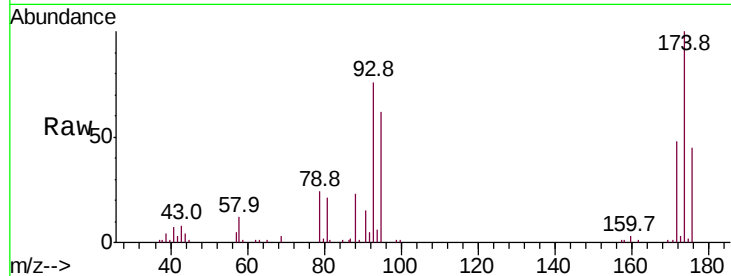
#49
 1,4-Dioxane
 Concen: 843.771 ug/l
 RT: 9.09 min Scan# 779
 Delta R.T. 0.02 min
 Lab File: VD063188.D
 Acq: 22 Jul 2019 20:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.4	40.2	60.4#
58	52.6	41.6	62.4

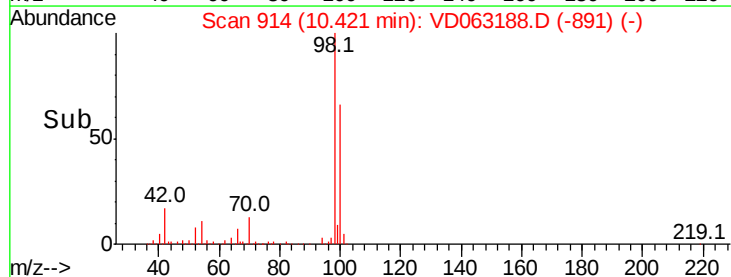
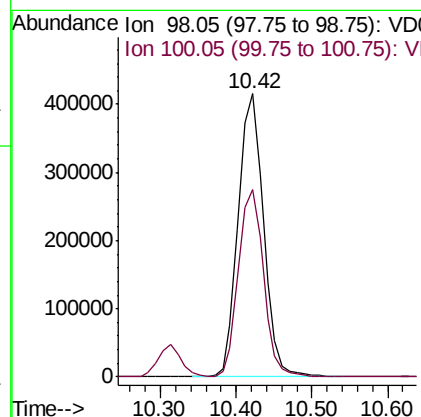
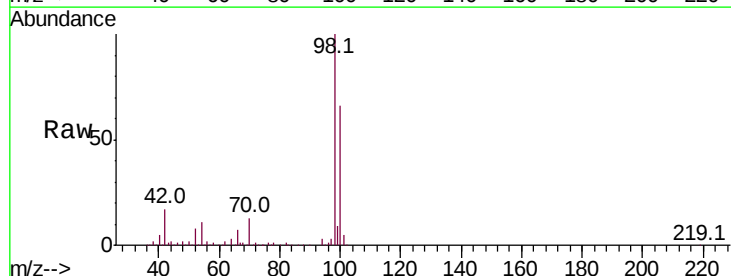
Manual Integrations
 APPROVED

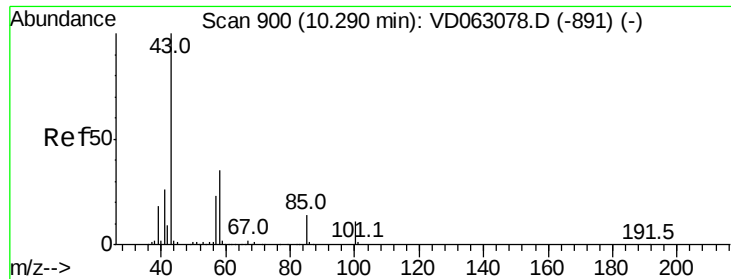
MMDadoda
 7/23/2019 10:40:06 AM



#50
 Toluene-d8
 Concen: 45.144 ug/l
 RT: 10.42 min Scan# 914
 Delta R.T. 0.02 min
 Lab File: VD063188.D
 Acq: 22 Jul 2019 20:25

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.4	53.5	80.3





#51

4-Methyl-2-Pentanone

Concen: 205.254 ug/l

RT: 10.31 min Scan# 903

Delta R.T. 0.02 min

Lab File: VD063188.D

Acq: 22 Jul 2019 20:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 935064

Ion Ratio Lower Upper

43 100

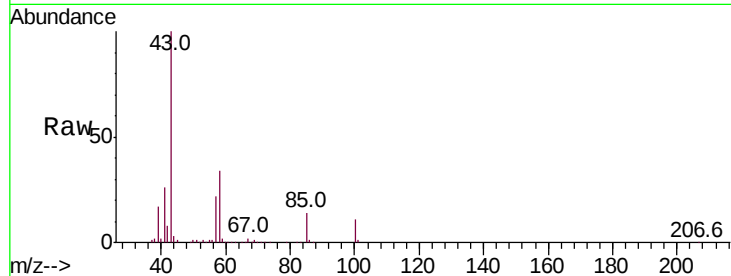
58 34.0 27.8 41.6

Manual Integrations

APPROVED

MMDadoda

7/23/2019 10:40:06 AM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.31

400000

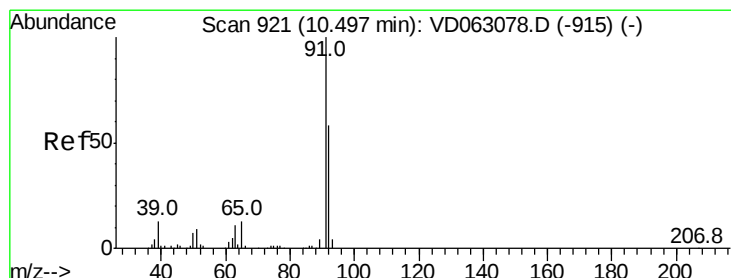
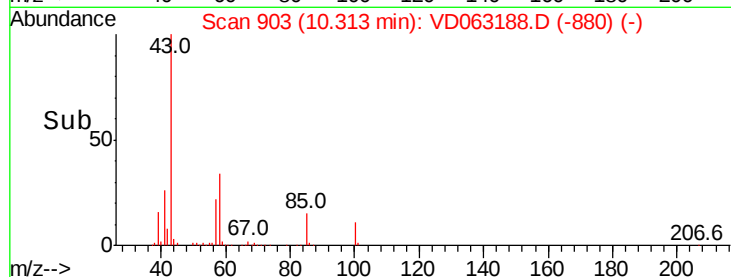
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 41.018 ug/l

RT: 10.52 min Scan# 924

Delta R.T. 0.02 min

Lab File: VD063188.D

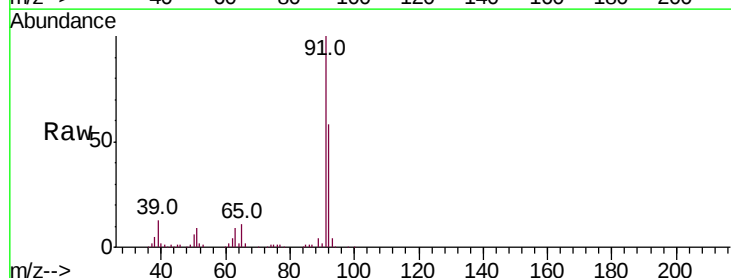
Acq: 22 Jul 2019 20:25

Tgt Ion: 92 Resp: 642335

Ion Ratio Lower Upper

92 100

91 172.6 137.9 206.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.52

500000

400000

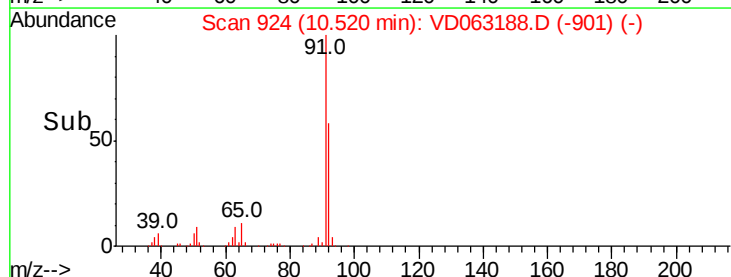
300000

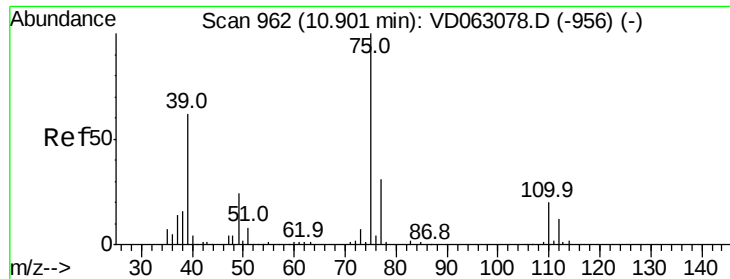
200000

100000

0

Time-->





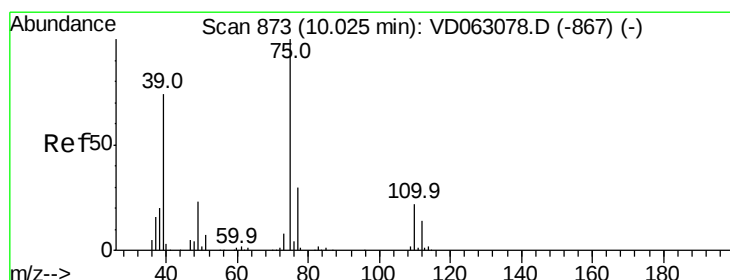
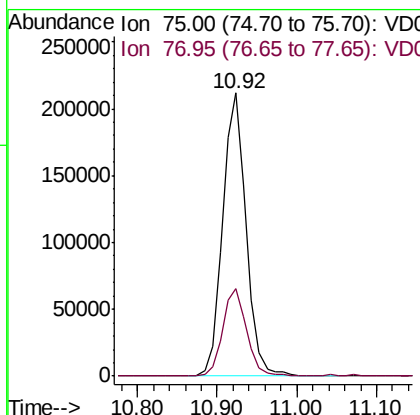
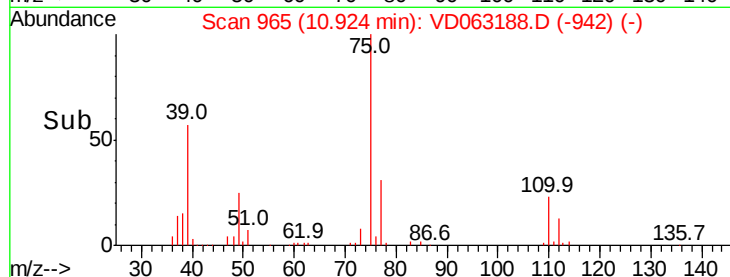
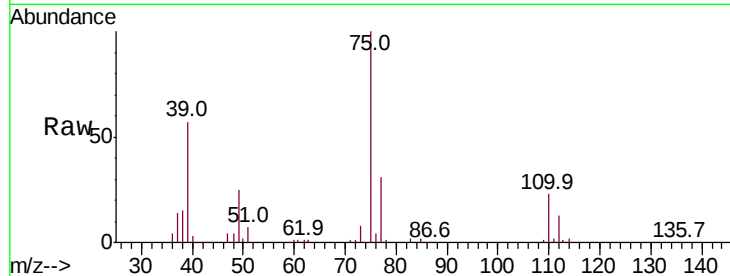
#53
t-1,3-Dichloropropene
Concen: 39.035 ug/l
RT: 10.92 min Scan# 965
Delta R.T. 0.02 min
Lab File: VD063188.D
Acq: 22 Jul 2019 20:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 438480
Ion Ratio Lower Upper
75 100
77 31.0 24.9 37.3

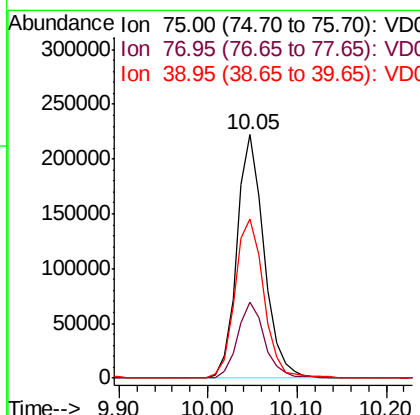
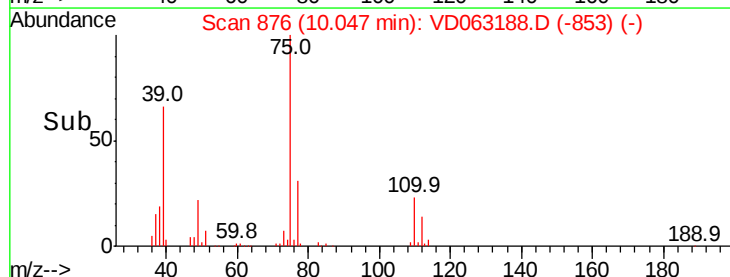
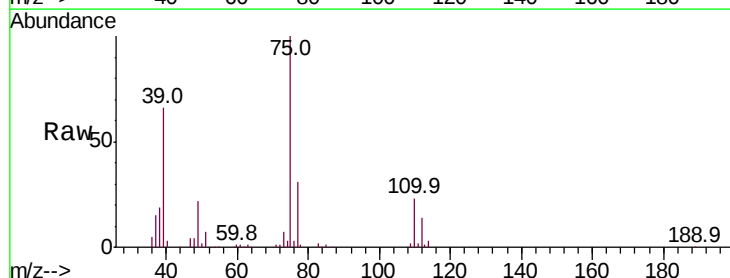
Manual Integrations
APPROVED

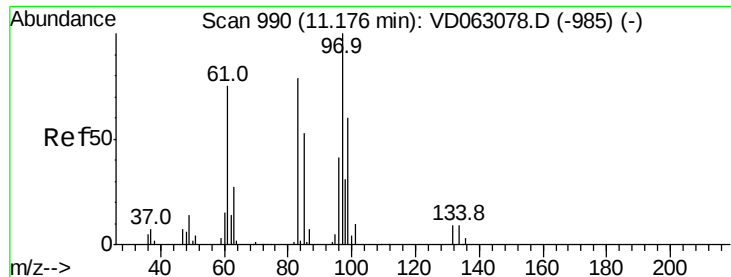
MMDadoda
7/23/2019 10:40:06 AM



#54
cis-1,3-Dichloropropene
Concen: 40.730 ug/l
RT: 10.05 min Scan# 876
Delta R.T. 0.02 min
Lab File: VD063188.D
Acq: 22 Jul 2019 20:25

Tgt Ion: 75 Resp: 473066
Ion Ratio Lower Upper
75 100
77 31.2 23.9 35.9
39 65.5 59.4 89.0





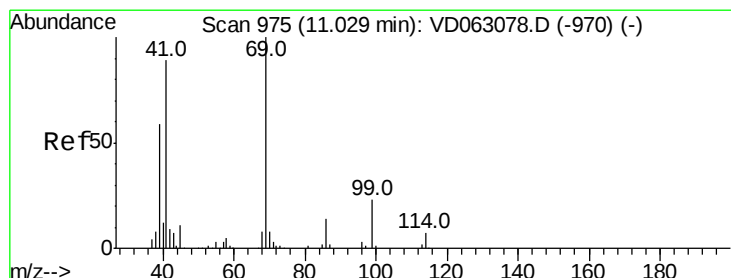
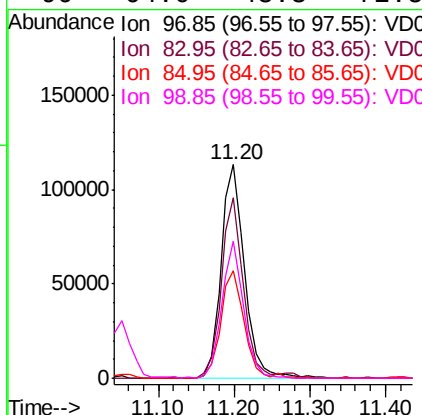
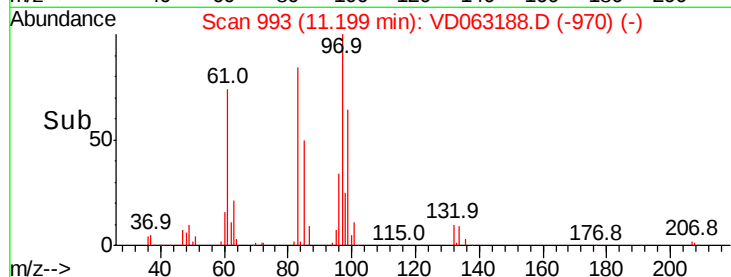
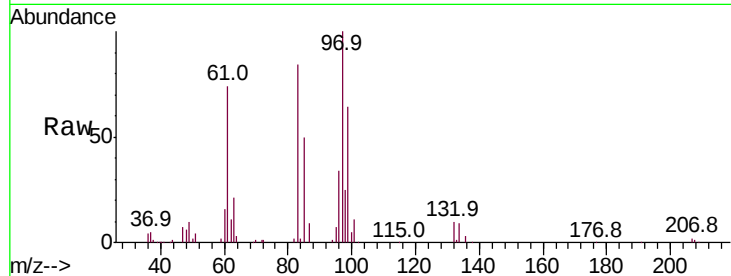
#55
 1,1,2-Trichloroethane
 Concen: 44.773 ug/l
 RT: 11.20 min Scan# 993
 Delta R.T. 0.02 min
 Lab File: VD063188.D
 Acq: 22 Jul 2019 20:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	97	Resp	242303
Ion	Ratio	Lower	Upper
97	100		
83	84.4	63.2	94.8
85	50.4	42.0	63.0
99	64.0	48.3	72.5

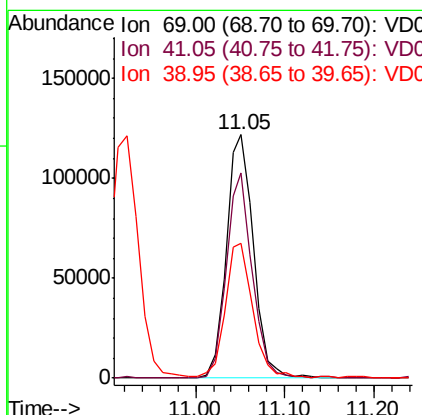
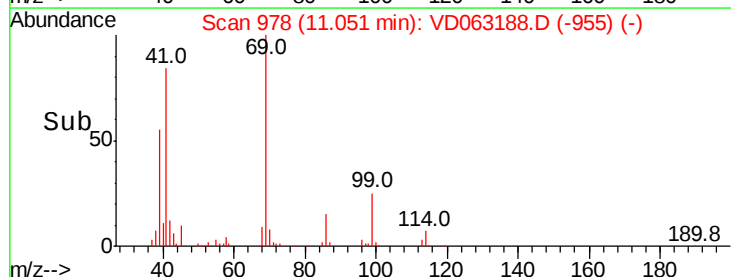
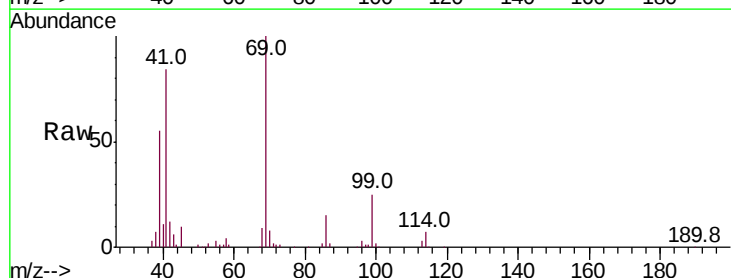
Manual Integrations
 APPROVED

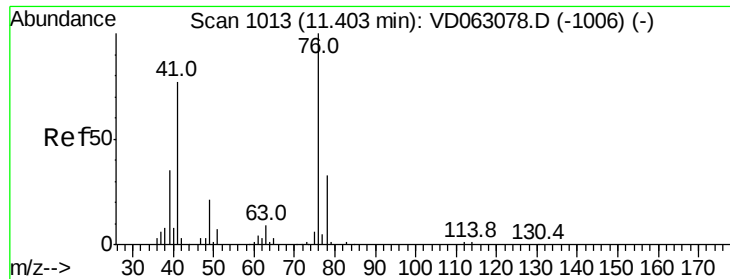
MMDadoda
 7/23/2019 10:40:06 AM



#56
 Ethyl methacrylate
 Concen: 42.753 ug/l
 RT: 11.05 min Scan# 978
 Delta R.T. 0.02 min
 Lab File: VD063188.D
 Acq: 22 Jul 2019 20:25

Tgt Ion	69	Resp	258511
Ion	Ratio	Lower	Upper
69	100		
41	84.1	71.0	106.4
39	55.4	47.7	71.5





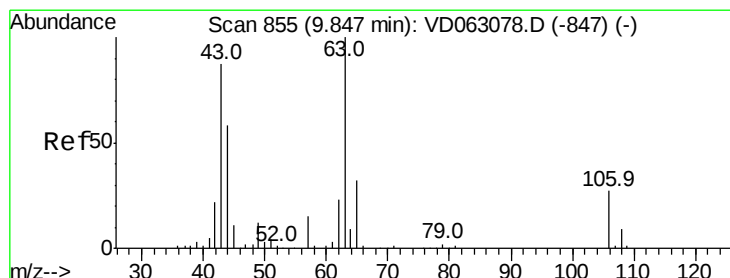
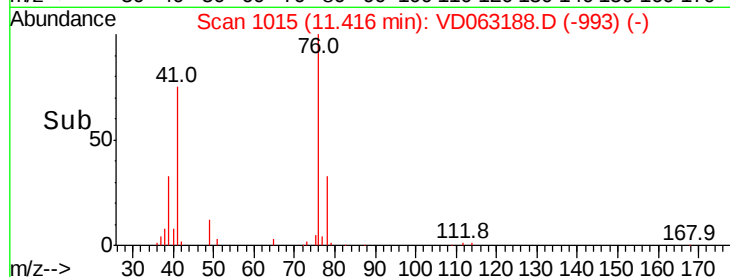
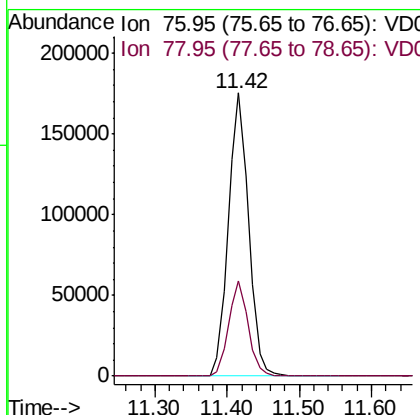
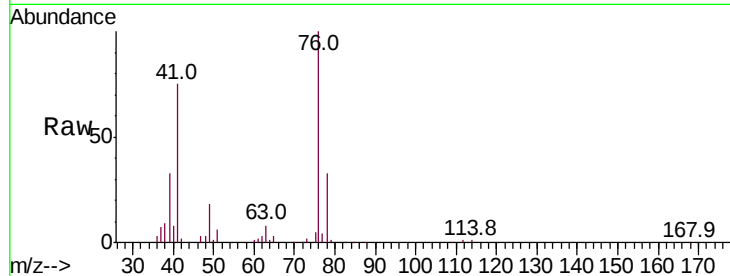
#57
 1,3-Dichloropropane
 Concen: 41.518 ug/l
 RT: 11.42 min Scan# 1015
 Delta R.T. 0.01 min
 Lab File: VD063188.D
 Acq: 22 Jul 2019 20:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 341890
 Ion Ratio Lower Upper
 76 100
 78 33.5 26.8 40.2

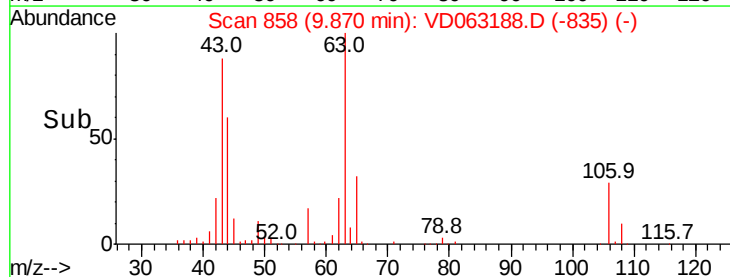
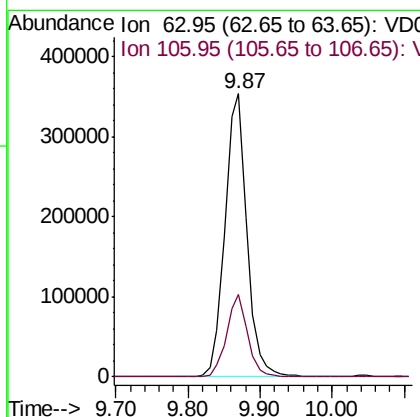
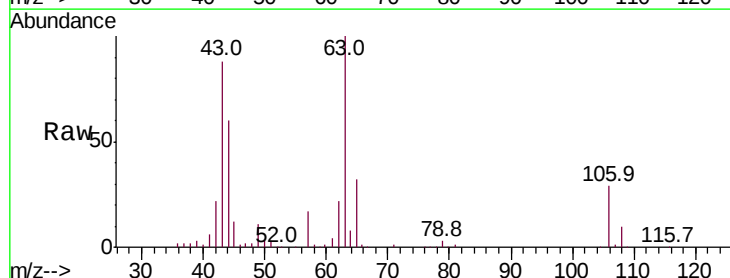
Manual Integrations
 APPROVED

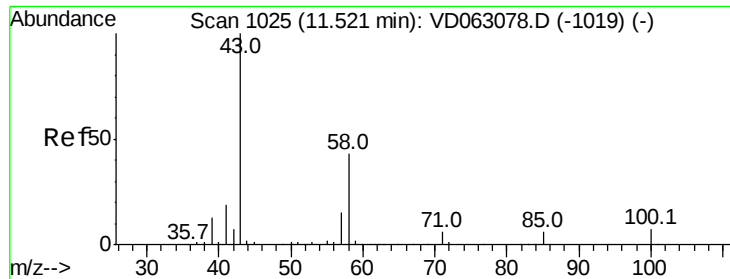
MMDadoda
 7/23/2019 10:40:06 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 222.208 ug/l
 RT: 9.87 min Scan# 858
 Delta R.T. 0.02 min
 Lab File: VD063188.D
 Acq: 22 Jul 2019 20:25

Tgt Ion: 63 Resp: 748125
 Ion Ratio Lower Upper
 63 100
 106 29.3 21.3 31.9





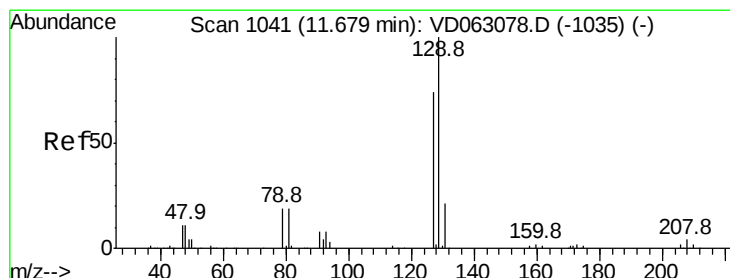
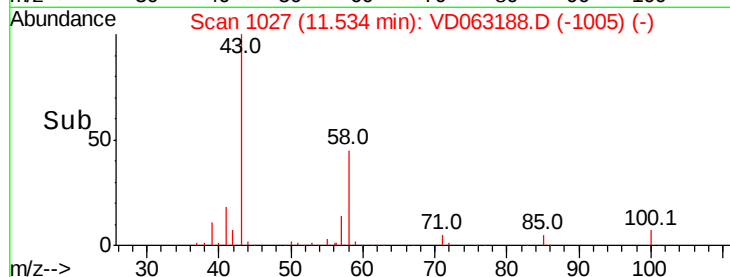
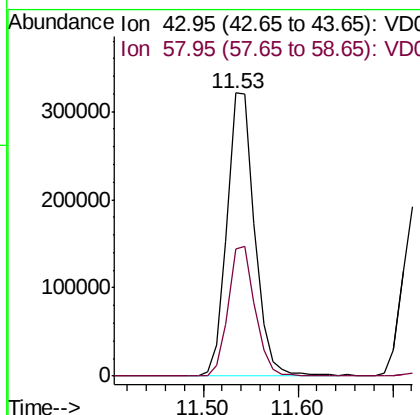
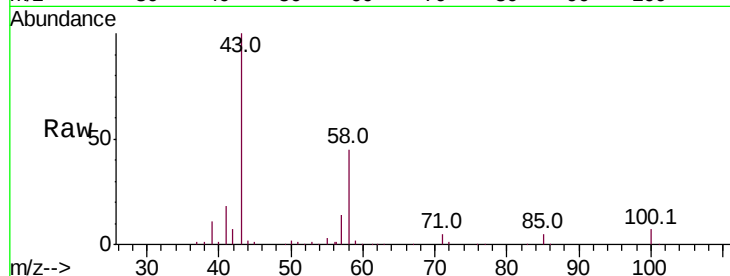
#59
2-Hexanone
Concen: 185.237 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. 0.01 min
Lab File: VD063188.D
Acq: 22 Jul 2019 20:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 650805
Ion Ratio Lower Upper
43 100
58 44.8 21.7 65.1

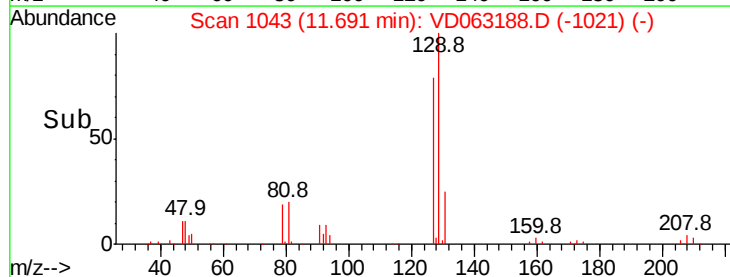
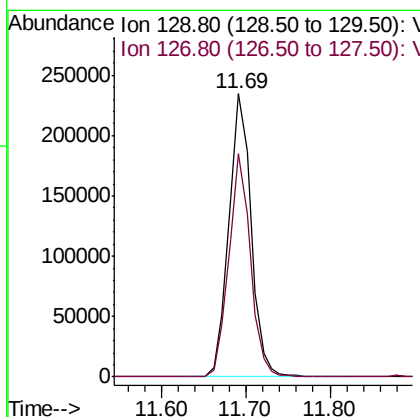
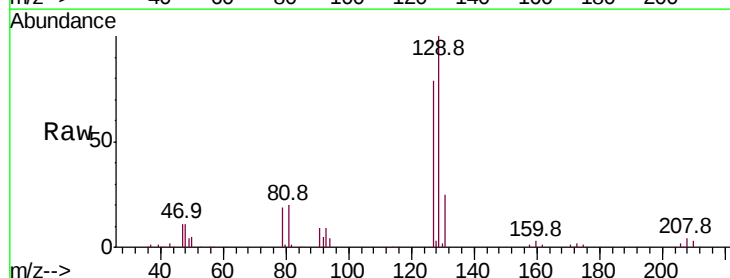
Manual Integrations
APPROVED

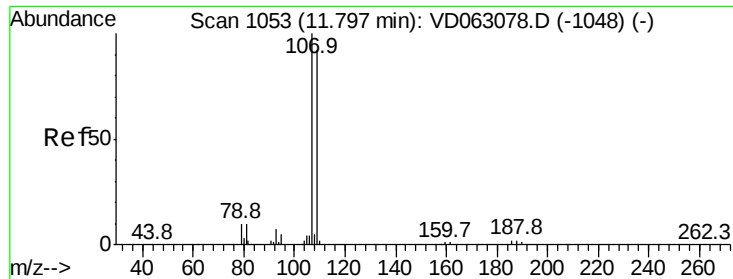
MMDadoda
7/23/2019 10:40:06 AM



#60
Dibromochloromethane
Concen: 41.719 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. 0.01 min
Lab File: VD063188.D
Acq: 22 Jul 2019 20:25

Tgt Ion: 129 Resp: 432786
Ion Ratio Lower Upper
129 100
127 79.0 37.0 110.9





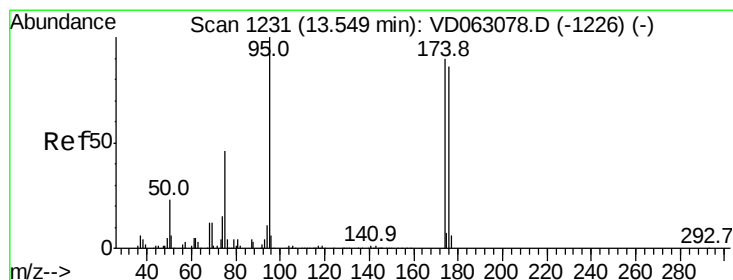
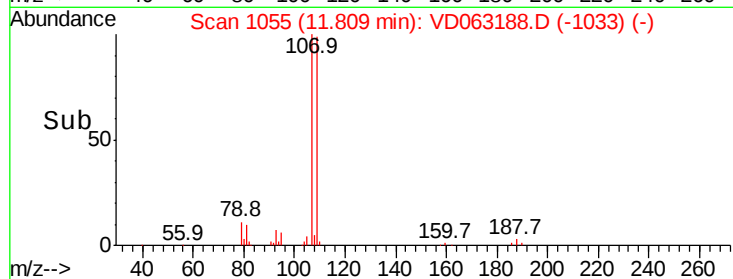
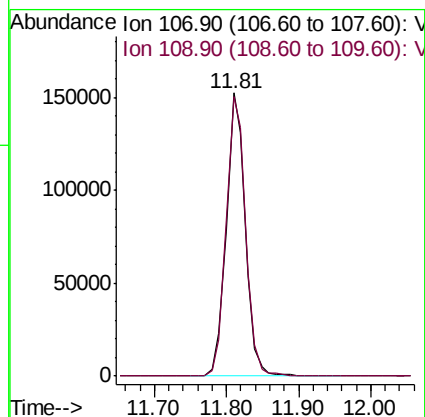
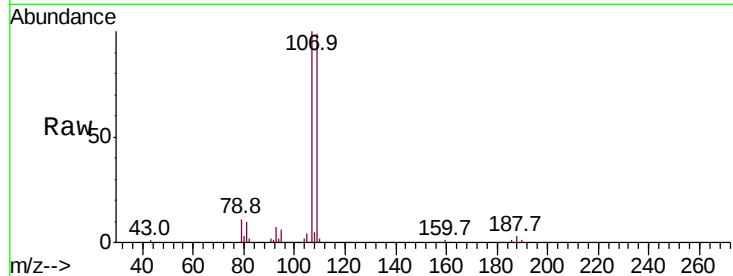
#61
 1,2-Dibromoethane
 Concen: 42.711 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. 0.01 min
 Lab File: VD063188.D
 Acq: 22 Jul 2019 20:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
107	100	276674		
109	98.7	73.6	110.4	

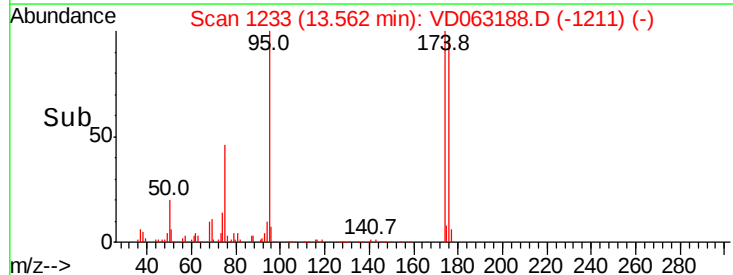
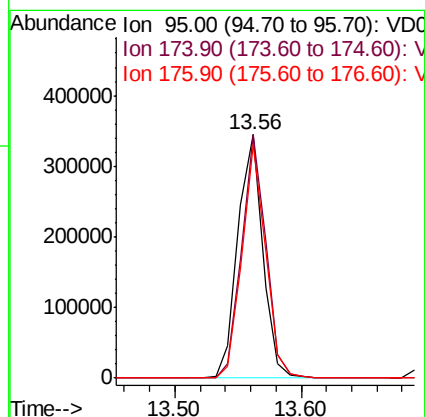
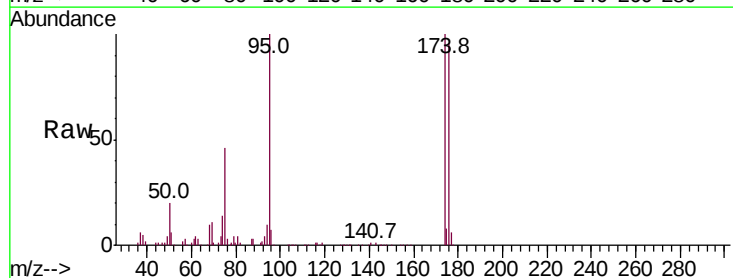
Manual Integrations
 APPROVED

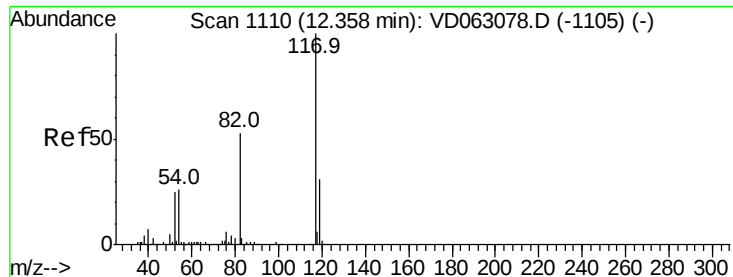
MMDadoda
 7/23/2019 10:40:06 AM



#62
 4-Bromofluorobenzene
 Concen: 47.658 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD063188.D
 Acq: 22 Jul 2019 20:25

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	469624		
174	99.9	0.0	180.6	
176	95.8	0.0	172.2	





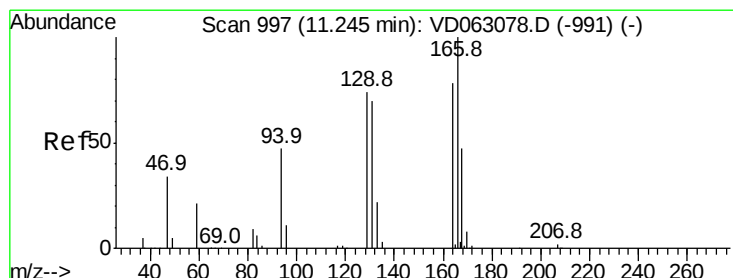
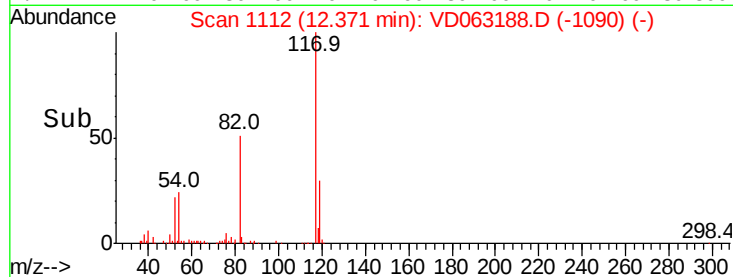
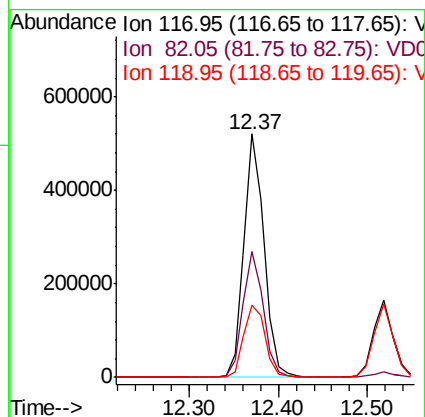
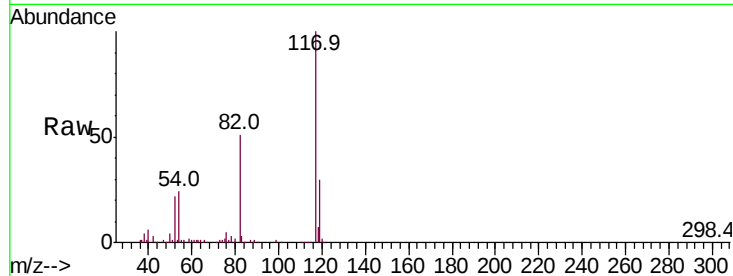
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD063188.D
Acq: 22 Jul 2019 20:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.5	42.3	63.5
119	29.7	25.2	37.8

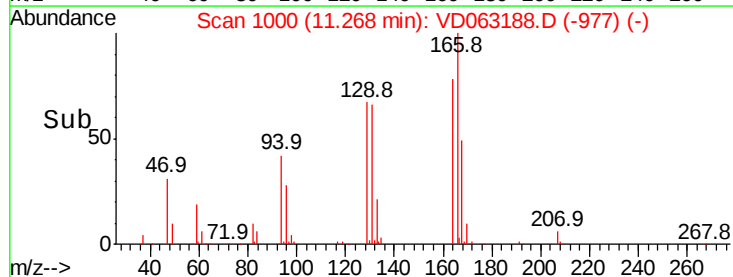
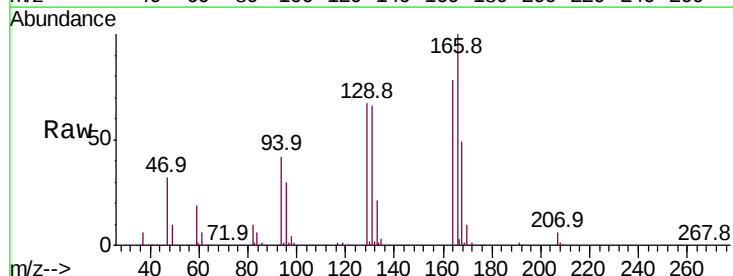
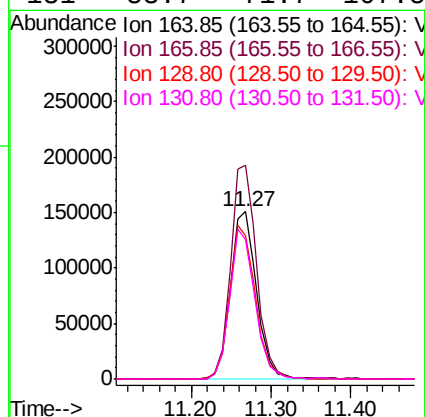
Manual Integrations
APPROVED

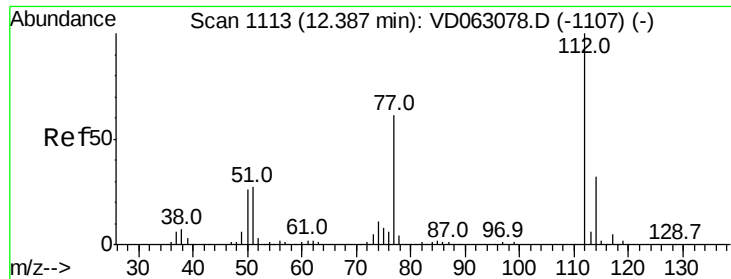
MMDadoda
7/23/2019 10:40:06 AM



#64
Tetrachloroethene
Concen: 43.755 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. 0.02 min
Lab File: VD063188.D
Acq: 22 Jul 2019 20:25

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.5	102.8	154.2
129	85.9	76.4	114.6
131	83.7	71.7	107.5





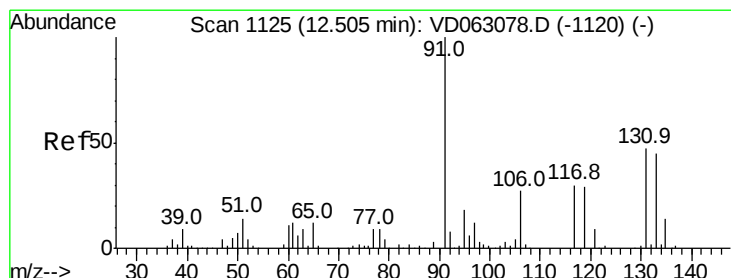
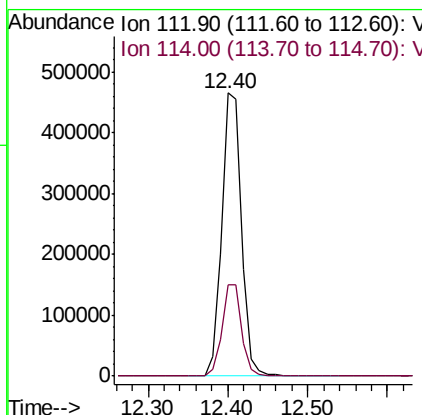
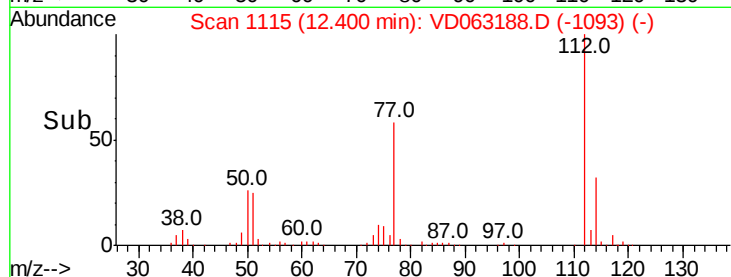
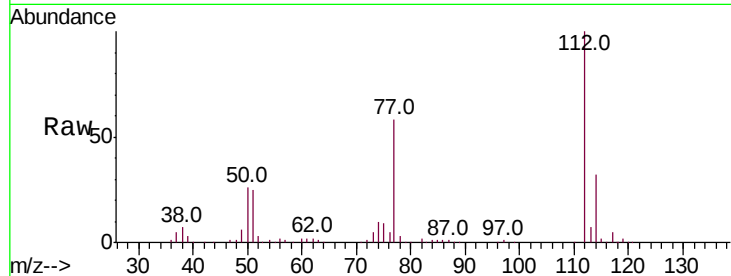
#65
Chlorobenzene
Concen: 42.375 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.01 min
Lab File: VD063188.D
Acq: 22 Jul 2019 20:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 815477
Ion Ratio Lower Upper
112 100
114 32.4 25.9 38.9

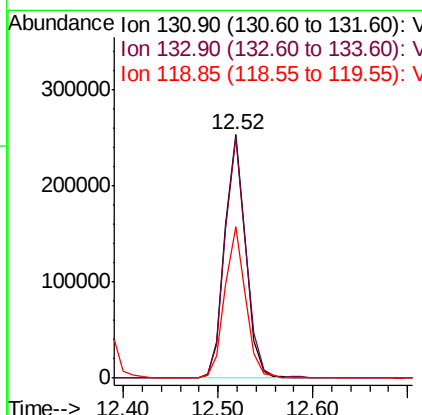
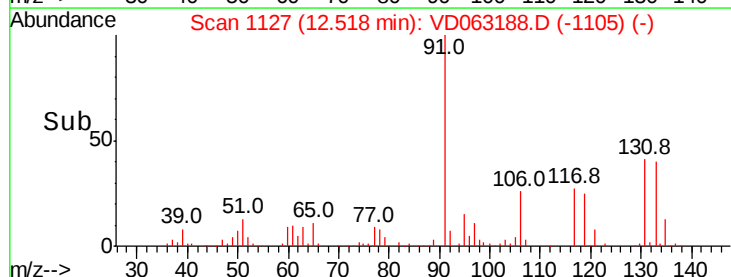
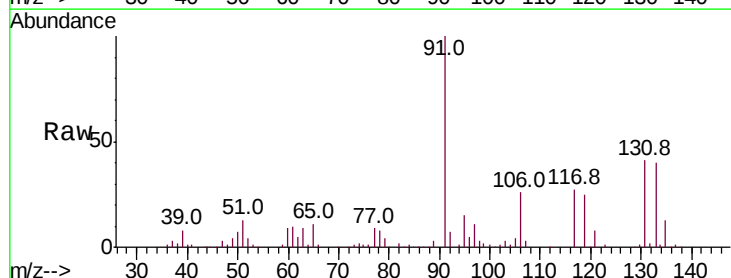
Manual Integrations
APPROVED

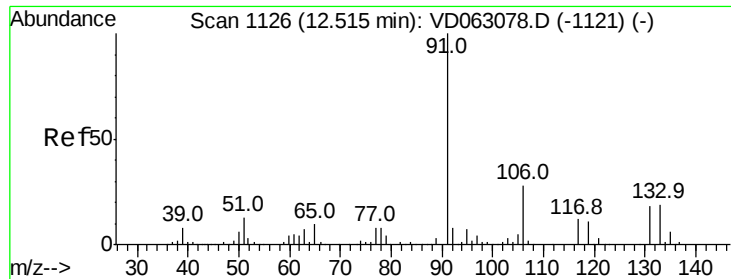
MMDadoda
7/23/2019 10:40:06 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 43.365 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD063188.D
Acq: 22 Jul 2019 20:25

Tgt Ion:131 Resp: 386910
Ion Ratio Lower Upper
131 100
133 99.2 48.5 145.6
119 62.0 30.8 92.3





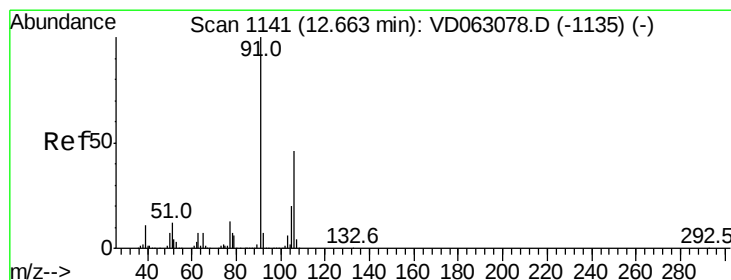
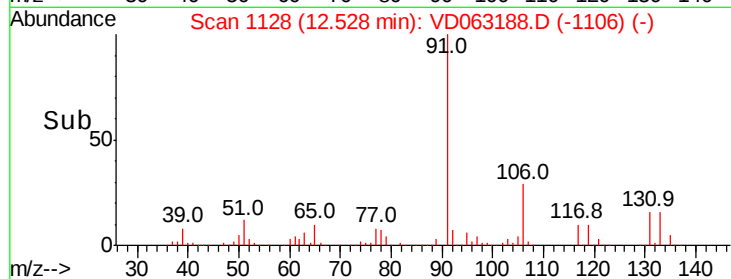
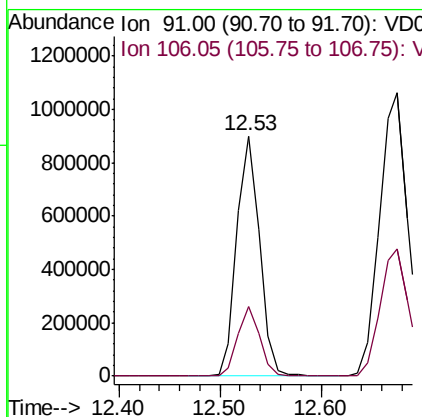
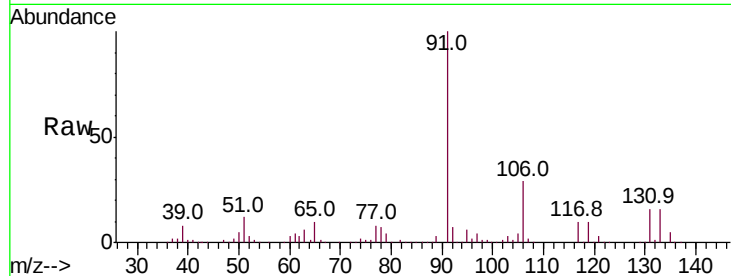
#67
Ethyl Benzene
Concen: 42.305 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD063188.D
Acq: 22 Jul 2019 20:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1414563
Ion Ratio Lower Upper
91 100
106 28.9 22.5 33.7

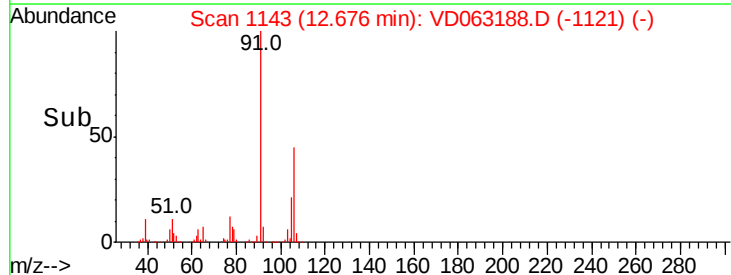
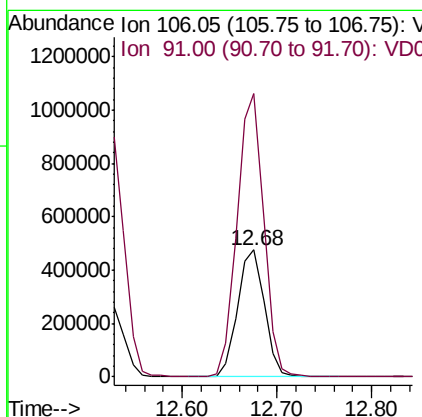
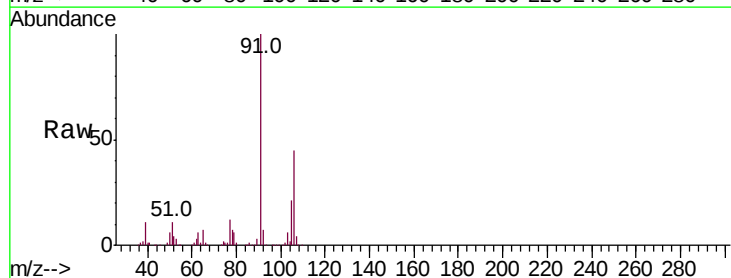
Manual Integrations
APPROVED

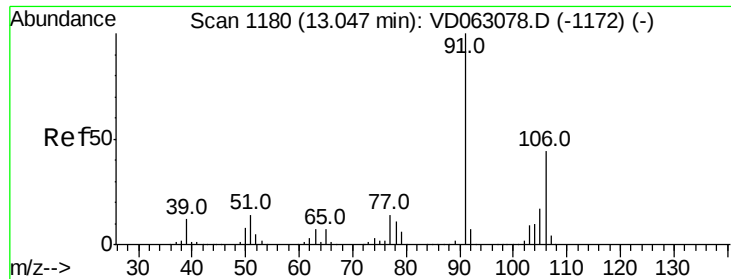
MMDadoda
7/23/2019 10:40:06 AM



#68
m/p-Xylenes
Concen: 78.277 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VD063188.D
Acq: 22 Jul 2019 20:25

Tgt Ion: 106 Resp: 937463
Ion Ratio Lower Upper
106 100
91 223.1 173.0 259.6





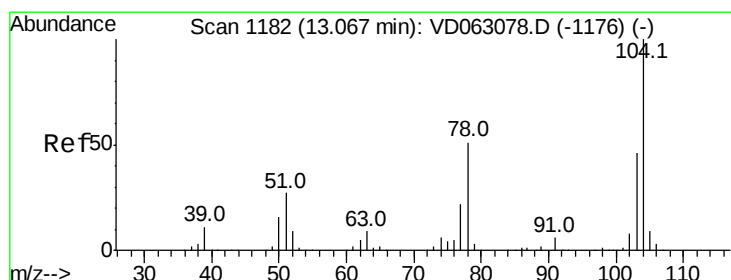
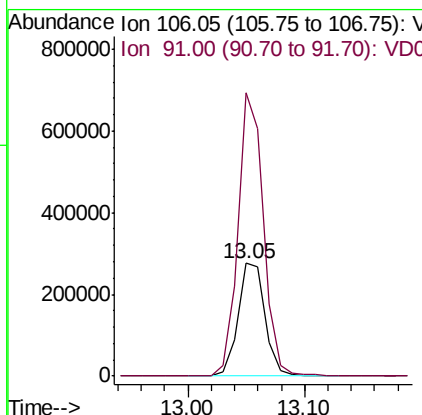
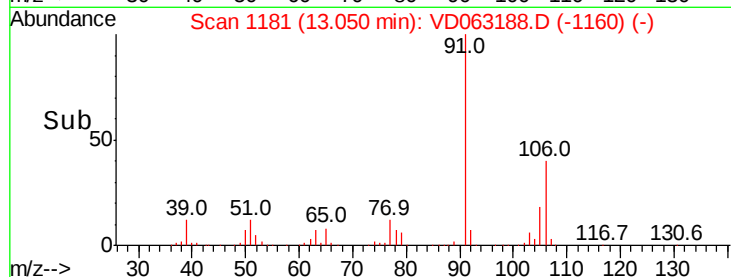
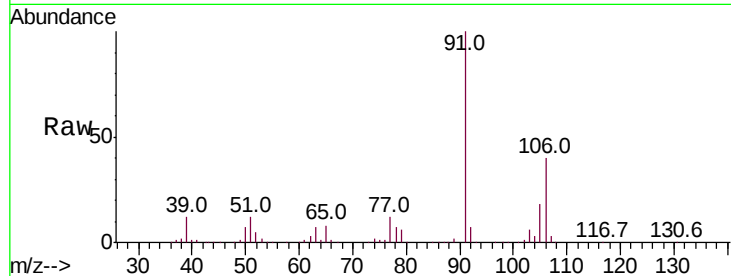
#69
o-Xylene
Concen: 38.964 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VD063188.D
Acq: 22 Jul 2019 20:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 442472
Ion Ratio Lower Upper
106 100
91 251.2 114.9 344.7

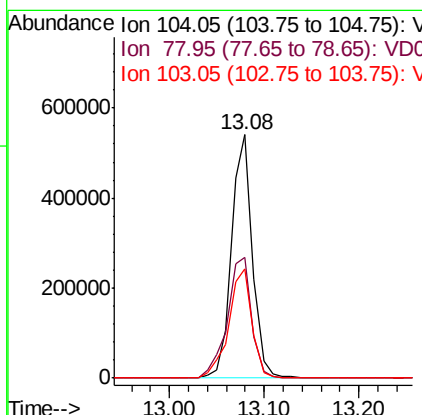
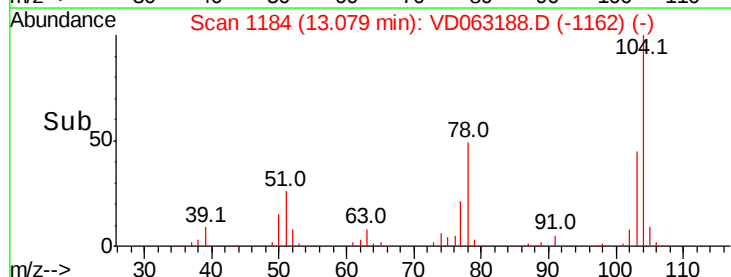
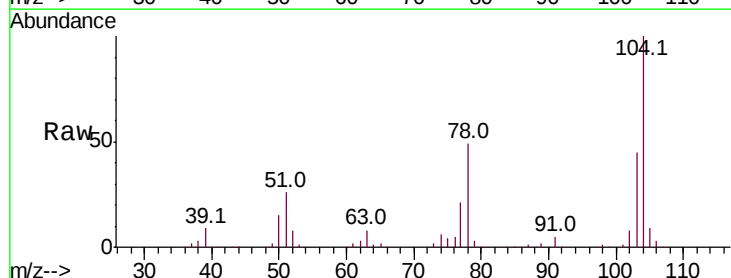
Manual Integrations
APPROVED

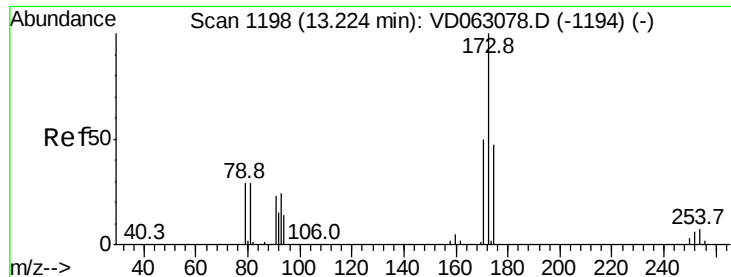
MMDadoda
7/23/2019 10:40:06 AM



#70
Styrene
Concen: 41.331 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VD063188.D
Acq: 22 Jul 2019 20:25

Tgt Ion:104 Resp: 821551
Ion Ratio Lower Upper
104 100
78 49.3 41.1 61.7
103 44.8 37.0 55.6





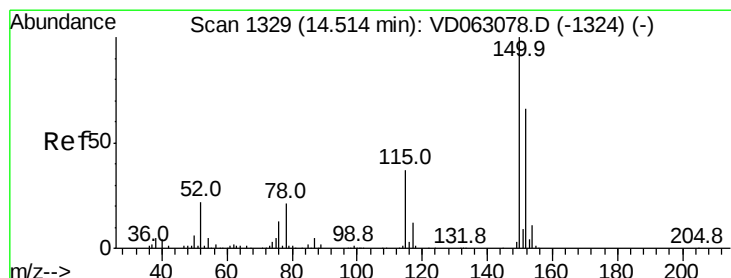
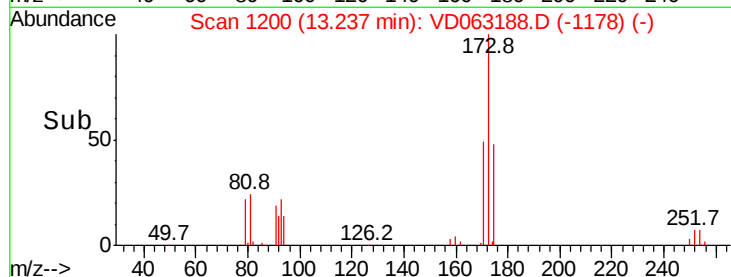
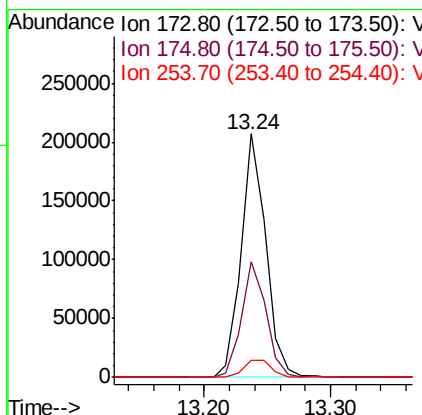
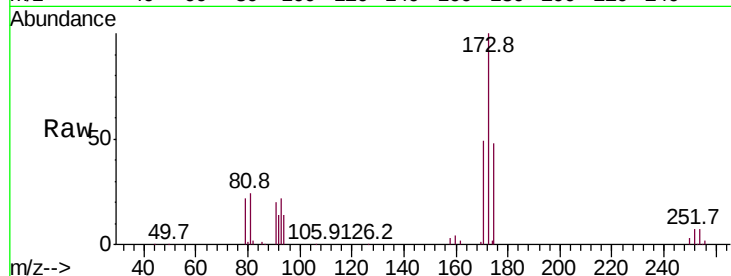
#71
Bromoform
Concen: 44.898 ug/l
RT: 13.24 min Scan# 1200
Delta R.T. 0.01 min
Lab File: VD063188.D
Acq: 22 Jul 2019 20:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.7	23.4	70.2
254	6.9	5.4	8.0

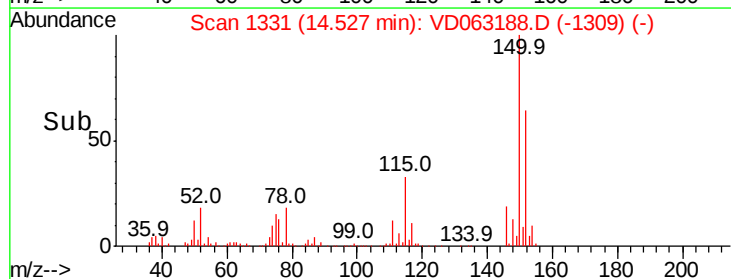
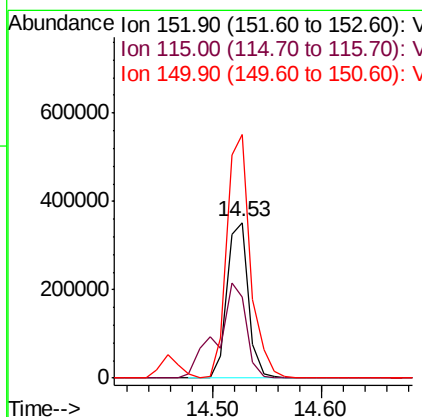
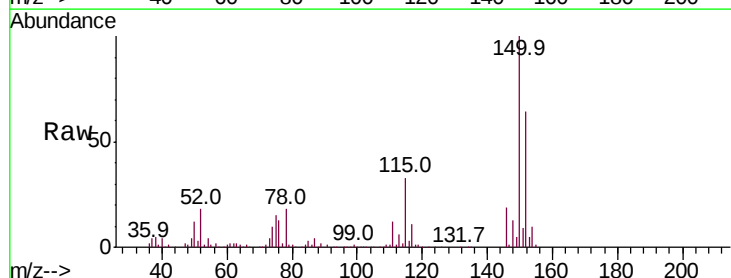
Manual Integrations
APPROVED

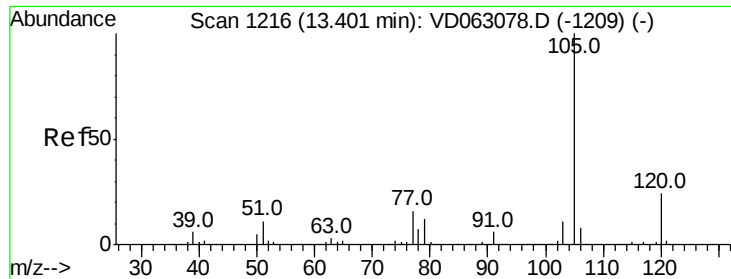
MMDadoda
7/23/2019 10:40:06 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD063188.D
Acq: 22 Jul 2019 20:25

Tgt Ion	Ratio	Lower	Upper
152	100		
115	52.1	28.9	86.8
150	156.6	0.0	313.8





#73

Isopropylbenzene

Concen: 40.947 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VD063188.D

Acq: 22 Jul 2019 20:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1539964

Ion Ratio Lower Upper

105 100

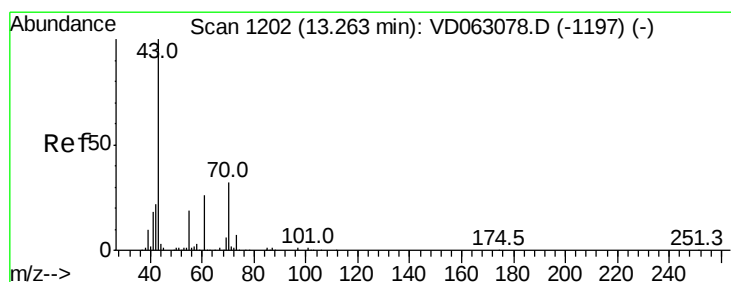
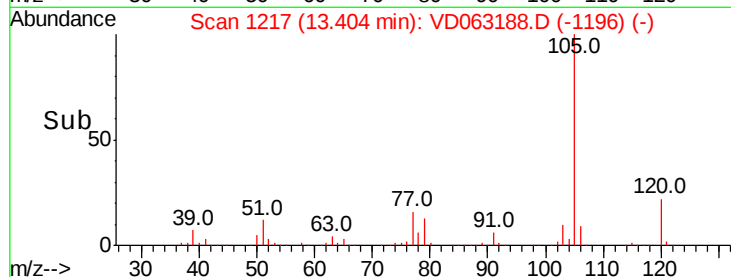
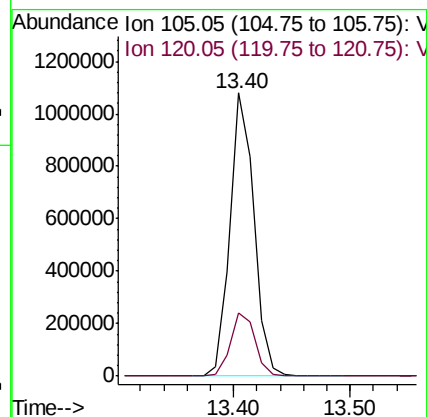
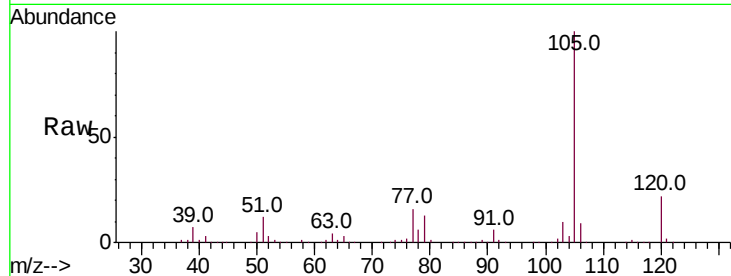
120 22.5 12.2 36.4

Manual Integrations

APPROVED

MMDadoda

7/23/2019 10:40:06 AM



#74

N-ethyl acetate

Concen: 34.931 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VD063188.D

Acq: 22 Jul 2019 20:25

Tgt Ion: 43 Resp: 366380

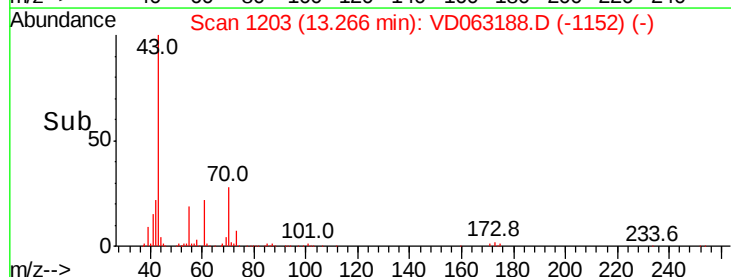
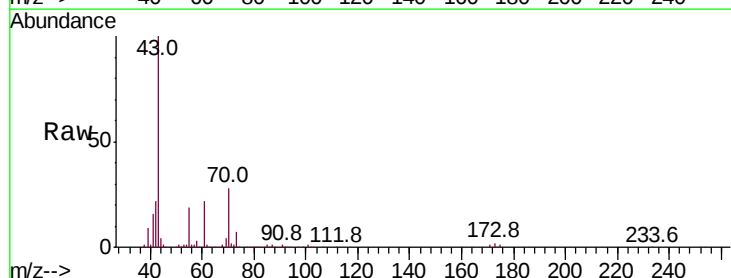
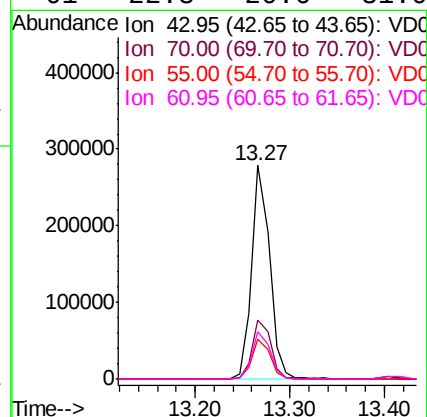
Ion Ratio Lower Upper

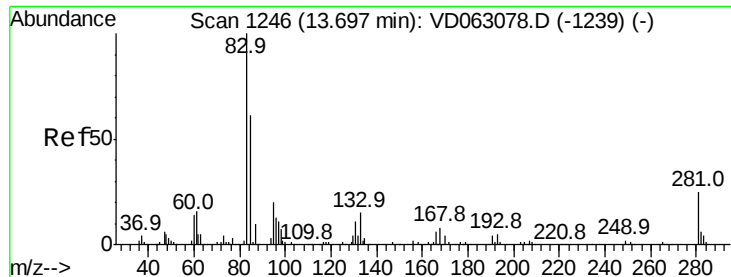
43 100

70 27.7 25.5 38.3

55 18.8 15.4 23.0

61 22.3 20.6 31.0





#75

1,1,2,2-Tetrachloroethane

Concen: 37.277 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.00 min

Lab File: VD063188.D

Acq: 22 Jul 2019 20:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 255076

Ion Ratio Lower Upper

83 100

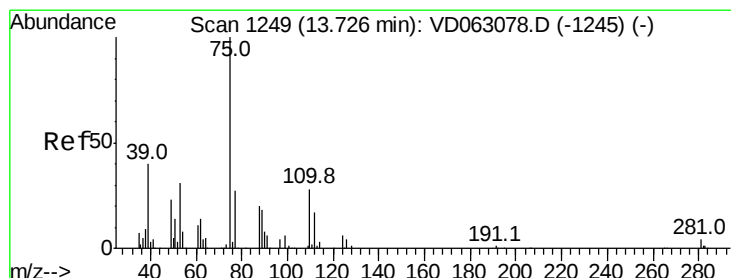
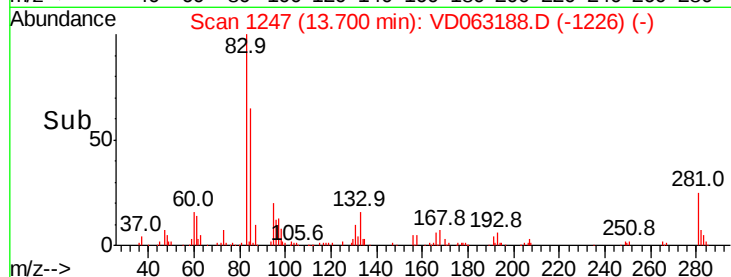
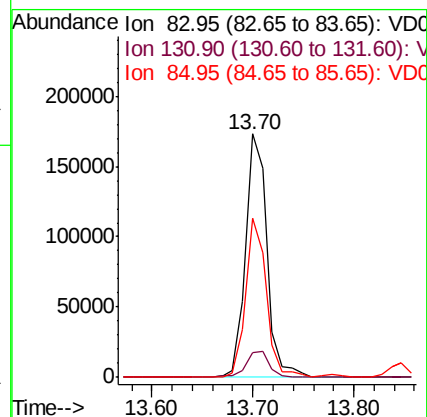
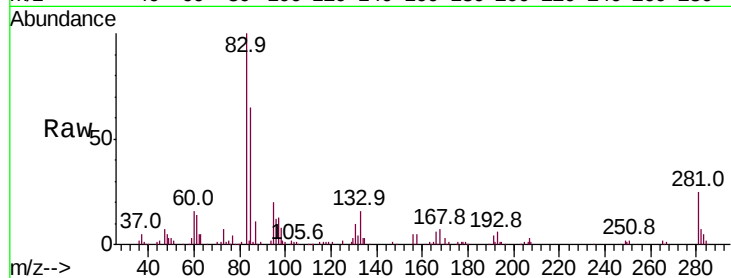
131 10.1 5.5 16.7

85 65.4 30.7 92.1

Manual Integrations
APPROVED

MMDadoda

7/23/2019 10:40:06 AM



#76

1,2,3-Trichloropropane

Concen: 36.831 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD063188.D

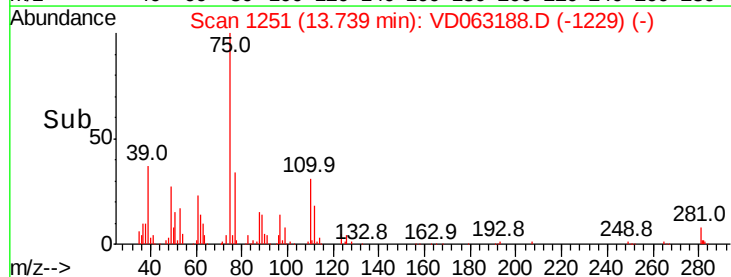
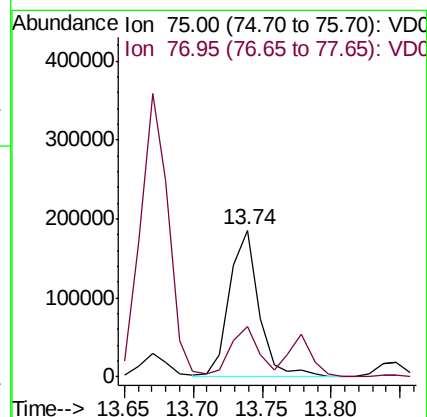
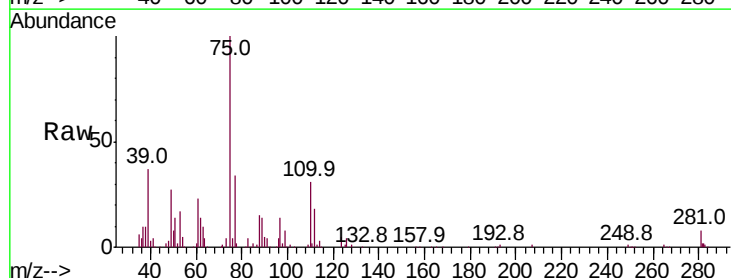
Acq: 22 Jul 2019 20:25

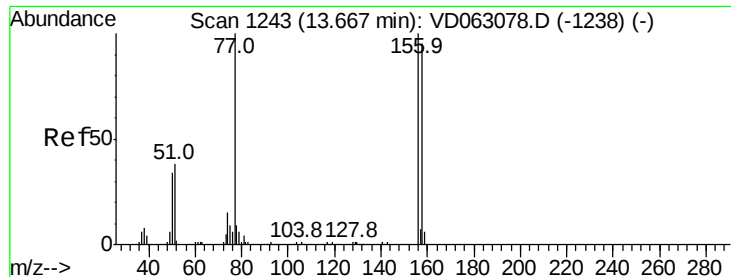
Tgt Ion: 75 Resp: 275908

Ion Ratio Lower Upper

75 100

77 34.0 16.3 48.8





#77

Bromobenzene

Concen: 38.821 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.00 min

Lab File: VD063188.D

Acq: 22 Jul 2019 20:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 414029

Ion Ratio Lower Upper

156 100

77 125.3 50.2 150.7

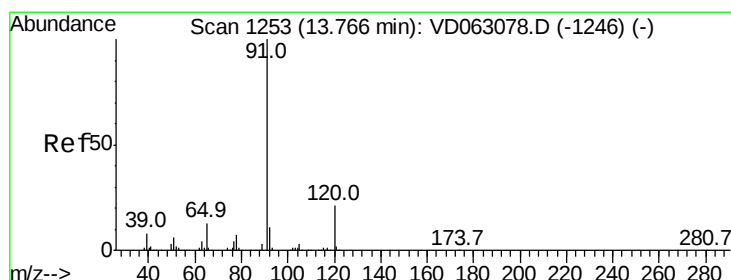
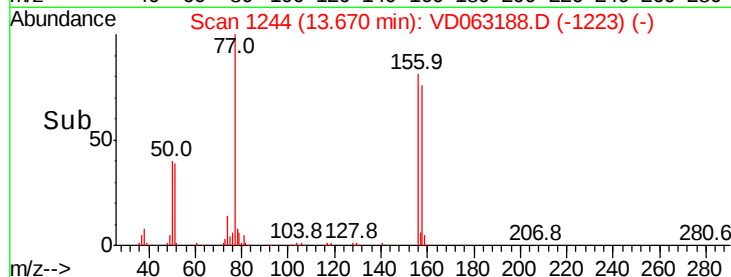
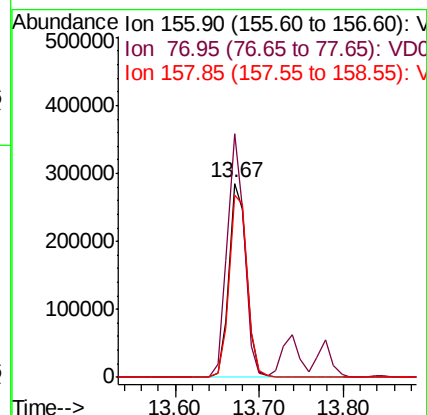
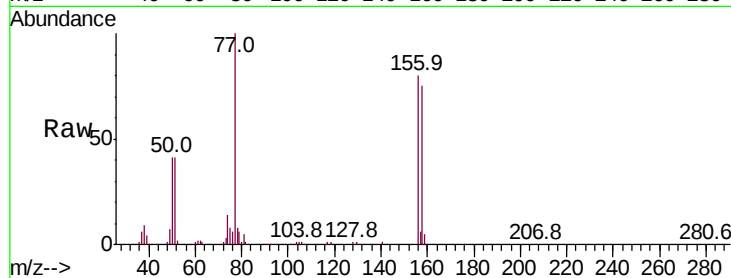
158 93.8 47.6 142.9

Manual Integrations

APPROVED

MMDadoda

7/23/2019 10:40:06 AM



#78

n-propylbenzene

Concen: 36.661 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD063188.D

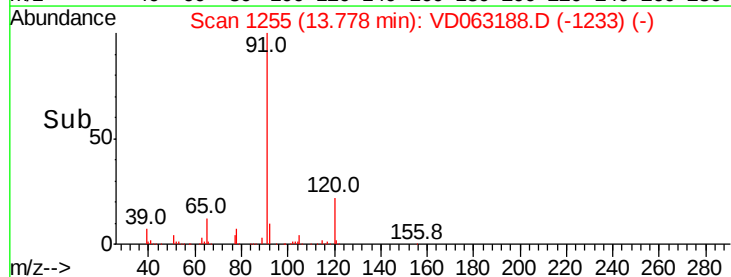
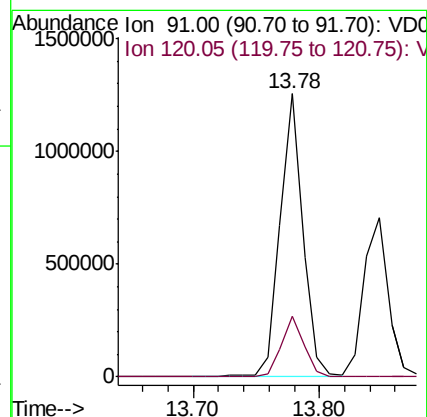
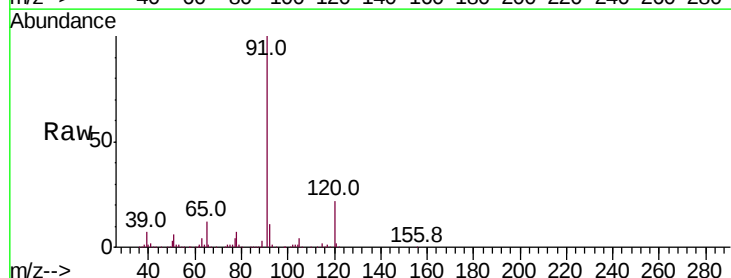
Acq: 22 Jul 2019 20:25

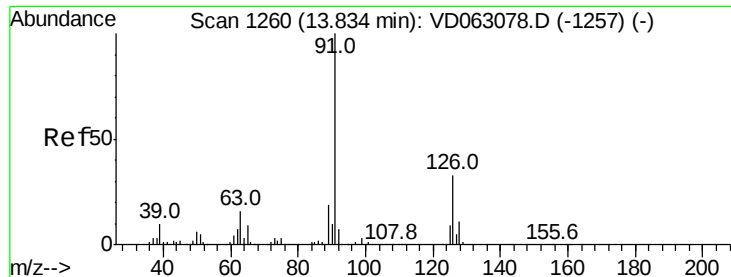
Tgt Ion: 91 Resp: 1586665

Ion Ratio Lower Upper

91 100

120 21.6 10.5 31.6





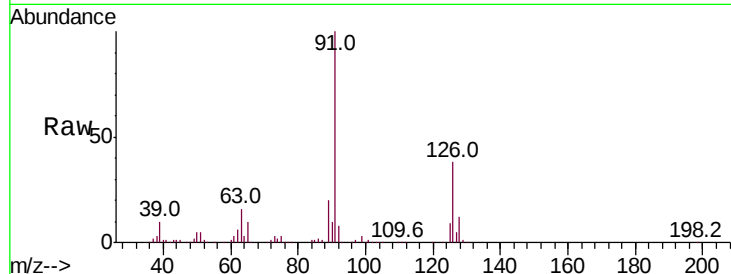
#79
 2-Chlorotoluene
 Concen: 36.682 ug/l
 RT: 13.85 min Scan# 1262
 Delta R.T. 0.01 min
 Lab File: VD063188.D
 Acq: 22 Jul 2019 20:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

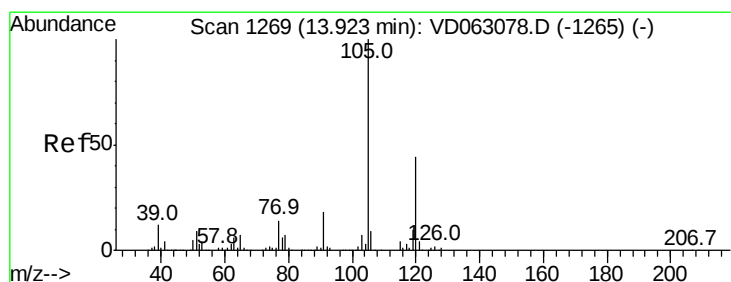
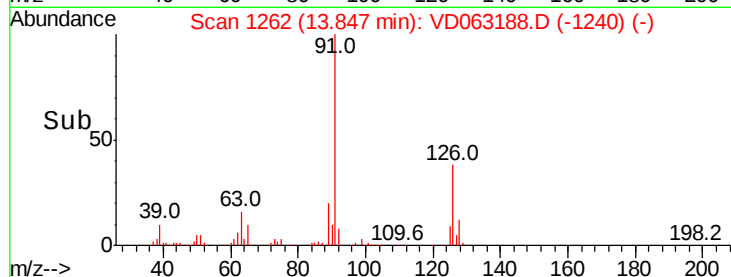
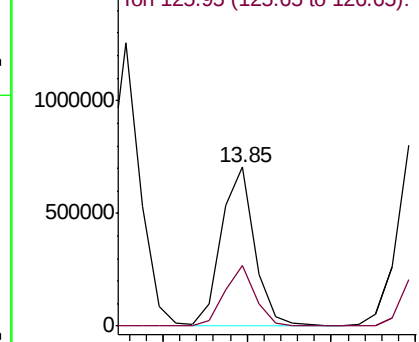
Tot Ion: 91 Resp: 959879
 Ion Ratio Lower Upper
 91 100
 126 38.2 16.4 49.2

Manual Integrations
 APPROVED

MMDadoda
 7/23/2019 10:40:06 AM

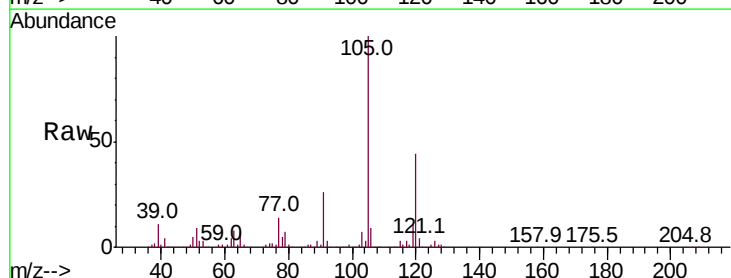


Abundance Ion 91.00 (90.70 to 91.70): VD
 Ion 125.95 (125.65 to 126.65): V

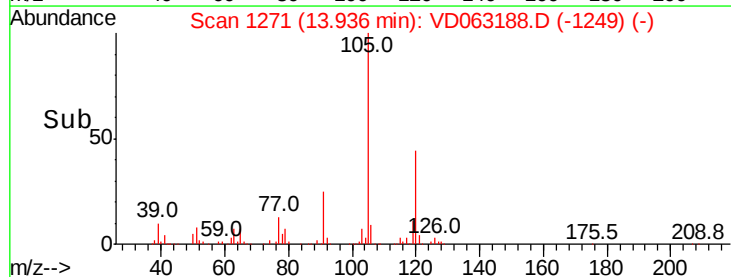
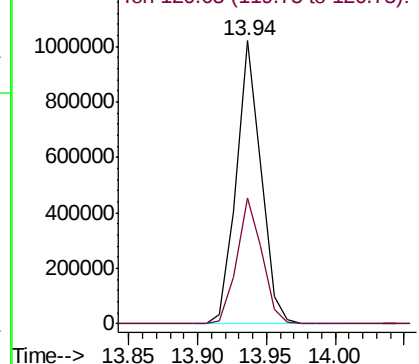


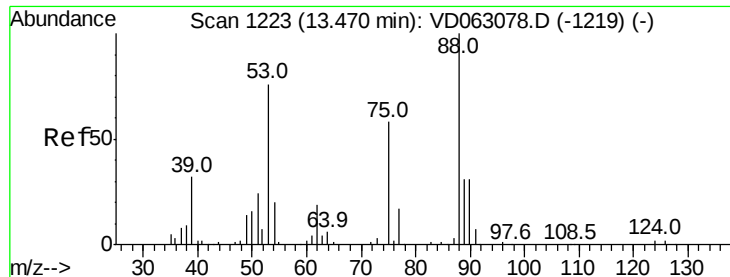
#80
 1,3,5-Trimethylbenzene
 Concen: 38.907 ug/l
 RT: 13.94 min Scan# 1271
 Delta R.T. 0.01 min
 Lab File: VD063188.D
 Acq: 22 Jul 2019 20:25

Tgt Ion:105 Resp: 1275287
 Ion Ratio Lower Upper
 105 100
 120 44.3 21.8 65.4



Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 120.05 (119.75 to 120.75): V





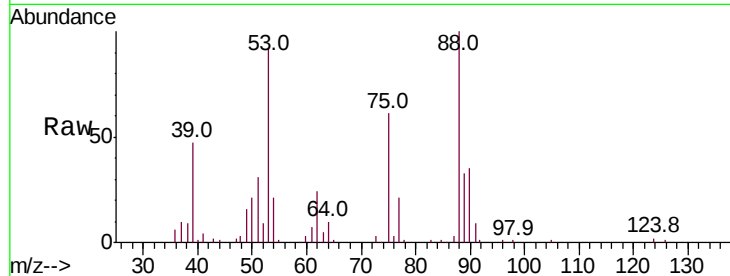
#81
trans-1,4-Dichloro-2-butene
Concen: 35.018 ug/l
RT: 13.47 min Scan# 1224
Delta R.T. 0.00 min
Lab File: VD063188.D
Acq: 22 Jul 2019 20:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

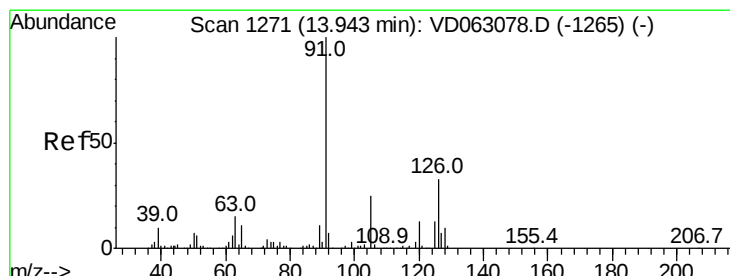
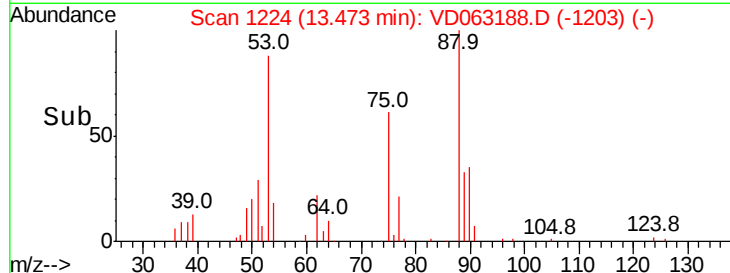
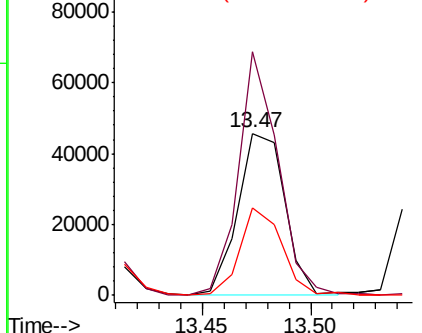
Tot Ion	Ratio	Lower	Upper
75	100		
53	150.1	104.4	156.6
89	53.6	43.1	64.7

Manual Integrations
APPROVED

MMDadoda
7/23/2019 10:40:06 AM

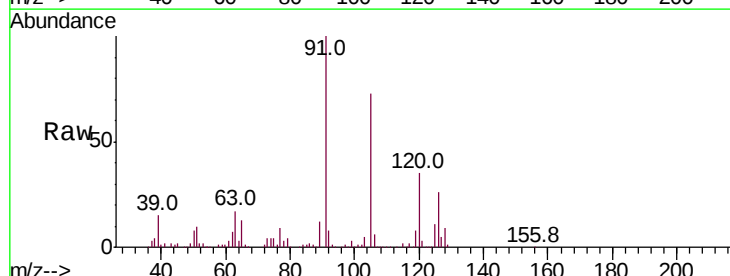


Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC

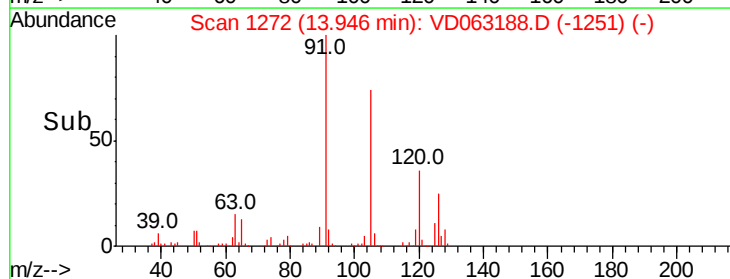
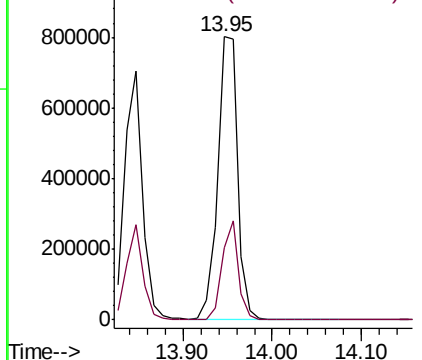


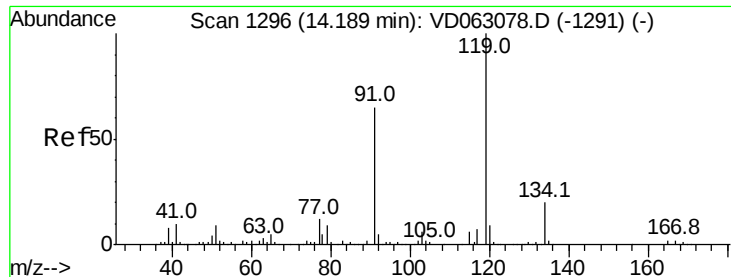
#82
4-Chlorotoluene
Concen: 41.219 ug/l
RT: 13.95 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VD063188.D
Acq: 22 Jul 2019 20:25

Tgt Ion	Ratio	Lower	Upper
91	100		
126	25.7	16.7	50.1



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V





#83

tert-Butylbenzene

Concen: 35.388 ug/l

RT: 14.19 min Scan# 1297

Delta R.T. 0.00 min

Lab File: VD063188.D

Acq: 22 Jul 2019 20:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:119 Resp: 1311554

Ion Ratio Lower Upper

119 100

91 76.4 32.4 97.2

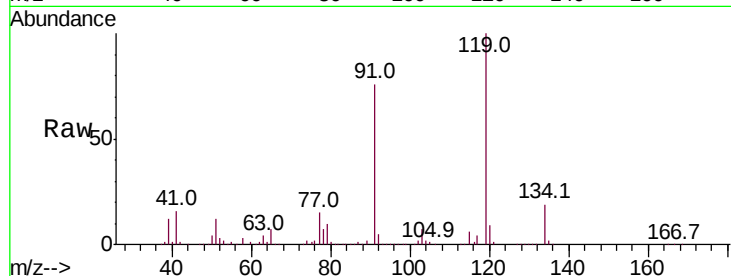
134 19.2 10.2 30.6

Manual Integrations

APPROVED

MMDadoda

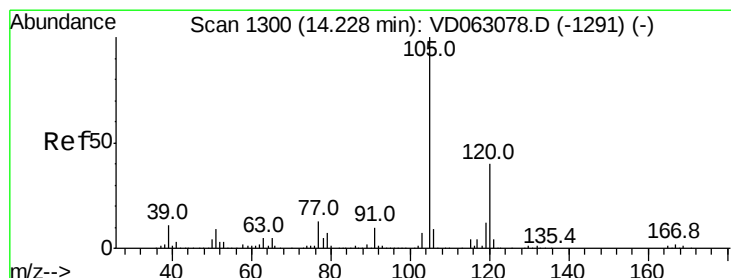
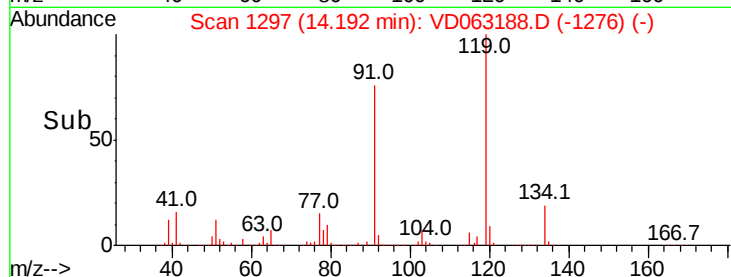
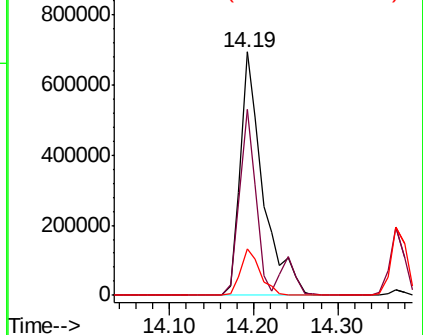
7/23/2019 10:40:06 AM



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: 38.534 ug/l

RT: 14.24 min Scan# 1302

Delta R.T. 0.01 min

Lab File: VD063188.D

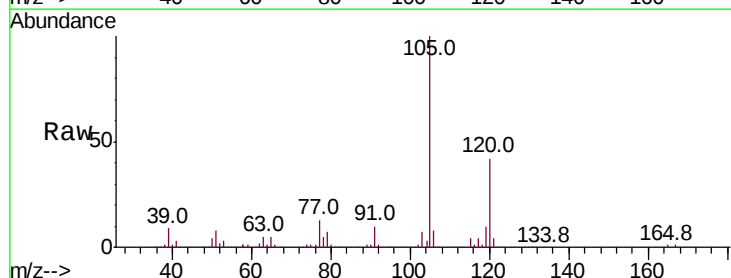
Acq: 22 Jul 2019 20:25

Tgt Ion:105 Resp: 1259208

Ion Ratio Lower Upper

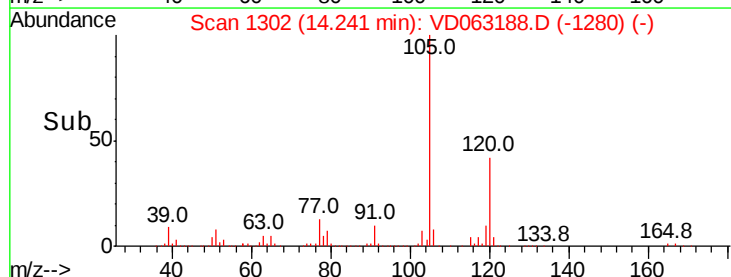
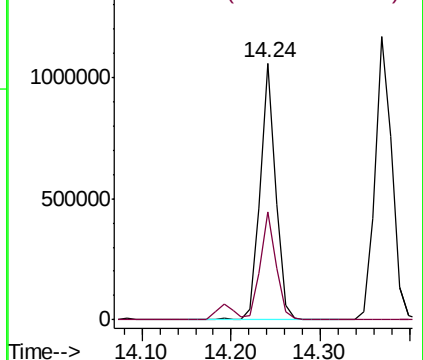
105 100

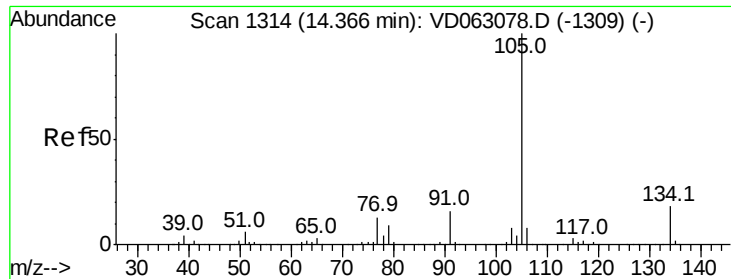
120 42.1 20.2 60.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





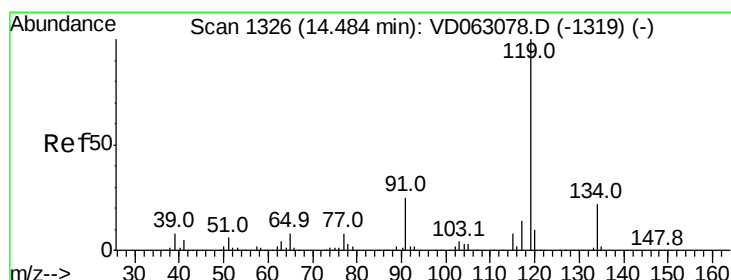
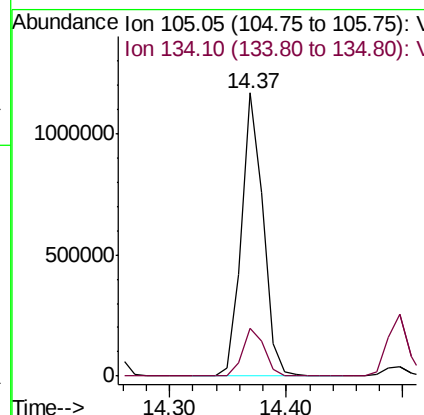
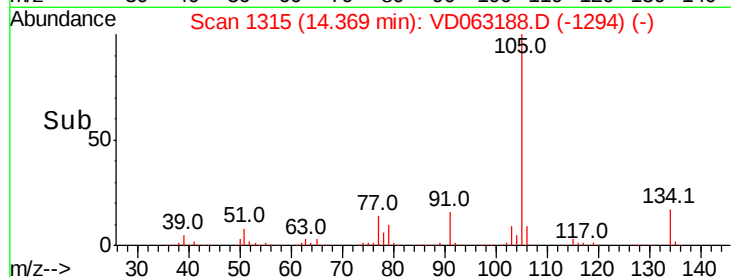
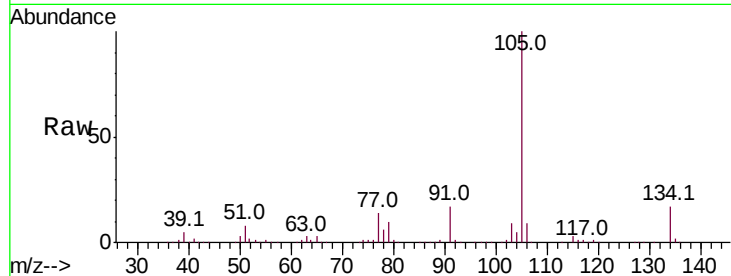
#85
 sec-Butylbenzene
 Concen: 38.000 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VD063188.D
 Acq: 22 Jul 2019 20:25

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050EC

Tot Ion:105 Resp: 1496358
 Ion Ratio Lower Upper
 105 100
 134 16.8 8.9 26.8

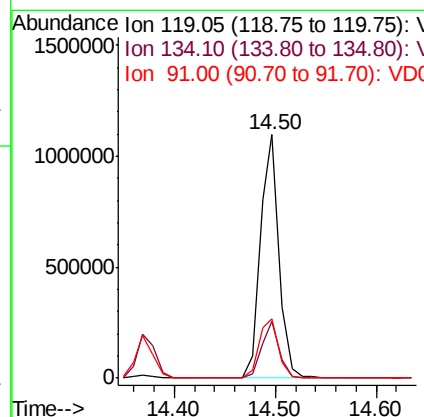
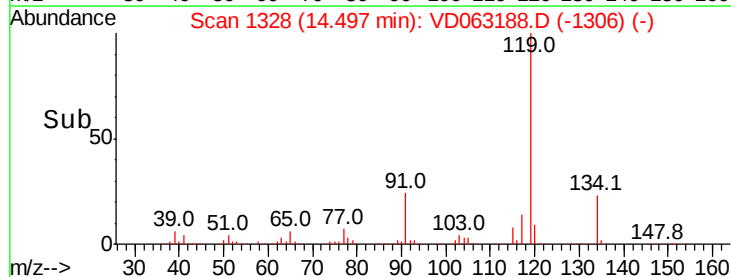
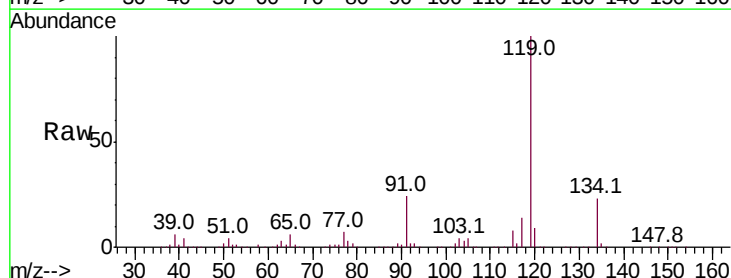
Manual Integrations
 APPROVED

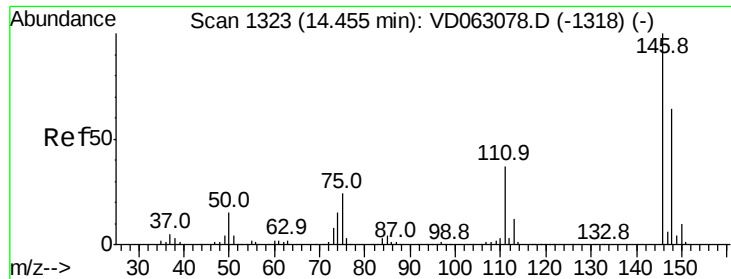
MMDadoda
 7/23/2019 10:40:06 AM



#86
 p-Isopropyltoluene
 Concen: 38.494 ug/l
 RT: 14.50 min Scan# 1328
 Delta R.T. 0.01 min
 Lab File: VD063188.D
 Acq: 22 Jul 2019 20:25

Tgt Ion:119 Resp: 1414042
 Ion Ratio Lower Upper
 119 100
 134 23.2 10.8 32.4
 91 24.2 12.5 37.5





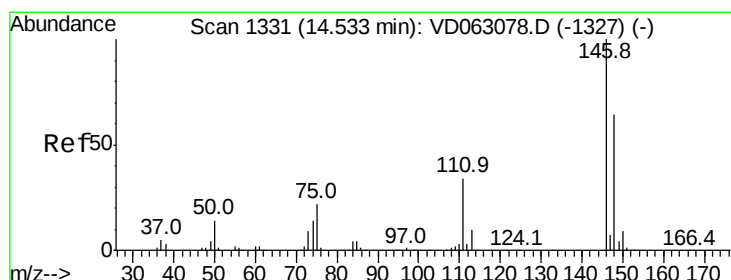
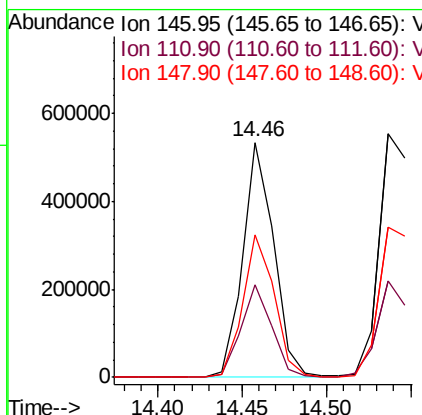
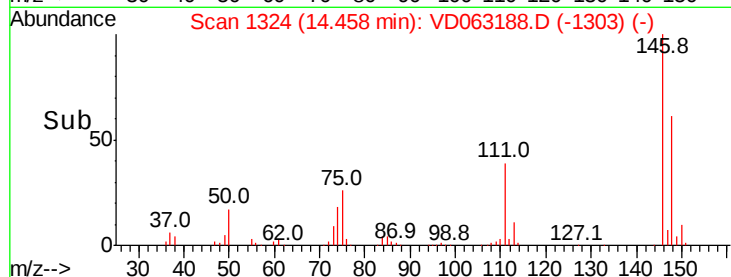
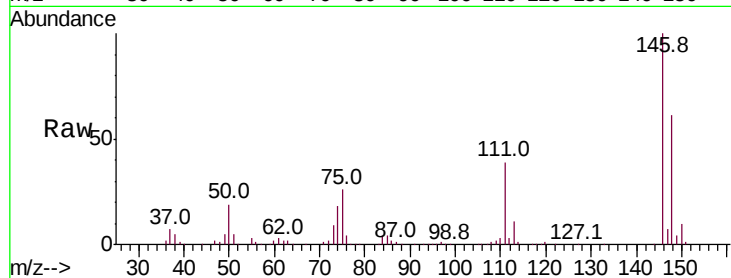
#87
 1,3-Dichlorobenzene
 Concen: 35.827 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VD063188.D
 Acq: 22 Jul 2019 20:25

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	18.6	55.6
148	60.8	32.0	96.0

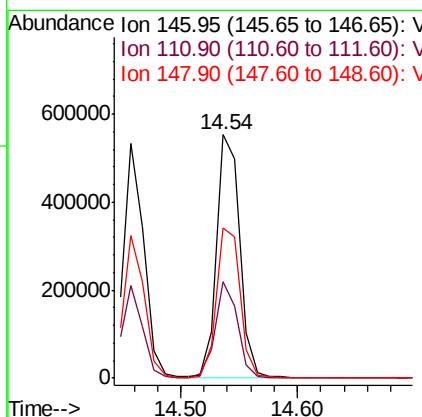
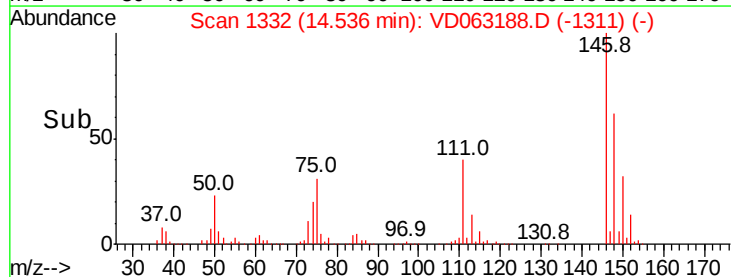
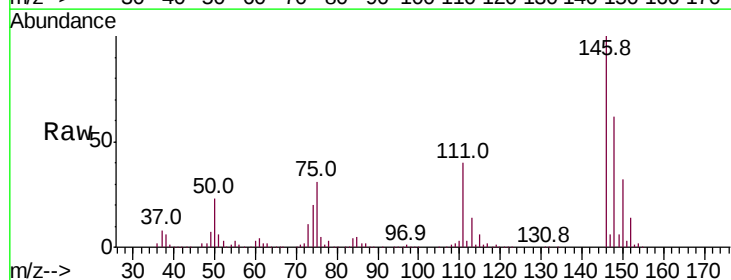
Manual Integrations
 APPROVED

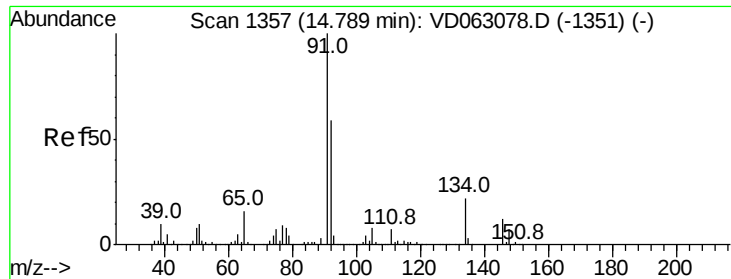
MMDadoda
 7/23/2019 10:40:06 AM



#88
 1,4-Dichlorobenzene
 Concen: 41.660 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.00 min
 Lab File: VD063188.D
 Acq: 22 Jul 2019 20:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.7	17.0	51.0
148	61.9	32.0	96.2





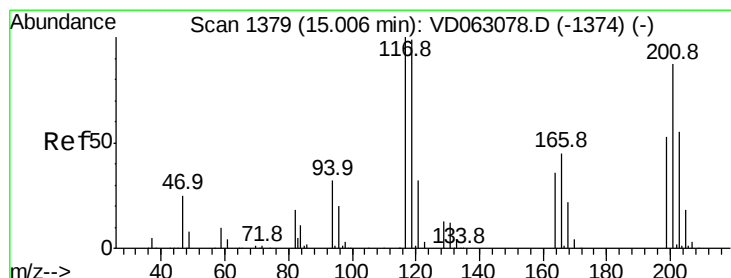
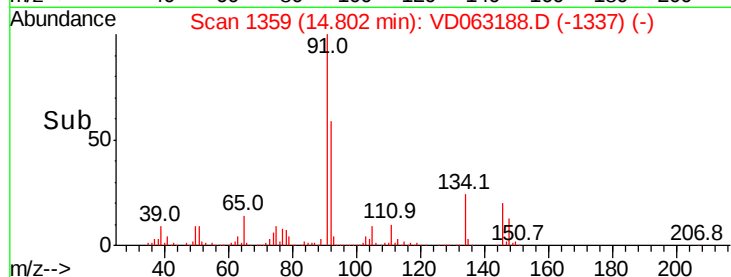
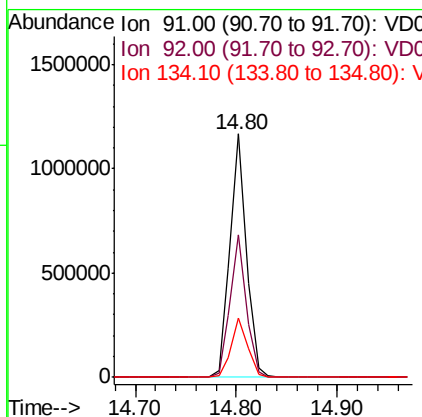
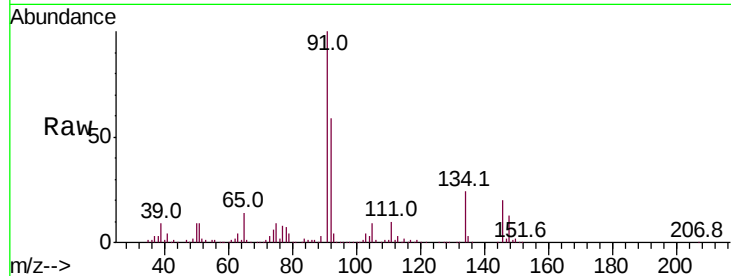
#89
n-Butylbenzene
Concen: 39.184 ug/l
RT: 14.80 min Scan# 1359
Delta R.T. 0.01 min
Lab File: VD063188.D
Acq: 22 Jul 2019 20:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	58.7	29.4	88.3
134	24.3	11.3	33.8

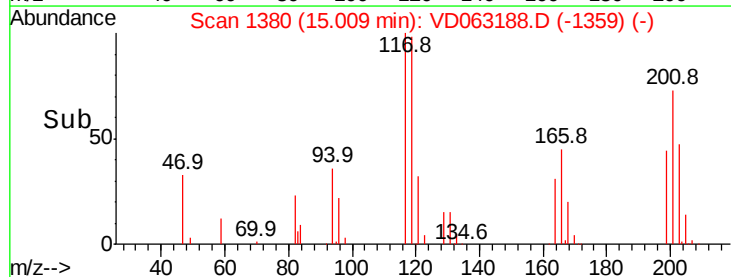
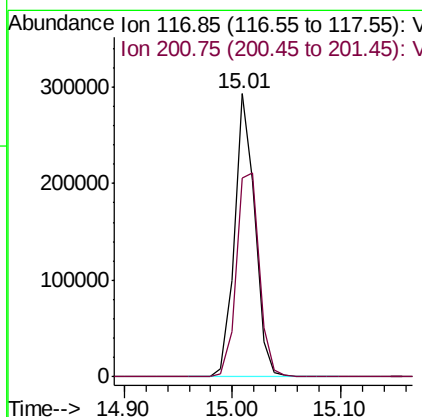
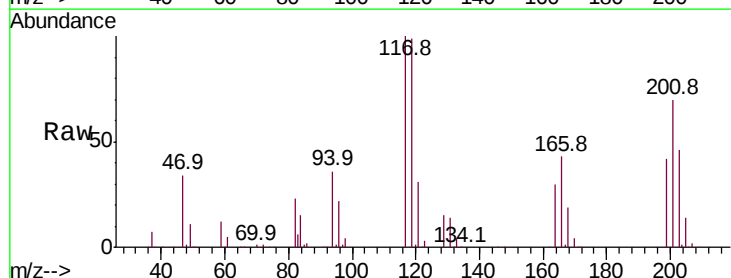
Manual Integrations
APPROVED

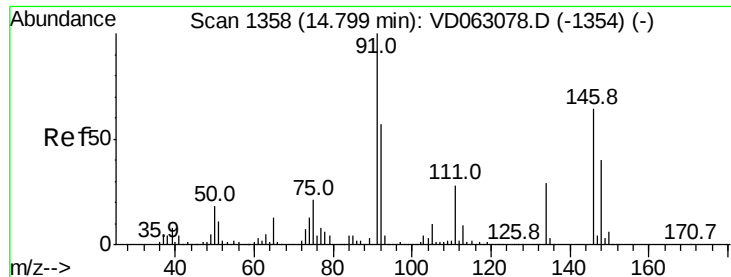
MMDadoda
7/23/2019 10:40:06 AM



#90
Hexachloroethane
Concen: 39.145 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. 0.00 min
Lab File: VD063188.D
Acq: 22 Jul 2019 20:25

Tgt Ion	Ratio	Lower	Upper
117	100		
201	70.4	43.4	130.1





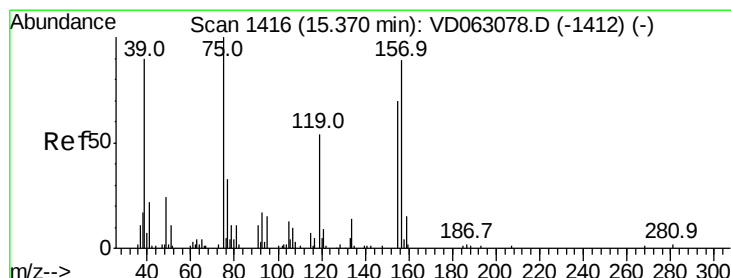
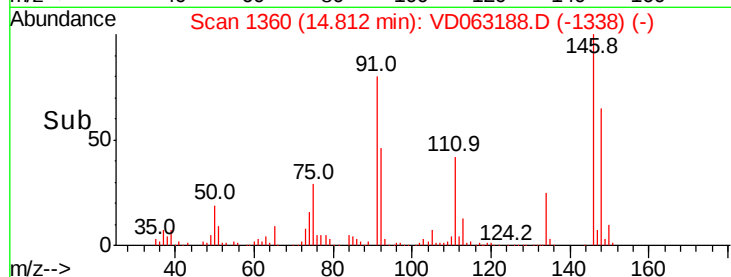
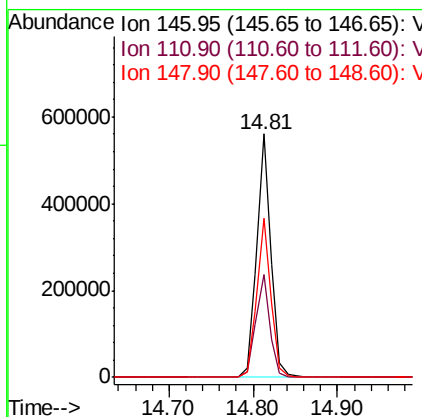
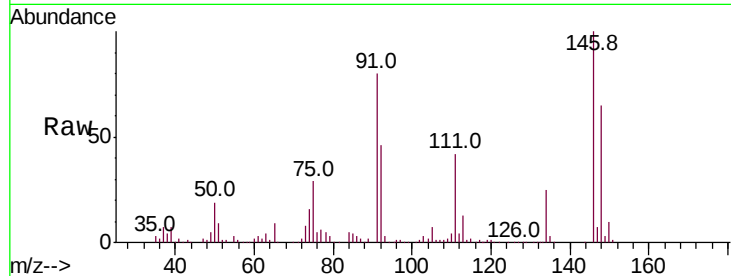
#91
 1,2-Dichlorobenzene
 Concen: 39.576 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.01 min
 Lab File: VD063188.D
 Acq: 22 Jul 2019 20:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.9	65.5
148	65.2	31.5	94.5

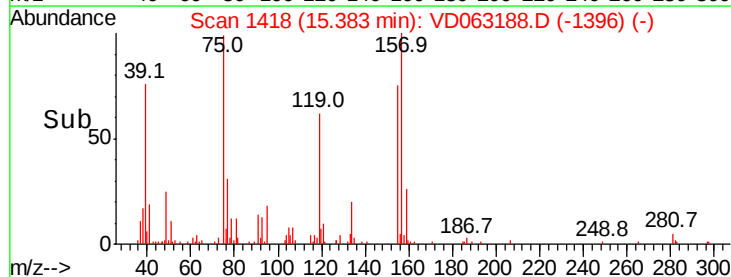
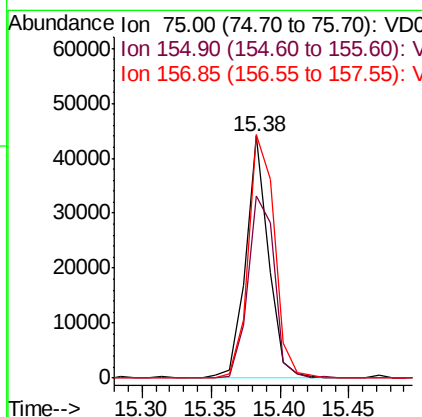
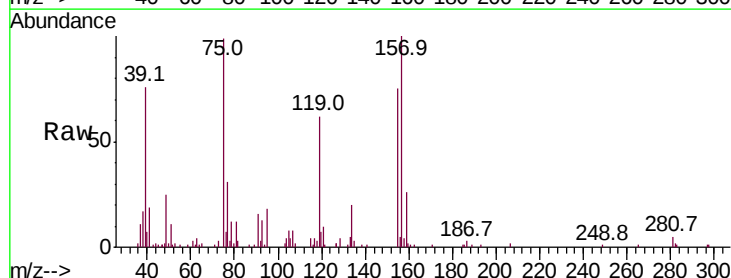
Manual Integrations
 APPROVED

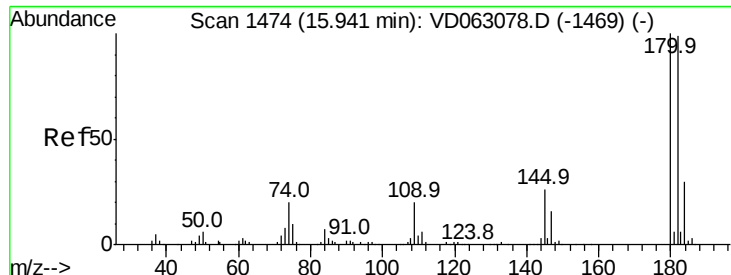
MMDadoda
 7/23/2019 10:40:06 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 38.804 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.01 min
 Lab File: VD063188.D
 Acq: 22 Jul 2019 20:25

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.5	34.8	104.3
157	100.7	44.7	134.1





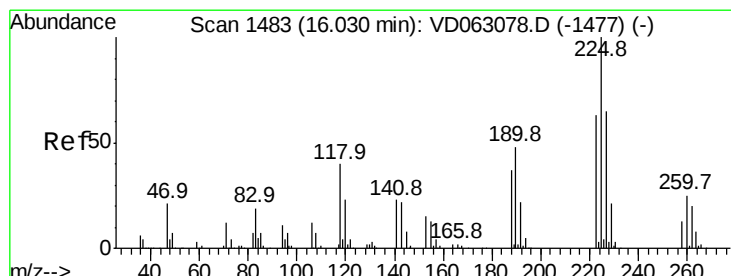
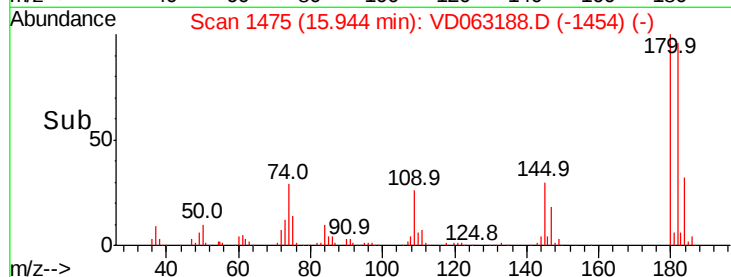
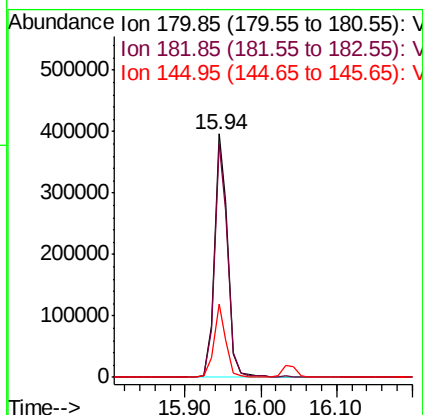
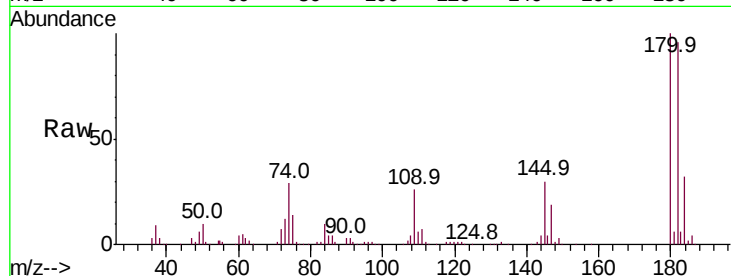
#93
 1,2,4-Trichlorobenzene
 Concen: 38.546 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD063188.D
 Acq: 22 Jul 2019 20:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	49.5	148.3
145	30.1	12.8	38.4

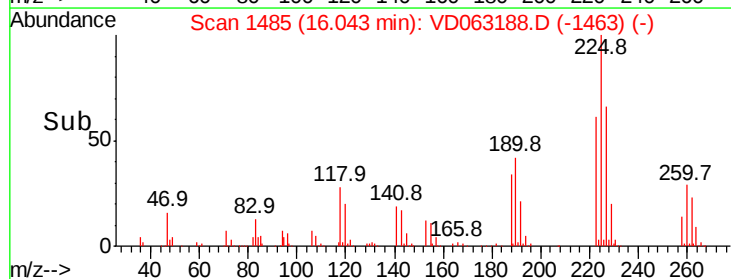
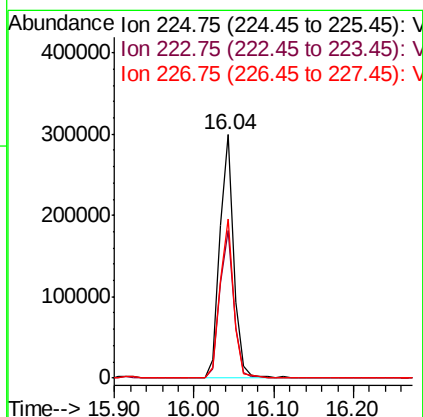
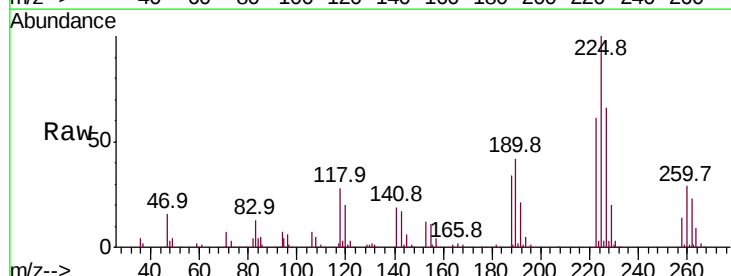
Manual Integrations
 APPROVED

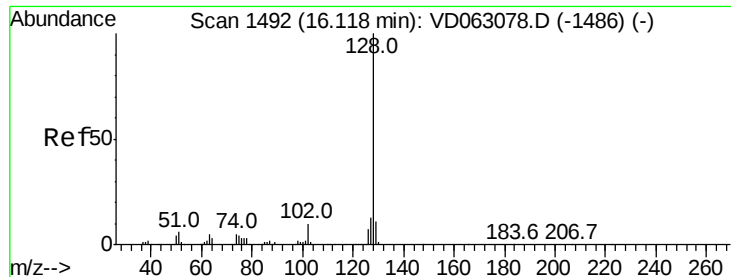
MMDadoda
 7/23/2019 10:40:06 AM



#94
 Hexachlorobutadiene
 Concen: 39.686 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD063188.D
 Acq: 22 Jul 2019 20:25

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.6	31.4	94.2
227	65.6	32.6	97.8





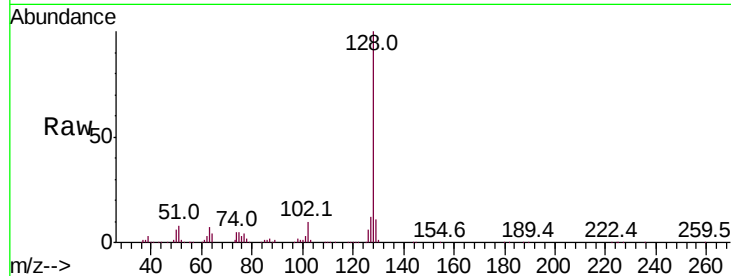
#95
Naphthalene
Concen: 39.787 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD063188.D
Acq: 22 Jul 2019 20:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

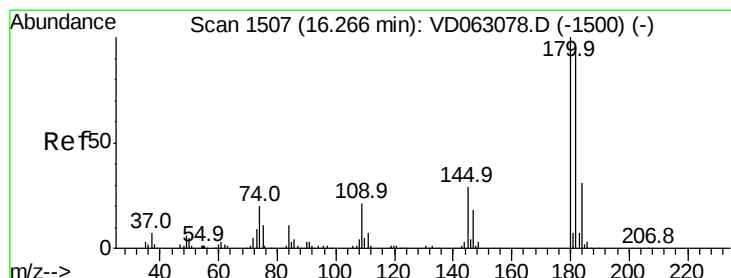
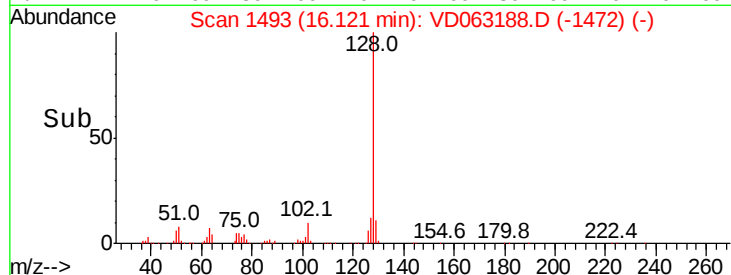
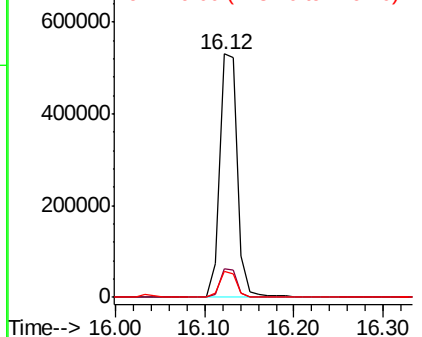
Tot Ion	Ratio	Lower	Upper
128	100		
127	11.9	10.7	16.1
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
7/23/2019 10:40:06 AM

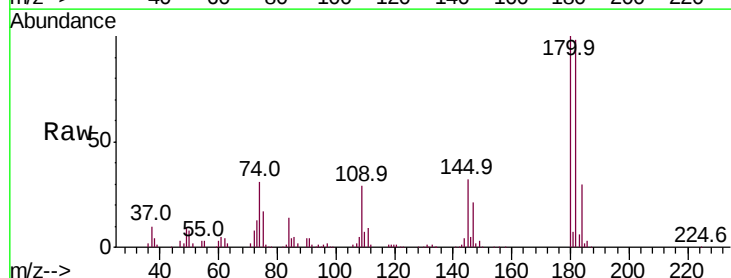


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 39.099 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VD063188.D
Acq: 22 Jul 2019 20:25

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.6	47.9	143.6
145	31.7	14.4	43.4



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

