

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041720\
 Data File : VD065657.D
 Acq On : 17 Apr 2020 21:13
 Operator : VA/SY
 Sample : VD0417SBS01
 Misc : 5.65G/5.00ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0417SBS01

Manual Integrations
 APPROVED

MMDadoda
 4/20/2020 4:28:26 PM

Quant Time: Apr 20 08:26:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 15 19:43:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	209412	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	307779	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	298171	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	157665	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	93789	52.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.30%	
35) Dibromofluoromethane	7.92	113	95528	49.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.74%	
50) Toluene-d8	10.34	98	349897	49.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.10%	
62) 4-Bromofluorobenzene	12.64	95	115750	49.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	28387	16.279	ug/l	98
3) Chloromethane	2.21	50	33734	17.726	ug/l	98
4) Vinyl Chloride	2.35	62	37147	17.967	ug/l	97
5) Bromomethane	2.76	94	24911	22.184	ug/l	87
6) Chloroethane	2.91	64	24027	19.548	ug/l	91
7) Trichlorofluoromethane	3.27	101	54915	18.631	ug/l	97
8) Diethyl Ether	3.70	74	12898	21.304	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.09	101	25687	19.117	ug/l	99
10) Methyl Iodide	4.29	142	21355	15.502	ug/l	99
11) Tert butyl alcohol	5.24	59	9495	107.770	ug/l #	88
12) 1,1-Dichloroethene	4.06	96	22007	18.220	ug/l	98
13) Acrolein	3.92	56	7217	91.539	ug/l	93
14) Allyl chloride	4.71	41	34555	18.659	ug/l	98
15) Acrylonitrile	5.43	53	27257	74.761	ug/l	97
16) Acetone	4.16	43	24214	95.042	ug/l	100
17) Carbon Disulfide	4.40	76	75153	18.441	ug/l	99
18) Methyl Acetate	4.71	43	15071	20.542	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	52018	15.209	ug/l	95
20) Methylene Chloride	4.96	84	33916	20.877	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	27349	14.013	ug/l	95
22) Diisopropyl ether	6.37	45	114494	20.539	ug/l	97
23) Vinyl Acetate	6.31	43	297055	98.216	ug/l	98
24) 1,1-Dichloroethane	6.26	63	67135	19.062	ug/l	99
25) 2-Butanone	7.22	43	47963	100.897	ug/l	99
26) 2,2-Dichloropropane	7.21	77	53056	17.284	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	42009	19.402	ug/l	99
28) Bromochloromethane	7.55	49	32177	22.876	ug/l	98
29) Tetrahydrofuran	7.57	42	31854	105.609	ug/l	98
30) Chloroform	7.71	83	74038	20.540	ug/l	93
31) Cyclohexane	7.98	56	59194	17.644	ug/l	94
32) 1,1,1-Trichloroethane	7.91	97	62132	19.171	ug/l	99
36) 1,1-Dichloropropene	8.11	75	52808	17.769	ug/l	100
37) Ethyl Acetate	7.30	43	21616	18.239	ug/l	97
38) Carbon Tetrachloride	8.10	117	57680	18.119	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041720\
 Data File : VD065657.D
 Acq On : 17 Apr 2020 21:13
 Operator : VA/SY
 Sample : VD0417SBS01
 Misc : 5.65G/5.00ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0417SBS01

Manual Integrations
 APPROVED

MMDadoda
 4/20/2020 4:28:26 PM

Quant Time: Apr 20 08:26:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 15 19:43:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	55803	16.136	ug/l	97
40) Benzene	8.36	78	160392	18.771	ug/l	98
41) Methacrylonitrile	7.53	41	12863	21.914	ug/l #	100
42) 1,2-Dichloroethane	8.43	62	46764	19.970	ug/l	100
43) Isopropyl Acetate	8.46	43	41875	19.621	ug/l	97
44) Trichloroethene	9.11	130	43000	17.978	ug/l	99
45) 1,2-Dichloropropane	9.39	63	40438	19.284	ug/l	97
46) Dibromomethane	9.48	93	21476	19.804	ug/l	98
47) Bromodichloromethane	9.67	83	55576	19.246	ug/l	100
48) Methyl methacrylate	9.46	41	18992	17.782	ug/l #	88
49) 1,4-Dioxane	9.47	88	4774	380.772	ug/l	99
51) 4-Methyl-2-Pentanone	10.23	43	108376	97.107	ug/l	97
52) Toluene	10.40	92	102148	19.392	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	48650	18.348	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	61320	19.109	ug/l	95
55) 1,1,2-Trichloroethane	10.81	97	31398	20.470	ug/l	97
56) Ethyl methacrylate	10.67	69	31441	18.715	ug/l	99
57) 1,3-Dichloropropane	10.95	76	51183	19.597	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	88387	103.483	ug/l	99
59) 2-Hexanone	10.99	43	73878	96.624	ug/l	98
60) Dibromochloromethane	11.14	129	39576	19.590	ug/l	97
61) 1,2-Dibromoethane	11.25	107	29199	19.784	ug/l	99
64) Tetrachloroethene	10.88	164	38733	18.104	ug/l	96
65) Chlorobenzene	11.67	112	111480	18.884	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	43462	19.255	ug/l	99
67) Ethyl Benzene	11.75	91	177533	17.596	ug/l	100
68) m/p-Xylenes	11.86	106	143270	36.757	ug/l	99
69) o-Xylene	12.18	106	61627	18.020	ug/l	97
70) Styrene	12.20	104	113309	18.718	ug/l	99
71) Bromoform	12.37	173	24015	18.939	ug/l #	100
73) Isopropylbenzene	12.48	105	157434	16.556	ug/l	99
74) N-amyl acetate	12.30	43	36485	18.264	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.74	83	34293	19.861	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	26744m	21.097	ug/l	
77) Bromobenzene	12.77	156	48012	19.013	ug/l	98
78) n-propylbenzene	12.83	91	206602	17.960	ug/l	99
79) 2-Chlorotoluene	12.91	91	118325	18.113	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	145935	18.185	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	10171	17.584	ug/l	99
82) 4-Chlorotoluene	13.01	91	127992	18.207	ug/l	99
83) tert-Butylbenzene	13.23	119	112693	16.749	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	145363	18.170	ug/l	100
85) sec-Butylbenzene	13.41	105	165941	17.238	ug/l	99
86) p-Isopropyltoluene	13.53	119	154581	17.111	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	88464	17.892	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	90961	18.484	ug/l	99
89) n-Butylbenzene	13.85	91	130298	15.891	ug/l	99
90) Hexachloroethane	14.12	117	33596	17.732	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	78478	18.512	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	5229	20.025	ug/l	95

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD041720\
Data File : VD065657.D
Acq On : 17 Apr 2020 21:13
Operator : VA/SY
Sample : VD0417SBSD01
Misc : 5.65G/5.00ml/MSVOA D/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0417SBSD01

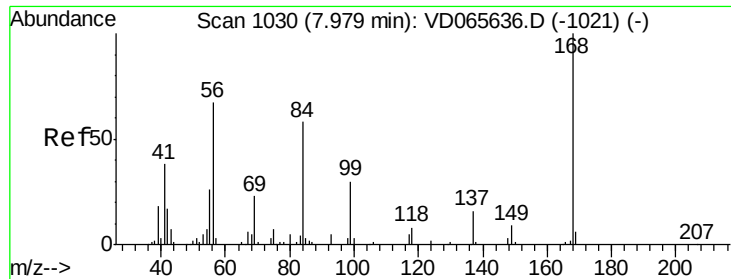
Manual Integrations
APPROVED

MMDadoda
4/20/2020 4:28:26 PM

Quant Time: Apr 20 08:26:56 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D041520S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 15 19:43:39 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	50608	17.356	ug/l	97
94) Hexachlorobutadiene	15.28	225	34550	17.281	ug/l	97
95) Naphthalene	15.41	128	73975	17.694	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	46198	17.958	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD065657.D

Acq: 17 Apr 2020 21:13

Instrument :

MSVOA_D

ClientSampleId :

VD0417SBS01

Tot Ion:168 Resp: 209412

Ion Ratio Lower Upper

168 100

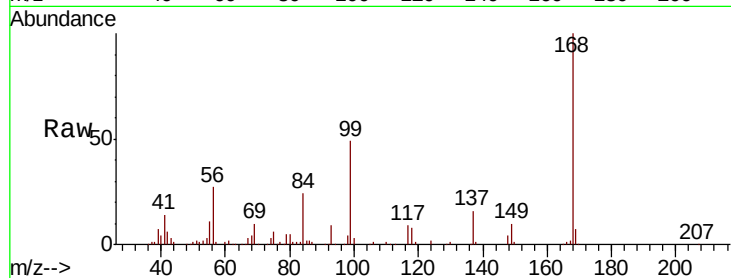
99 48.8 40.3 60.5

Manual Integrations

APPROVED

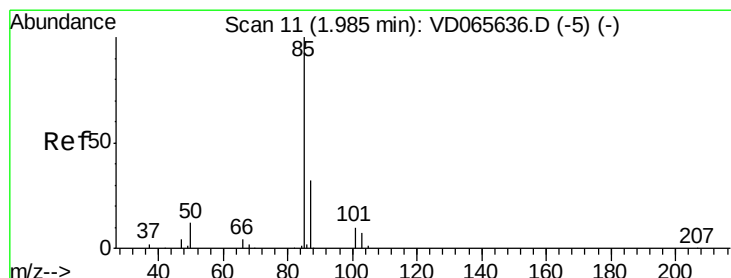
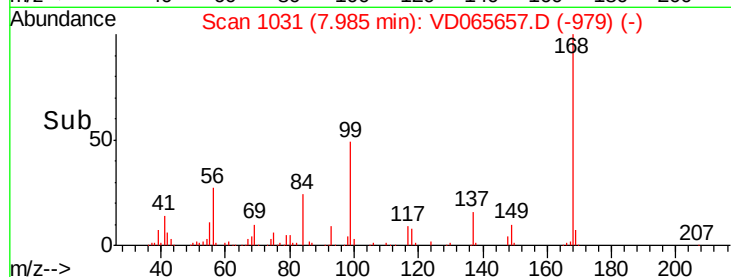
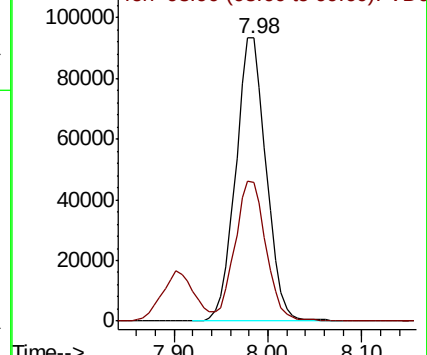
MMDadoda

4/20/2020 4:28:26 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 16.279 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD065657.D

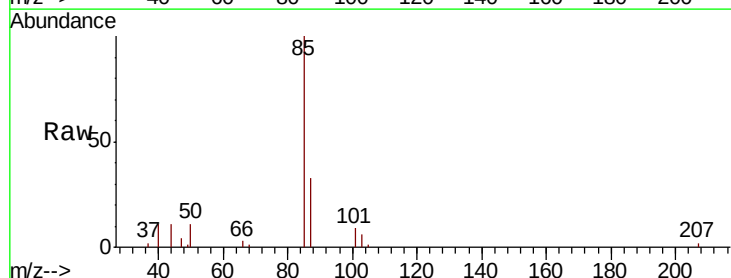
Acq: 17 Apr 2020 21:13

Tgt Ion: 85 Resp: 28387

Ion Ratio Lower Upper

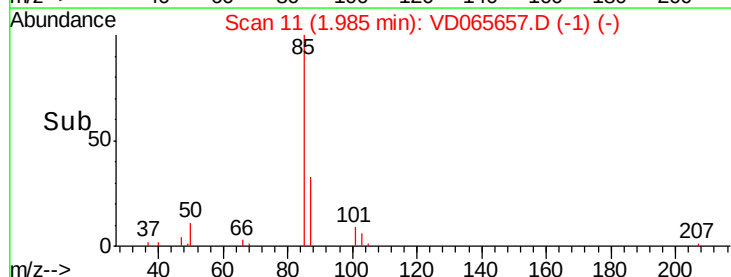
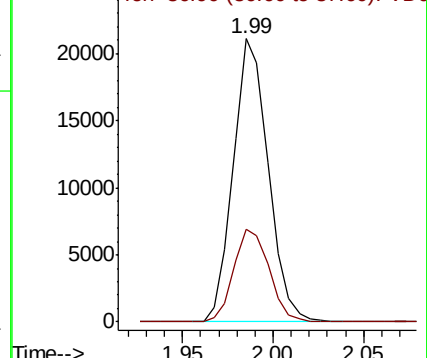
85 100

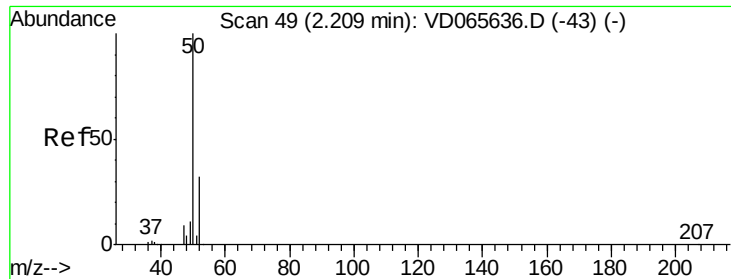
87 32.8 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 17.726 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065657.D

Acq: 17 Apr 2020 21:13

Instrument :

MSVOA_D

ClientSampleId :

VD0417SBS01

Tot Ion: 50 Resp: 33734

Ion Ratio Lower Upper

50 100

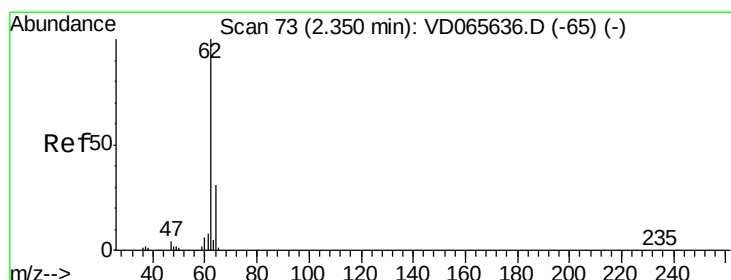
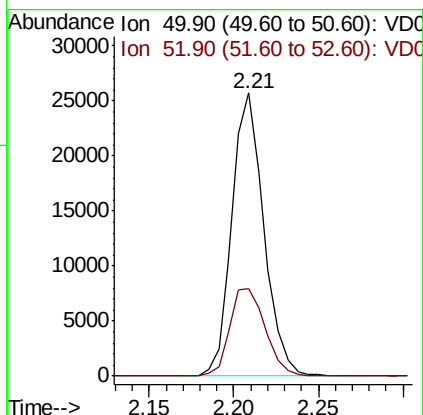
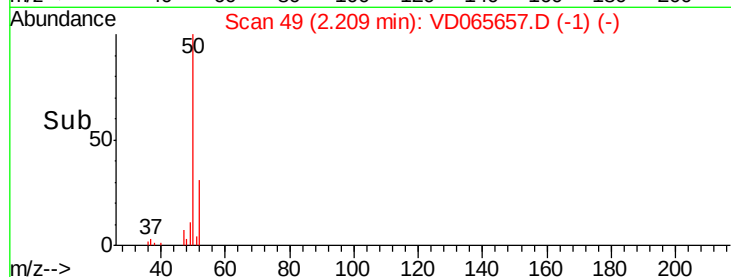
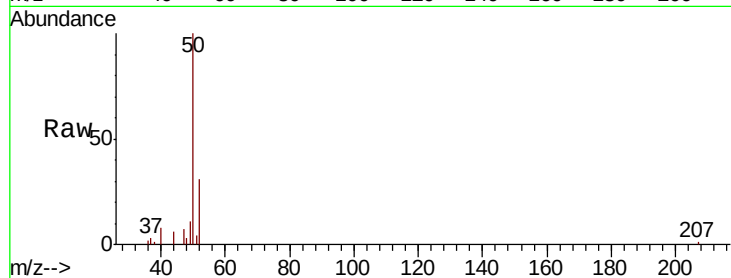
52 31.0 25.7 38.5

Manual Integrations

APPROVED

MMDadoda

4/20/2020 4:28:26 PM



#4

Vinyl Chloride

Concen: 17.967 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065657.D

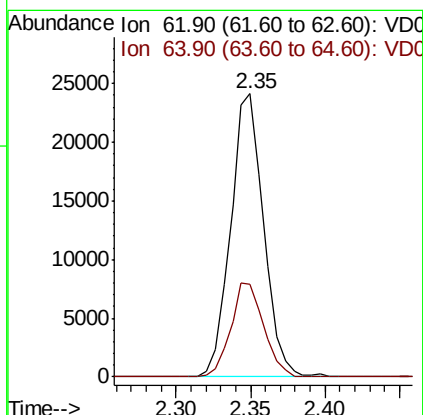
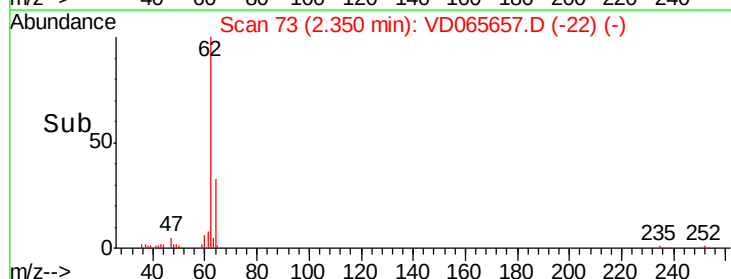
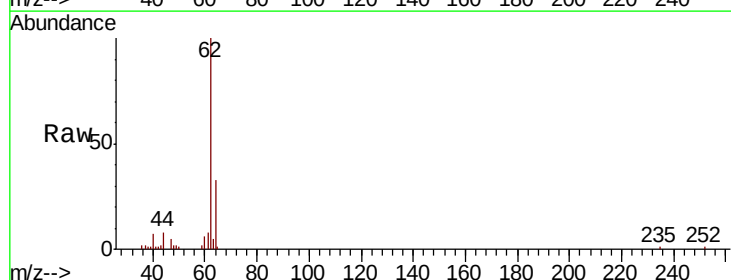
Acq: 17 Apr 2020 21:13

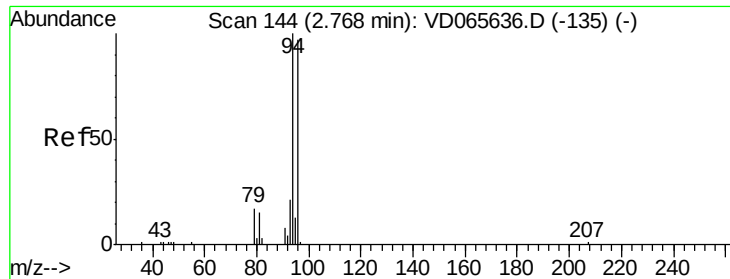
Tgt Ion: 62 Resp: 37147

Ion Ratio Lower Upper

62 100

64 32.8 25.1 37.7





#5

Bromomethane

Concen: 22.184 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD065657.D

Acq: 17 Apr 2020 21:13

Instrument :

MSVOA_D

ClientSampleId :

VD0417SBS01

Tot Ion: 94 Resp: 24911

Ion Ratio Lower Upper

94 100

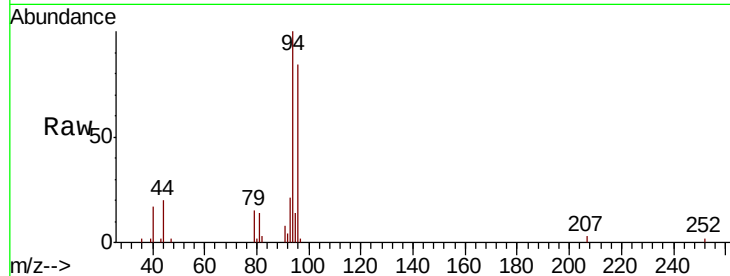
96 84.1 77.9 116.9

Manual Integrations

APPROVED

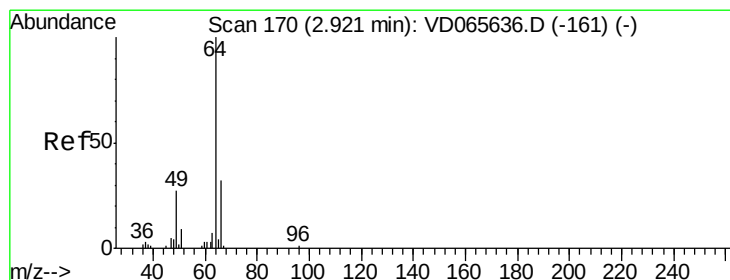
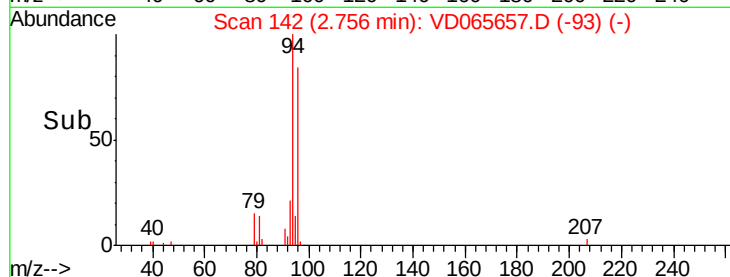
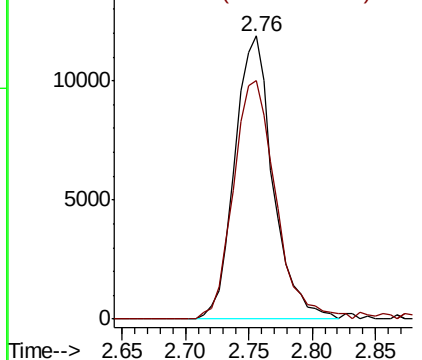
MMDadoda

4/20/2020 4:28:26 PM



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 19.548 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD065657.D

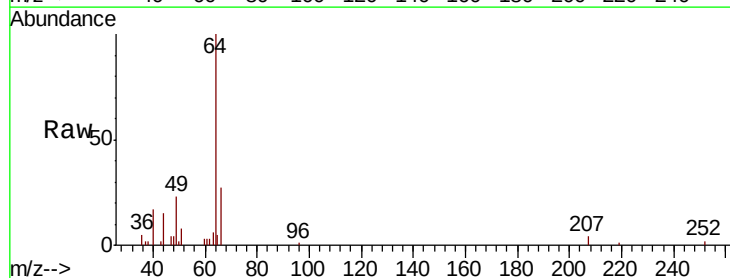
Acq: 17 Apr 2020 21:13

Tgt Ion: 64 Resp: 24027

Ion Ratio Lower Upper

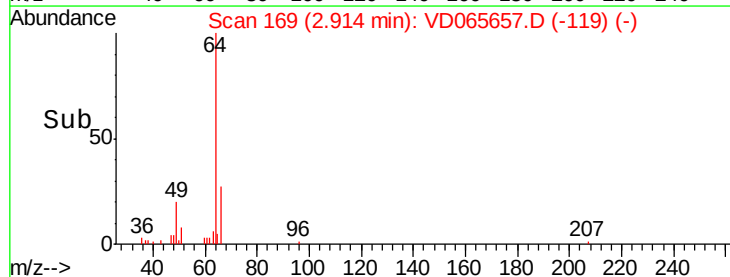
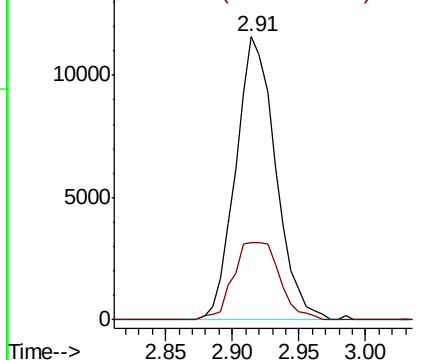
64 100

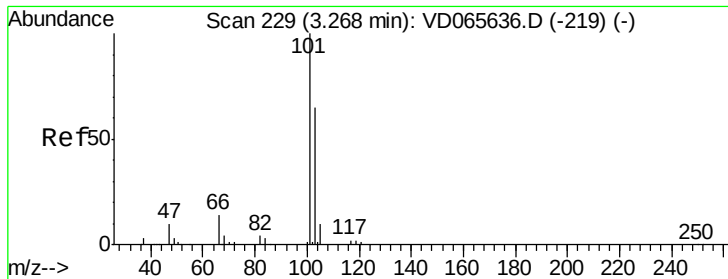
66 27.2 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

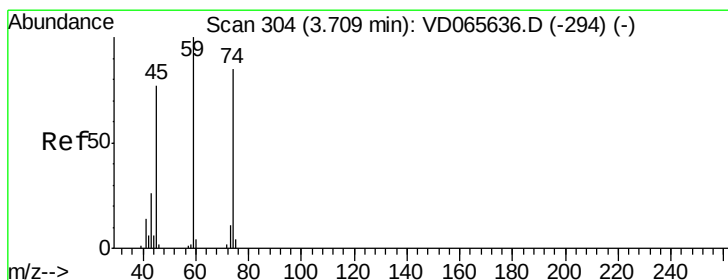
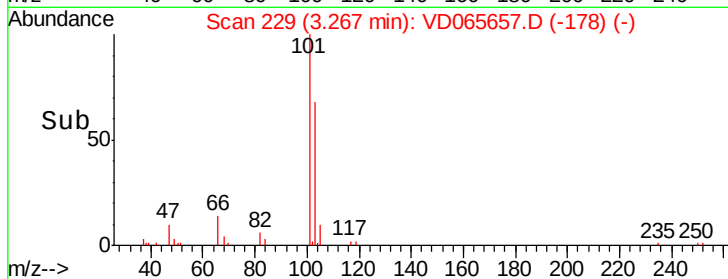
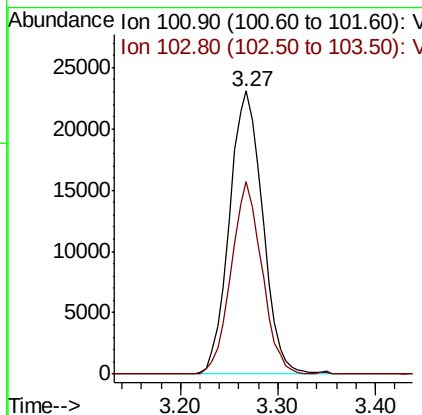
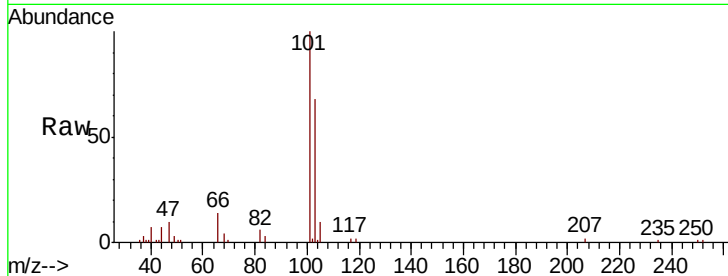
Trichlorofluoromethane
 Concen: 18.631 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.00 min
 Lab File: VD065657.D
 Acq: 17 Apr 2020 21:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0417SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	68.0	52.2	78.4

Manual Integrations
 APPROVED

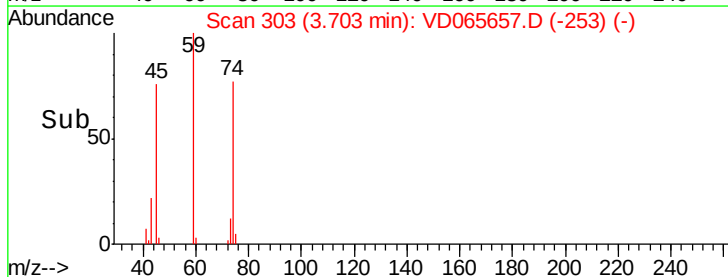
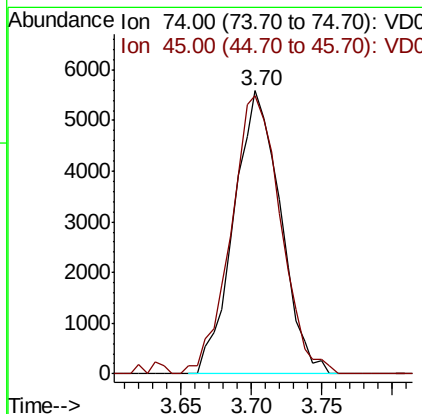
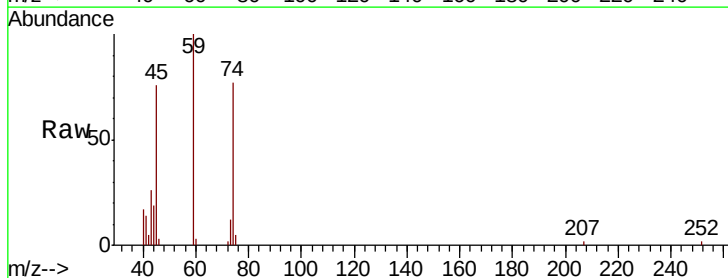
MMDadoda
 4/20/2020 4:28:26 PM

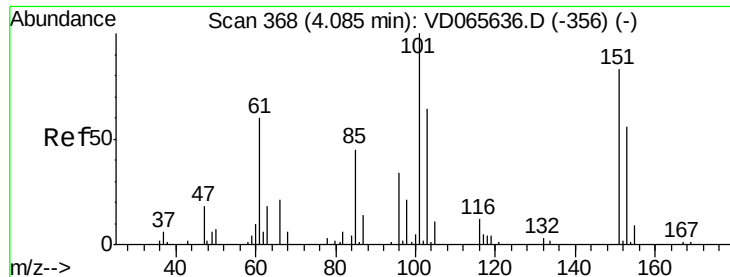


#8

Diethyl Ether
 Concen: 21.304 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD065657.D
 Acq: 17 Apr 2020 21:13

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.7	49.9	149.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.117 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD065657.D

Acq: 17 Apr 2020 21:13

Instrument :

MSVOA_D

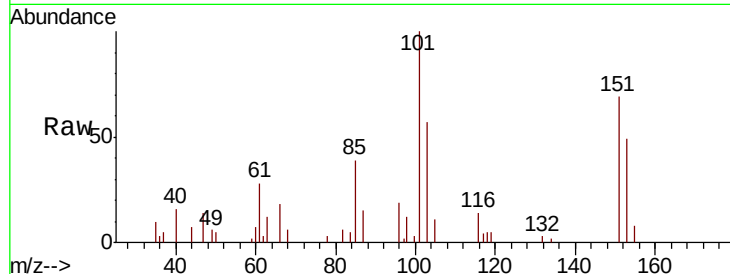
ClientSampleId :

VD0417SBS01

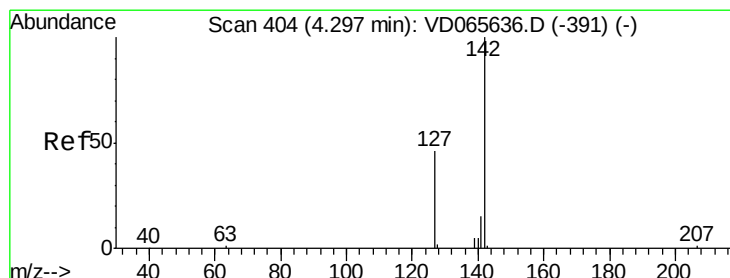
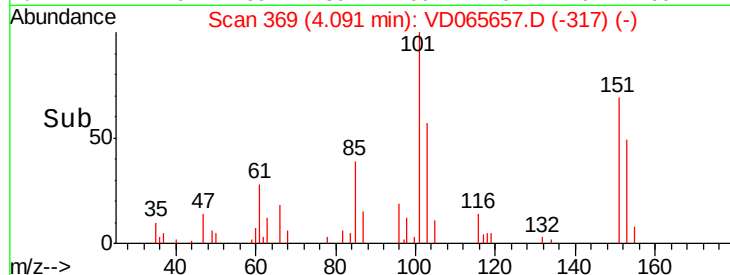
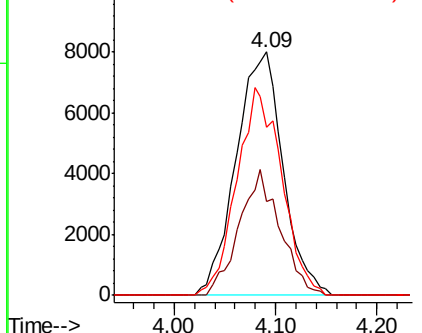
Tot Ion:	101	Resp:	25687
Ion Ratio	Lower	Upper	
101	100		
85	44.7	36.2	54.2
151	81.6	65.6	98.4

Manual Integrations
APPROVED

MMDadoda
4/20/2020 4:28:26 PM



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 15.502 ug/l

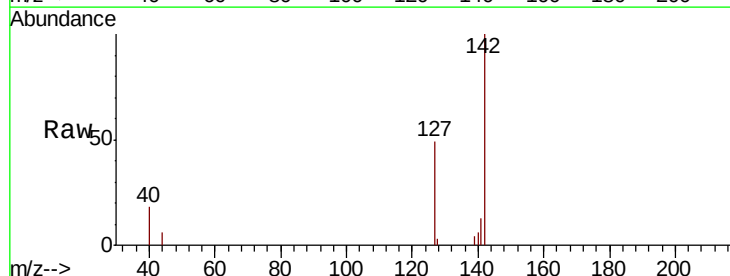
RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

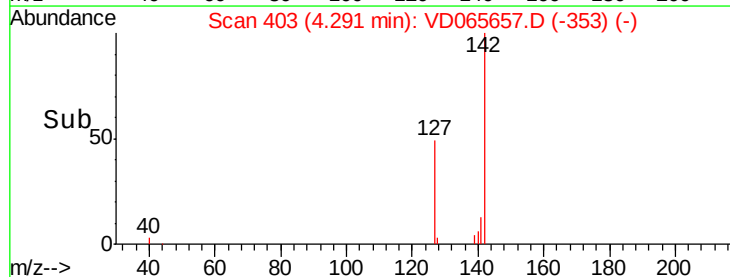
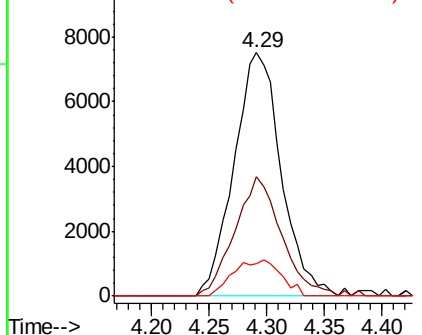
Lab File: VD065657.D

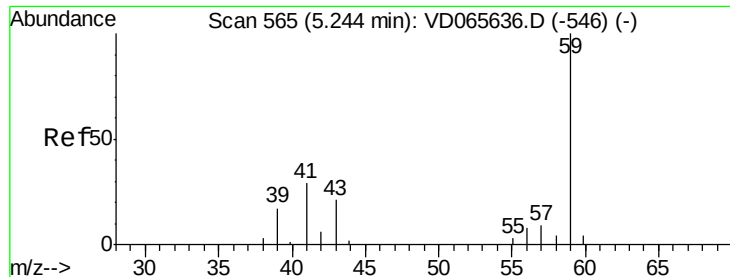
Acq: 17 Apr 2020 21:13

Tgt Ion:	142	Resp:	21355
Ion Ratio	Lower	Upper	
142	100		
127	48.2	38.1	57.1
141	15.1	12.1	18.1



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





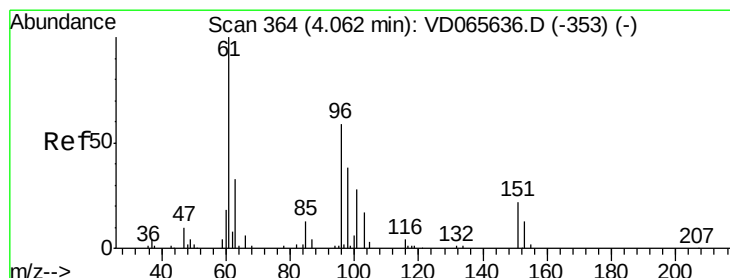
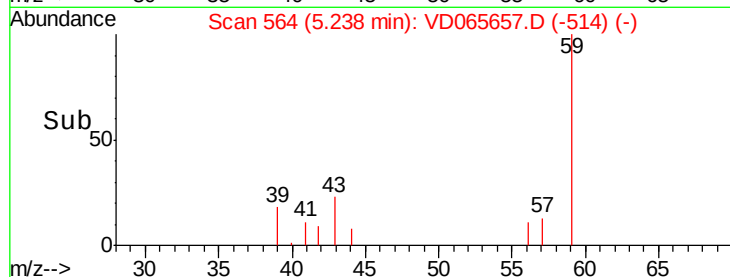
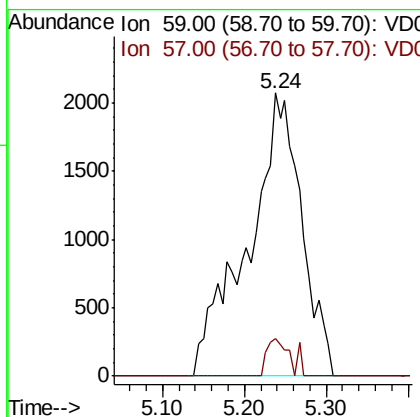
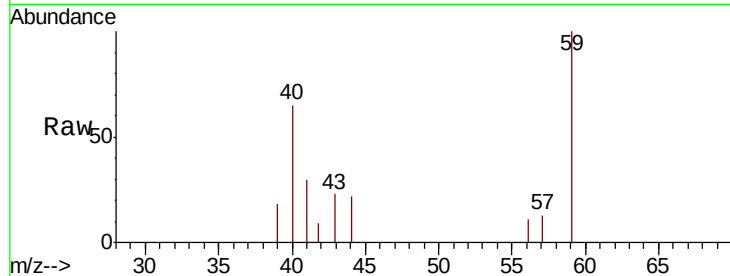
#11
Tert butyl alcohol
Concen: 107.770 ug/l
RT: 5.24 min Scan# 564
Delta R.T. -0.01 min
Lab File: VD065657.D
Acq: 17 Apr 2020 21:13

Instrument :
MSVOA_D
ClientSampleId :
VD0417SBSD01

Tot Ion: 59 Resp: 9495
Ion Ratio Lower Upper
59 100
57 4.9 7.4 11.2#

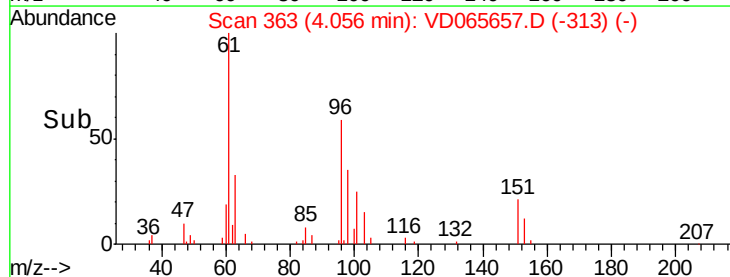
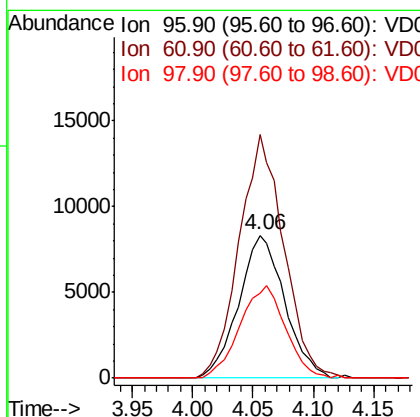
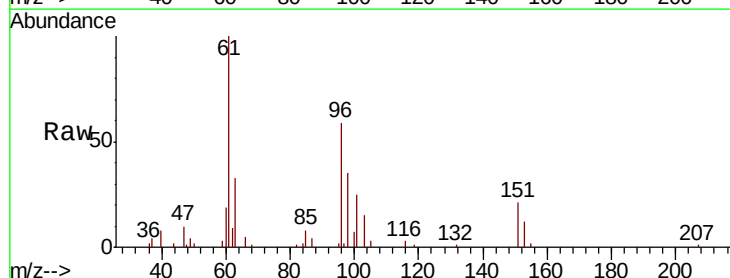
Manual Integrations
APPROVED

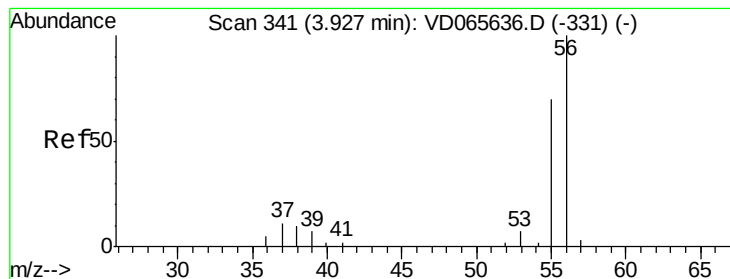
MMDadoda
4/20/2020 4:28:26 PM



#12
1,1-Dichloroethene
Concen: 18.220 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD065657.D
Acq: 17 Apr 2020 21:13

Tgt Ion: 96 Resp: 22007
Ion Ratio Lower Upper
96 100
61 170.5 136.2 204.2
98 59.1 52.2 78.2





#13

Acrolein

Concen: 91.539 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065657.D

Acq: 17 Apr 2020 21:13

Instrument :

MSVOA_D

ClientSampleId :

VD0417SBS01

Tot Ion: 56 Resp: 7217

Ion Ratio Lower Upper

56 100

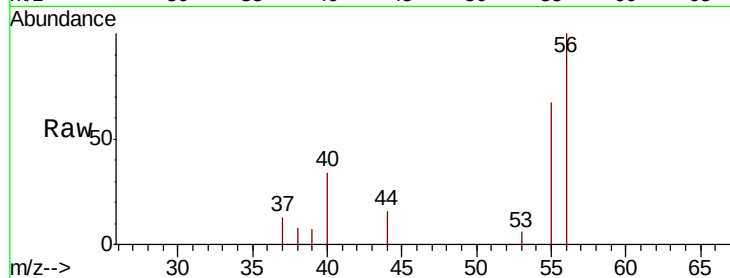
55 78.8 58.2 87.2

Manual Integrations

APPROVED

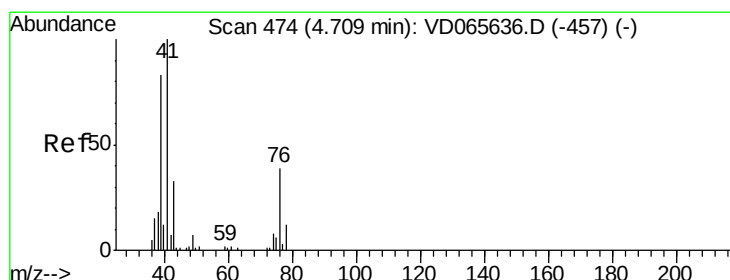
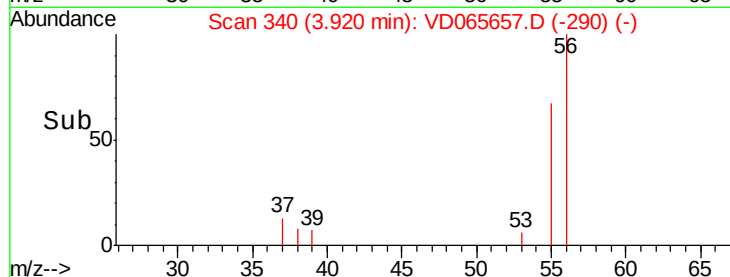
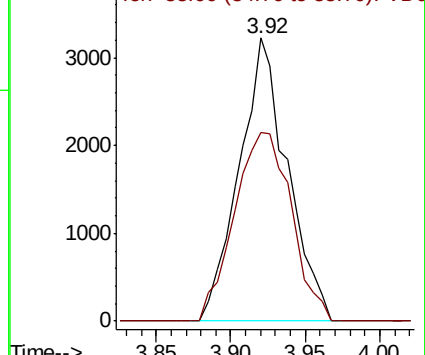
MMDadoda

4/20/2020 4:28:26 PM



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 18.659 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD065657.D

Acq: 17 Apr 2020 21:13

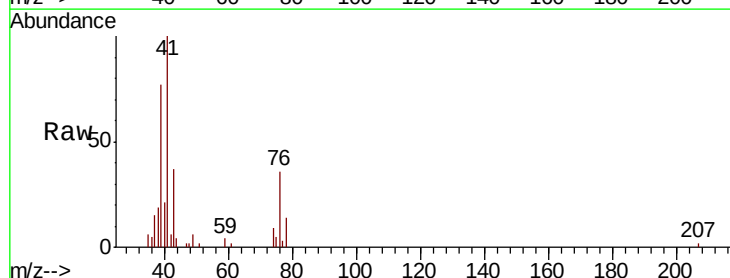
Tgt Ion: 41 Resp: 34555

Ion Ratio Lower Upper

41 100

39 76.6 62.5 93.7

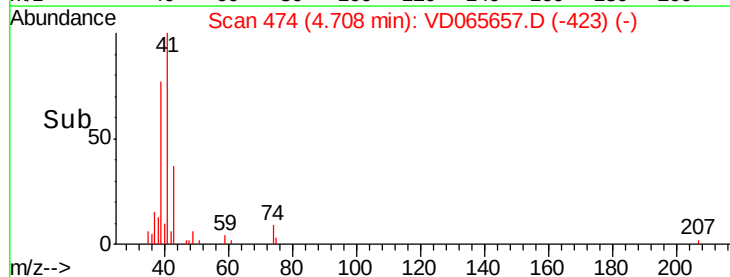
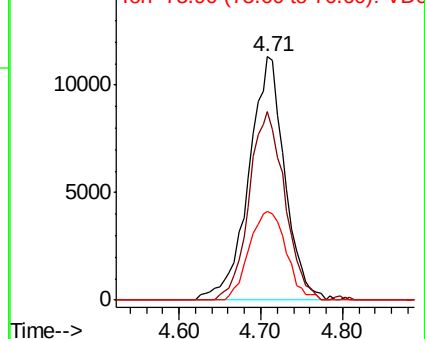
76 37.7 29.1 43.7

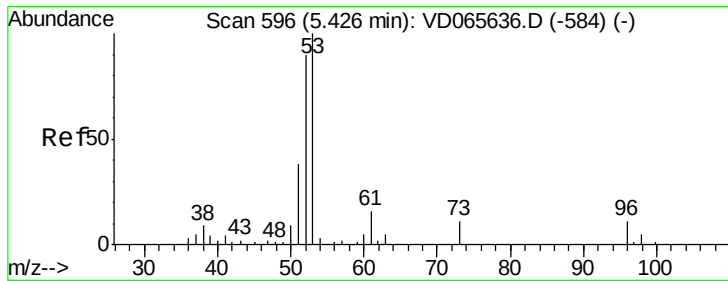


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 74.761 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.00 min

Lab File: VD065657.D

Acq: 17 Apr 2020 21:13

Instrument :

MSVOA_D

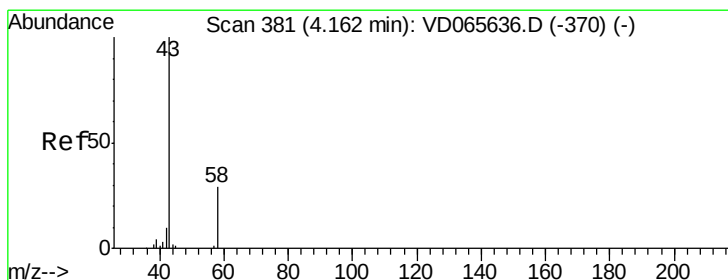
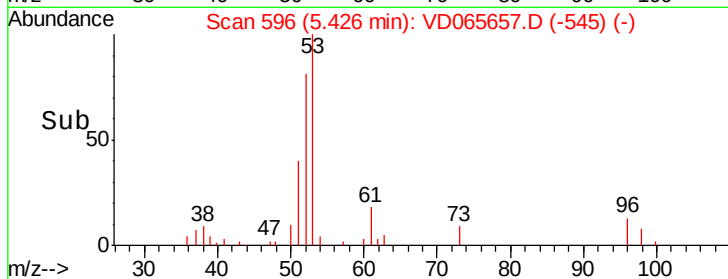
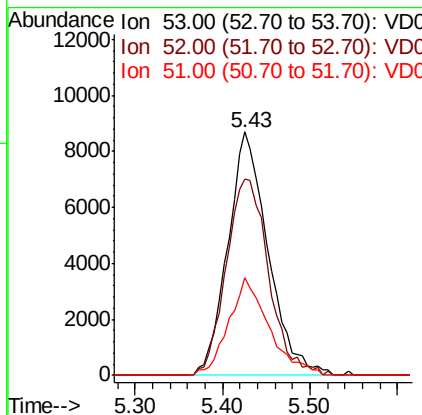
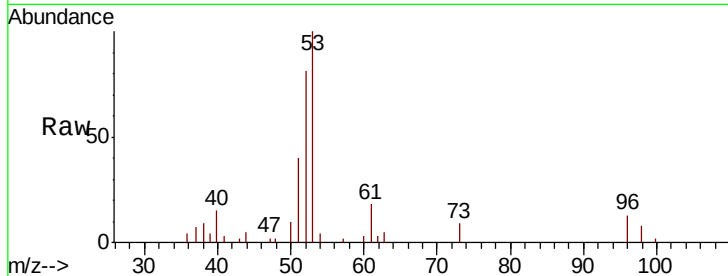
ClientSampleId :

VD0417SBS01

Tot Ion:	53	Resp:	27257
Ion	Ratio	Lower	Upper
53	100		
52	85.0	65.8	98.6
51	40.0	30.9	46.3

Manual Integrations
APPROVED

MMDadoda
4/20/2020 4:28:26 PM



#16

Acetone

Concen: 95.042 ug/l

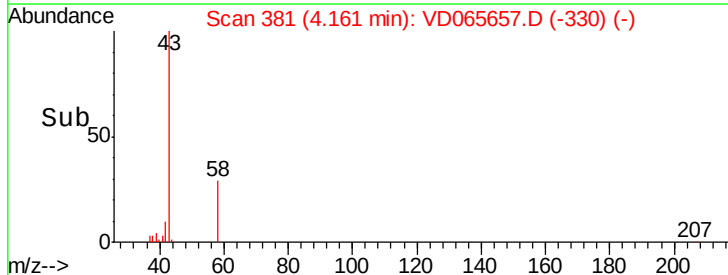
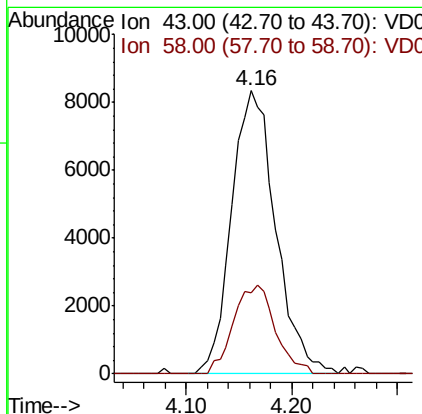
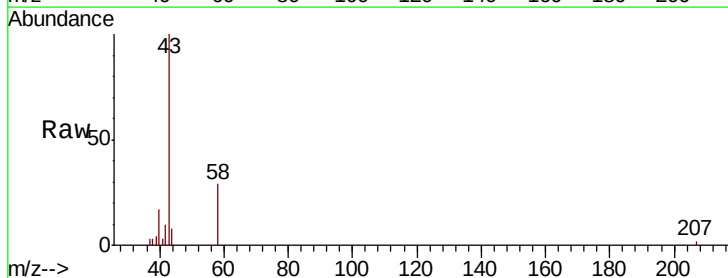
RT: 4.16 min Scan# 381

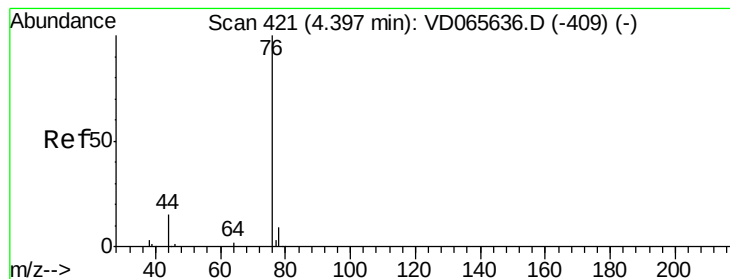
Delta R.T. -0.00 min

Lab File: VD065657.D

Acq: 17 Apr 2020 21:13

Tgt Ion:	43	Resp:	24214
Ion	Ratio	Lower	Upper
43	100		
58	28.8	22.9	34.3





#17

Carbon Disulfide

Concen: 18.441 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.00 min

Lab File: VD065657.D

Acq: 17 Apr 2020 21:13

Instrument :

MSVOA_D

ClientSampleId :

VD0417SBS01

Tot Ion: 76 Resp: 75153

Ion Ratio Lower Upper

76 100

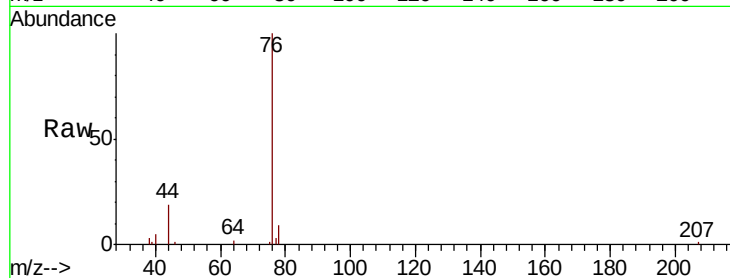
78 8.7 7.3 10.9

Manual Integrations

APPROVED

MMDadoda

4/20/2020 4:28:26 PM



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

30000

25000

20000

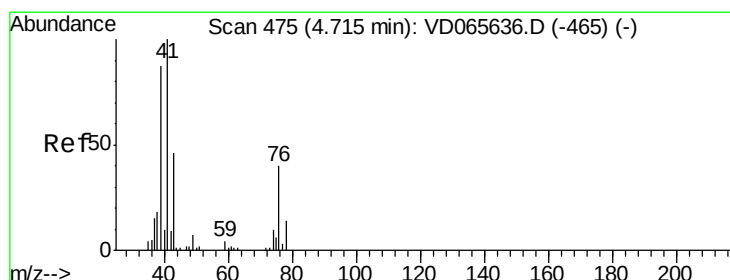
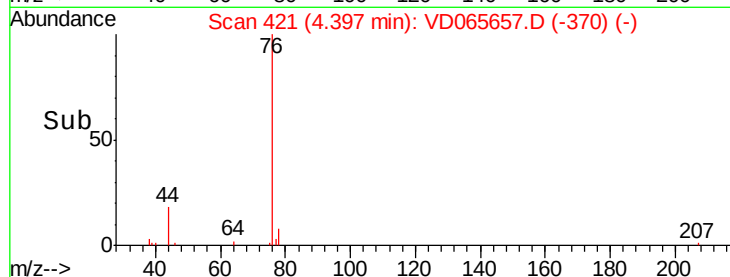
15000

10000

5000

0

Time-->



#18

Methyl Acetate

Concen: 20.542 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD065657.D

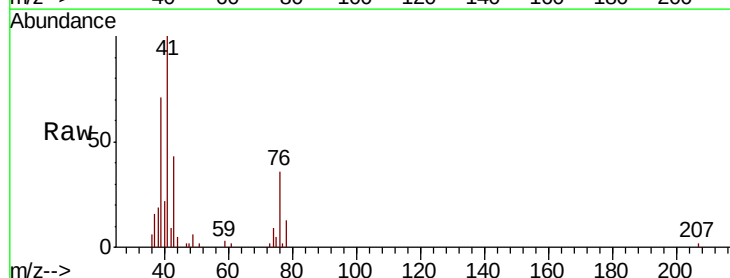
Acq: 17 Apr 2020 21:13

Tgt Ion: 43 Resp: 15071

Ion Ratio Lower Upper

43 100

74 22.4 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.71

5000

4000

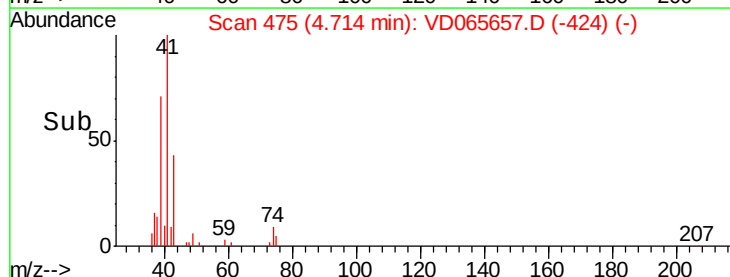
3000

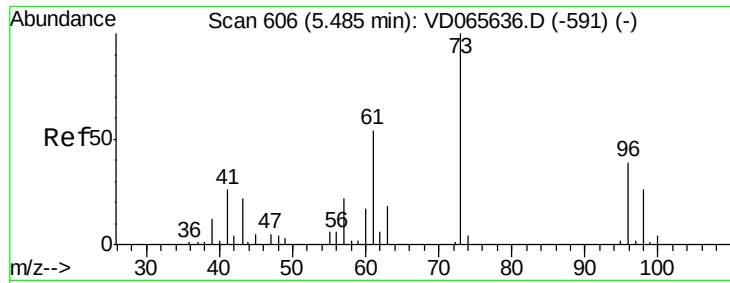
2000

1000

0

Time-->





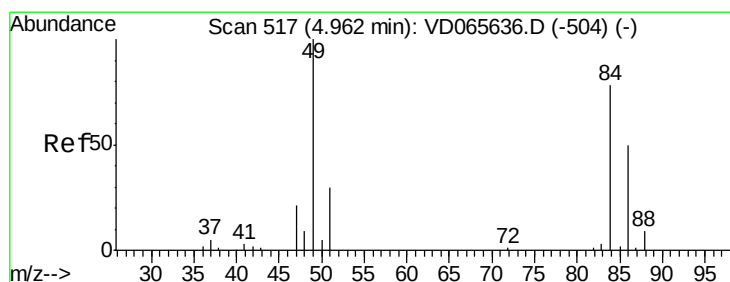
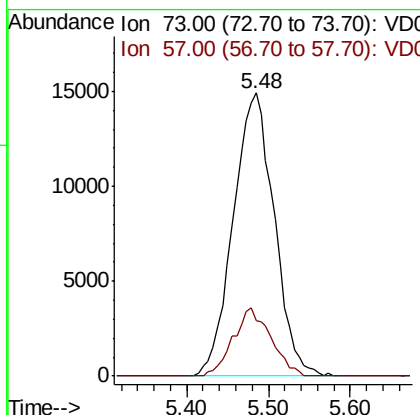
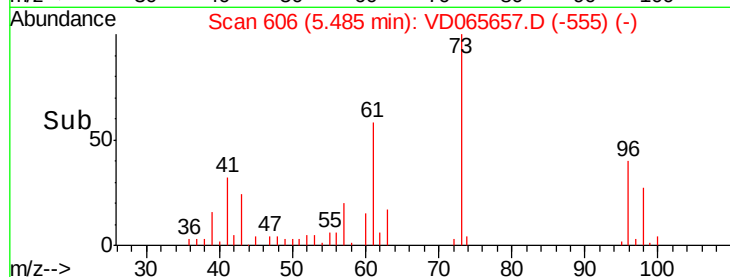
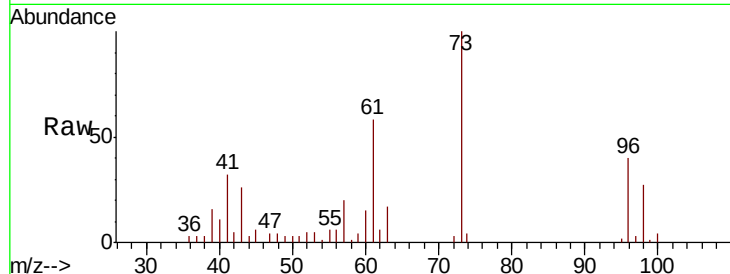
#19
Methyl tert-butyl Ether
Concen: 15.209 ug/l
RT: 5.48 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD065657.D
Acq: 17 Apr 2020 21:13

Instrument :
MSVOA_D
ClientSampleId :
VD0417SBS01

Tot Ion: 73 Resp: 52018
Ion Ratio Lower Upper
73 100
57 19.9 17.8 26.8

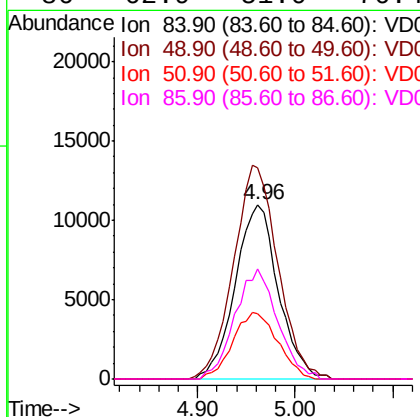
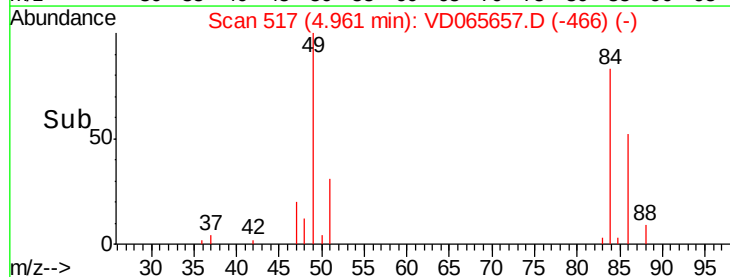
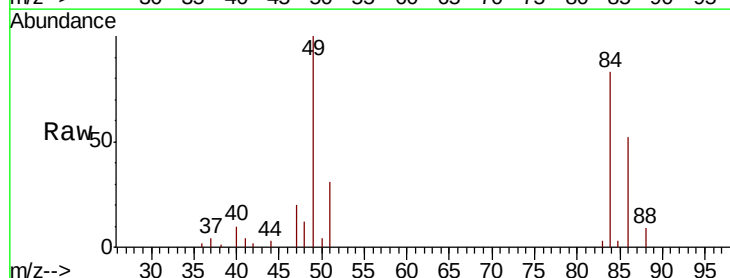
Manual Integrations
APPROVED

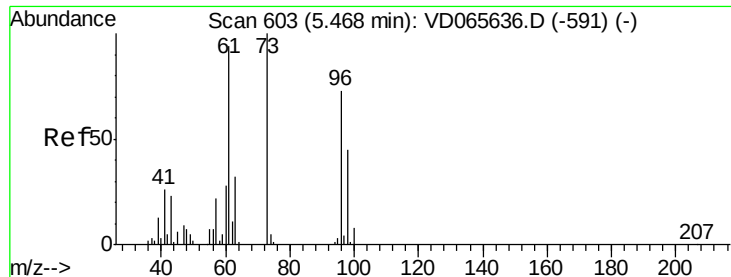
MMDadoda
4/20/2020 4:28:26 PM



#20
Methylene Chloride
Concen: 20.877 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD065657.D
Acq: 17 Apr 2020 21:13

Tgt Ion: 84 Resp: 33916
Ion Ratio Lower Upper
84 100
49 120.9 102.0 153.0
51 37.2 30.8 46.2
86 62.9 51.0 76.4





#21

trans-1,2-Dichloroethene

Concen: 14.013 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.00 min

Lab File: VD065657.D

Acq: 17 Apr 2020 21:13

Instrument :

MSVOA_D

ClientSampleId :

VD0417SBS01

Tot Ion: 96 Resp: 27349

Ion Ratio Lower Upper

96 100

61 135.4 102.6 153.8

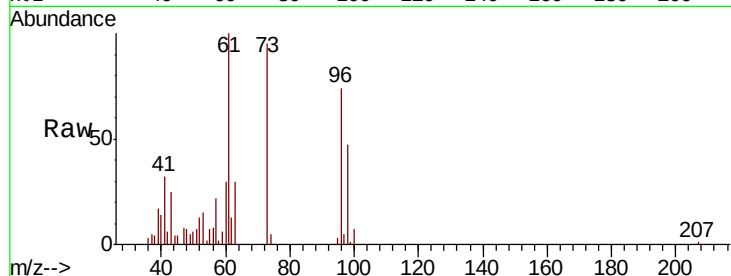
98 63.1 49.4 74.0

Manual Integrations

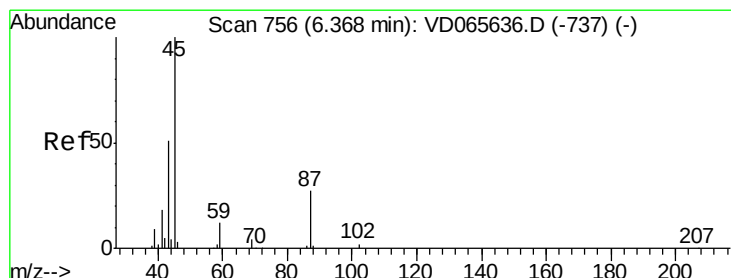
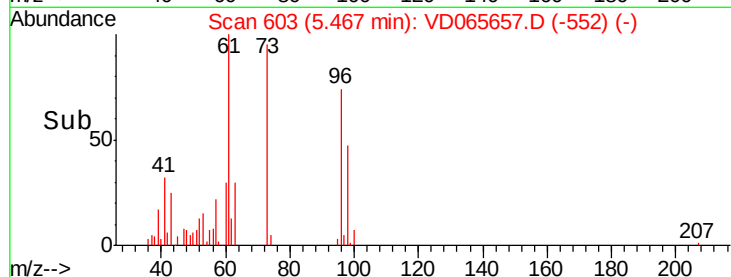
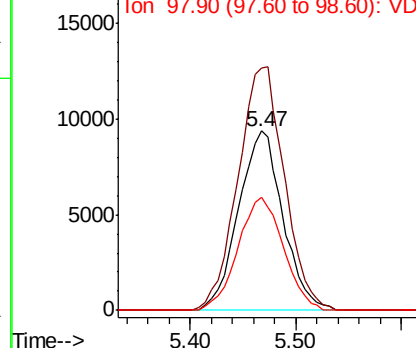
APPROVED

MMDadoda

4/20/2020 4:28:26 PM



Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 20.539 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.00 min

Lab File: VD065657.D

Acq: 17 Apr 2020 21:13

Tgt Ion: 45 Resp: 114494

Ion Ratio Lower Upper

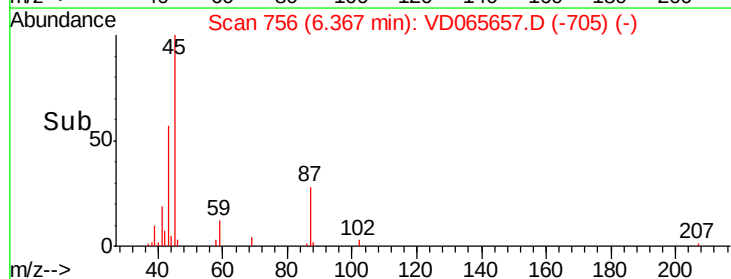
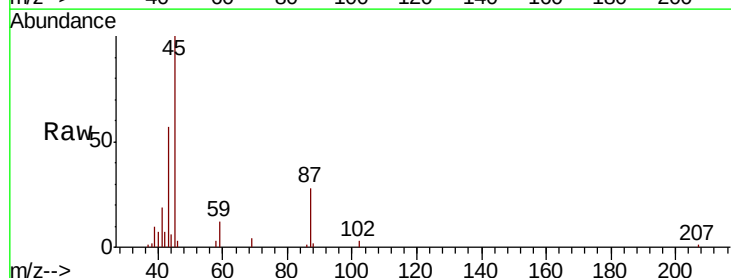
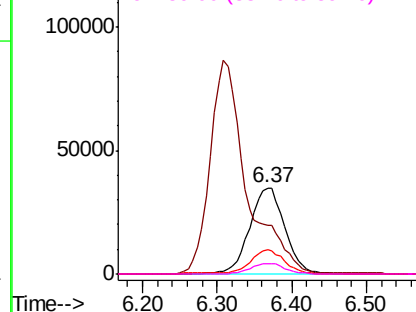
45 100

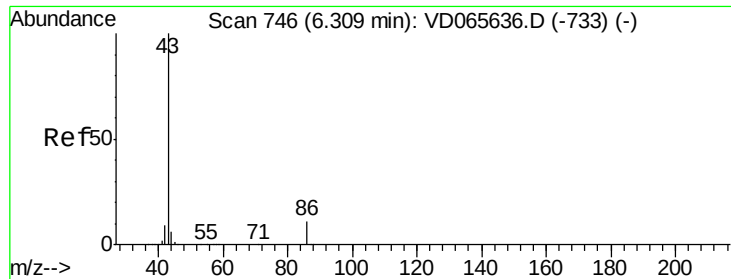
43 56.1 42.2 63.2

87 27.7 22.1 33.1

59 12.2 9.8 14.6

Abundance Ion 45.00 (44.70 to 45.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 98.216 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD065657.D

Acq: 17 Apr 2020 21:13

Instrument :

MSVOA_D

ClientSampleID :

VD0417SBS01

Tot Ion: 43 Resp: 297055

Ion Ratio Lower Upper

43 100

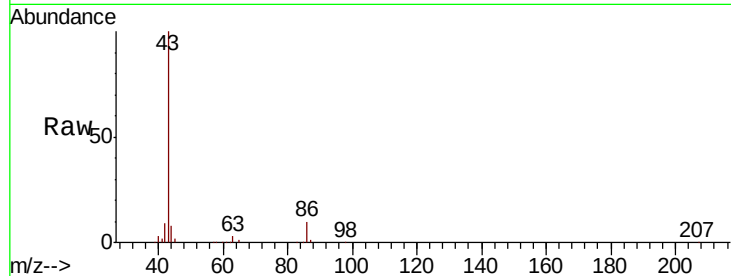
86 10.2 8.7 13.1

Manual Integrations

APPROVED

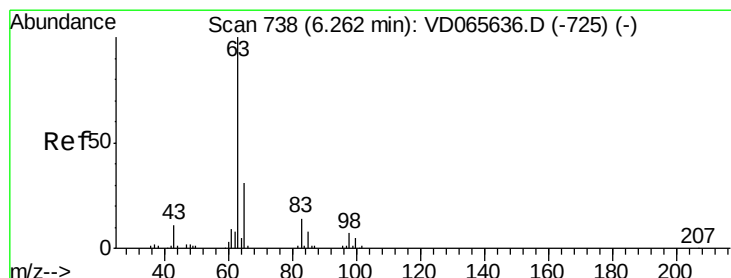
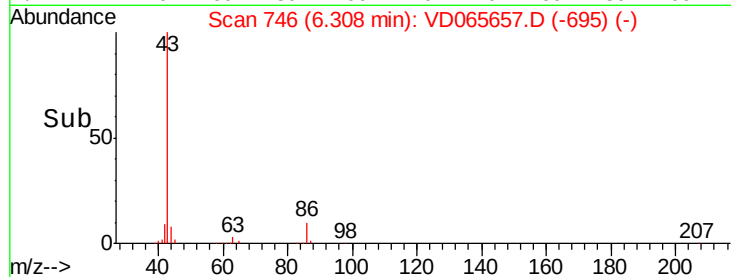
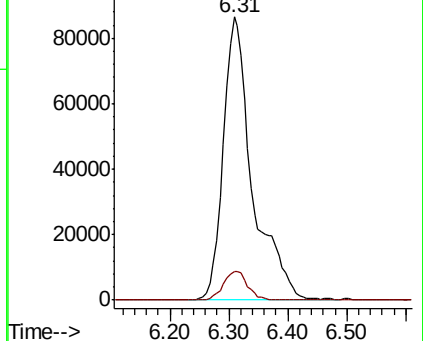
MMDadoda

4/20/2020 4:28:26 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 19.062 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.00 min

Lab File: VD065657.D

Acq: 17 Apr 2020 21:13

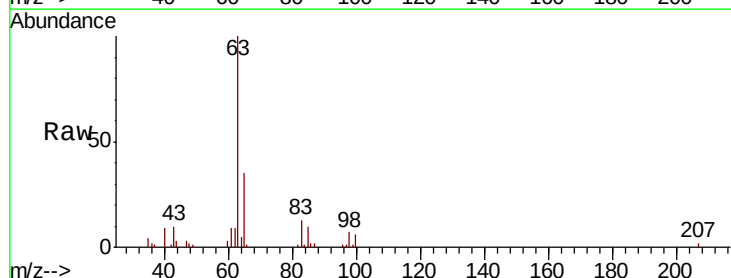
Tgt Ion: 63 Resp: 67135

Ion Ratio Lower Upper

63 100

98 7.5 3.6 10.8

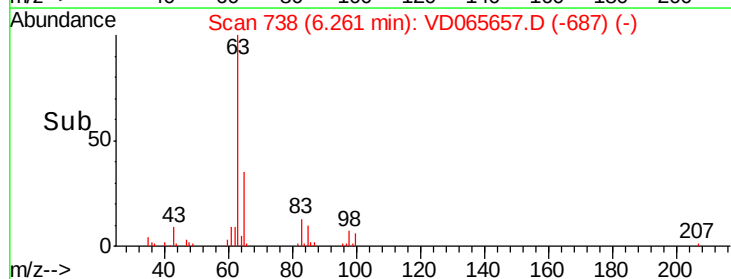
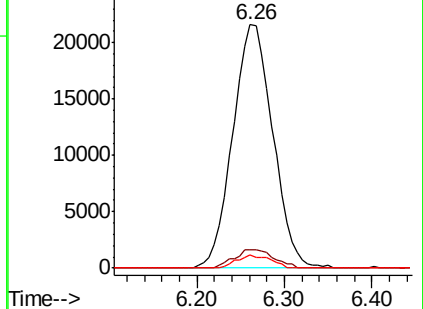
100 5.5 2.4 7.2

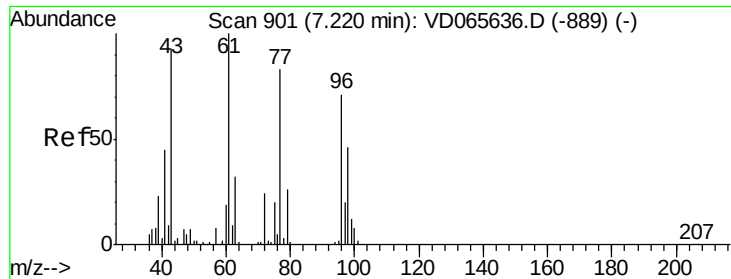


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 100.897 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD065657.D

Acq: 17 Apr 2020 21:13

Instrument :

MSVOA_D

ClientSampleId :

VD0417SBS01

Tot Ion: 43 Resp: 47963

Ion Ratio Lower Upper

43 100

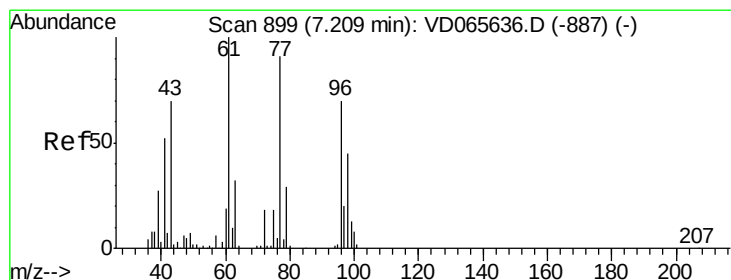
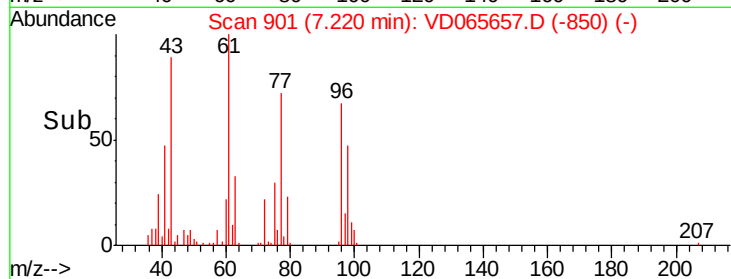
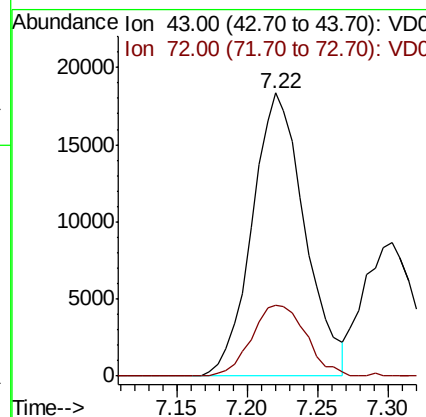
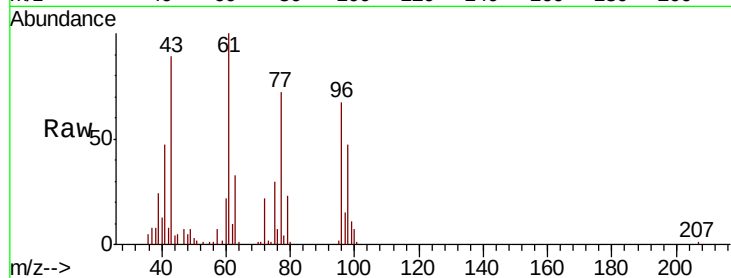
72 25.3 20.5 30.7

Manual Integrations

APPROVED

MMDadoda

4/20/2020 4:28:26 PM



#26

2,2-Dichloropropane

Concen: 17.284 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD065657.D

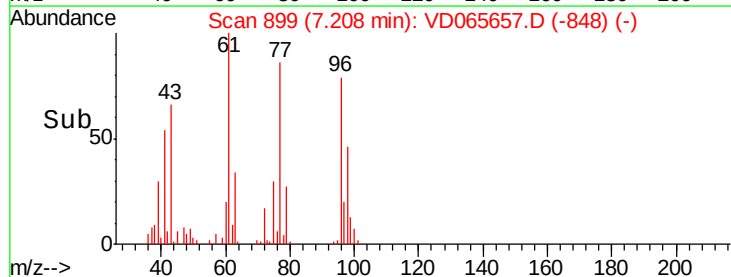
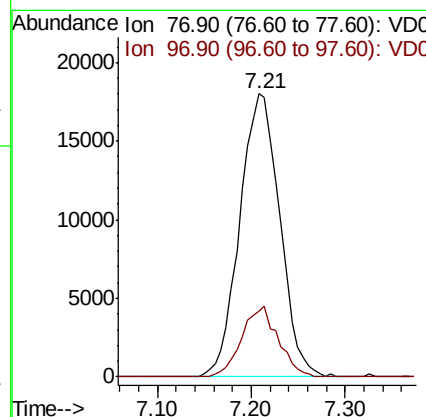
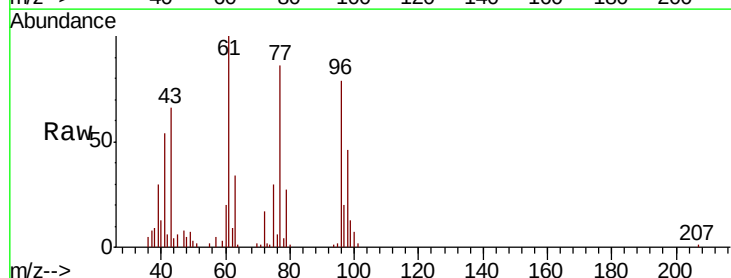
Acq: 17 Apr 2020 21:13

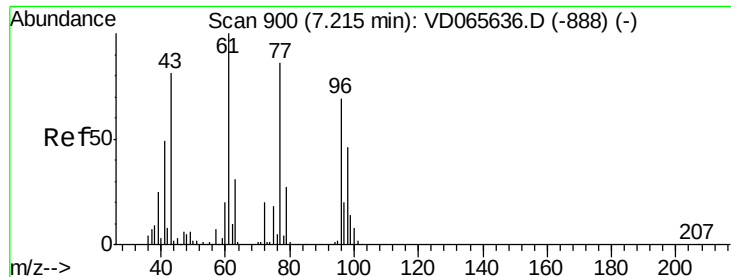
Tgt Ion: 77 Resp: 53056

Ion Ratio Lower Upper

77 100

97 22.7 11.5 34.5





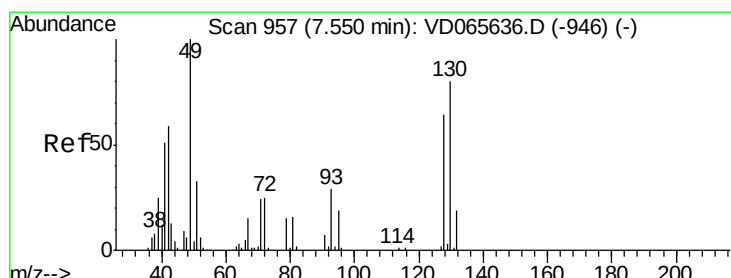
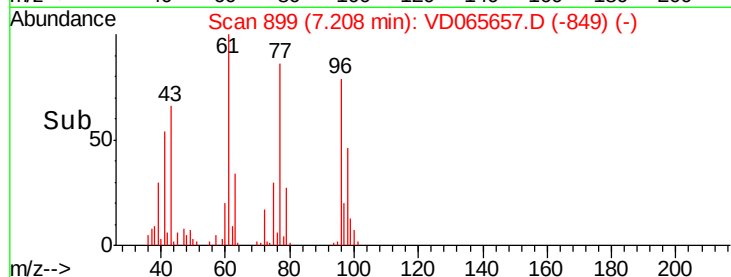
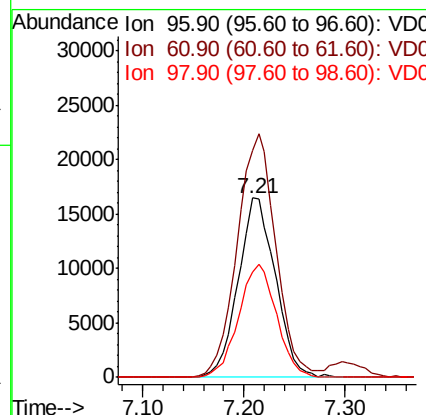
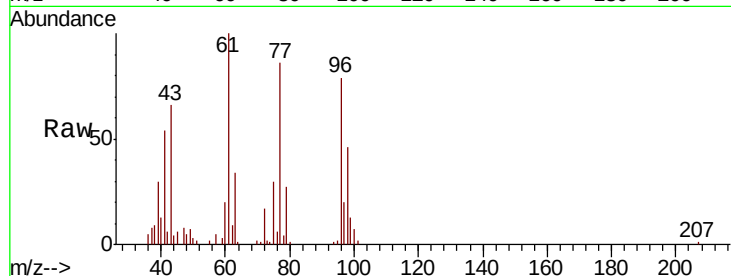
#27
 cis-1,2-Dichloroethene
 Concen: 19.402 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD065657.D
 Acq: 17 Apr 2020 21:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0417SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.7	0.0	286.2
98	63.8	0.0	128.0

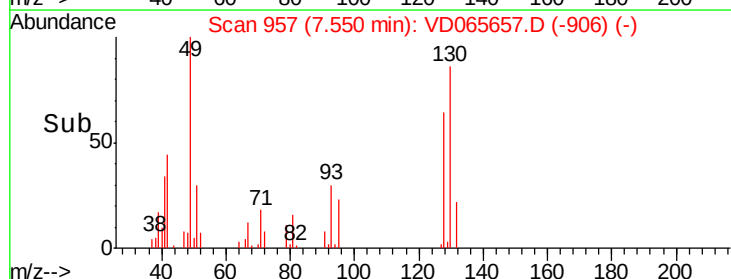
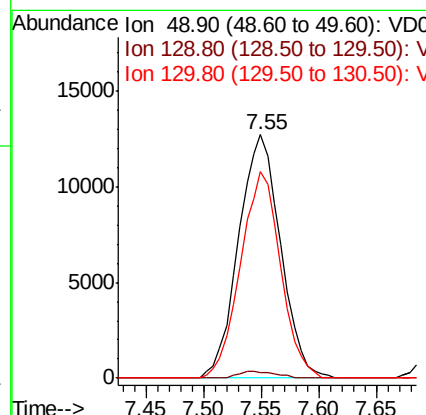
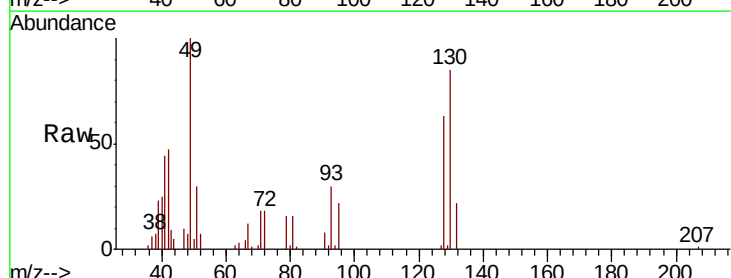
Manual Integrations
 APPROVED

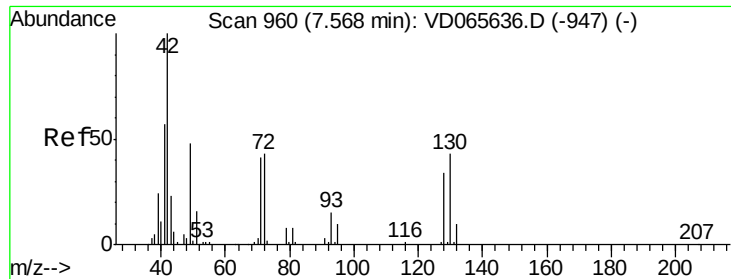
MMDadoda
 4/20/2020 4:28:26 PM



#28
 Bromochloromethane
 Concen: 22.876 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.00 min
 Lab File: VD065657.D
 Acq: 17 Apr 2020 21:13

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.2
130	81.1	66.2	99.2





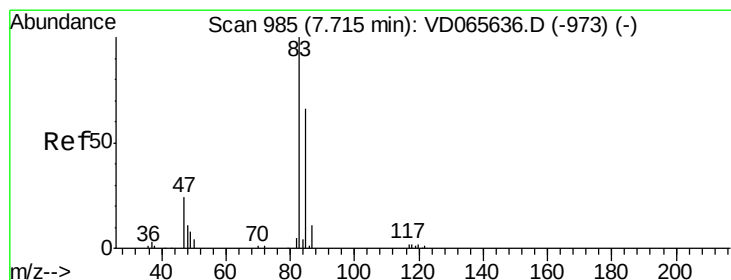
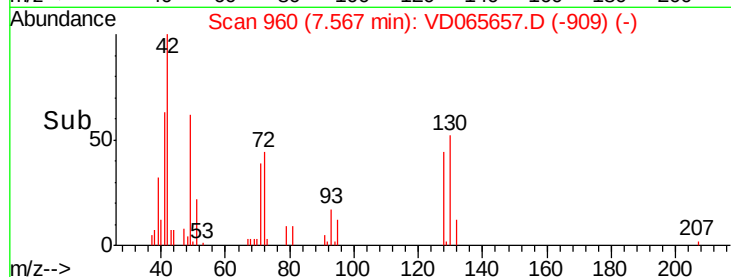
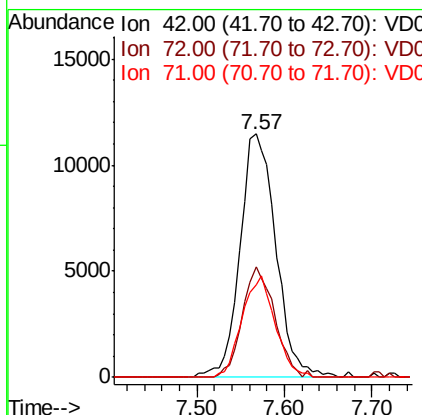
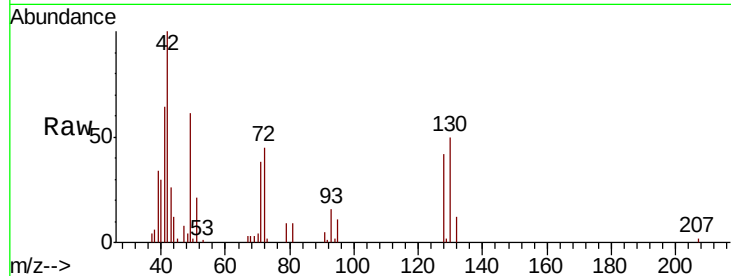
#29
Tetrahydrofuran
Concen: 105.609 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.00 min
Lab File: VD065657.D
Acq: 17 Apr 2020 21:13

Instrument :
MSVOA_D
ClientSampleId :
VD0417SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.8	34.4	51.6
71	38.3	31.4	47.0

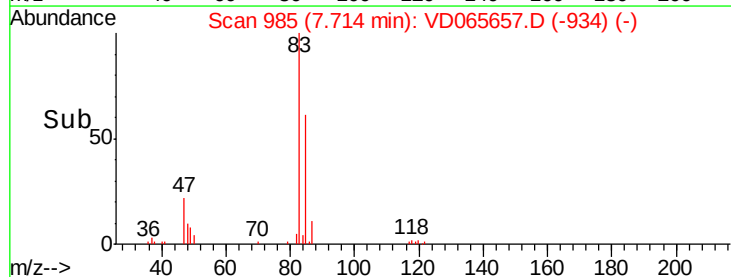
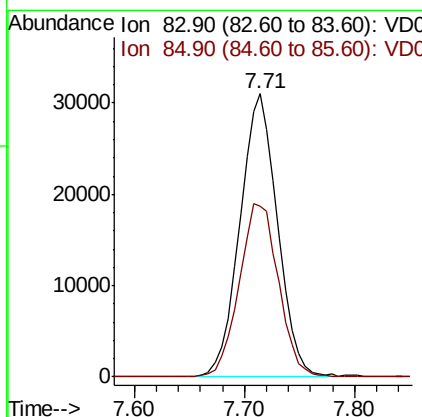
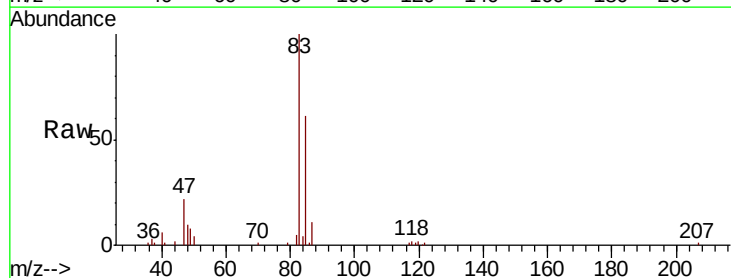
Manual Integrations
APPROVED

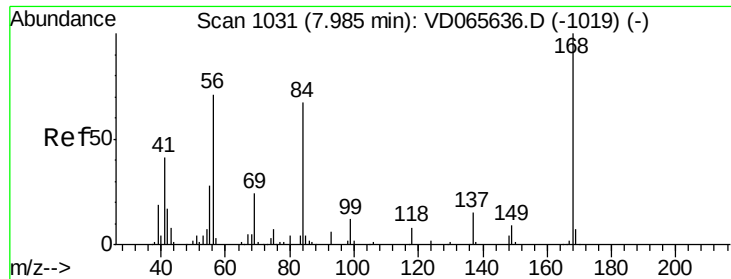
MMDadoda
4/20/2020 4:28:26 PM



#30
Chloroform
Concen: 20.540 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD065657.D
Acq: 17 Apr 2020 21:13

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.5	52.6	78.8





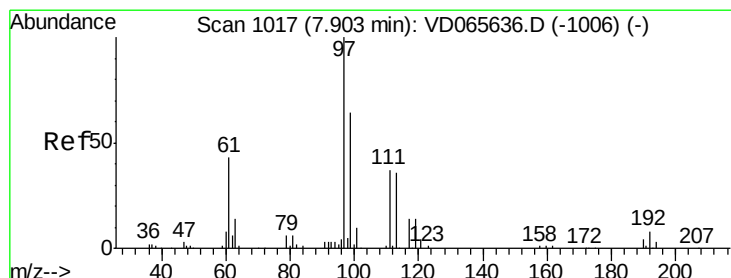
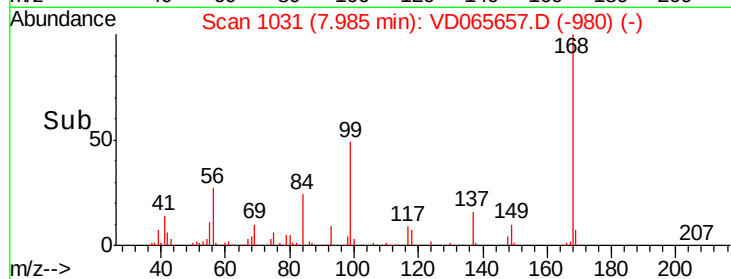
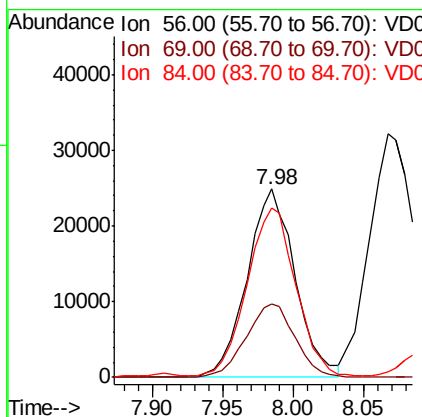
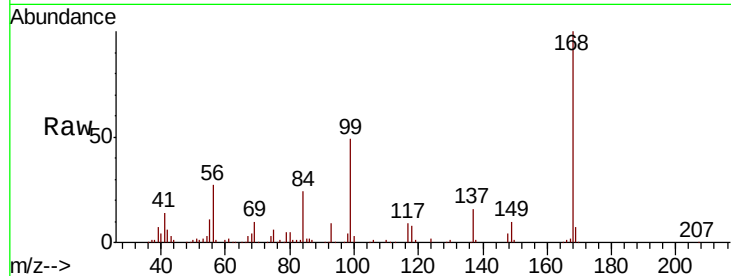
#31
Cyclohexane
Concen: 17.644 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065657.D
Acq: 17 Apr 2020 21:13

Instrument :
MSVOA_D
ClientSampleId :
VD0417SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	39.1	26.6	40.0
84	89.3	75.3	112.9

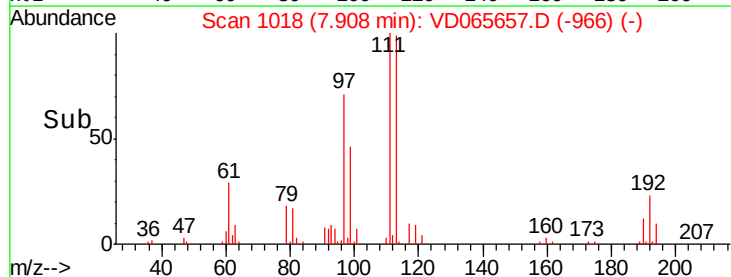
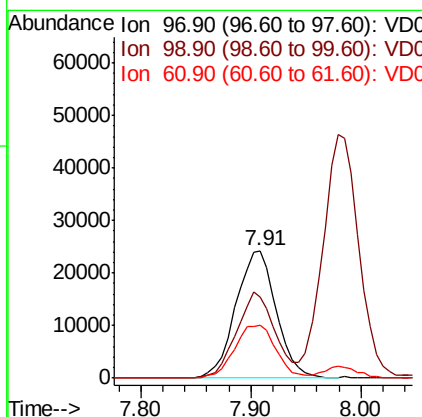
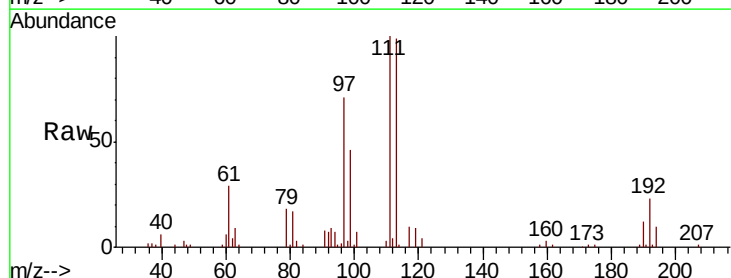
Manual Integrations
APPROVED

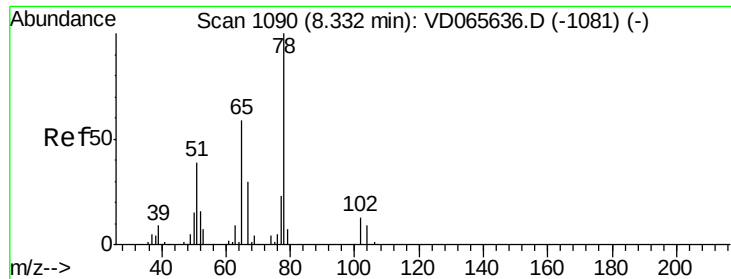
MMDadoda
4/20/2020 4:28:26 PM



#32
1,1,1-Trichloroethane
Concen: 19.171 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VD065657.D
Acq: 17 Apr 2020 21:13

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.5	51.5	77.3
61	42.7	34.8	52.2





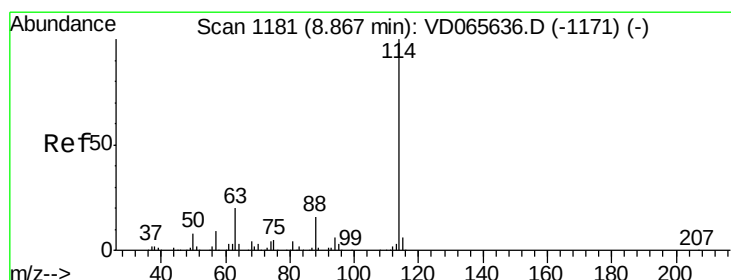
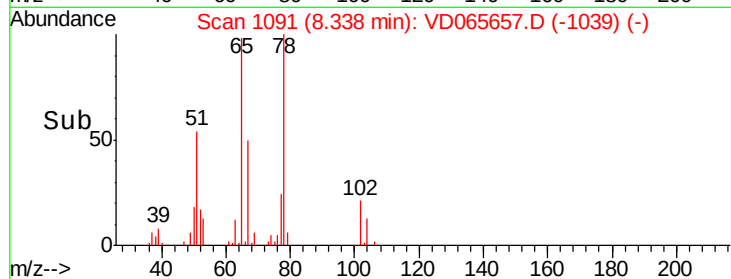
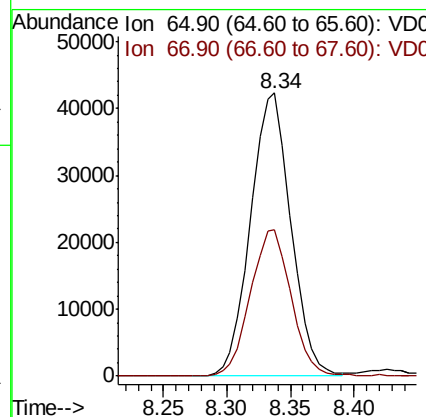
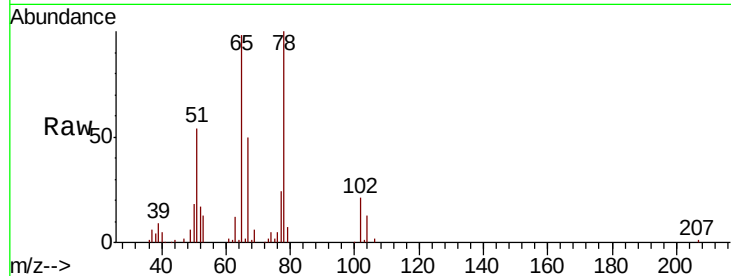
#33
 1,2-Dichloroethane-d4
 Concen: 52.648 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD065657.D
 Acq: 17 Apr 2020 21:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0417SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.1	0.0	105.8	

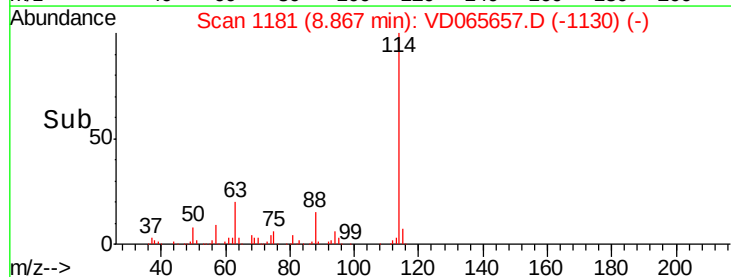
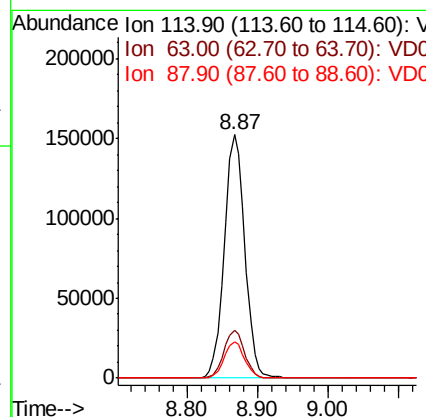
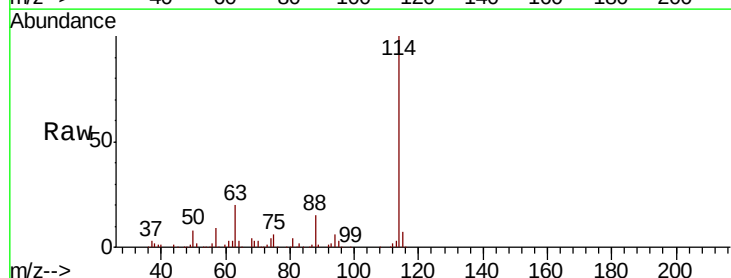
Manual Integrations
 APPROVED

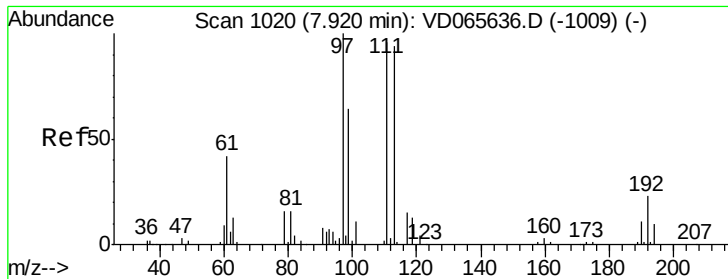
MMDadoda
 4/20/2020 4:28:26 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065657.D
 Acq: 17 Apr 2020 21:13

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.6	0.0	40.8	
88	14.8	0.0	31.6	





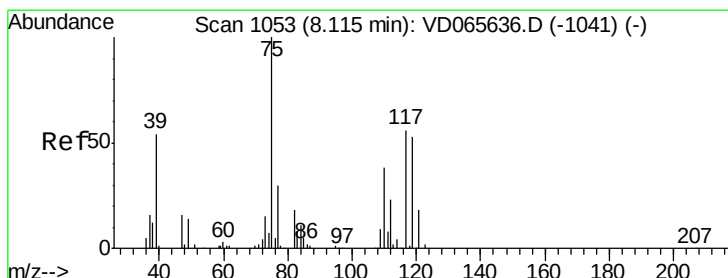
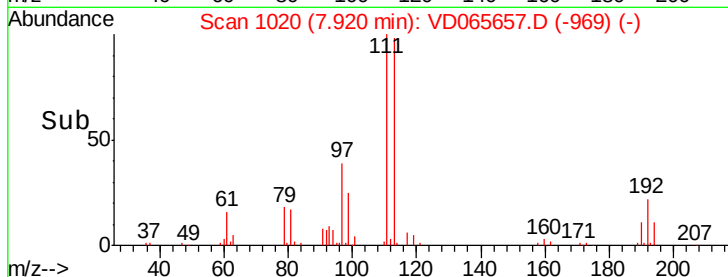
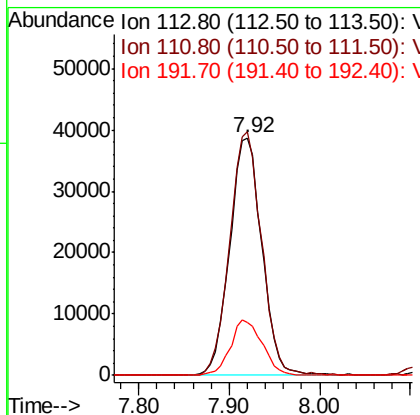
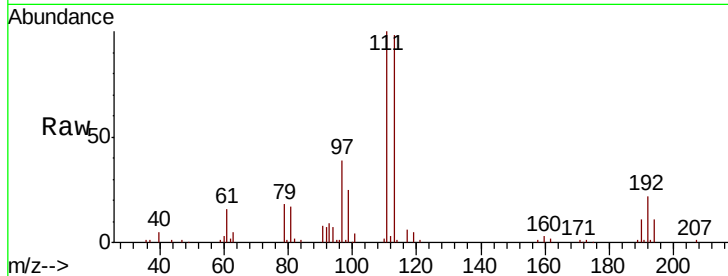
#35
 Dibromofluoromethane
 Concen: 49.870 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065657.D
 Acq: 17 Apr 2020 21:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0417SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.5	81.9	122.9
192	23.0	18.9	28.3

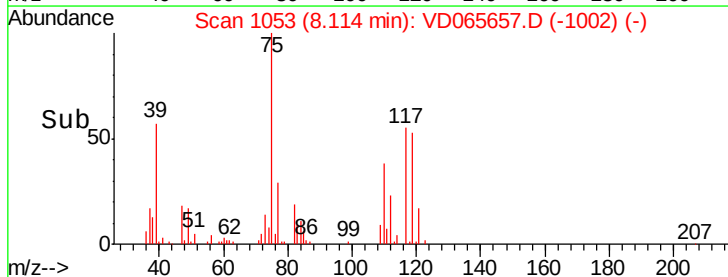
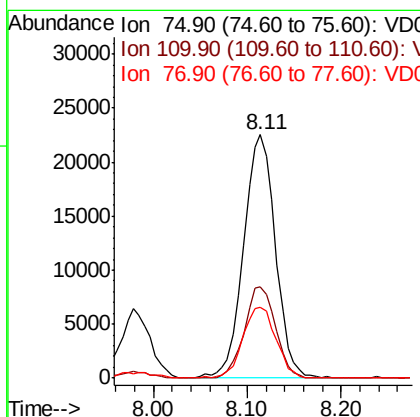
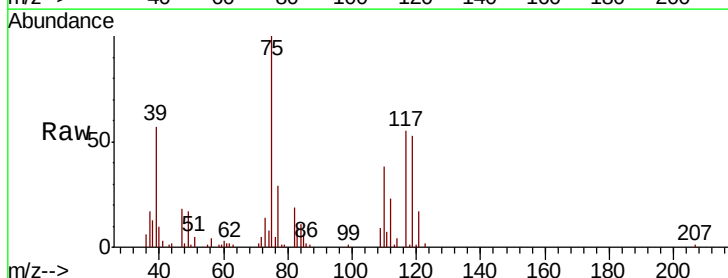
Manual Integrations
 APPROVED

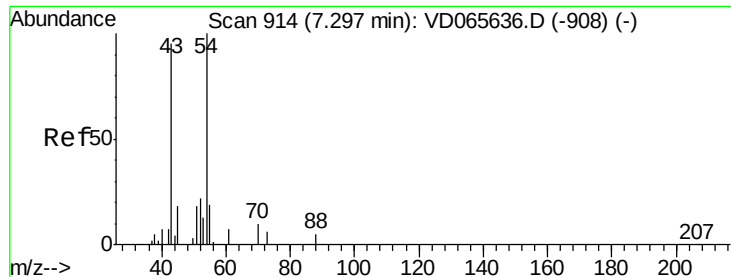
MMDadoda
 4/20/2020 4:28:26 PM



#36
 1,1-Dichloropropene
 Concen: 17.769 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065657.D
 Acq: 17 Apr 2020 21:13

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.6	18.3	54.8
77	30.5	24.6	37.0





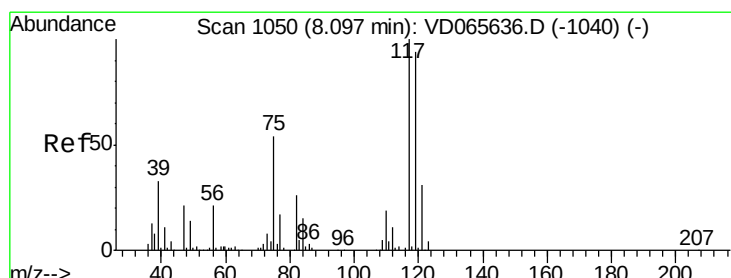
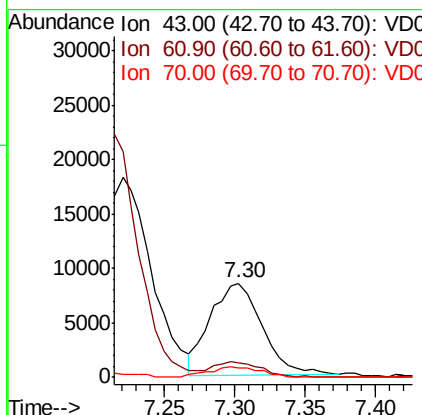
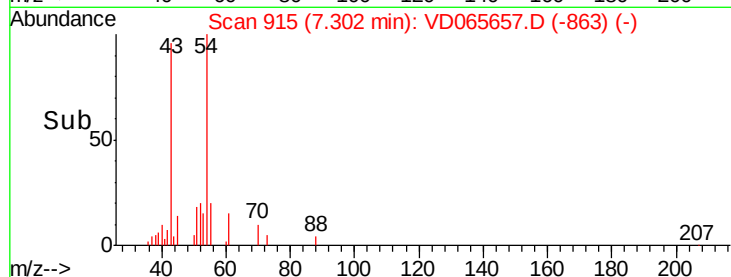
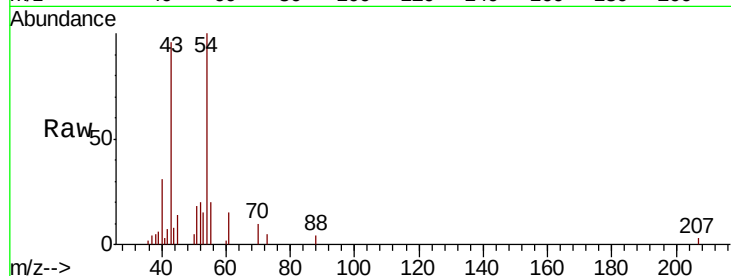
#37
Ethyl Acetate
Concen: 18.239 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD065657.D
Acq: 17 Apr 2020 21:13

Instrument :
MSVOA_D
ClientSampleId :
VD0417SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	10.9	16.3
70	11.1	7.9	11.9

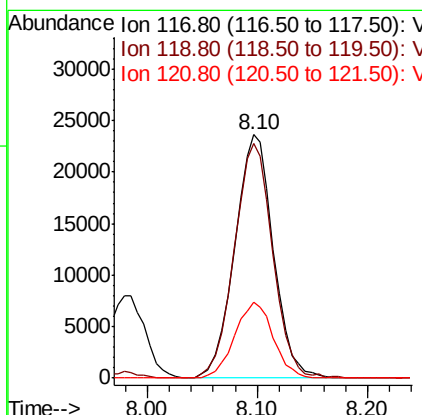
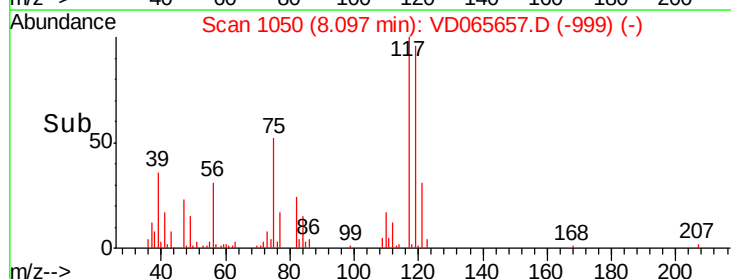
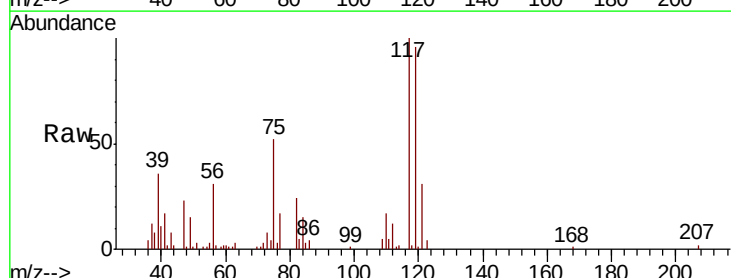
Manual Integrations
APPROVED

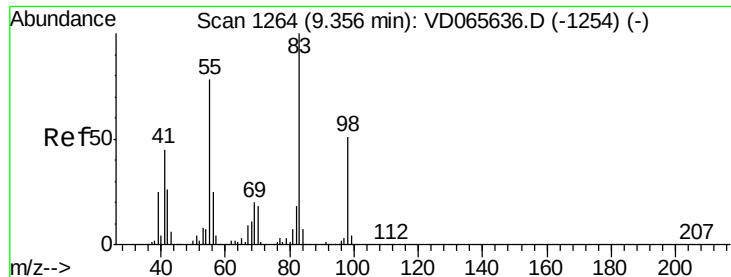
MMDadoda
4/20/2020 4:28:26 PM



#38
Carbon Tetrachloride
Concen: 18.119 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065657.D
Acq: 17 Apr 2020 21:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.4	75.3	112.9
121	31.0	24.9	37.3





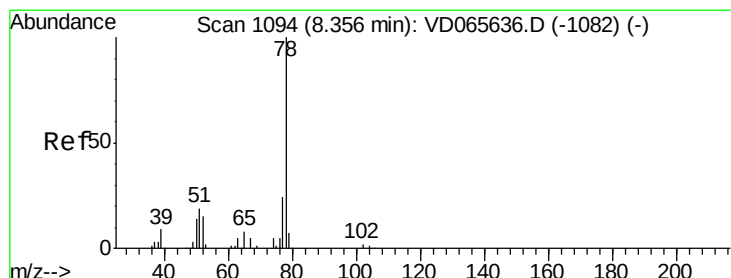
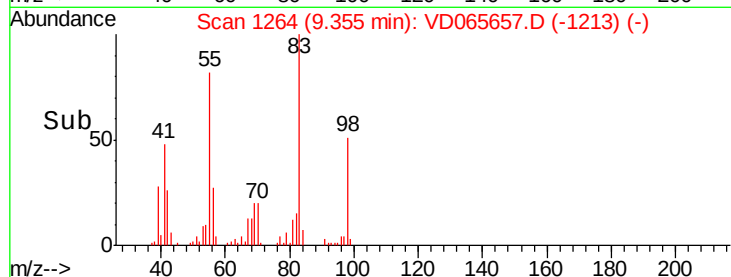
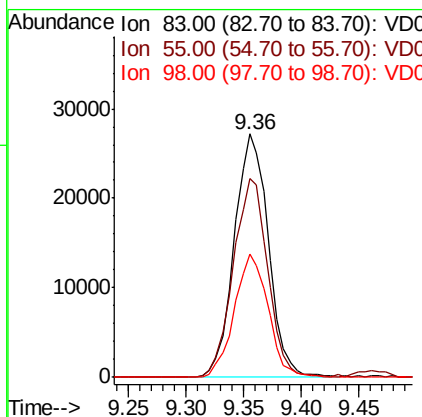
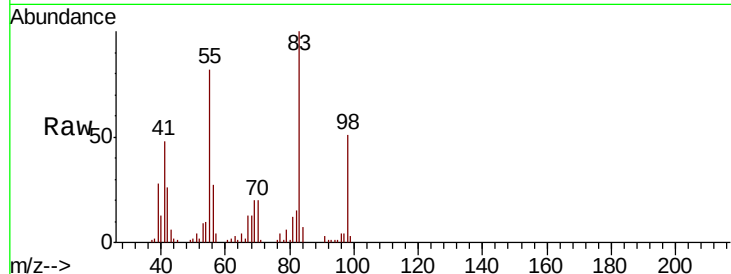
#39
Methylvlcyclohexane
Concen: 16.136 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065657.D
Acq: 17 Apr 2020 21:13

Instrument :
MSVOA_D
ClientSampleId :
VD0417SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.9	62.3	93.5
98	50.5	40.5	60.7

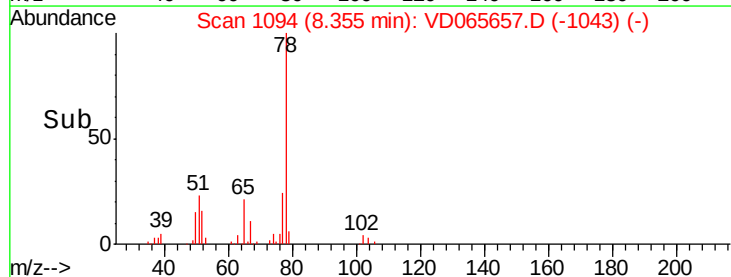
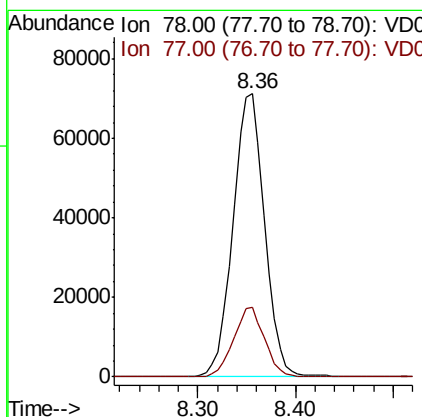
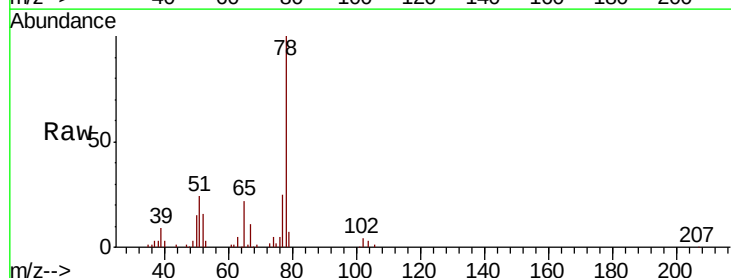
Manual Integrations
APPROVED

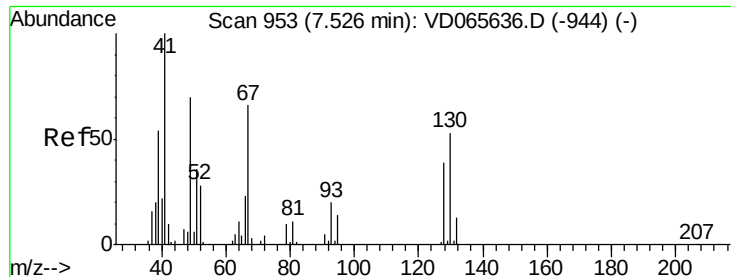
MMDadoda
4/20/2020 4:28:26 PM



#40
Benzene
Concen: 18.771 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065657.D
Acq: 17 Apr 2020 21:13

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.7	18.9	28.3





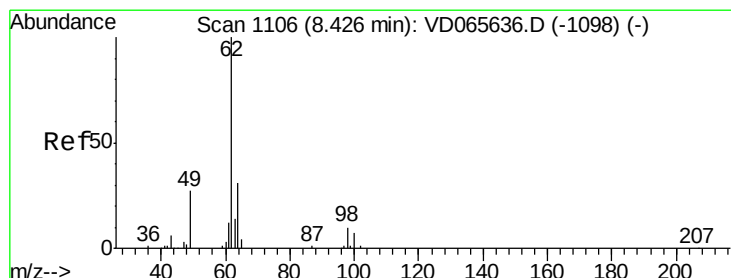
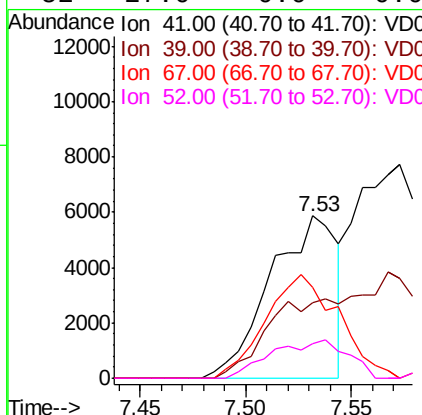
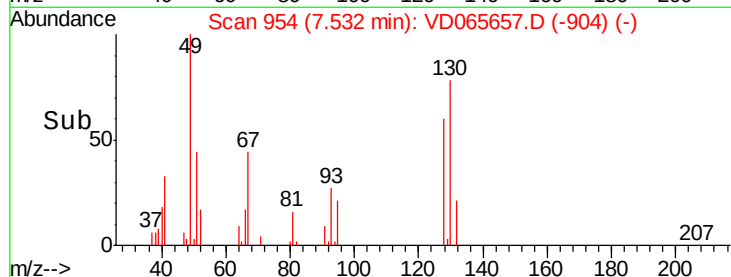
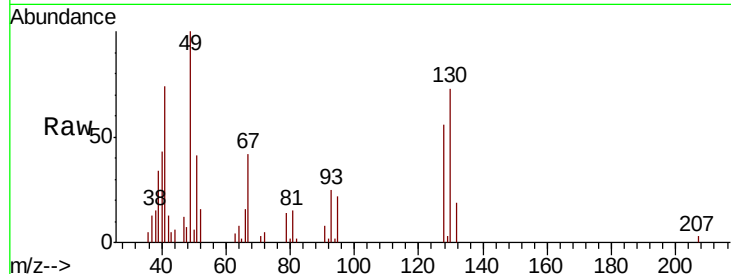
#41
Methacrylonitrile
Concen: 21.914 ug/l
RT: 7.53 min Scan# 954
Delta R.T. -0.01 min
Lab File: VD065657.D
Acq: 17 Apr 2020 21:13

Instrument :
MSVOA_D
ClientSampleId :
VD0417SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	69.9	0.0	0.0#
52	27.0	0.0	0.0#

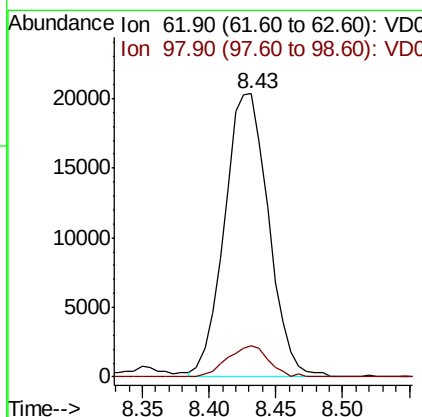
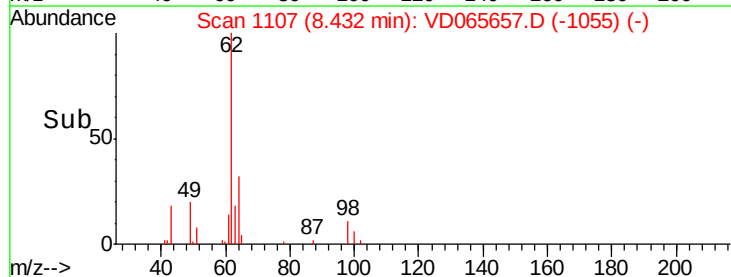
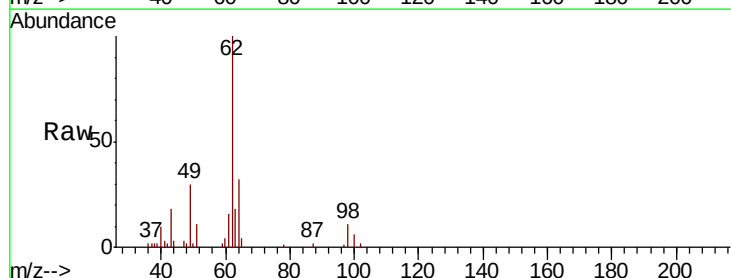
Manual Integrations
APPROVED

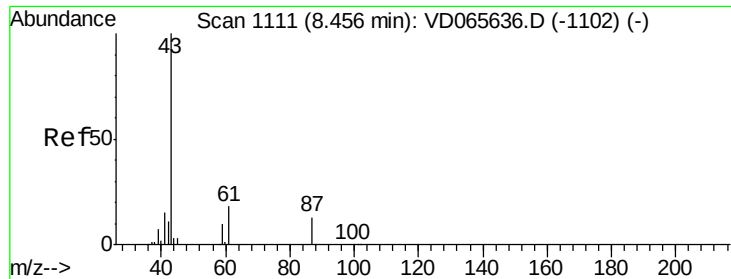
MMDadoda
4/20/2020 4:28:26 PM



#42
1,2-Dichloroethane
Concen: 19.970 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD065657.D
Acq: 17 Apr 2020 21:13

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	20.6





#43

Isopropyl Acetate

Concen: 19.621 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD065657.D

Acq: 17 Apr 2020 21:13

Instrument :

MSVOA_D

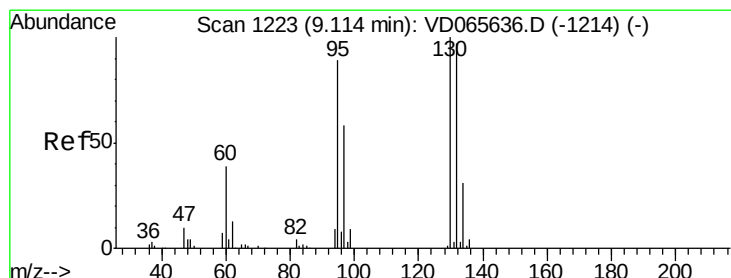
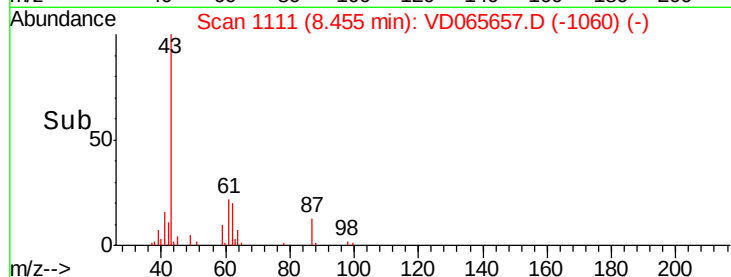
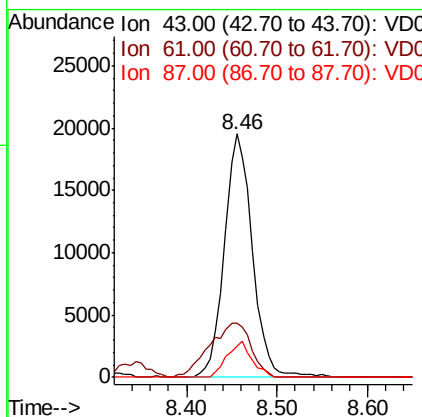
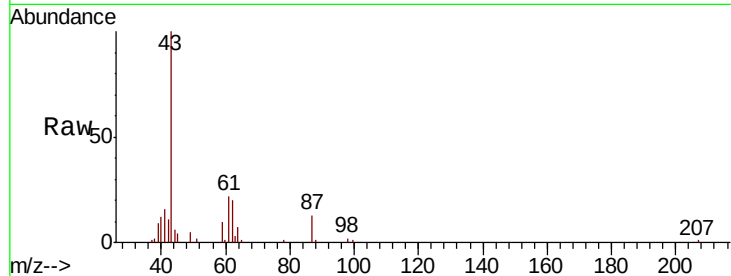
ClientSampleId :

VD0417SBS01

Tot Ion:	43	Resp:	41875
Ion	Ratio	Lower	Upper
43	100		
61	32.9	25.0	37.6
87	13.0	9.9	14.9

Manual Integrations
APPROVED

MMDadoda
4/20/2020 4:28:26 PM



#44

Trichloroethene

Concen: 17.978 ug/l

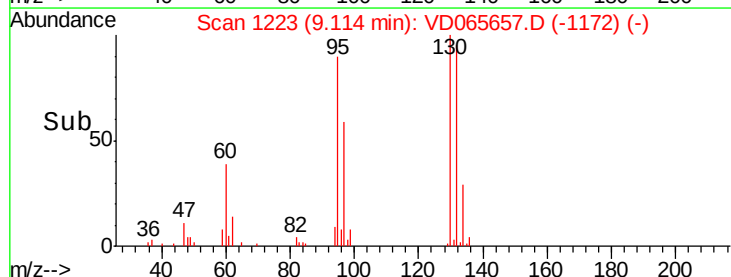
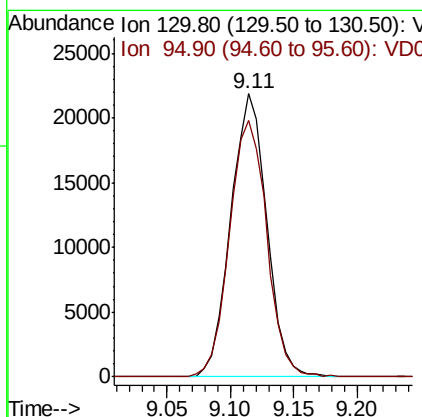
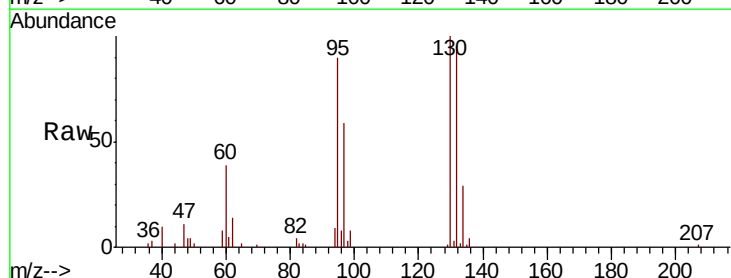
RT: 9.11 min Scan# 1223

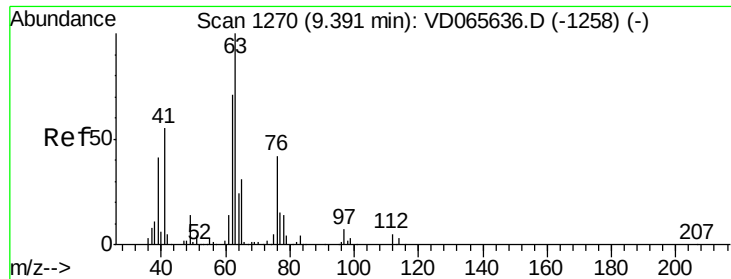
Delta R.T. -0.00 min

Lab File: VD065657.D

Acq: 17 Apr 2020 21:13

Tgt Ion:	130	Resp:	43000
Ion	Ratio	Lower	Upper
130	100		
95	90.4	0.0	178.4





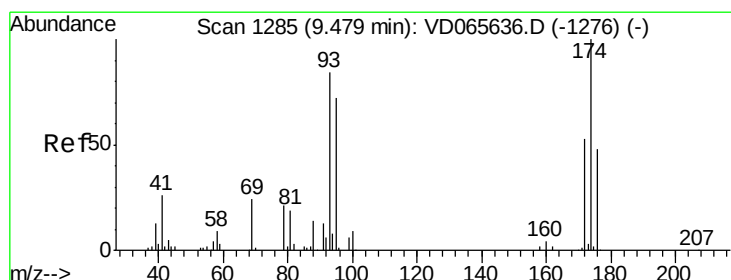
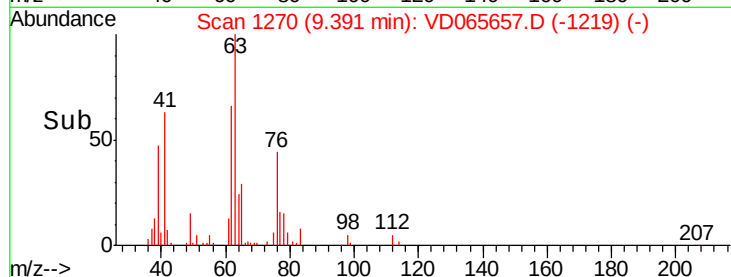
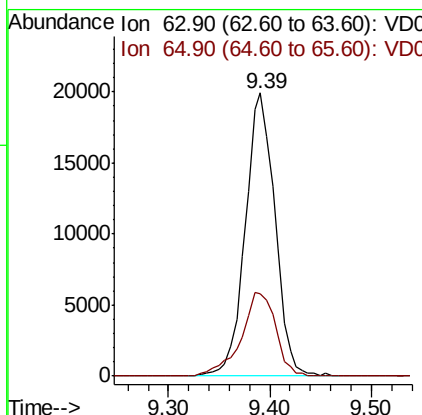
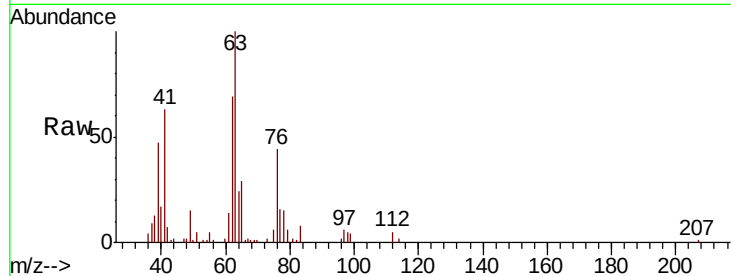
#45
 1,2-Dichloropropane
 Concen: 19.284 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD065657.D
 Acq: 17 Apr 2020 21:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0417SBS01

Tot Ion: 63 Resp: 40438
 Ion Ratio Lower Upper
 63 100
 65 29.3 24.7 37.1

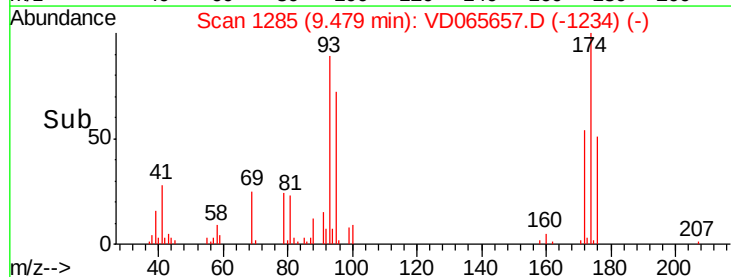
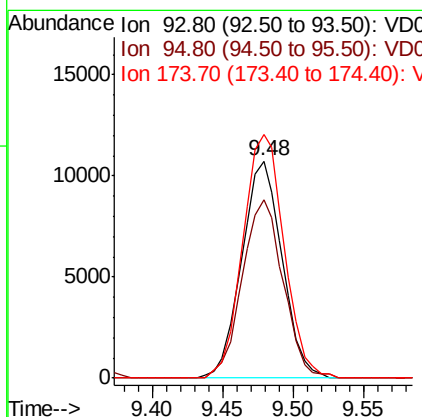
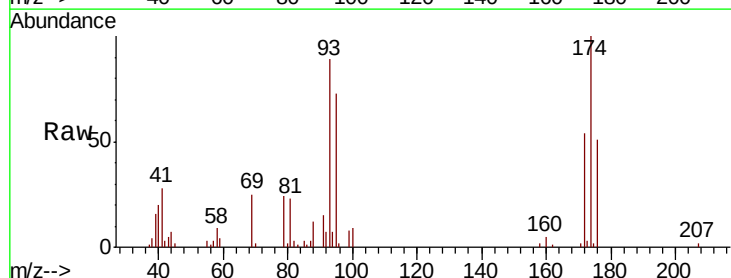
Manual Integrations
 APPROVED

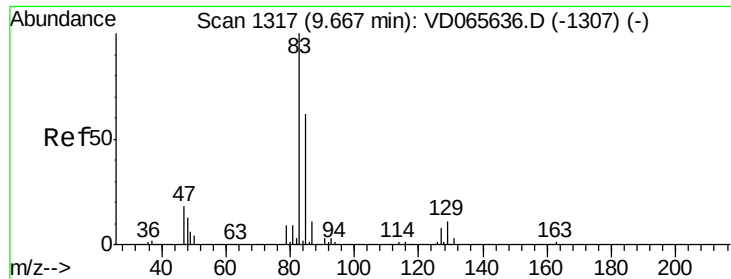
MMDadoda
 4/20/2020 4:28:26 PM



#46
 Dibromomethane
 Concen: 19.804 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD065657.D
 Acq: 17 Apr 2020 21:13

Tgt Ion: 93 Resp: 21476
 Ion Ratio Lower Upper
 93 100
 95 83.3 67.4 101.2
 174 115.0 94.1 141.1





#47

Bromodichloromethane

Concen: 19.246 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065657.D

Acq: 17 Apr 2020 21:13

Instrument :

MSVOA_D

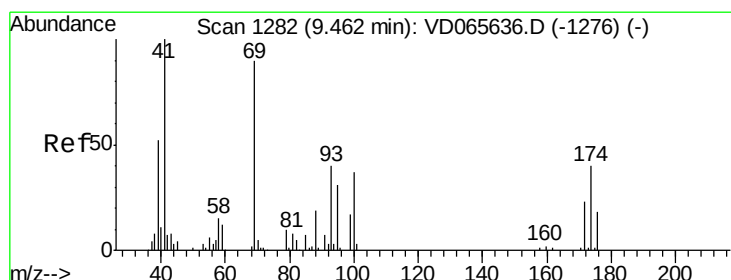
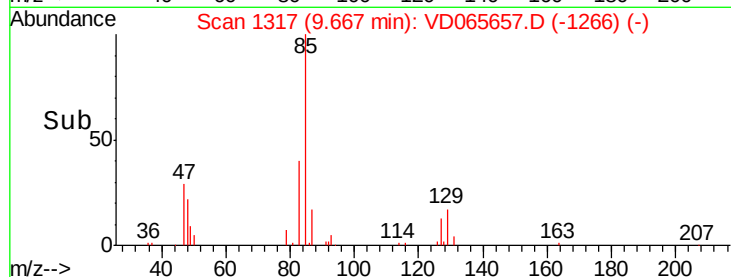
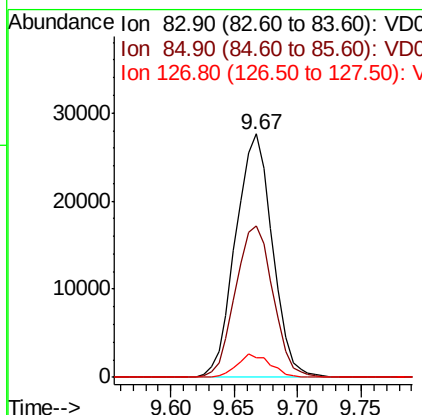
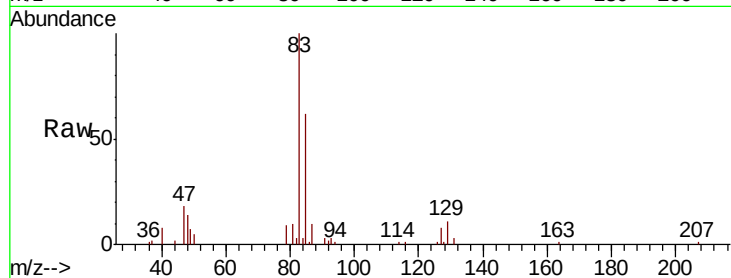
ClientSampleId :

VD0417SBS01

Tot Ion:	83	Resp:	55576
Ion	Ratio	Lower	Upper
83	100		
85	62.2	49.8	74.8
127	8.2	6.6	9.8

Manual Integrations
APPROVED

MMDadoda
4/20/2020 4:28:26 PM



#48

Methyl methacrylate

Concen: 17.782 ug/l

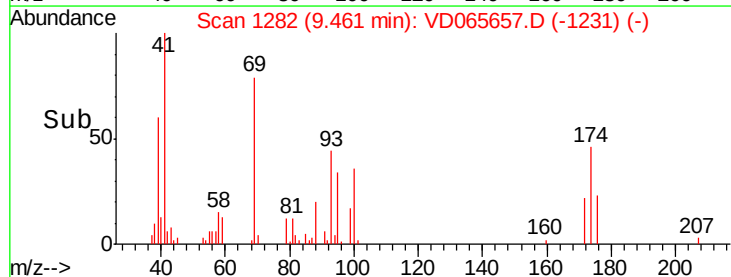
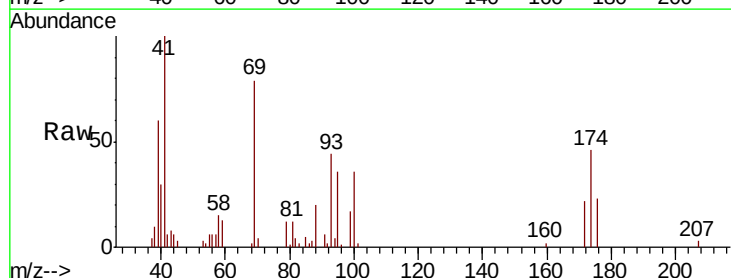
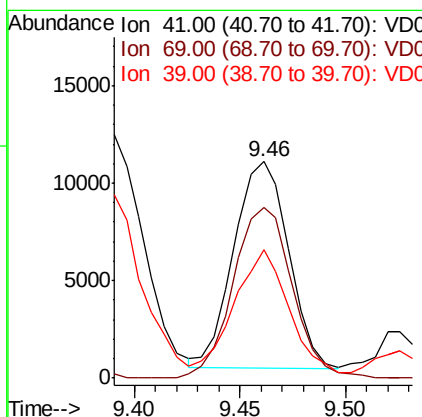
RT: 9.46 min Scan# 1282

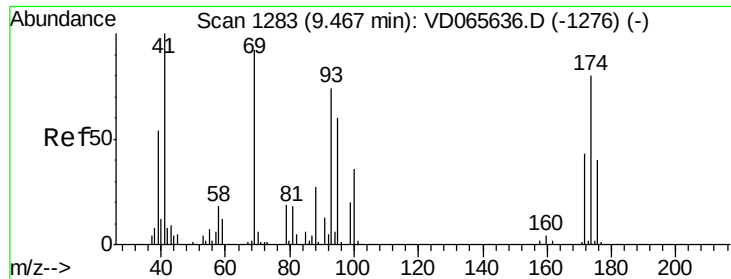
Delta R.T. 0.00 min

Lab File: VD065657.D

Acq: 17 Apr 2020 21:13

Tgt Ion:	41	Resp:	18992
Ion	Ratio	Lower	Upper
41	100		
69	89.6	66.8	100.2
39	64.7	39.6	59.4#





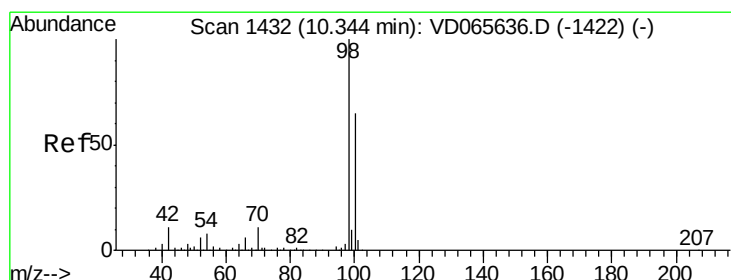
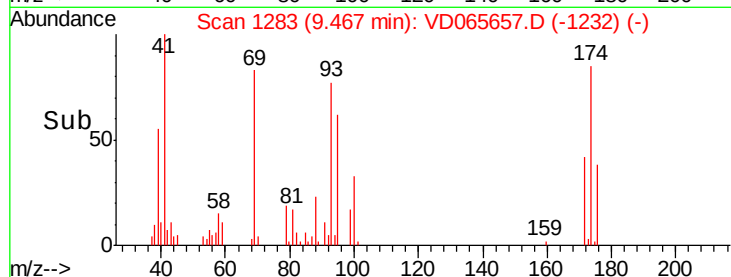
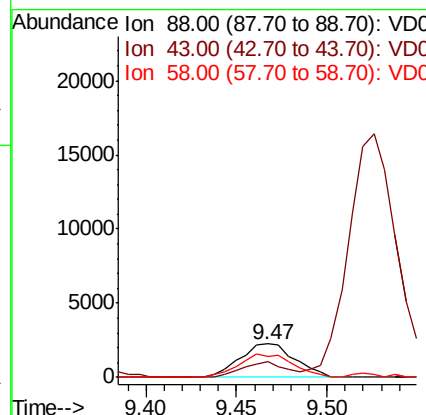
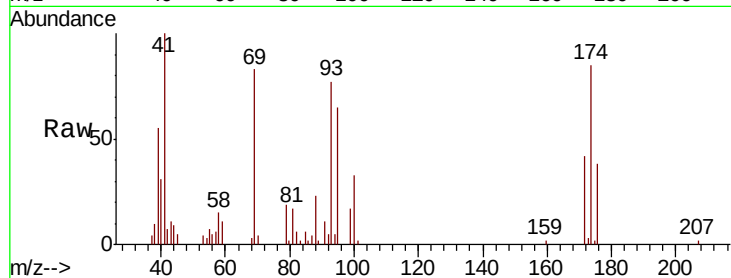
#49
1,4-Dioxane
Concen: 380.772 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD065657.D
Acq: 17 Apr 2020 21:13

Instrument :
MSVOA_D
ClientSampleId :
VD0417SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.5	28.1	42.1
58	68.8	55.7	83.5

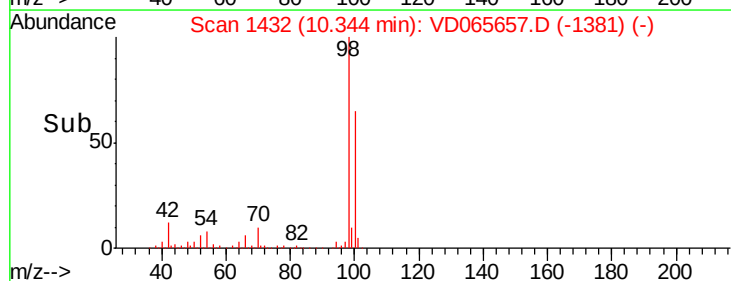
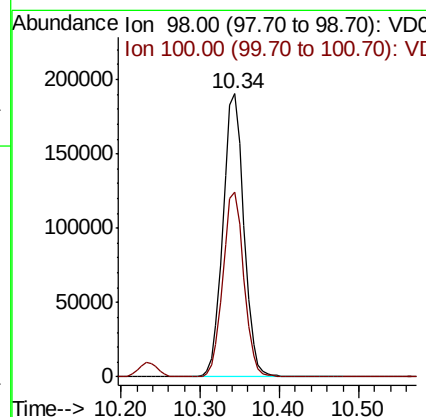
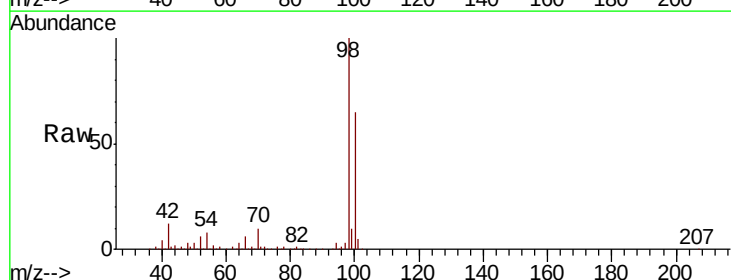
Manual Integrations
APPROVED

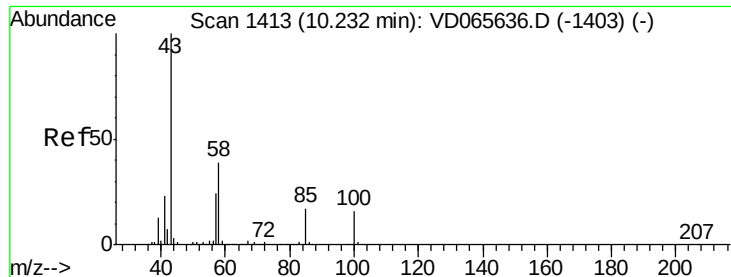
MMDadoda
4/20/2020 4:28:26 PM



#50
Toluene-d8
Concen: 49.551 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065657.D
Acq: 17 Apr 2020 21:13

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.4	78.6





#51

4-Methyl-2-Pentanone

Concen: 97.107 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD065657.D

Acq: 17 Apr 2020 21:13

Instrument :

MSVOA_D

ClientSampleId :

VD0417SBS01

Tot Ion: 43 Resp: 108376

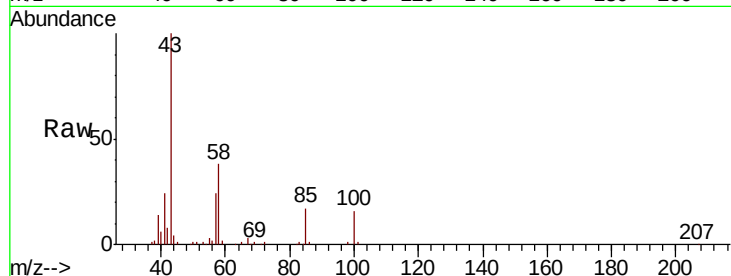
Ion Ratio Lower Upper

43 100

58 37.3 31.1 46.7

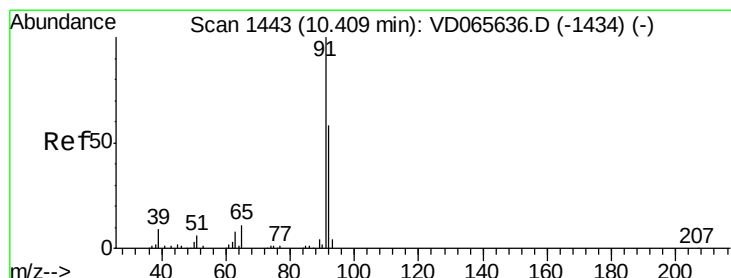
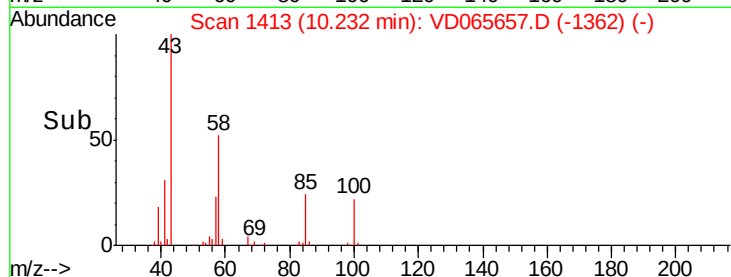
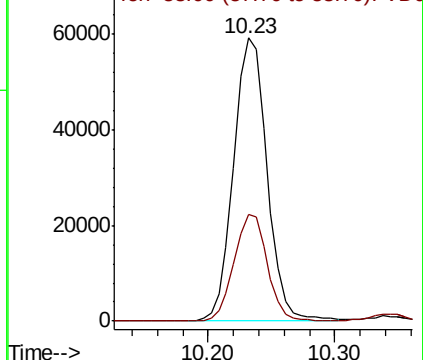
Manual Integrations
APPROVED

MMDadoda
4/20/2020 4:28:26 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 19.392 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.01 min

Lab File: VD065657.D

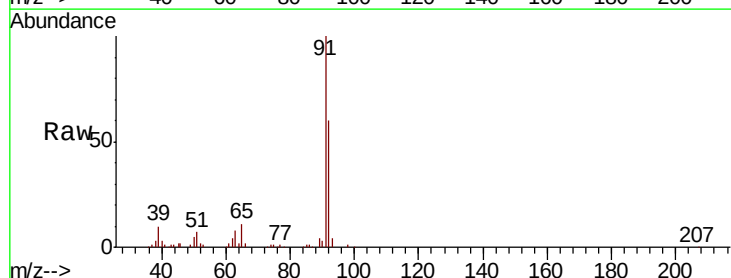
Acq: 17 Apr 2020 21:13

Tgt Ion: 92 Resp: 102148

Ion Ratio Lower Upper

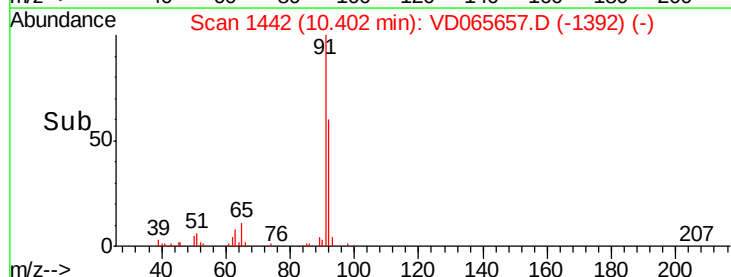
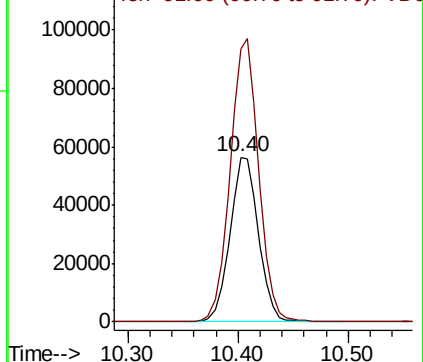
92 100

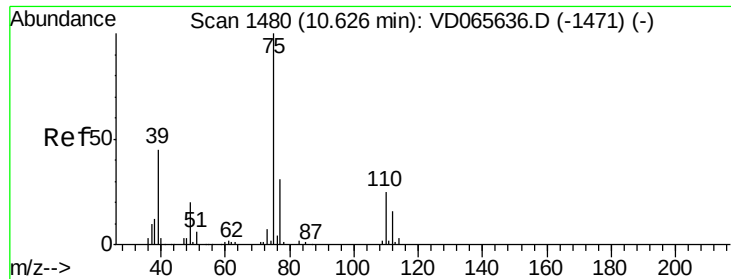
91 171.6 136.6 205.0



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





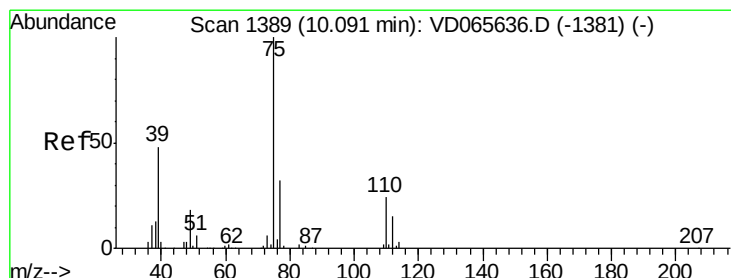
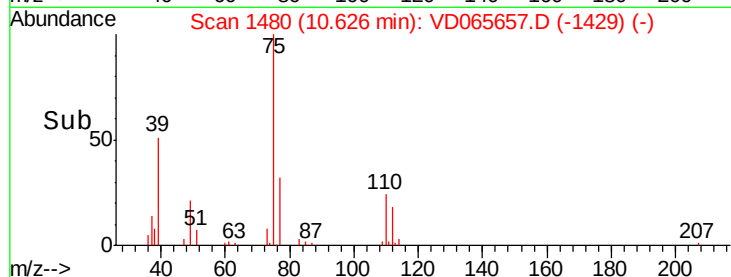
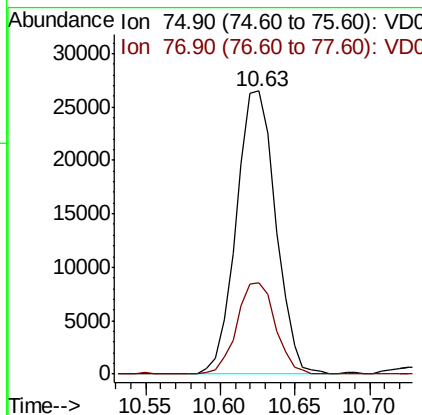
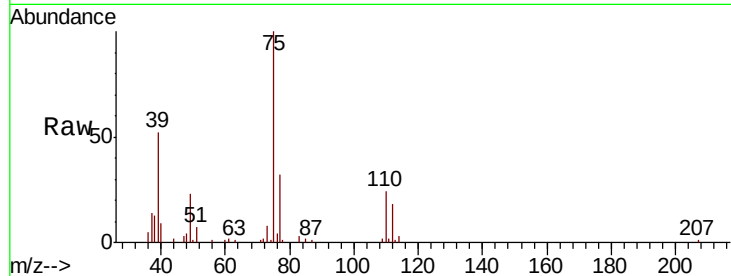
#53
 t-1,3-Dichloropropene
 Concen: 18.348 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. -0.00 min
 Lab File: VD065657.D
 Acq: 17 Apr 2020 21:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0417SBS01

Tot Ion: 75 Resp: 48650
 Ion Ratio Lower Upper
 75 100
 77 32.3 24.8 37.2

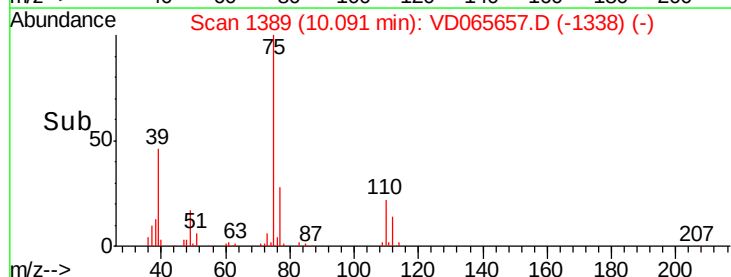
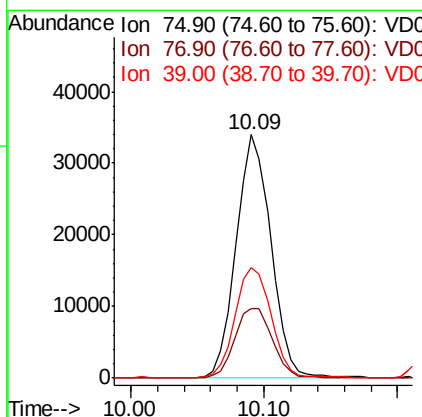
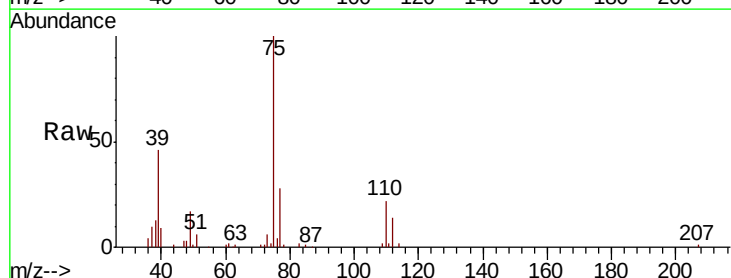
Manual Integrations
 APPROVED

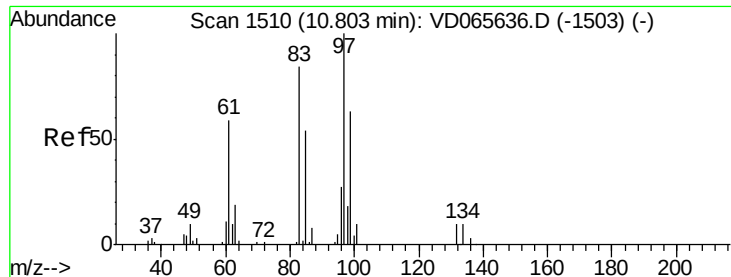
MMDadoda
 4/20/2020 4:28:26 PM



#54
 cis-1,3-Dichloropropene
 Concen: 19.109 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. -0.00 min
 Lab File: VD065657.D
 Acq: 17 Apr 2020 21:13

Tgt Ion: 75 Resp: 61320
 Ion Ratio Lower Upper
 75 100
 77 28.4 25.2 37.8
 39 45.6 38.7 58.1





#55

1,1,2-Trichloroethane

Concen: 20.470 ug/l

RT: 10.81 min Scan# 1511

Delta R.T. 0.01 min

Lab File: VD065657.D

Acq: 17 Apr 2020 21:13

Instrument :

MSVOA_D

ClientSampleId :

VD0417SBS01

Tot Ion: 97 Resp: 31398

Ion Ratio Lower Upper

97 100

83 82.4 67.4 101.0

85 49.5 43.4 65.0

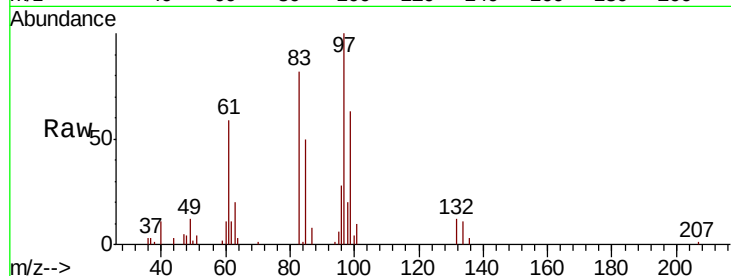
99 62.7 50.5 75.7

Manual Integrations

APPROVED

MMDadoda

4/20/2020 4:28:26 PM



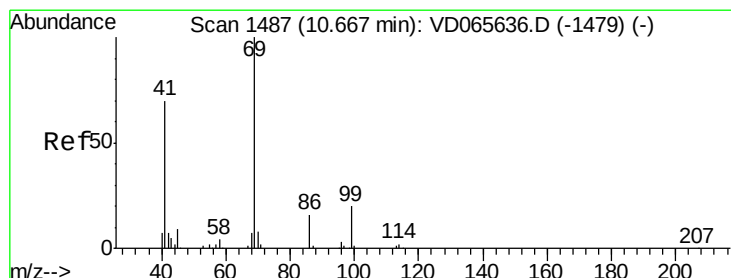
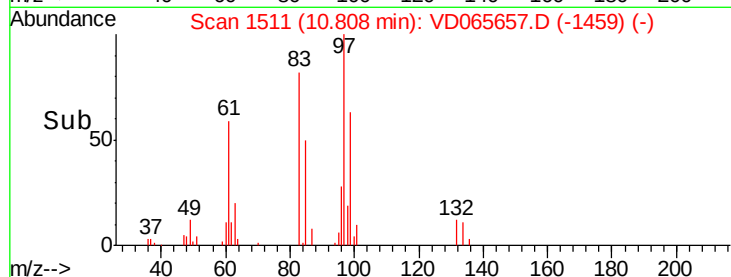
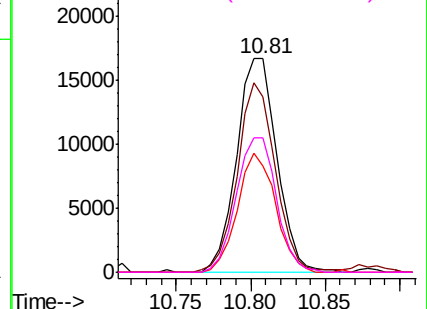
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 18.715 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VD065657.D

Acq: 17 Apr 2020 21:13

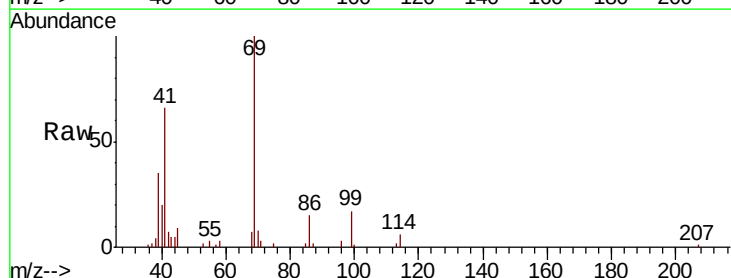
Tgt Ion: 69 Resp: 31441

Ion Ratio Lower Upper

69 100

41 70.5 56.2 84.4

39 33.9 26.6 39.8

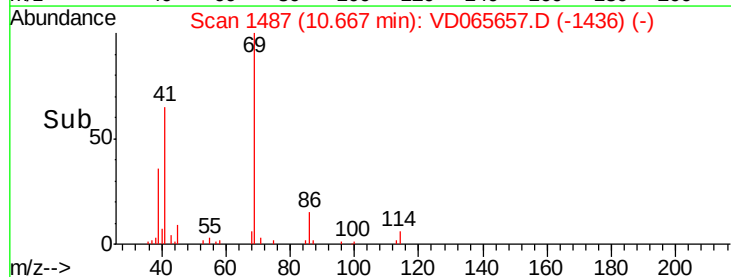
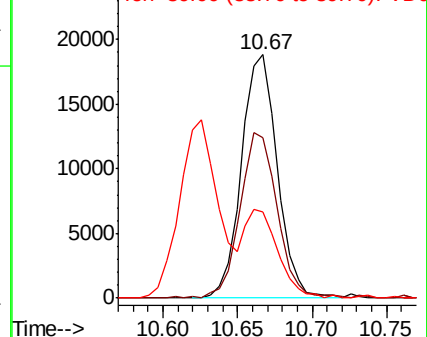


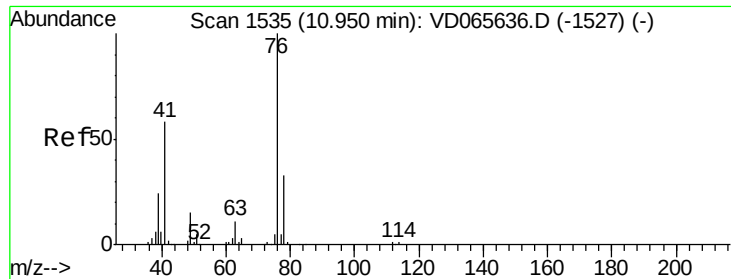
Abundance

Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





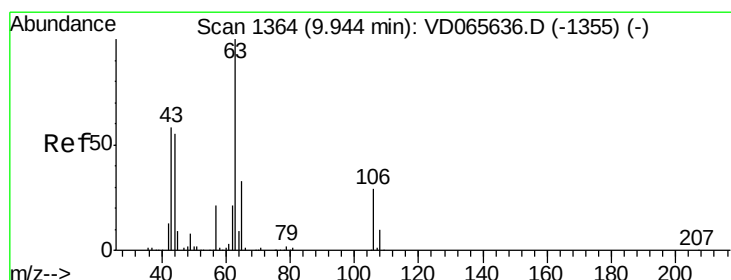
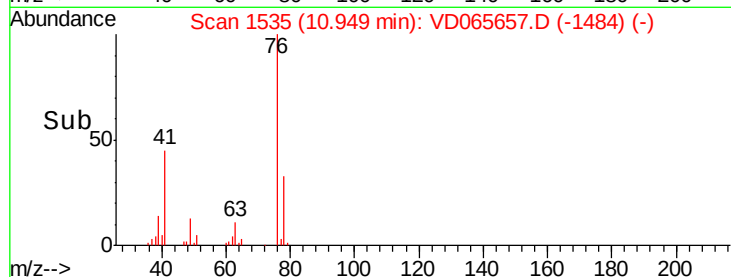
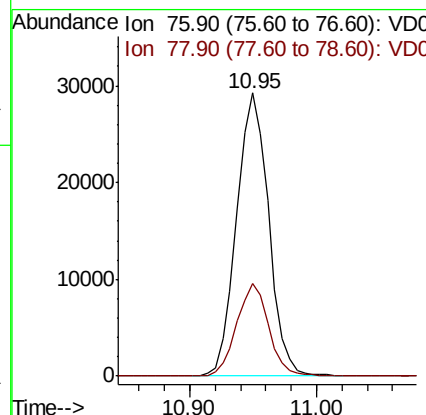
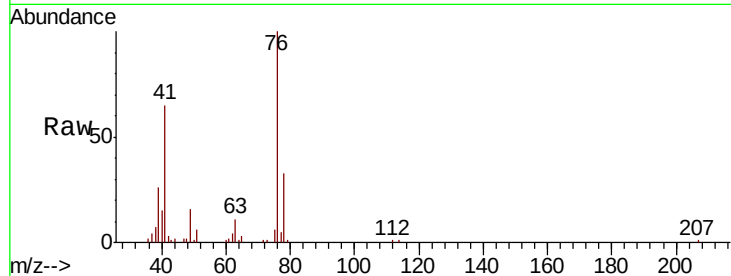
#57
 1,3-Dichloropropane
 Concen: 19.597 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD065657.D
 Acq: 17 Apr 2020 21:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0417SBS01

Tot Ion: 76 Resp: 51183
 Ion Ratio Lower Upper
 76 100
 78 32.4 26.1 39.1

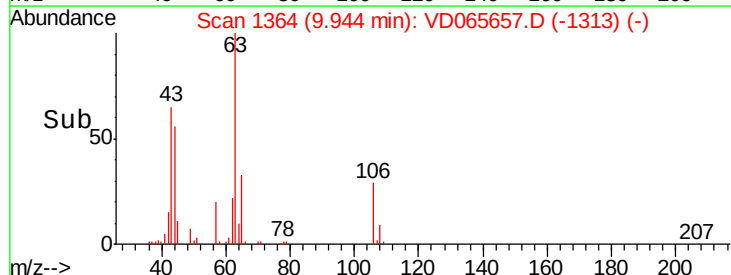
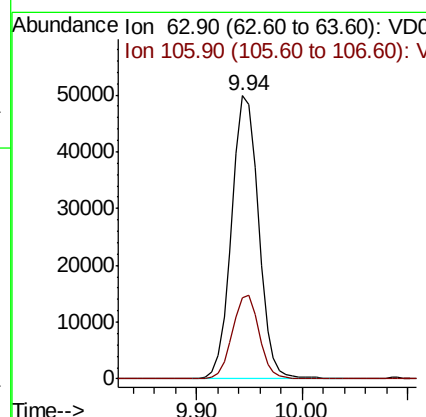
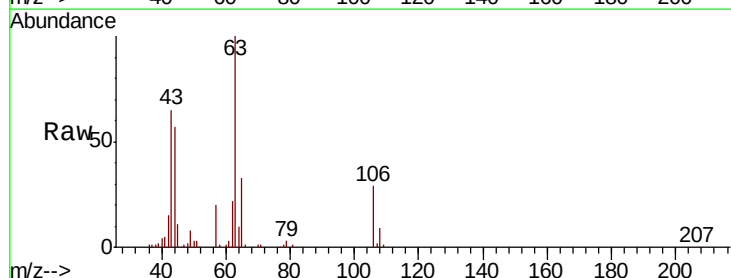
Manual Integrations
 APPROVED

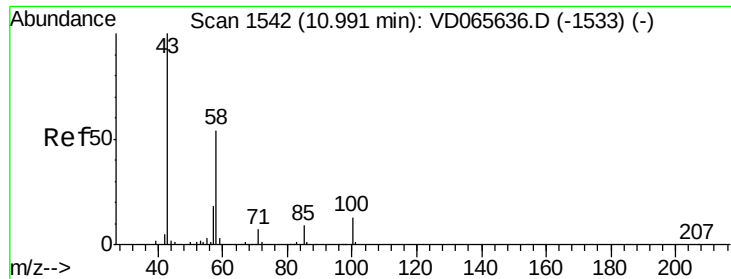
MMDadoda
 4/20/2020 4:28:26 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 103.483 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD065657.D
 Acq: 17 Apr 2020 21:13

Tgt Ion: 63 Resp: 88387
 Ion Ratio Lower Upper
 63 100
 106 29.2 23.8 35.6





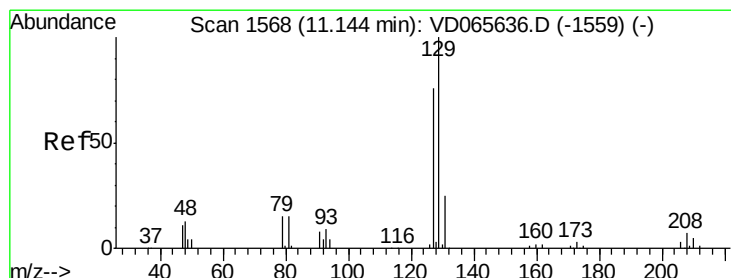
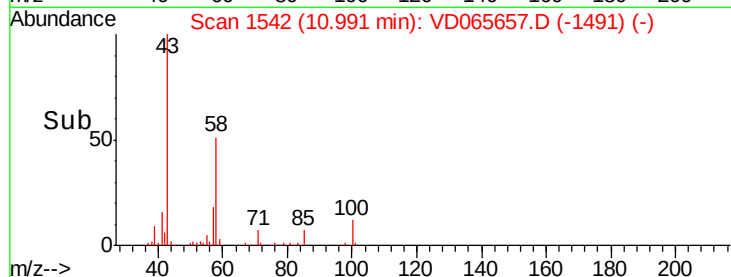
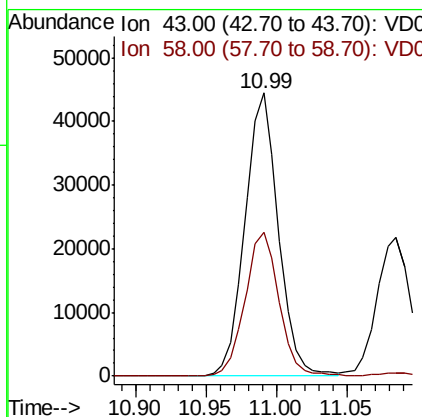
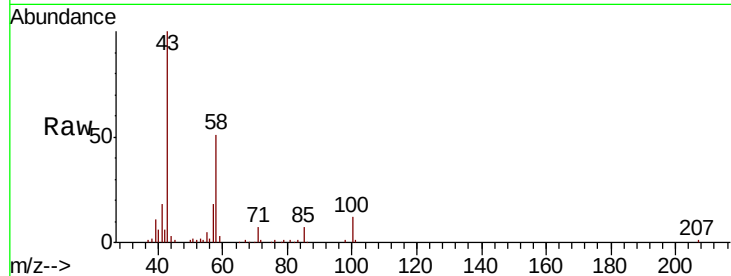
#59
2-Hexanone
Concen: 96.624 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065657.D
Acq: 17 Apr 2020 21:13

Instrument :
MSVOA_D
ClientSampleId :
VD0417SBSD01

Tot Ion: 43 Resp: 73878
Ion Ratio Lower Upper
43 100
58 51.4 26.5 79.4

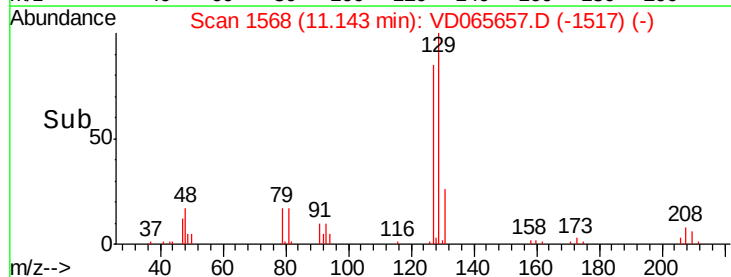
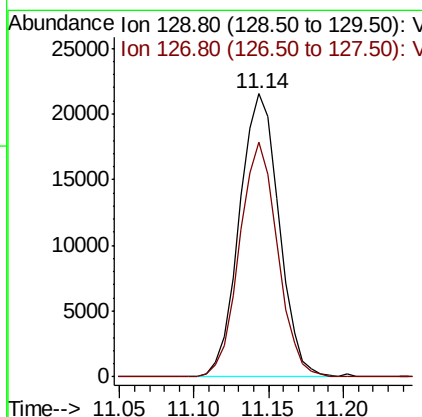
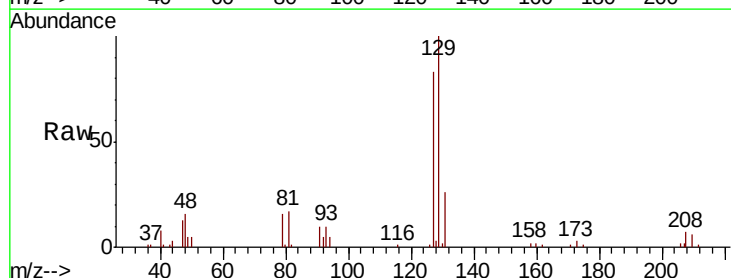
Manual Integrations
APPROVED

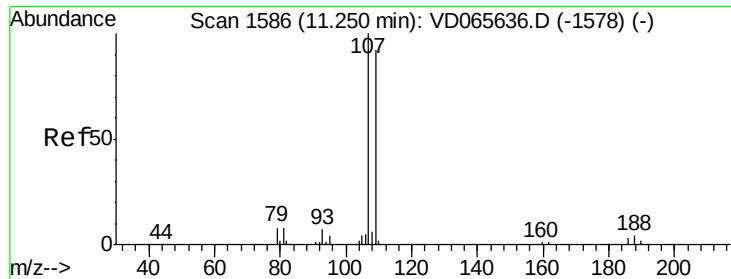
MMDadoda
4/20/2020 4:28:26 PM



#60
Dibromochloromethane
Concen: 19.590 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065657.D
Acq: 17 Apr 2020 21:13

Tgt Ion: 129 Resp: 39576
Ion Ratio Lower Upper
129 100
127 79.7 38.8 116.3





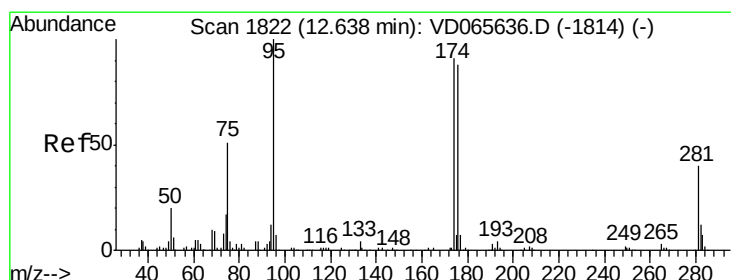
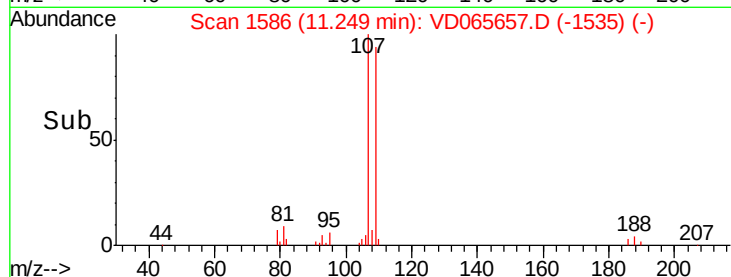
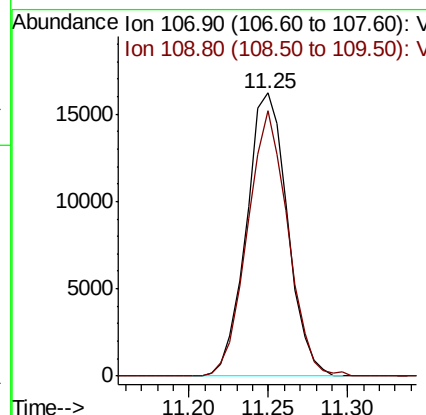
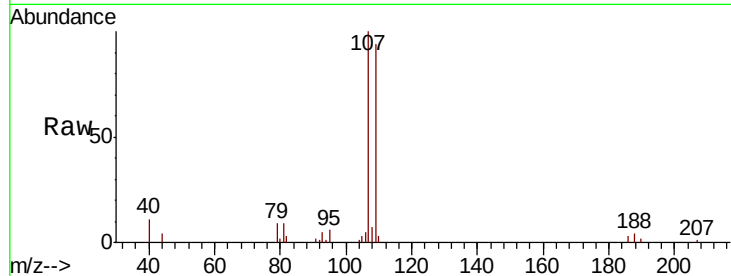
#61
 1,2-Dibromoethane
 Concen: 19.784 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD065657.D
 Acq: 17 Apr 2020 21:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0417SBS01

Tot Ion	Ratio	Resp	Lower	Upper
107	100	29199		
109	92.3	74.6	112.0	

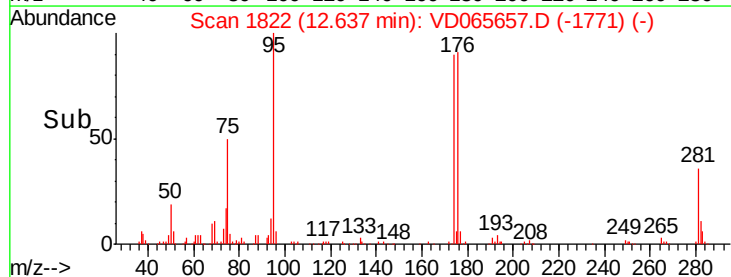
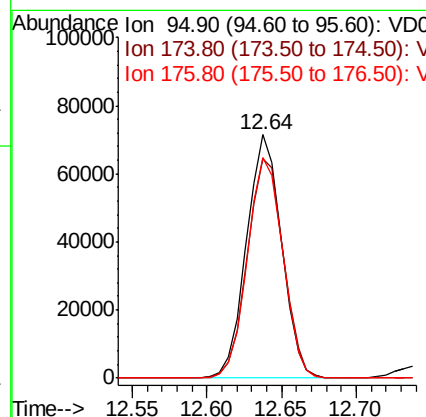
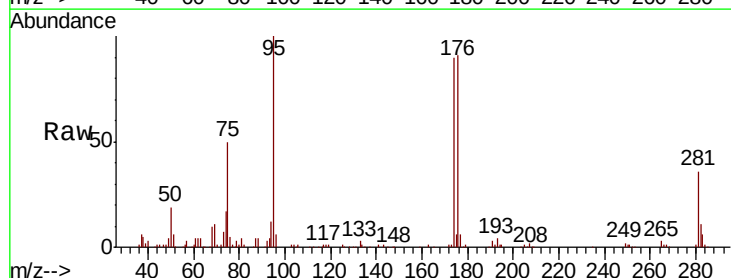
Manual Integrations
 APPROVED

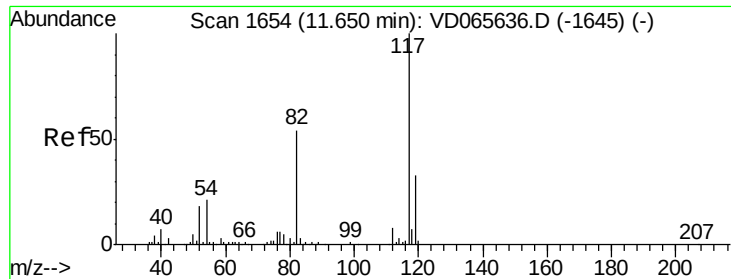
MMDadoda
 4/20/2020 4:28:26 PM



#62
 4-Bromofluorobenzene
 Concen: 49.263 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD065657.D
 Acq: 17 Apr 2020 21:13

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	115750		
174	92.9	0.0	183.8	
176	91.6	0.0	181.4	





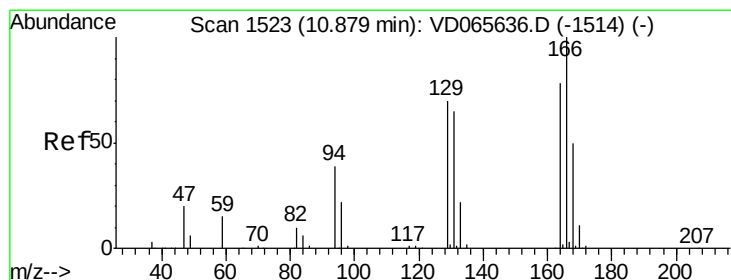
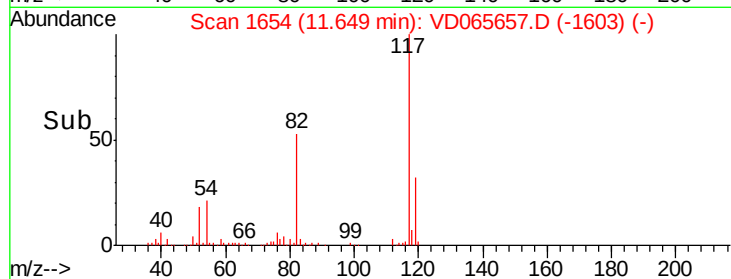
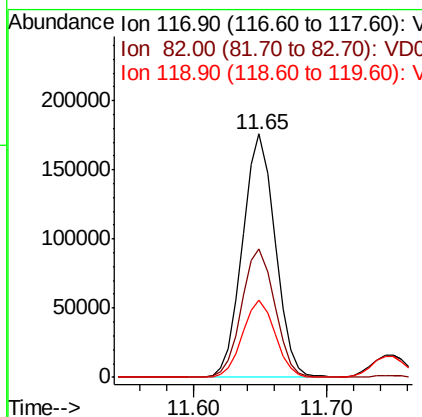
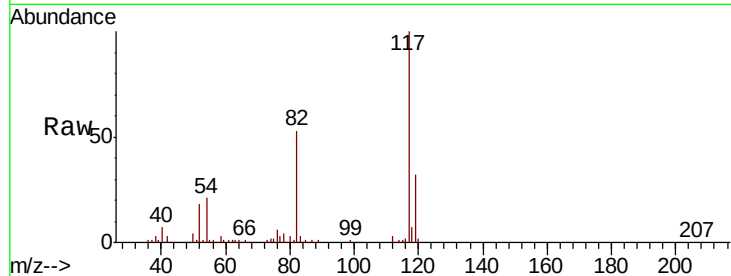
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065657.D
Acq: 17 Apr 2020 21:13

Instrument :
MSVOA_D
ClientSampleId :
VD0417SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	298171		
82	52.8		43.2	64.8
119	31.6		26.2	39.4

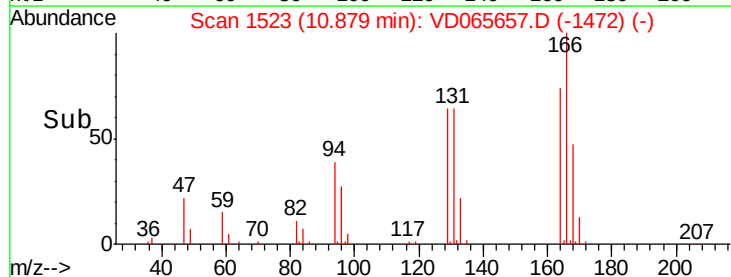
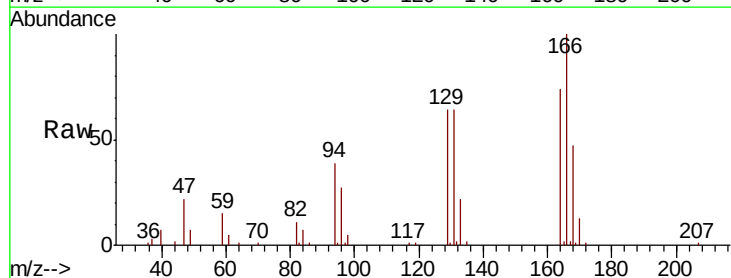
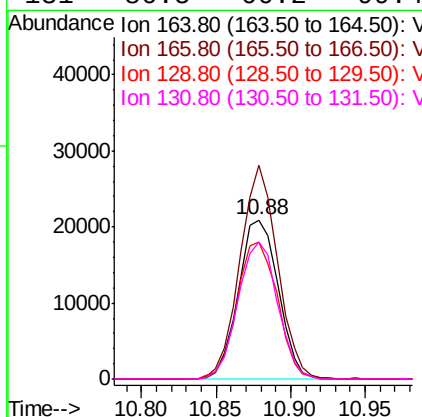
Manual Integrations
APPROVED

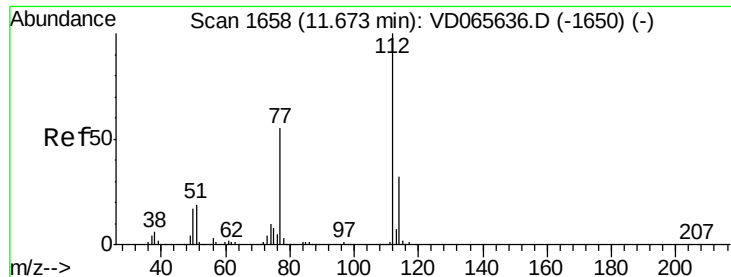
MMDadoda
4/20/2020 4:28:26 PM



#64
Tetrachloroethene
Concen: 18.104 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065657.D
Acq: 17 Apr 2020 21:13

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	38733		
166	134.4		102.3	153.5
129	86.6		71.7	107.5
131	86.5		66.2	99.4





#65

Chlorobenzene

Concen: 18.884 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. -0.00 min

Lab File: VD065657.D

Acq: 17 Apr 2020 21:13

Instrument :

MSVOA_D

ClientSampleId :

VD0417SBS01

Tot Ion:112 Resp: 111480

Ion Ratio Lower Upper

112 100

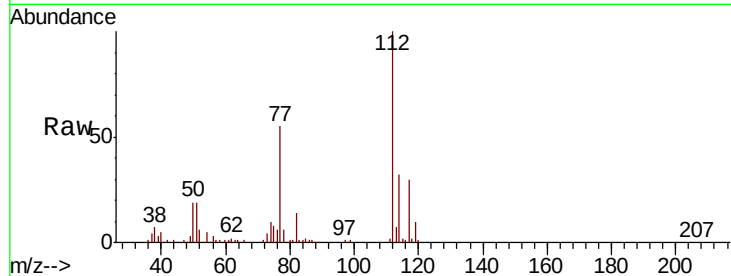
114 31.6 25.3 37.9

Manual Integrations

APPROVED

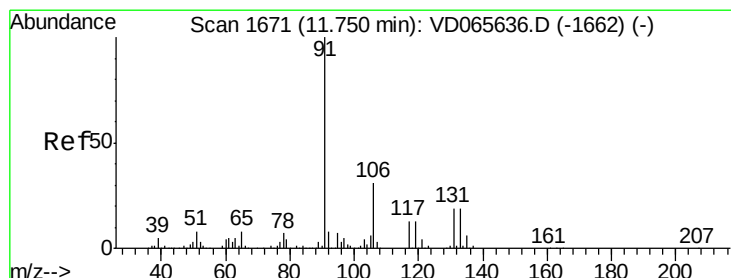
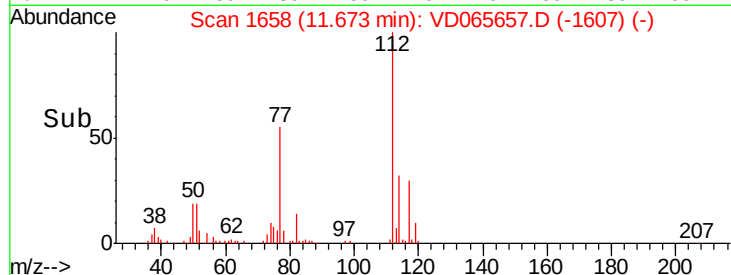
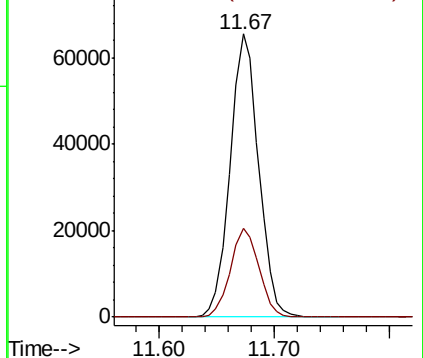
MMDadoda

4/20/2020 4:28:26 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.255 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065657.D

Acq: 17 Apr 2020 21:13

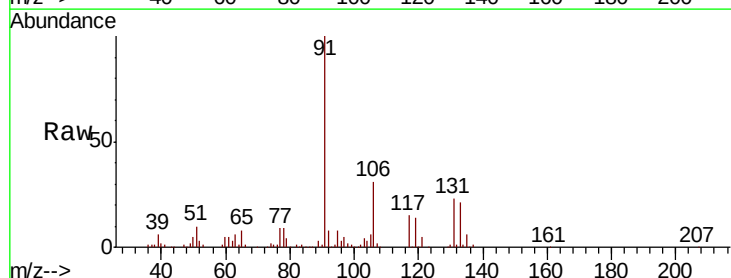
Tgt Ion:131 Resp: 43462

Ion Ratio Lower Upper

131 100

133 95.3 47.7 143.1

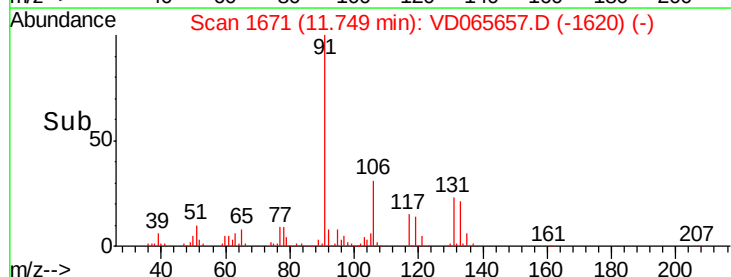
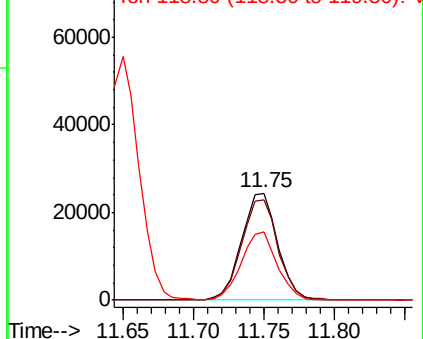
119 63.7 32.6 97.7

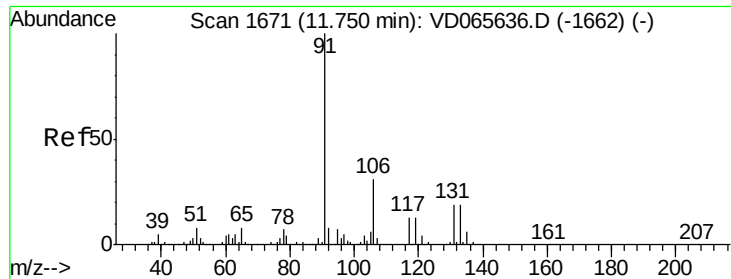


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 17.596 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065657.D

Acq: 17 Apr 2020 21:13

Instrument :

MSVOA_D

ClientSampleId :

VD0417SBS01

Tot Ion: 91 Resp: 177533

Ion Ratio Lower Upper

91 100

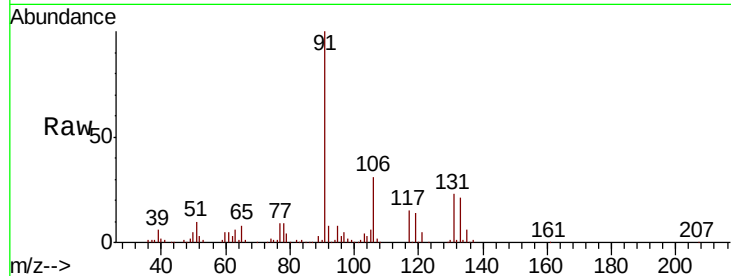
106 31.4 25.1 37.7

Manual Integrations

APPROVED

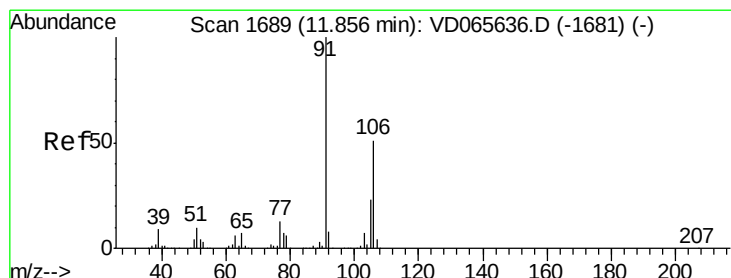
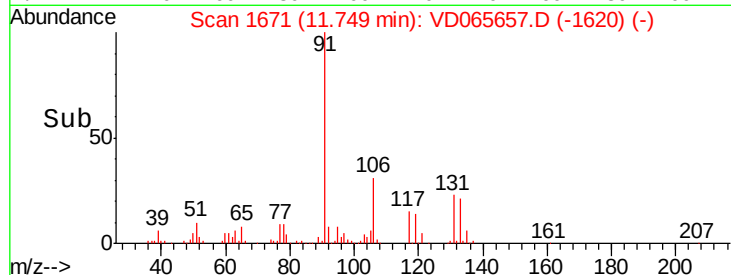
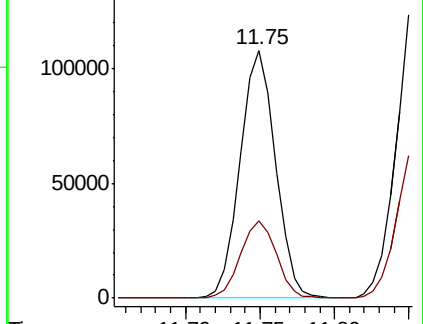
MMDadoda

4/20/2020 4:28:26 PM



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): VDC



#68

m/p-Xylenes

Concen: 36.757 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD065657.D

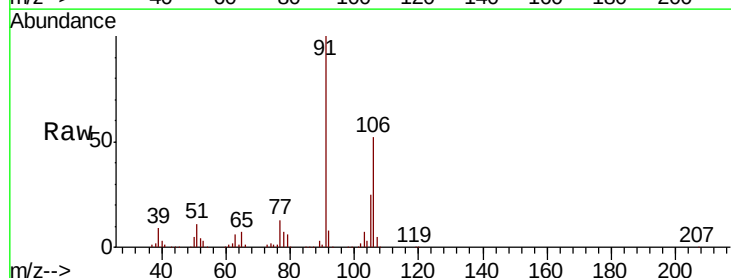
Acq: 17 Apr 2020 21:13

Tgt Ion: 106 Resp: 143270

Ion Ratio Lower Upper

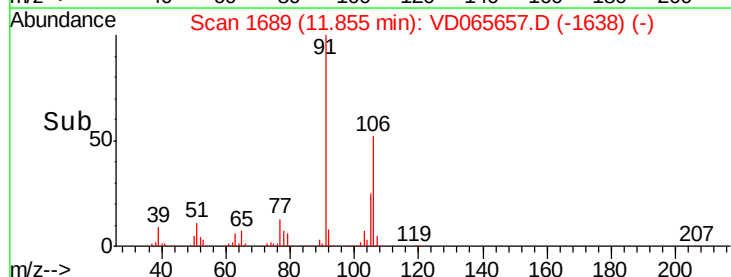
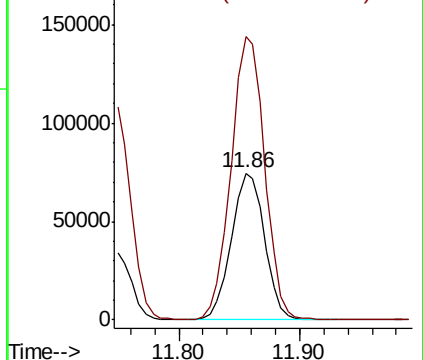
106 100

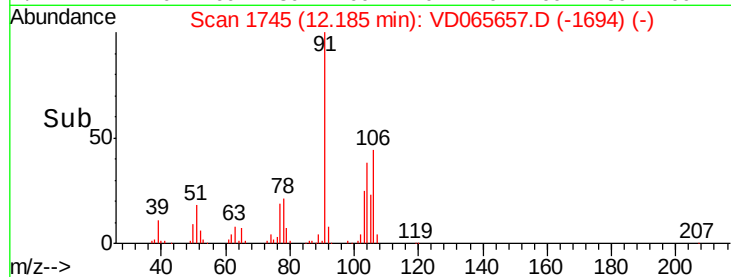
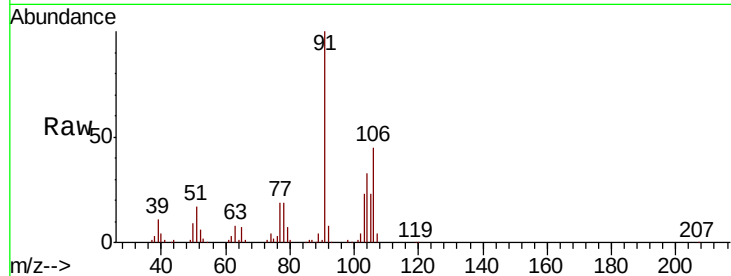
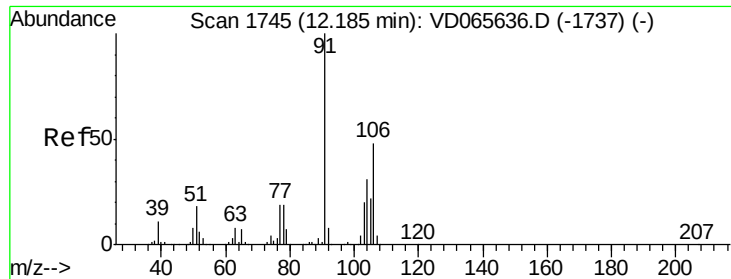
91 195.2 157.9 236.9



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





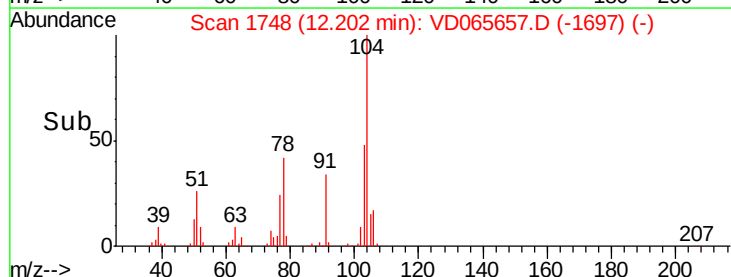
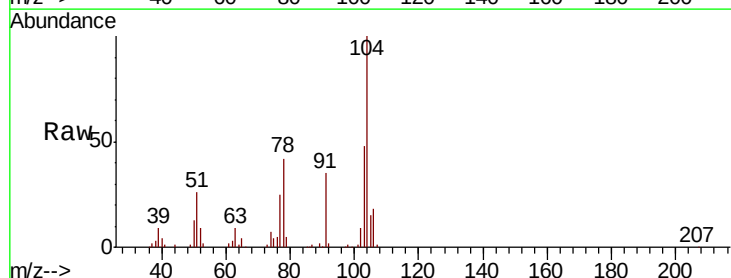
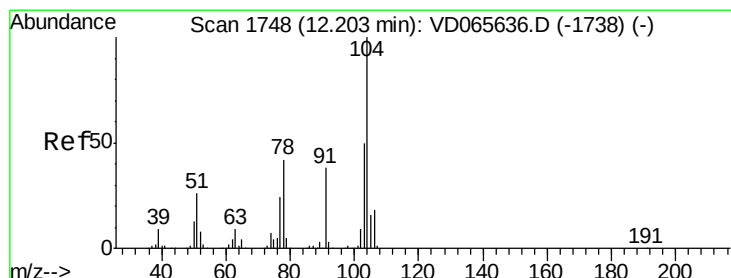
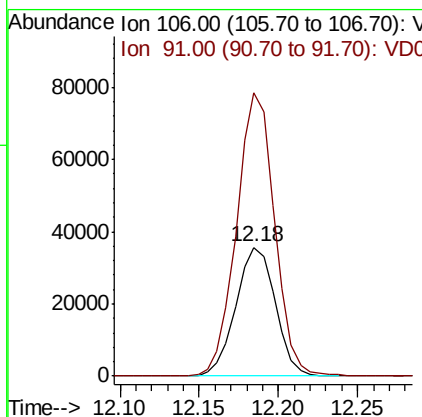
#69
o-Xylene
Concen: 18.020 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065657.D
Acq: 17 Apr 2020 21:13

Instrument :
MSVOA_D
ClientSampleId :
VD0417SBS01

Tot Ion:106 Resp: 61627
Ion Ratio Lower Upper
106 100
91 211.8 103.6 310.9

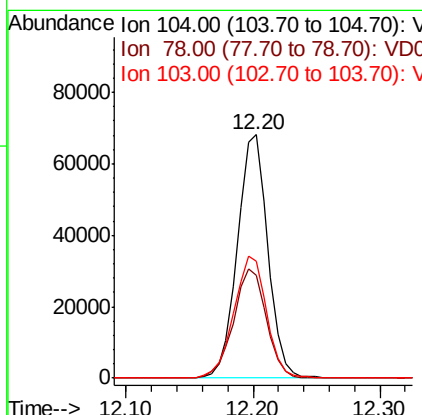
Manual Integrations
APPROVED

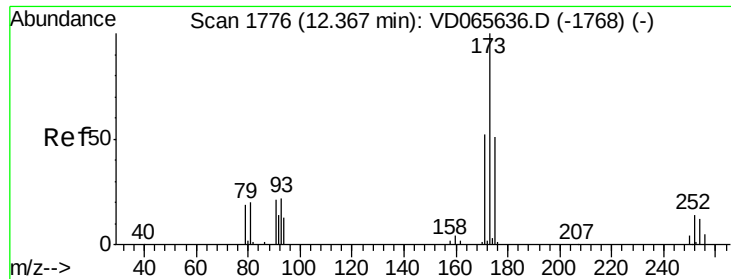
MMDadoda
4/20/2020 4:28:26 PM



#70
Styrene
Concen: 18.718 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065657.D
Acq: 17 Apr 2020 21:13

Tgt Ion:104 Resp: 113309
Ion Ratio Lower Upper
104 100
78 48.0 37.5 56.3
103 53.8 43.4 65.0





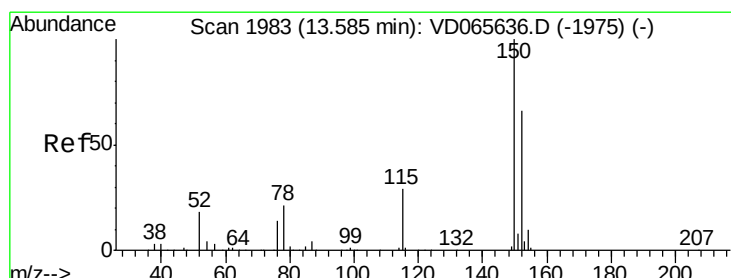
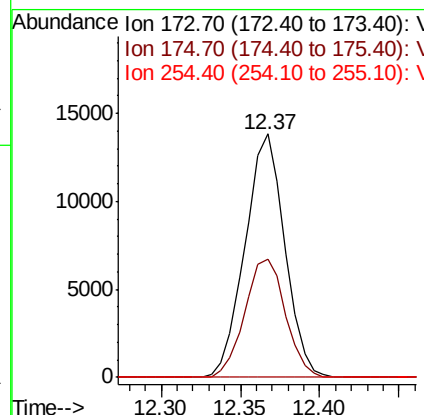
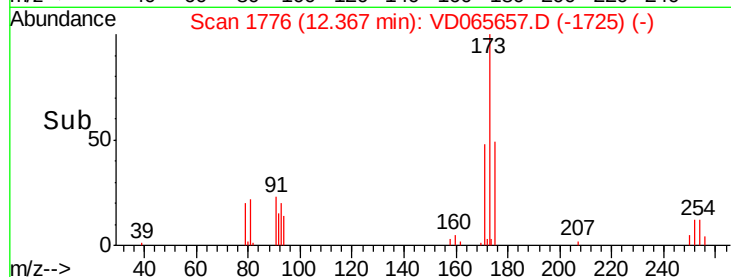
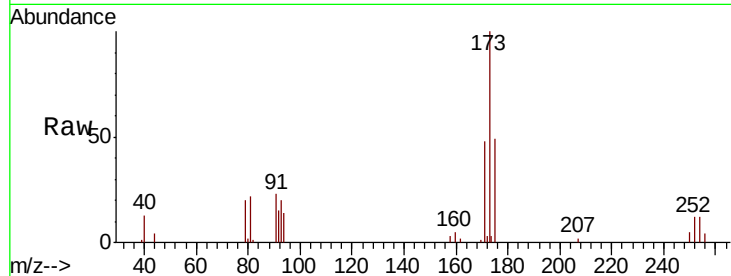
#71
Bromoform
Concen: 18.939 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD065657.D
Acq: 17 Apr 2020 21:13

Instrument :
MSVOA_D
ClientSampleId :
VD0417SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.8	25.1	75.2
254	0.0	0.0	0.0

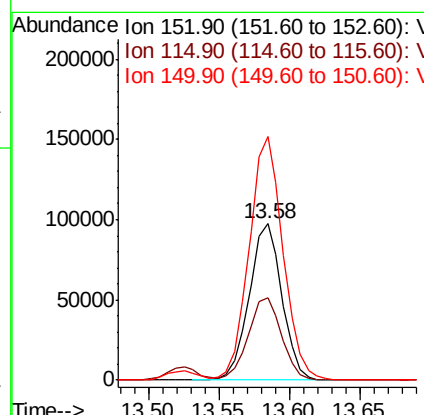
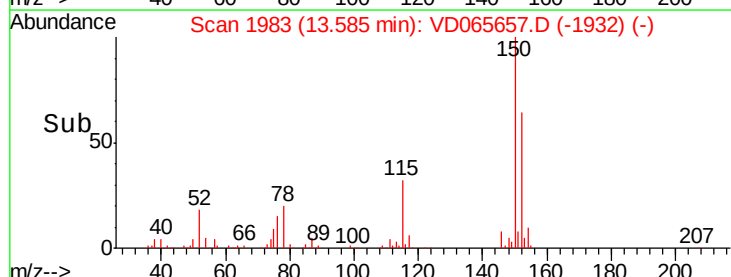
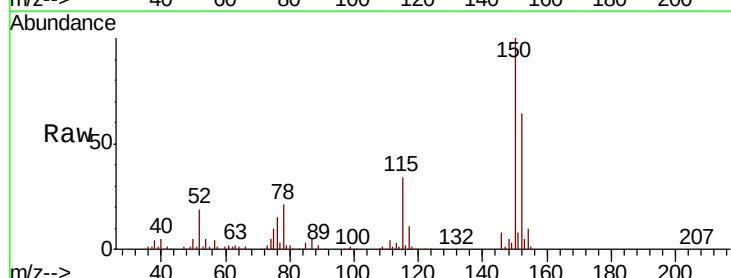
Manual Integrations
APPROVED

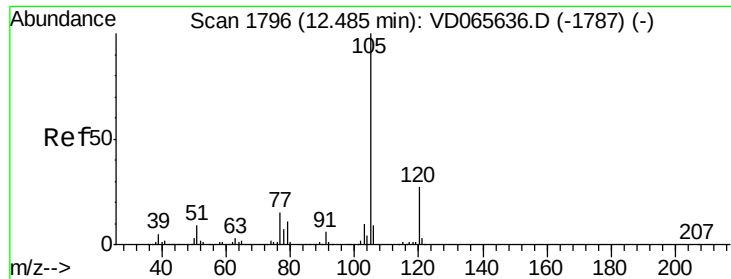
MMDadoda
4/20/2020 4:28:26 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065657.D
Acq: 17 Apr 2020 21:13

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.9	27.6	82.7
150	161.9	0.0	346.0





#73

Isopropylbenzene

Concen: 16.556 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065657.D

Acq: 17 Apr 2020 21:13

Instrument :

MSVOA_D

ClientSampleId :

VD0417SBS01

Tot Ion:105 Resp: 157434

Ion Ratio Lower Upper

105 100

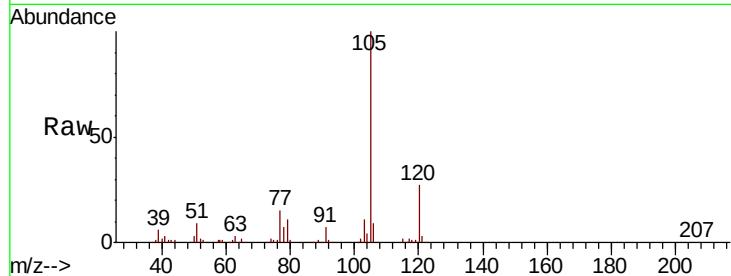
120 27.1 13.4 40.2

Manual Integrations

APPROVED

MMDadoda

4/20/2020 4:28:26 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

100000

80000

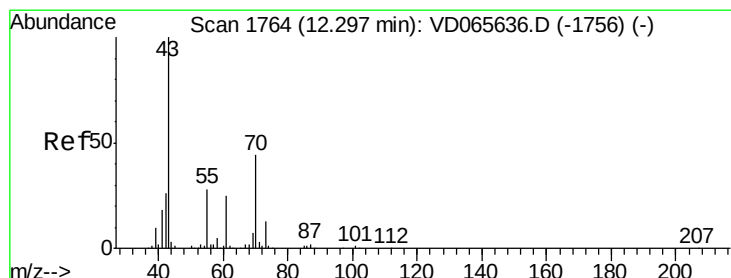
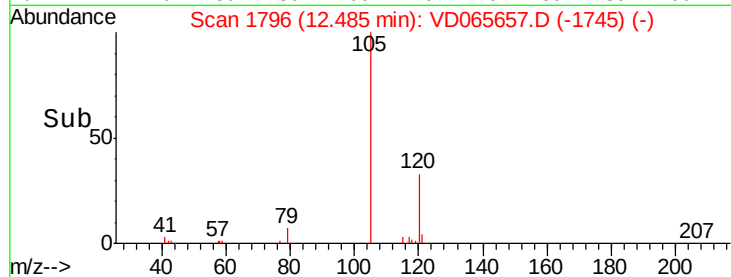
60000

40000

20000

0

Time--> 12.40 12.45 12.50 12.55



#74

N-ethyl acetate

Concen: 18.264 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065657.D

Acq: 17 Apr 2020 21:13

Tgt Ion: 43 Resp: 36485

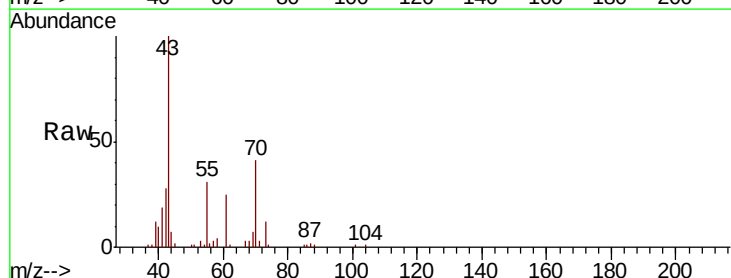
Ion Ratio Lower Upper

43 100

70 41.1 35.4 53.0

55 30.5 22.2 33.2

61 23.8 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

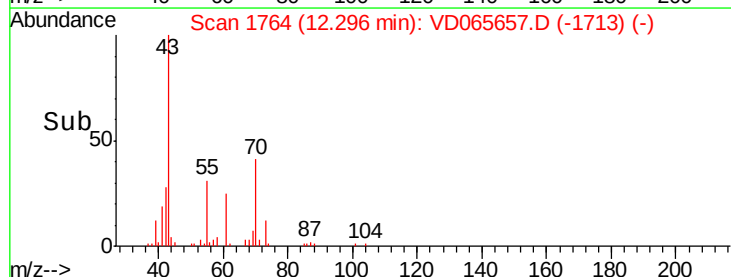
30000

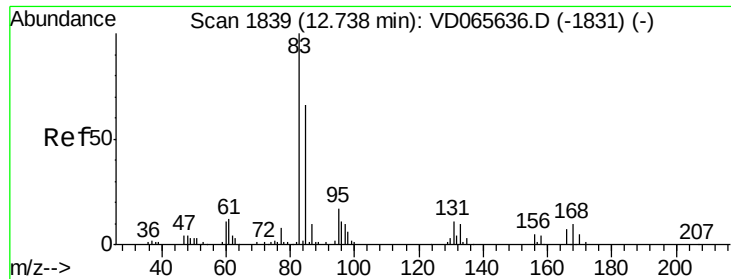
20000

10000

0

Time--> 12.25 12.30 12.35





#75

1,1,2,2-Tetrachloroethane

Concen: 19.861 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065657.D

Acq: 17 Apr 2020 21:13

Instrument :

MSVOA_D

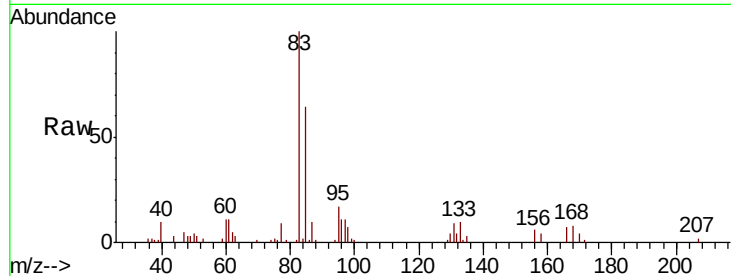
ClientSampleId :

VD0417SBS01

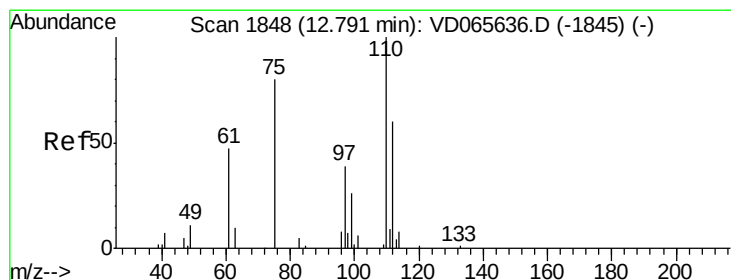
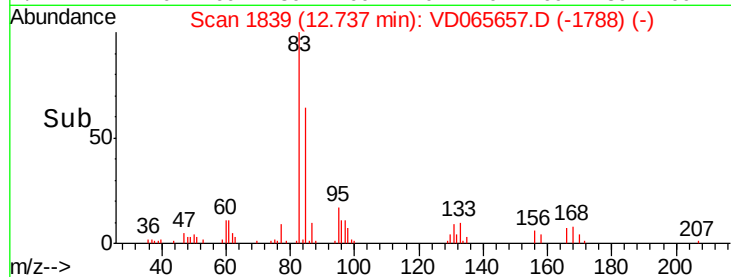
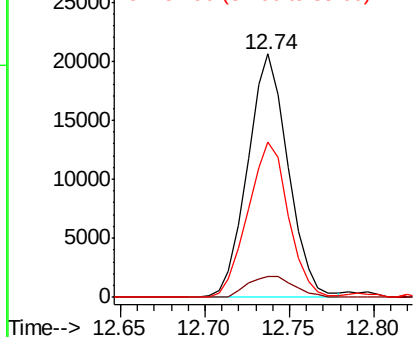
Tot Ion:	83	Resp:	34293
Ion Ratio	Lower	Upper	
83	100		
131	9.7	5.7	17.0
85	63.6	32.5	97.4

Manual Integrations
APPROVED

MMDadoda
4/20/2020 4:28:26 PM



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 130.80 (130.50 to 131.50): VDC
Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 21.097 ug/l m

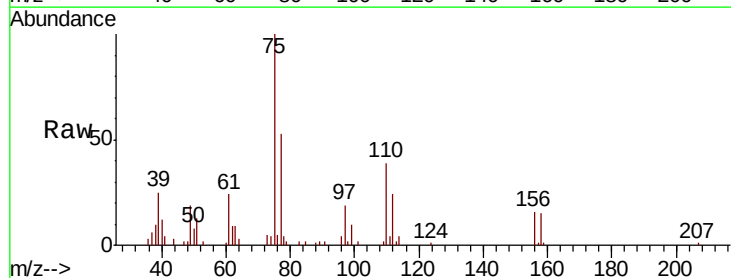
RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

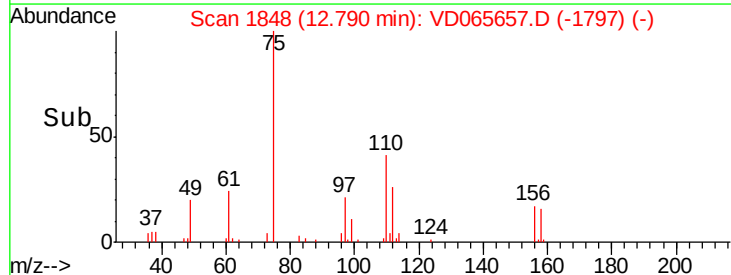
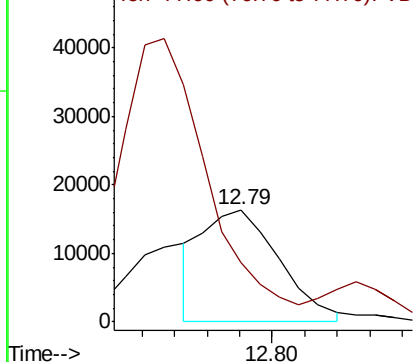
Lab File: VD065657.D

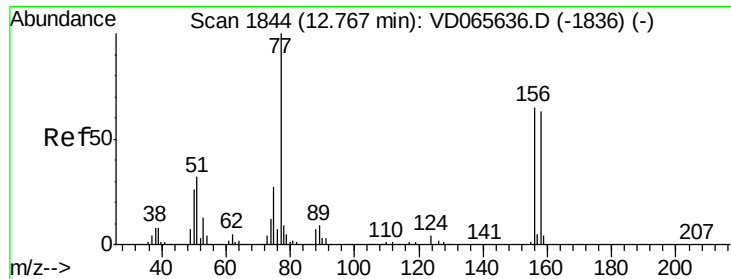
Acq: 17 Apr 2020 21:13

Tgt Ion:	75	Resp:	26744
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 19.013 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065657.D

Acq: 17 Apr 2020 21:13

Instrument :

MSVOA_D

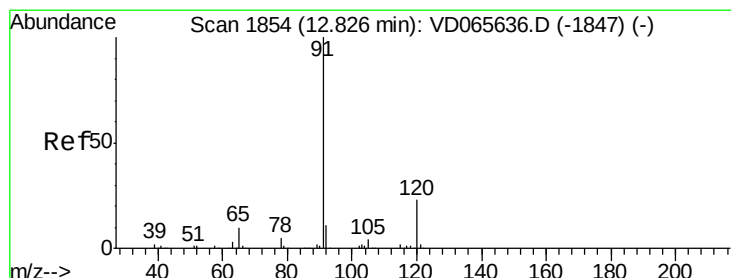
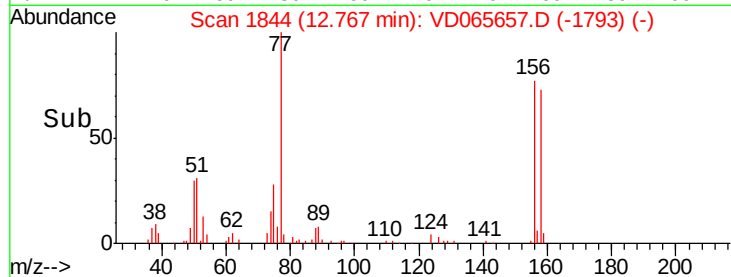
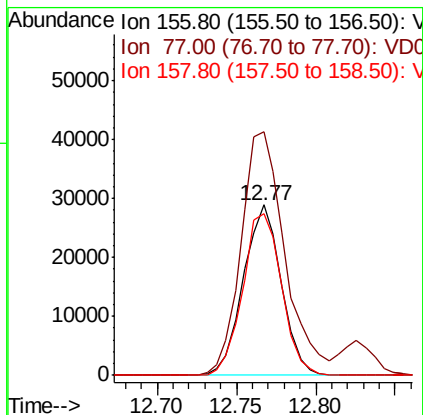
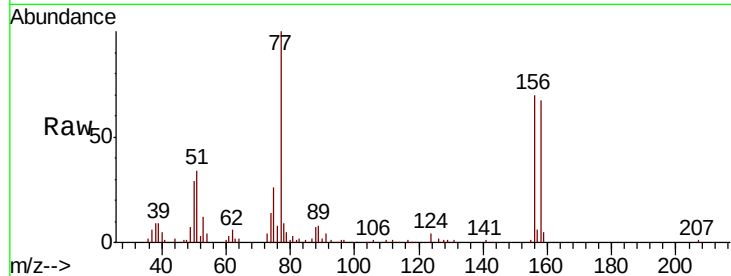
ClientSampleId :

VD0417SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	165.2	84.7	254.1
158	97.0	48.5	145.5

Manual Integrations
APPROVED

MMDadoda
4/20/2020 4:28:26 PM



#78

n-propylbenzene

Concen: 17.960 ug/l

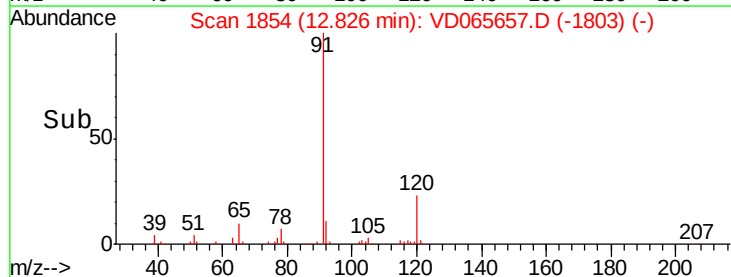
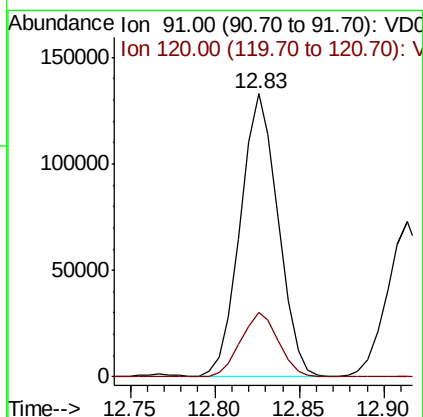
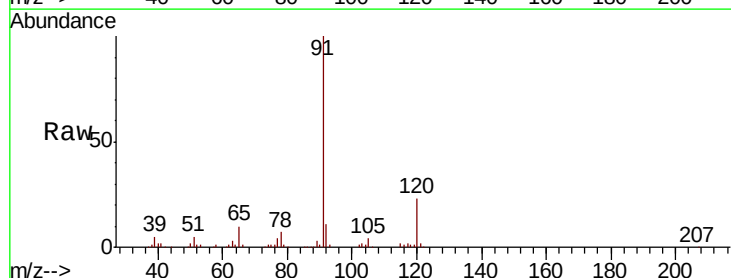
RT: 12.83 min Scan# 1854

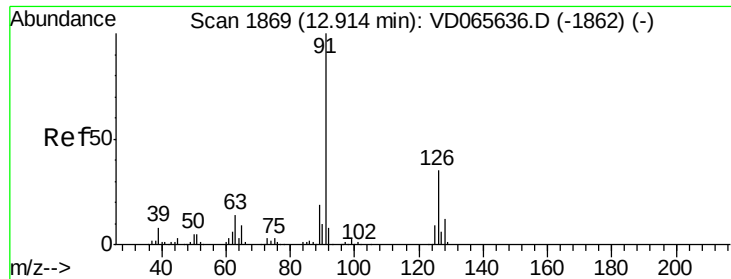
Delta R.T. -0.00 min

Lab File: VD065657.D

Acq: 17 Apr 2020 21:13

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.8	11.7	35.1





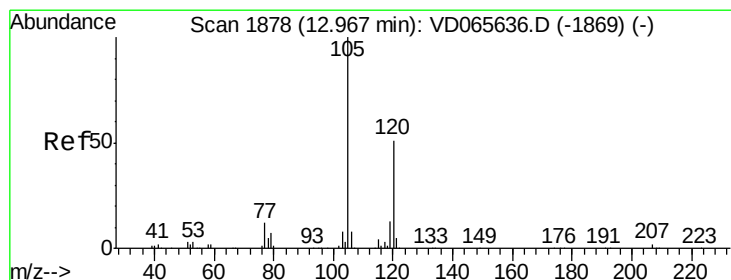
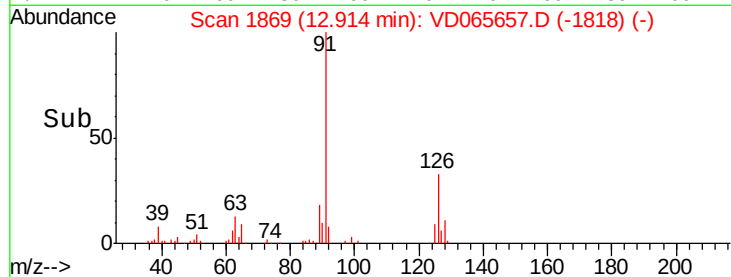
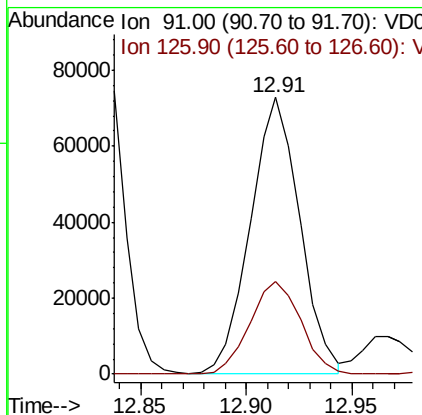
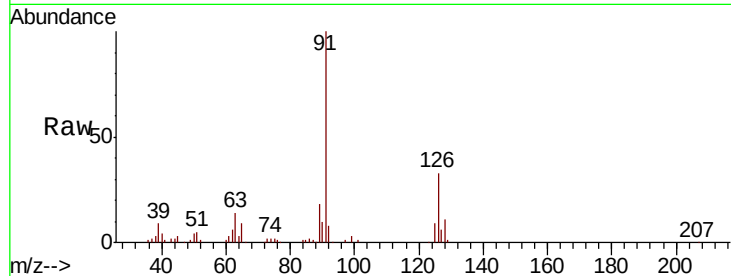
#79
2-Chlorotoluene
Concen: 18.113 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. -0.00 min
Lab File: VD065657.D
Acq: 17 Apr 2020 21:13

Instrument :
MSVOA_D
ClientSampleId :
VD0417SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
126	34.6	17.8	53.3

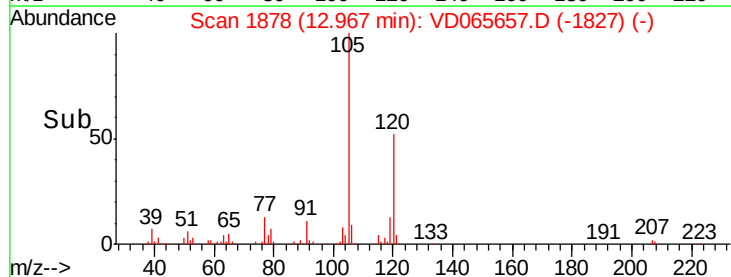
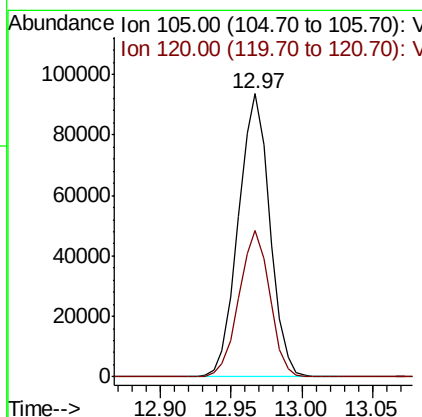
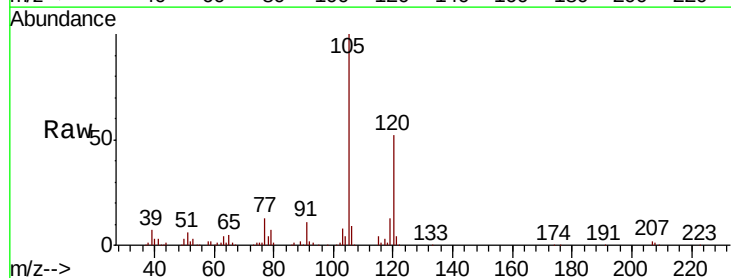
Manual Integrations
APPROVED

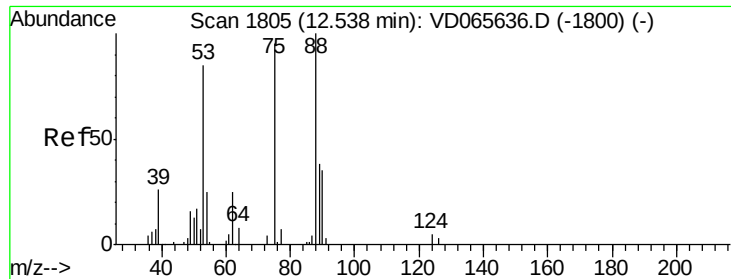
MMDadoda
4/20/2020 4:28:26 PM



#80
1,3,5-Trimethylbenzene
Concen: 18.185 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. -0.00 min
Lab File: VD065657.D
Acq: 17 Apr 2020 21:13

Tgt Ion	Ratio	Lower	Upper
105	100		
120	50.6	25.2	75.6





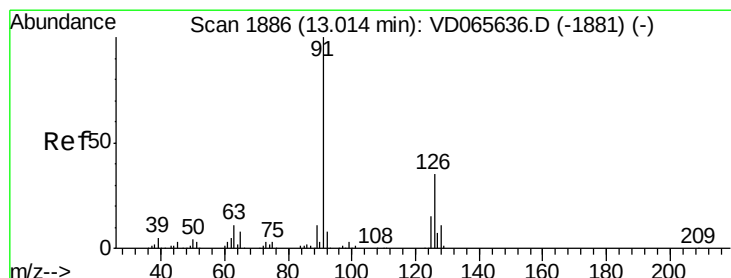
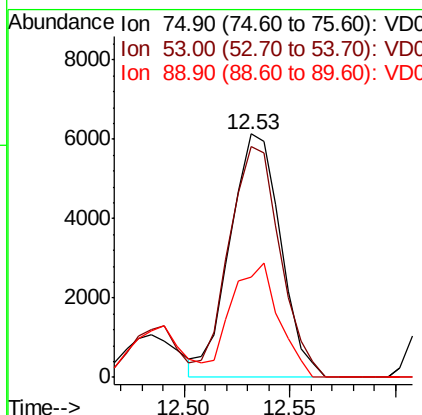
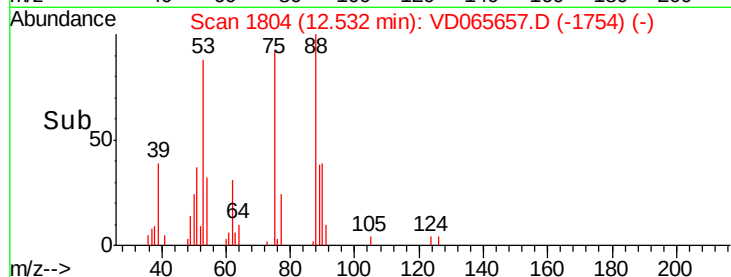
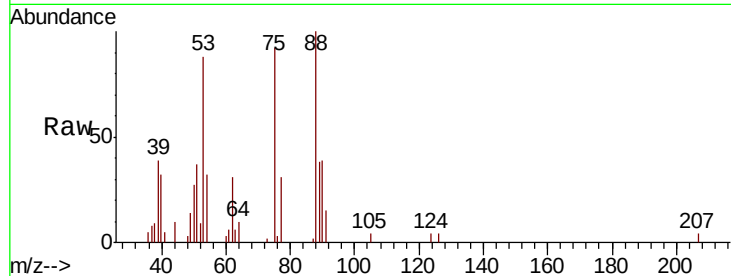
#81
trans-1,4-Dichloro-2-butene
Concen: 17.584 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.01 min
Lab File: VD065657.D
Acq: 17 Apr 2020 21:13

Instrument :
MSVOA_D
ClientSampleId :
VD0417SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	96.6	76.8	115.2
89	44.2	36.1	54.1

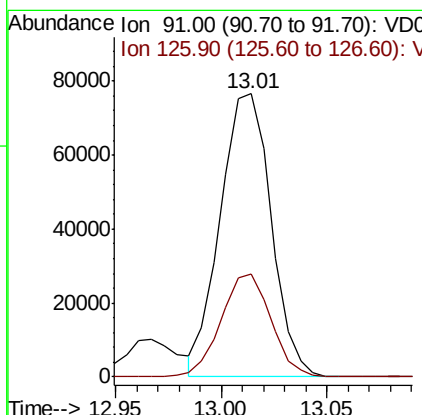
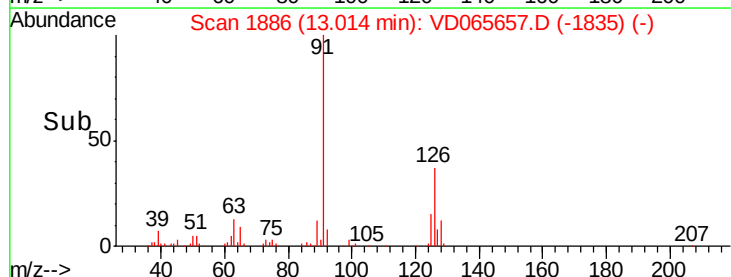
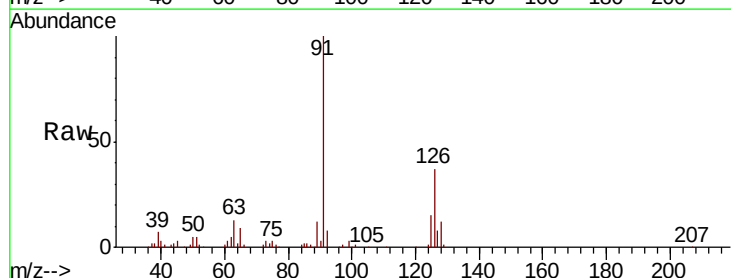
Manual Integrations
APPROVED

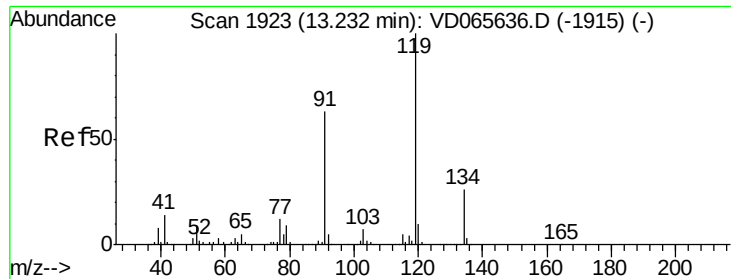
MMDadoda
4/20/2020 4:28:26 PM



#82
4-Chlorotoluene
Concen: 18.207 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VD065657.D
Acq: 17 Apr 2020 21:13

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.8	17.5	52.6





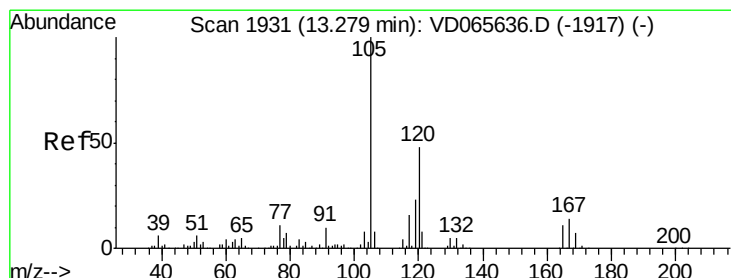
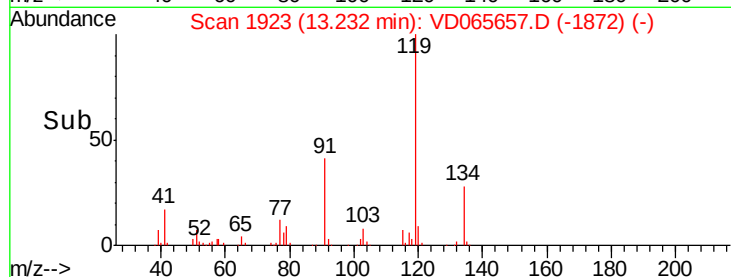
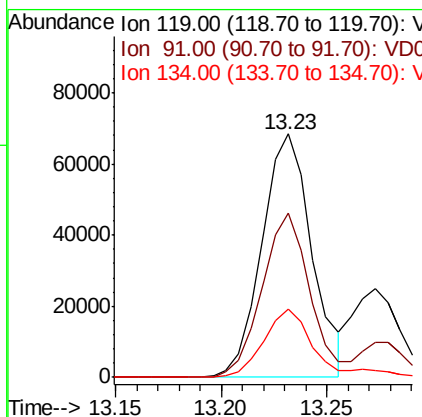
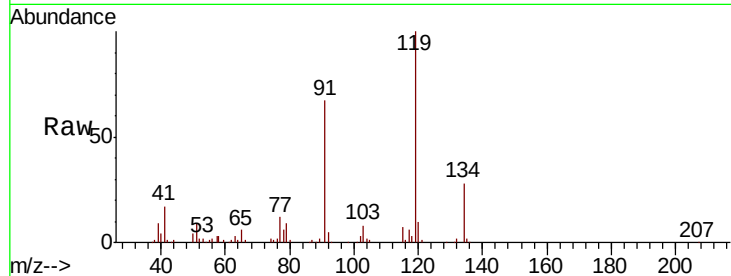
#83
 tert-Butylbenzene
 Concen: 16.749 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VD065657.D
 Acq: 17 Apr 2020 21:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0417SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	112693		
91	63.9		31.7	95.1
134	28.8		14.0	41.9

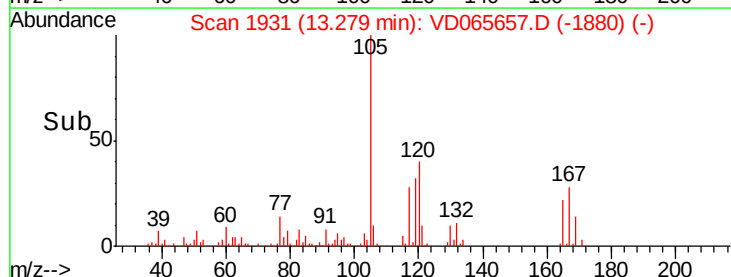
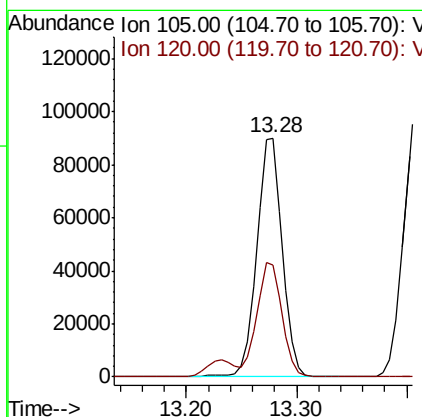
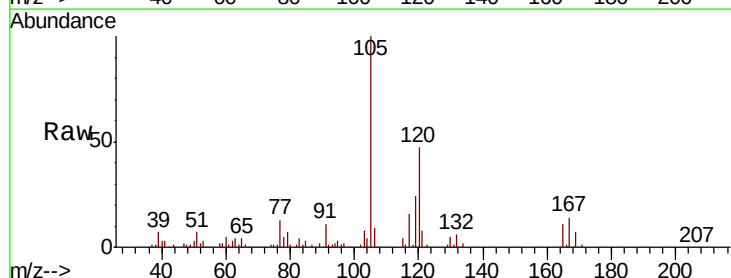
Manual Integrations
 APPROVED

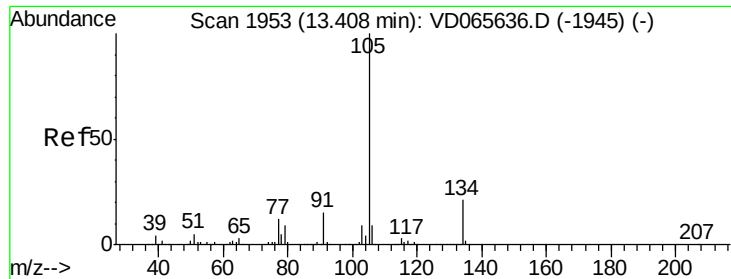
MMDadoda
 4/20/2020 4:28:26 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 18.170 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. -0.00 min
 Lab File: VD065657.D
 Acq: 17 Apr 2020 21:13

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	145363		
120	47.0		23.5	70.6





#85

sec-Butylbenzene

Concen: 17.238 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD065657.D

Acq: 17 Apr 2020 21:13

Instrument :

MSVOA_D

ClientSampleId :

VD0417SBS01

Tot Ion:105 Resp: 165941

Ion Ratio Lower Upper

105 100

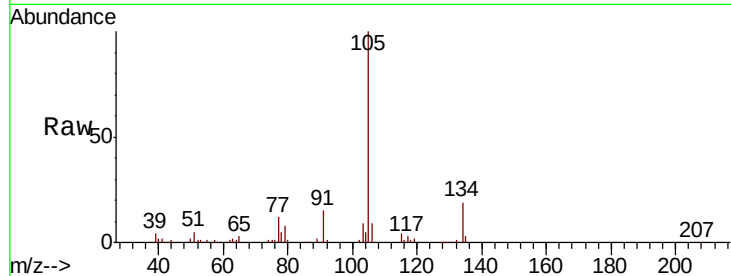
134 20.6 10.4 31.4

Manual Integrations

APPROVED

MMDadoda

4/20/2020 4:28:26 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

120000

100000

80000

60000

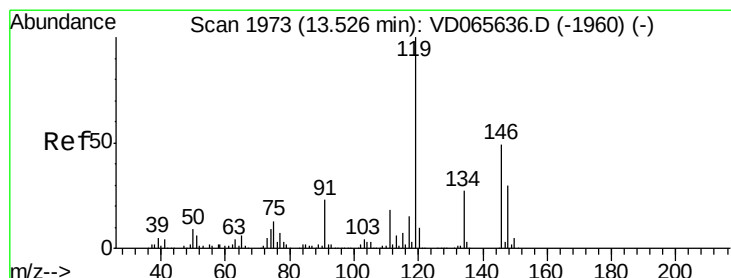
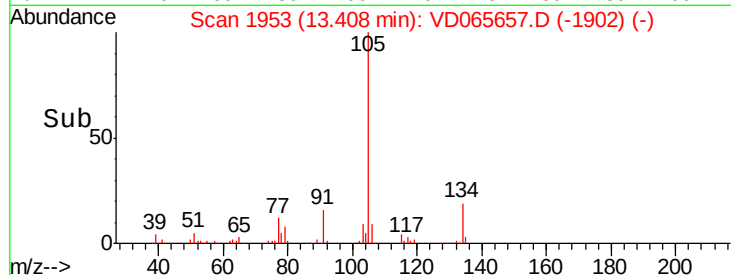
40000

20000

0

13.35 13.40 13.45

Time-->



#86

p-Isopropyltoluene

Concen: 17.111 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065657.D

Acq: 17 Apr 2020 21:13

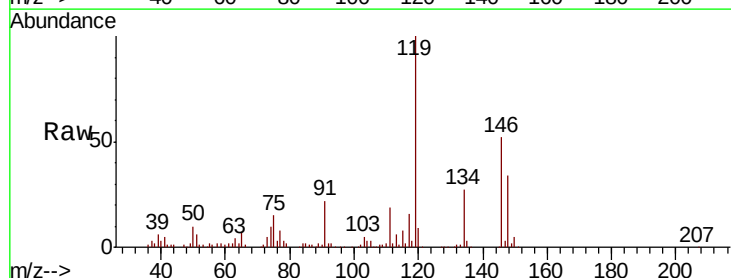
Tgt Ion:119 Resp: 154581

Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.1

91 22.7 11.1 33.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

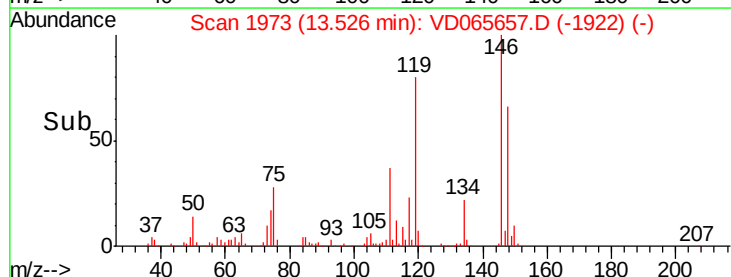
100000

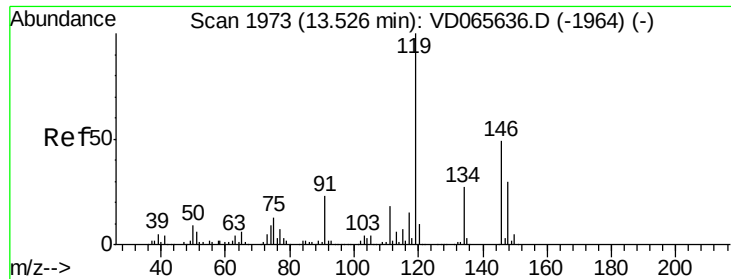
50000

0

13.45 13.50 13.55 13.60

Time-->





#87

1,3-Dichlorobenzene

Concen: 17.892 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065657.D

Acq: 17 Apr 2020 21:13

Instrument :

MSVOA_D

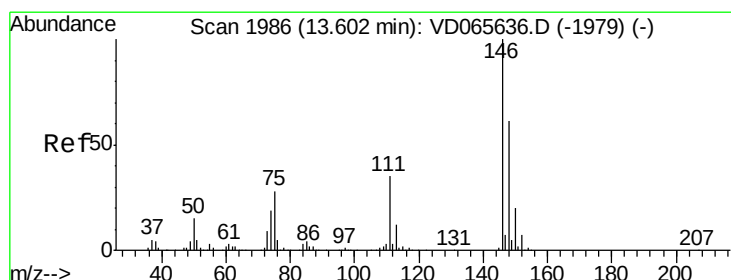
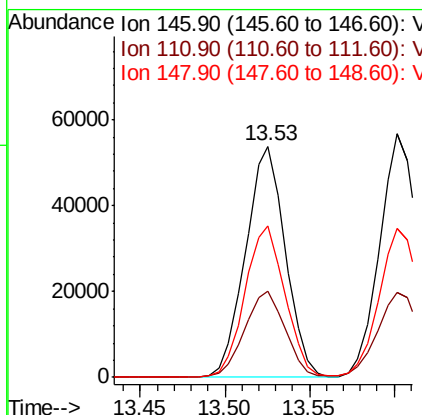
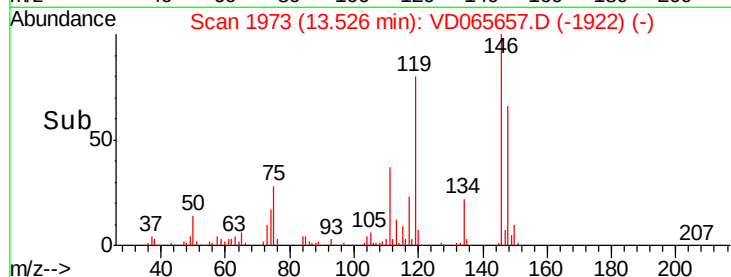
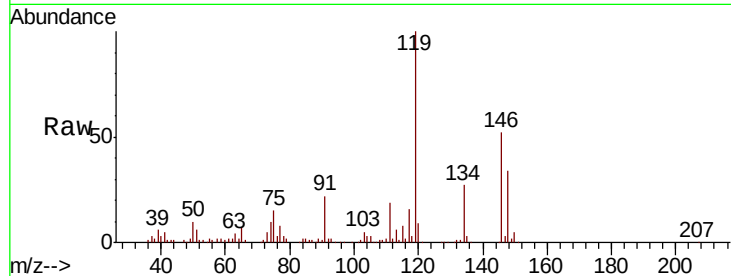
ClientSampleId :

VD0417SBS01

Tot Ion:	146	Resp:	88464
Ion Ratio	Lower	Upper	
146	100		
111	37.8	18.6	55.6
148	65.7	31.6	94.8

Manual Integrations
APPROVED

MMDadoda
4/20/2020 4:28:26 PM



#88

1,4-Dichlorobenzene

Concen: 18.484 ug/l

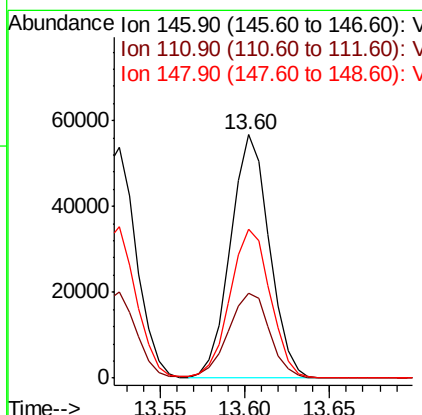
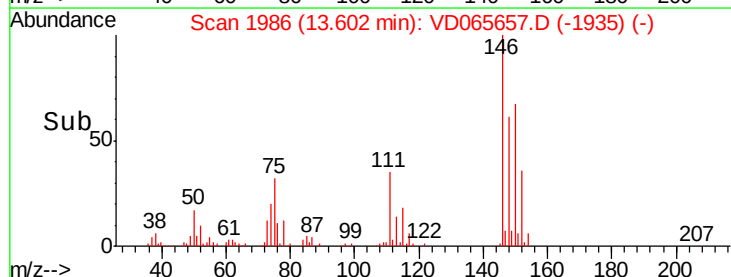
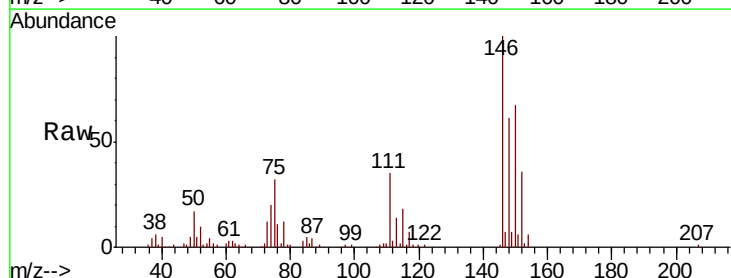
RT: 13.60 min Scan# 1986

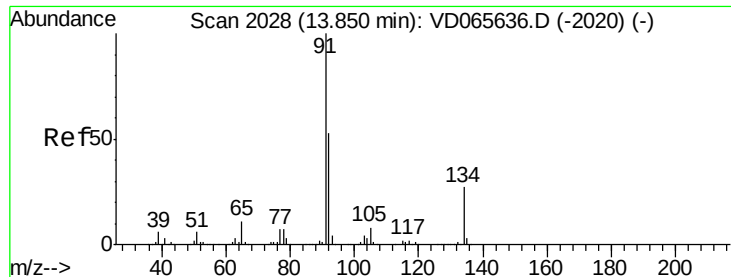
Delta R.T. -0.00 min

Lab File: VD065657.D

Acq: 17 Apr 2020 21:13

Tgt Ion:	146	Resp:	90961
Ion Ratio	Lower	Upper	
146	100		
111	37.3	18.0	54.0
148	63.5	31.4	94.2





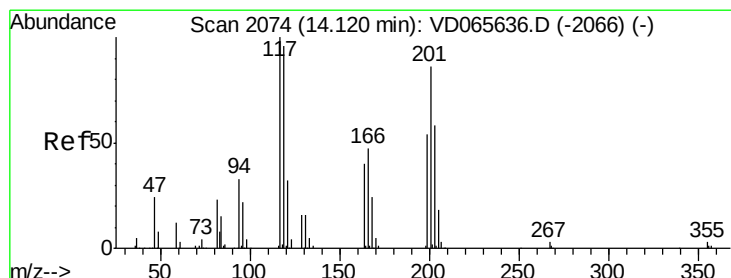
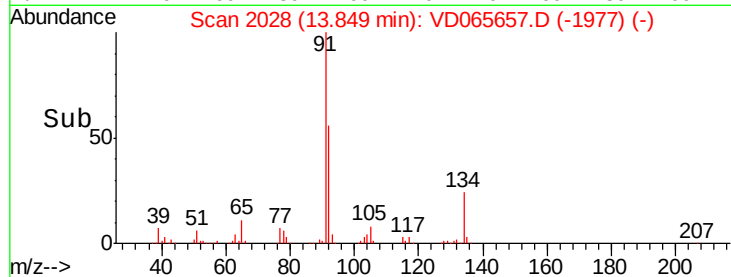
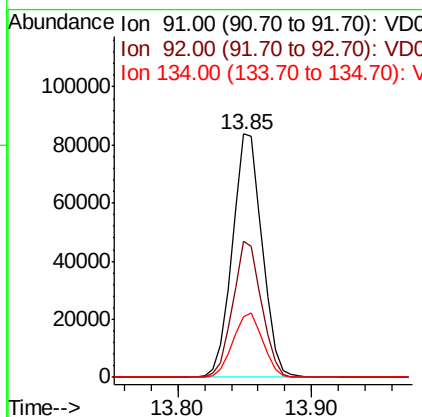
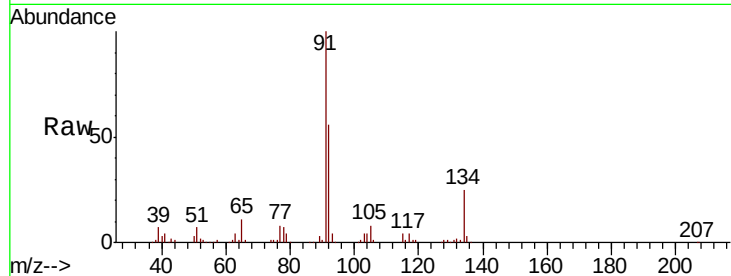
#89
n-Butylbenzene
Concen: 15.891 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD065657.D
Acq: 17 Apr 2020 21:13

Instrument :
MSVOA_D
ClientSampleId :
VD0417SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.8	26.9	80.6
134	26.4	13.6	40.8

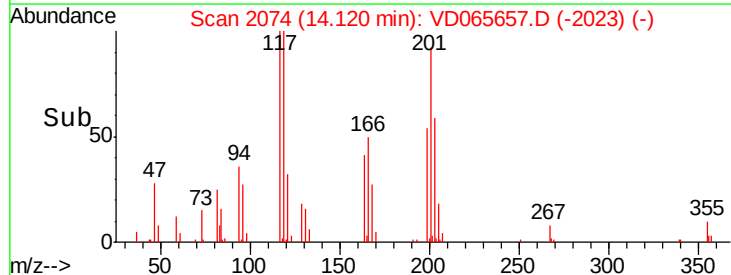
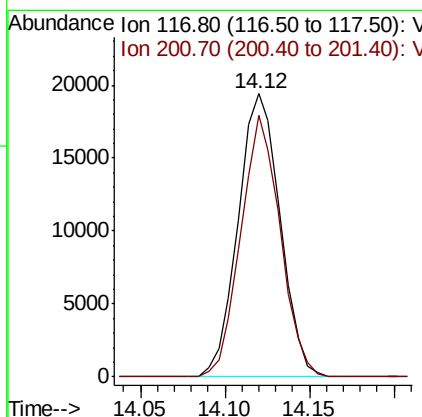
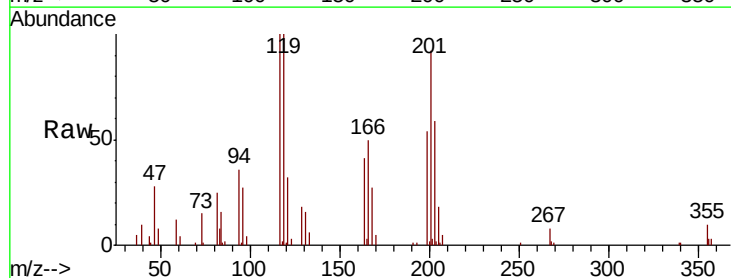
Manual Integrations
APPROVED

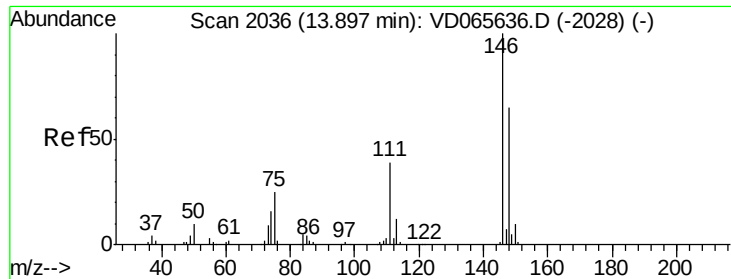
MMDadoda
4/20/2020 4:28:26 PM



#90
Hexachloroethane
Concen: 17.732 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065657.D
Acq: 17 Apr 2020 21:13

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.7	44.9	134.7





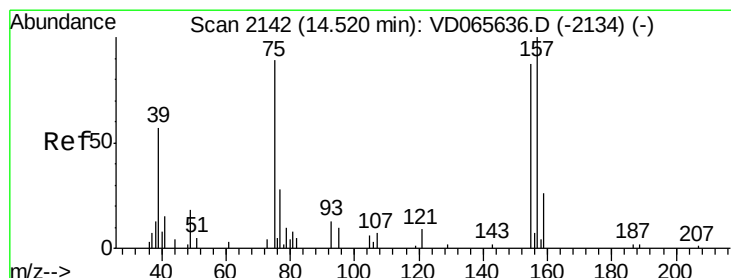
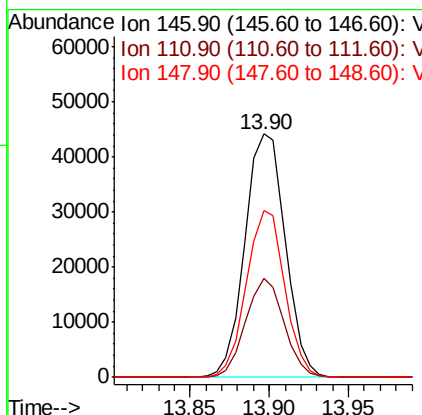
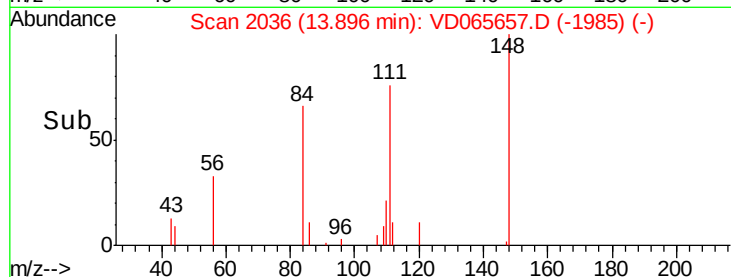
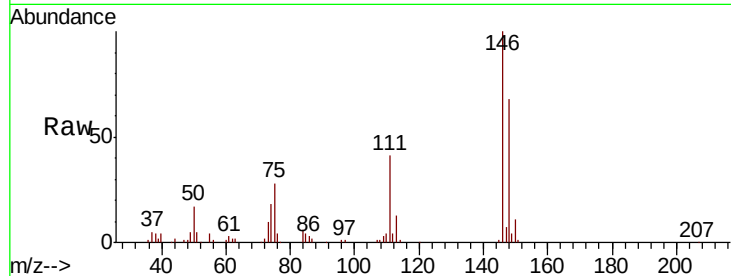
#91
 1,2-Dichlorobenzene
 Concen: 18.512 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD065657.D
 Acq: 17 Apr 2020 21:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0417SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.3	57.9
148	64.9	32.0	96.0

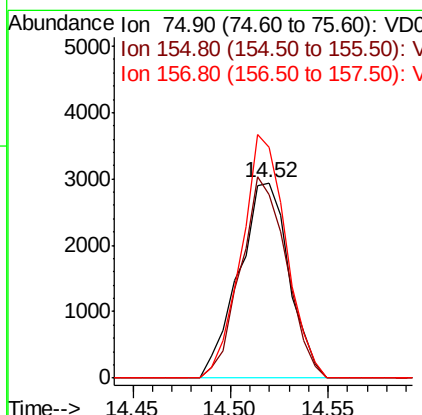
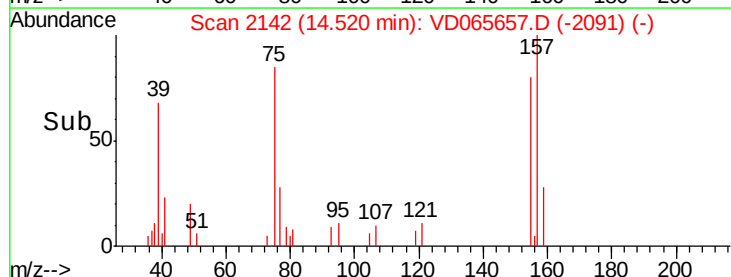
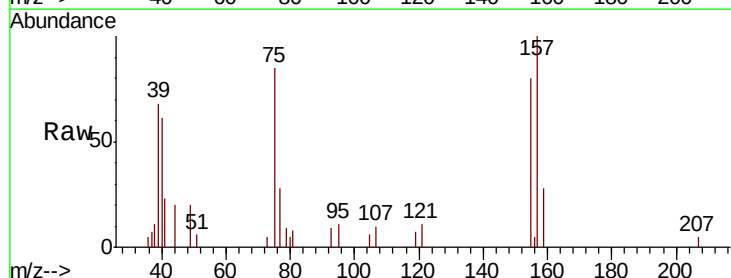
Manual Integrations
 APPROVED

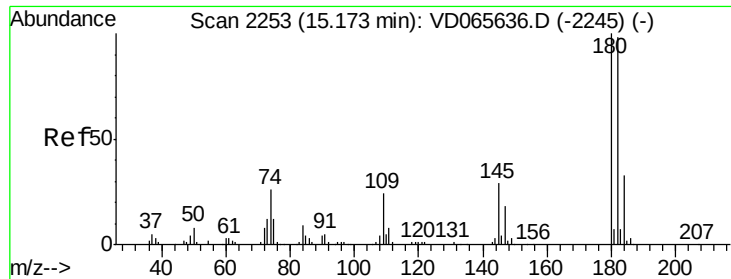
MMDadoda
 4/20/2020 4:28:26 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.025 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VD065657.D
 Acq: 17 Apr 2020 21:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.1	48.0	144.2
157	110.9	59.2	177.6





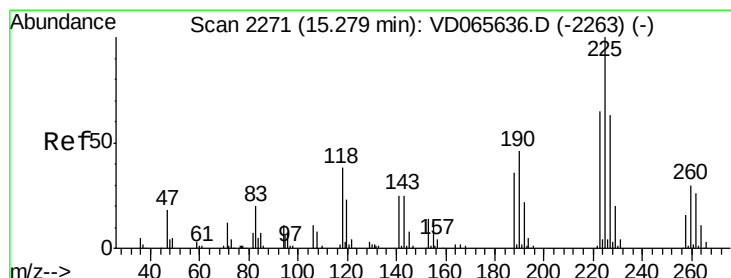
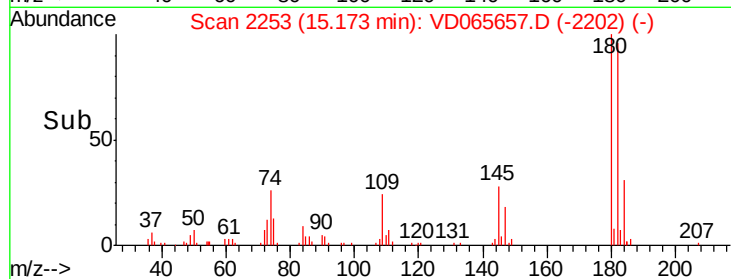
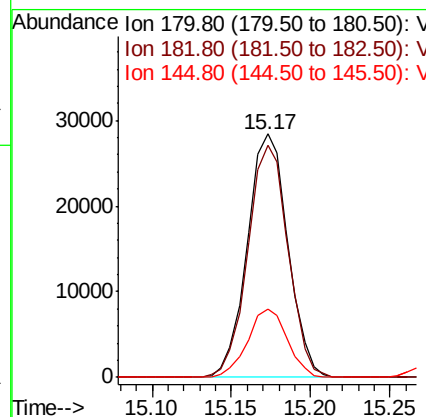
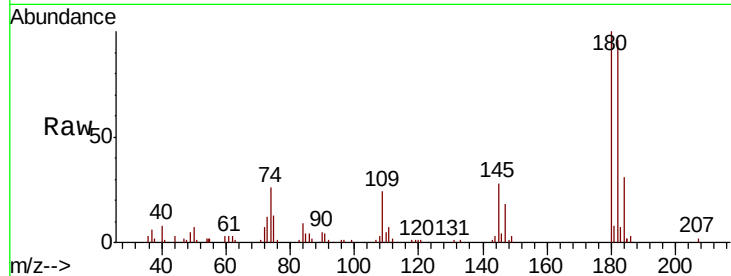
#93
 1,2,4-Trichlorobenzene
 Concen: 17.356 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VD065657.D
 Acq: 17 Apr 2020 21:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0417SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	50608		
182	94.4	48.9	146.6	
145	27.4	13.8	41.3	

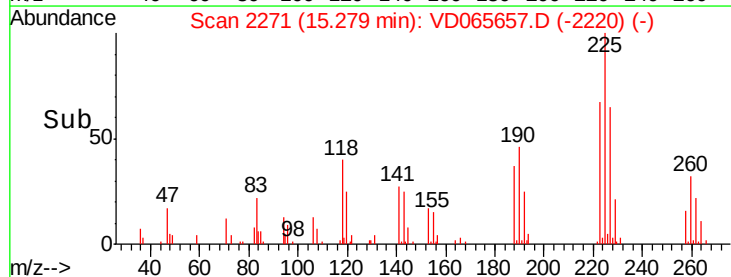
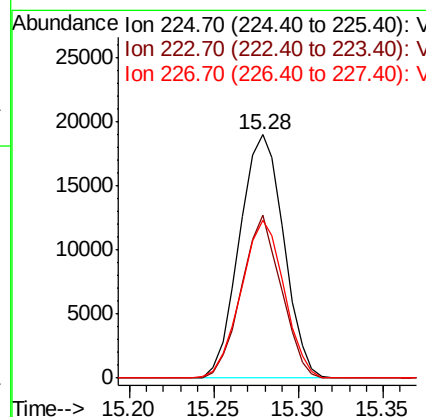
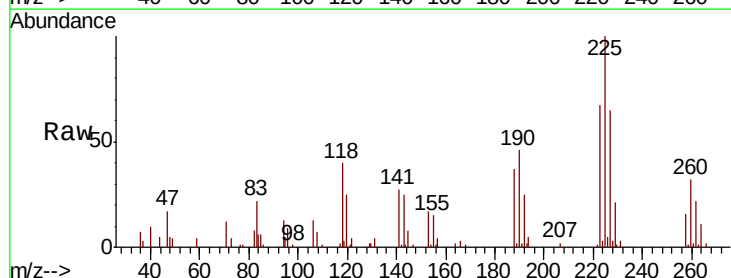
Manual Integrations
 APPROVED

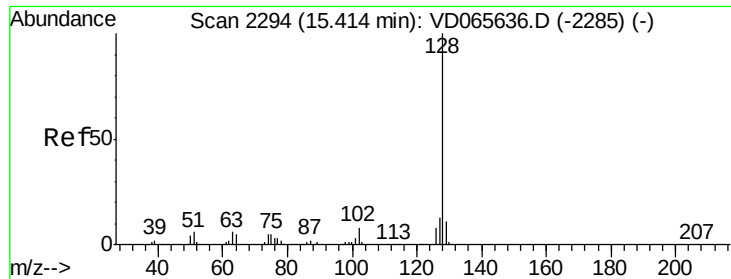
MMDadoda
 4/20/2020 4:28:26 PM



#94
 Hexachlorobutadiene
 Concen: 17.281 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD065657.D
 Acq: 17 Apr 2020 21:13

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	34550		
223	60.1	31.9	95.5	
227	63.0	32.0	96.2	





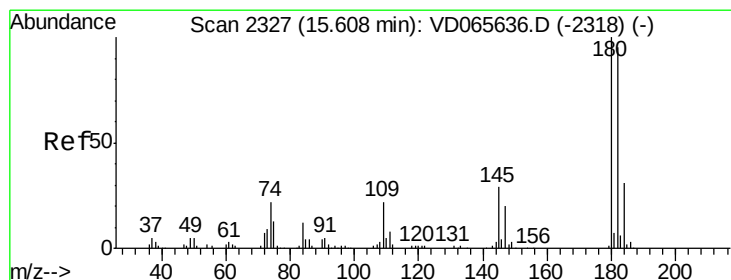
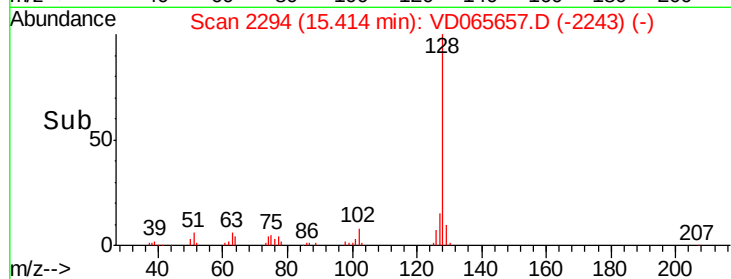
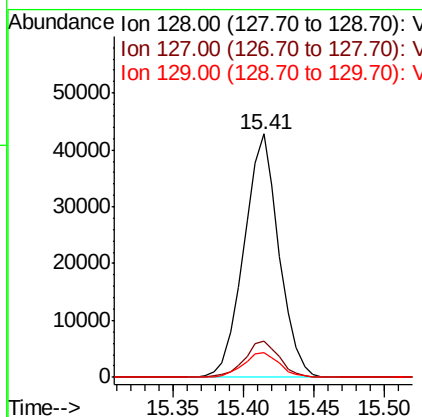
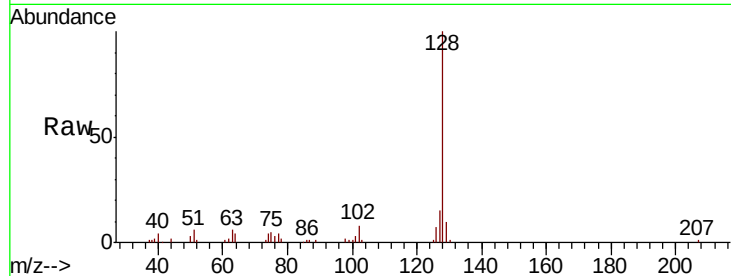
#95
Naphthalene
Concen: 17.694 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD065657.D
Acq: 17 Apr 2020 21:13

Instrument :
MSVOA_D
ClientSampleId :
VD0417SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.8	10.6	16.0
129	10.7	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
4/20/2020 4:28:26 PM



#96
1,2,3-Trichlorobenzene
Concen: 17.958 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065657.D
Acq: 17 Apr 2020 21:13

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.6	47.8	143.3
145	29.9	15.0	45.0

