

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031220\
 Data File : VD065485.D
 Acq On : 12 Mar 2020 11:51
 Operator : VA/SY
 Sample : VD0312SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0312SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/16/2020 12:07:00 PM

Quant Time: Mar 13 05:07:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 01:22:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	457092	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	667834	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	609832	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	306185	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	190073	48.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.96%	
35) Dibromofluoromethane	7.92	113	201292	48.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.48%	
50) Toluene-d8	10.34	98	781934	49.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.70%	
62) 4-Bromofluorobenzene	12.64	95	250684	51.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	82987	21.125	ug/l	98
3) Chloromethane	2.21	50	98386	20.744	ug/l	99
4) Vinyl Chloride	2.36	62	96411	20.609	ug/l	97
5) Bromomethane	2.77	94	63919	21.674	ug/l	95
6) Chloroethane	2.93	64	60976	21.282	ug/l	96
7) Trichlorofluoromethane	3.27	101	145260	21.073	ug/l	98
8) Diethyl Ether	3.71	74	42420	20.694	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.10	101	93724	21.112	ug/l	99
10) Methyl Iodide	4.30	142	88829	19.260	ug/l	98
11) Tert butyl alcohol	5.26	59	20141m	89.554	ug/l	
12) 1,1-Dichloroethene	4.07	96	86313	20.304	ug/l	92
13) Acrolein	3.93	56	31010	79.949	ug/l	97
14) Allyl chloride	4.71	41	127427	19.513	ug/l	99
15) Acrylonitrile	5.44	53	90347	101.311	ug/l	99
16) Acetone	4.17	43	77563	97.813	ug/l	100
17) Carbon Disulfide	4.41	76	282125	19.929	ug/l	98
18) Methyl Acetate	4.73	43	40120	19.945	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	160919	19.684	ug/l	96
20) Methylene Chloride	4.97	84	101049	21.496	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	96881	20.487	ug/l	100
22) Diisopropyl ether	6.37	45	255869	21.077	ug/l	94
23) Vinyl Acetate	6.31	43	675465	100.211	ug/l	100
24) 1,1-Dichloroethane	6.27	63	161527	20.745	ug/l	97
25) 2-Butanone	7.23	43	106127	98.072	ug/l	98
26) 2,2-Dichloropropane	7.21	77	141283	20.763	ug/l	100
27) cis-1,2-Dichloroethene	7.22	96	99959	20.680	ug/l	99
28) Bromochloromethane	7.56	49	64918	20.839	ug/l	100
29) Tetrahydrofuran	7.57	42	66943	96.870	ug/l	99
30) Chloroform	7.72	83	166384	21.379	ug/l	96
31) Cyclohexane	7.99	56	153264	19.685	ug/l	99
32) 1,1,1-Trichloroethane	7.91	97	148497	20.647	ug/l	98
36) 1,1-Dichloropropene	8.11	75	135212	21.122	ug/l	99
37) Ethyl Acetate	7.30	43	49612	20.051	ug/l	99
38) Carbon Tetrachloride	8.10	117	137999	20.788	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031220\
 Data File : VD065485.D
 Acq On : 12 Mar 2020 11:51
 Operator : VA/SY
 Sample : VD0312SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0312SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/16/2020 12:07:00 PM

Quant Time: Mar 13 05:07:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 01:22:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	151904	19.647	ug/l	93
40) Benzene	8.36	78	387143	21.630	ug/l	99
41) Methacrylonitrile	7.54	41	24738	18.905	ug/l	91
42) 1,2-Dichloroethane	8.43	62	99305	21.247	ug/l	100
43) Isopropyl Acetate	8.46	43	88746	19.425	ug/l	97
44) Trichloroethene	9.11	130	106189	21.008	ug/l	90
45) 1,2-Dichloropropane	9.39	63	92617	21.362	ug/l	99
46) Dibromomethane	9.48	93	47901	21.300	ug/l	97
47) Bromodichloromethane	9.67	83	124300	21.245	ug/l	98
48) Methyl methacrylate	9.46	41	40739m	18.957	ug/l	
49) 1,4-Dioxane	9.47	88	10079	391.808	ug/l	99
51) 4-Methyl-2-Pentanone	10.24	43	236671	102.943	ug/l	98
52) Toluene	10.41	92	240763	21.353	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	111918	20.470	ug/l	97
54) cis-1,3-Dichloropropene	10.10	75	137492	20.775	ug/l	96
55) 1,1,2-Trichloroethane	10.81	97	68917	21.636	ug/l	98
56) Ethyl methacrylate	10.67	69	70519	19.638	ug/l	98
57) 1,3-Dichloropropane	10.95	76	113162	20.997	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	112400	101.459	ug/l	99
59) 2-Hexanone	10.99	43	156734	98.482	ug/l	97
60) Dibromochloromethane	11.15	129	87709	21.482	ug/l	100
61) 1,2-Dibromoethane	11.26	107	63886	21.027	ug/l	99
64) Tetrachloroethene	10.88	164	91976	21.048	ug/l	97
65) Chlorobenzene	11.68	112	256186	21.229	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.75	131	95778	21.792	ug/l	97
67) Ethyl Benzene	11.75	91	427397	20.497	ug/l	100
68) m/p-Xylenes	11.86	106	341453	42.468	ug/l	99
69) o-Xylene	12.19	106	145747	20.608	ug/l	98
70) Styrene	12.20	104	261863	21.038	ug/l	100
71) Bromoform	12.37	173	52613	21.311	ug/l #	97
73) Isopropylbenzene	12.49	105	399834	19.853	ug/l	100
74) N-amyl acetate	12.30	43	79135	19.194	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	70876	20.021	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	60369m	24.987	ug/l	
77) Bromobenzene	12.77	156	103966	20.778	ug/l	99
78) n-propylbenzene	12.83	91	490575	20.530	ug/l	100
79) 2-Chlorotoluene	12.91	91	275629	20.467	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	341699	20.638	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	21995	19.211	ug/l	98
82) 4-Chlorotoluene	13.01	91	300672	21.247	ug/l	100
83) tert-Butylbenzene	13.23	119	277391	19.804	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	341175	20.905	ug/l	100
85) sec-Butylbenzene	13.41	105	410092	20.511	ug/l	100
86) p-Isopropyltoluene	13.53	119	373250	20.458	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	200055	20.796	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	198677	20.762	ug/l	100
89) n-Butylbenzene	13.85	91	342255	20.291	ug/l	99
90) Hexachloroethane	14.12	117	76278	20.302	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	170435	20.819	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	10496	19.468	ug/l	94

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD031220\
Data File : VD065485.D
Acq On : 12 Mar 2020 11:51
Operator : VA/SY
Sample : VD0312SBS01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0312SBS01

Manual Integrations
APPROVED

MMDadoda
3/16/2020 12:07:00 PM

Quant Time: Mar 13 05:07:58 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 05 01:22:07 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	110346	19.888	ug/l	98
94) Hexachlorobutadiene	15.28	225	75315	20.658	ug/l	99
95) Naphthalene	15.41	128	162886	19.427	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	98160	20.473	ug/l	100

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

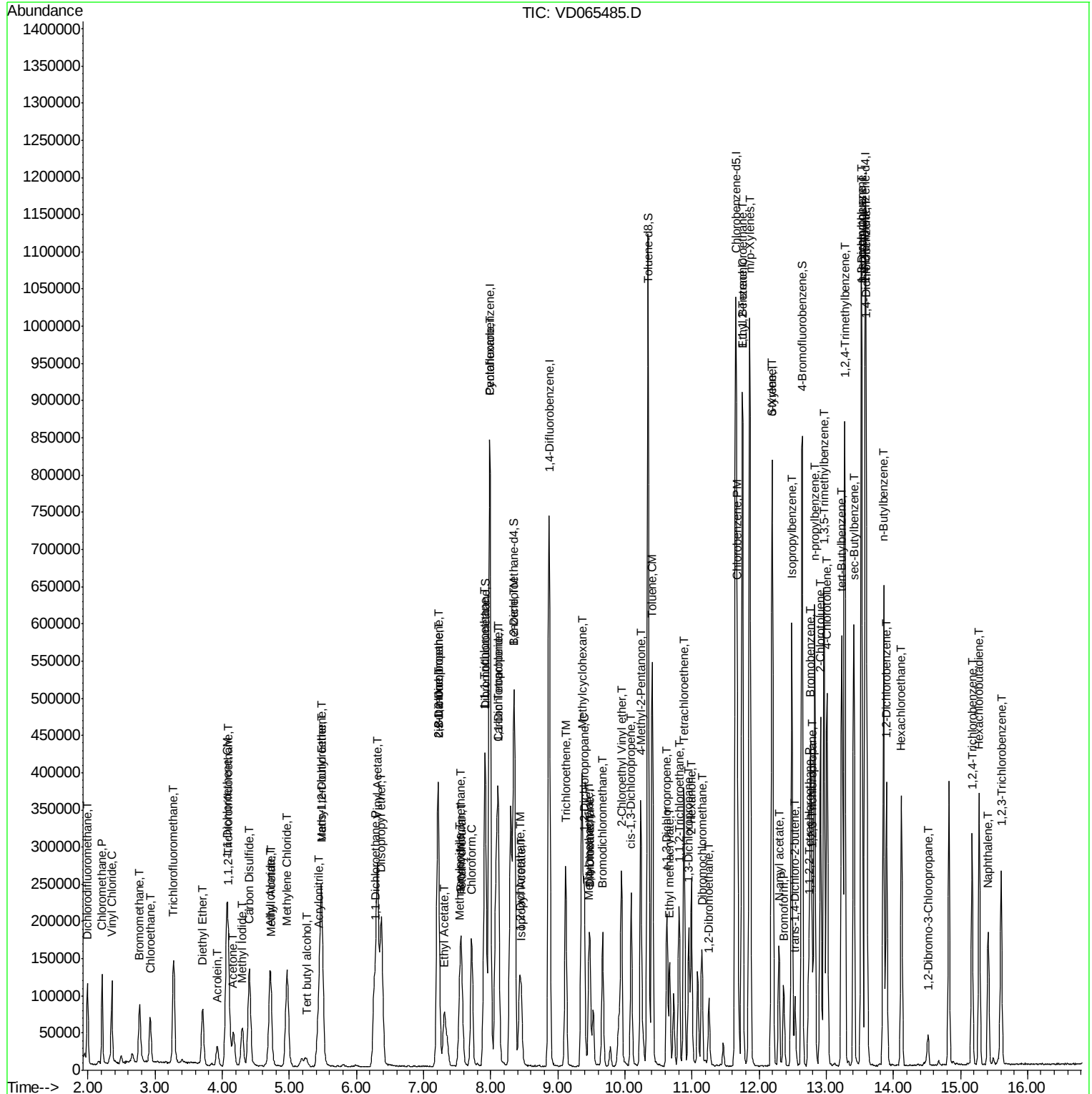
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD031220\
Data File : VD065485.D
Acq On : 12 Mar 2020 11:51
Operator : VA/SY
Sample : VD0312SBS01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 5 Sample Multiplier: 1

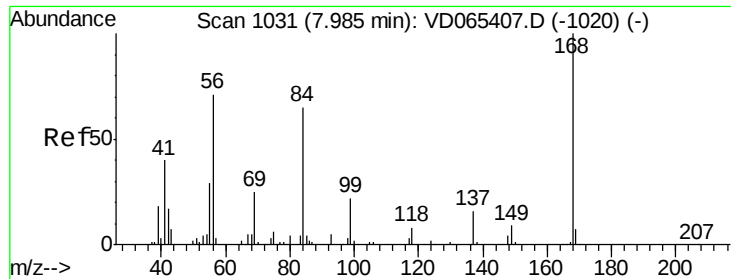
Instrument :
MSVOA_D
ClientSampleId :
VD0312SBS01

Manual Integrations
APPROVED

MMDadoda
3/16/2020 12:07:00 PM

Quant Time: Mar 13 05:07:58 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 05 01:22:07 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065485.D

Acq: 12 Mar 2020 11:51

Instrument :

MSVOA_D

ClientSampleId :

VD0312SBS01

Tot Ion:168 Resp: 457092

Ion Ratio Lower Upper

168 100

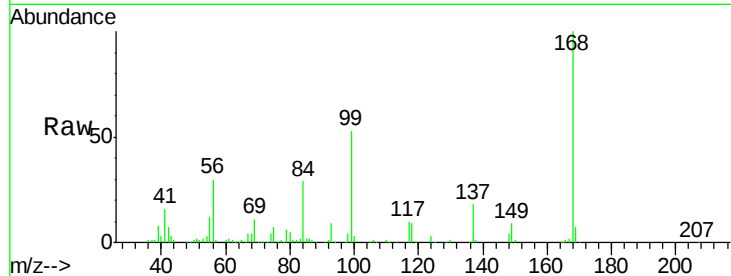
99 52.7 41.5 62.3

Manual Integrations

APPROVED

MMDadoda

3/16/2020 12:07:00 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

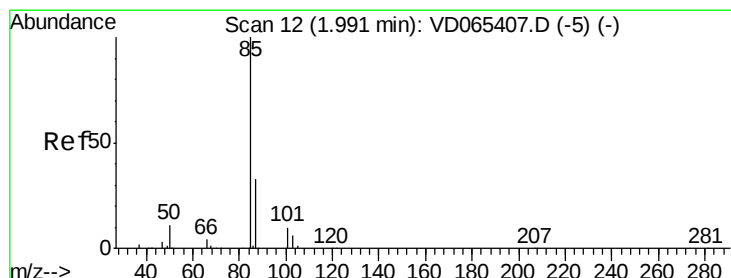
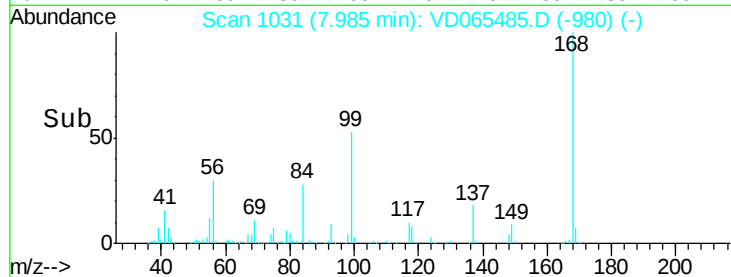
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 21.125 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065485.D

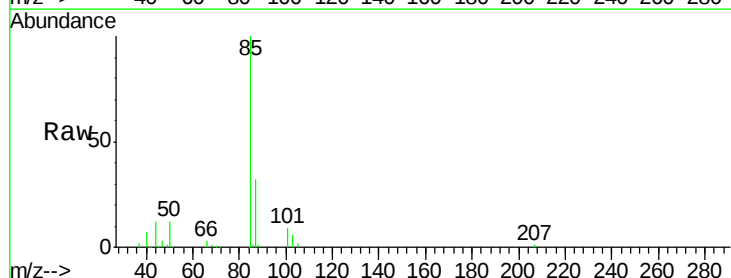
Acq: 12 Mar 2020 11:51

Tgt Ion: 85 Resp: 82987

Ion Ratio Lower Upper

85 100

87 31.8 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

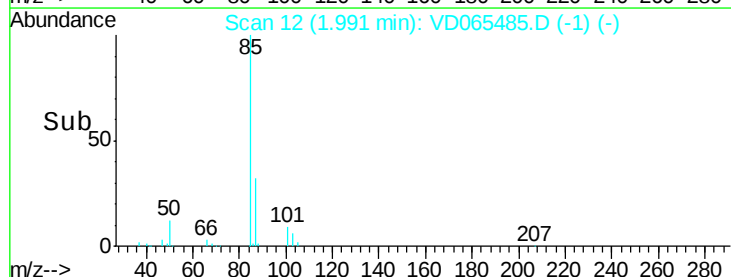
40000

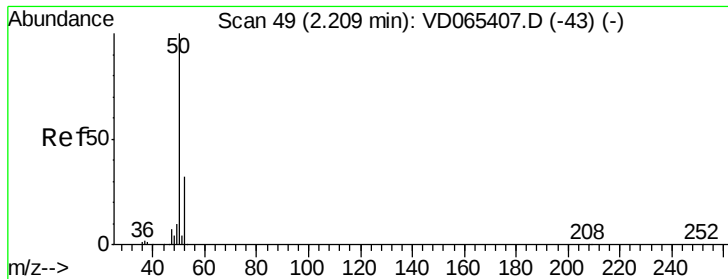
20000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 20.744 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065485.D

Acq: 12 Mar 2020 11:51

Instrument :

MSVOA_D

ClientSampleId :

VD0312SBS01

Tot Ion: 50 Resp: 98386

Ion Ratio Lower Upper

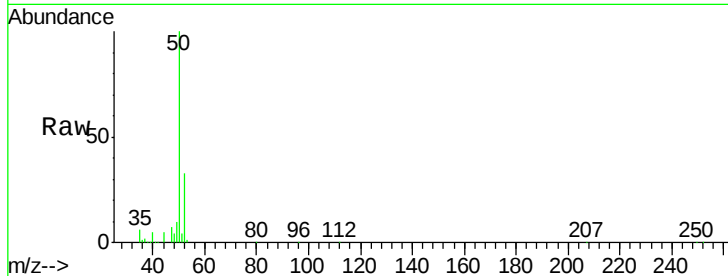
50 100

52 32.6 25.8 38.8

Manual Integrations
APPROVED

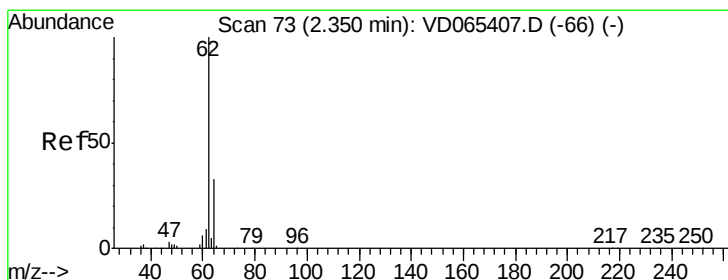
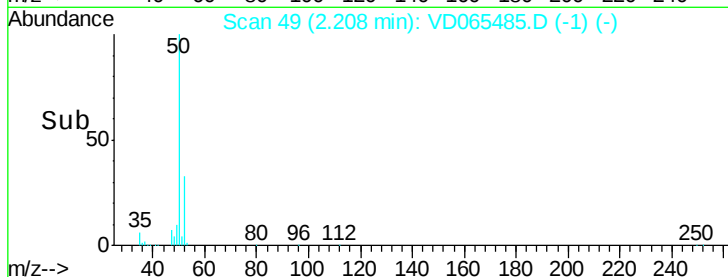
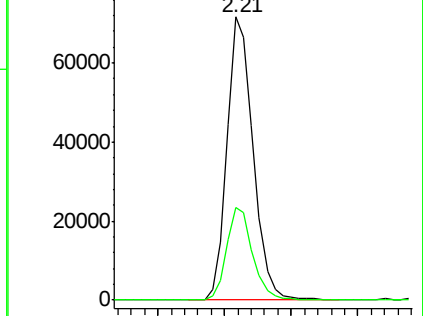
MMDadoda

3/16/2020 12:07:00 PM



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.609 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD065485.D

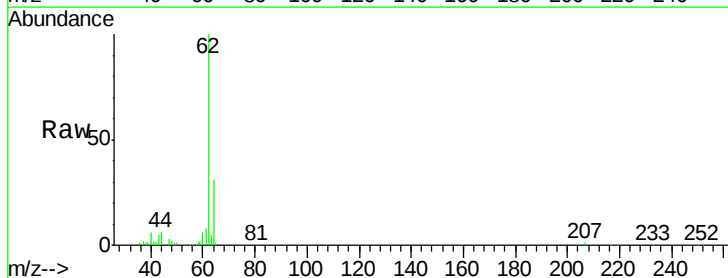
Acq: 12 Mar 2020 11:51

Tgt Ion: 62 Resp: 96411

Ion Ratio Lower Upper

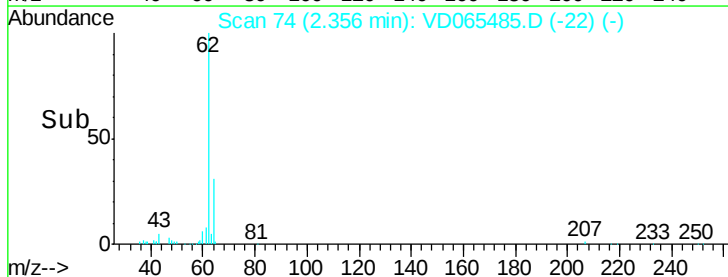
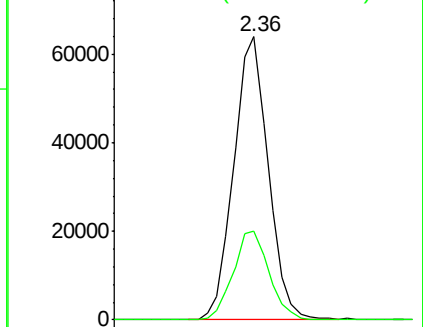
62 100

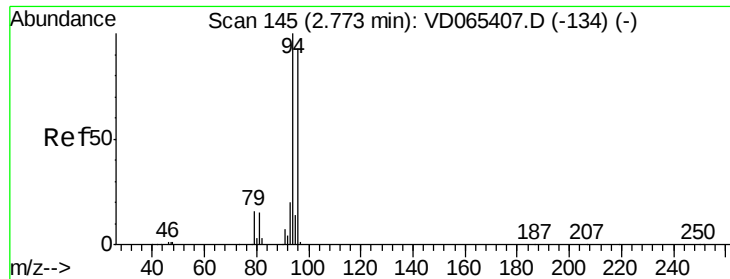
64 31.3 26.6 39.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 21.674 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD065485.D

Acq: 12 Mar 2020 11:51

Instrument :

MSVOA_D

ClientSampleId :

VD0312SBS01

Tot Ion: 94 Resp: 63919

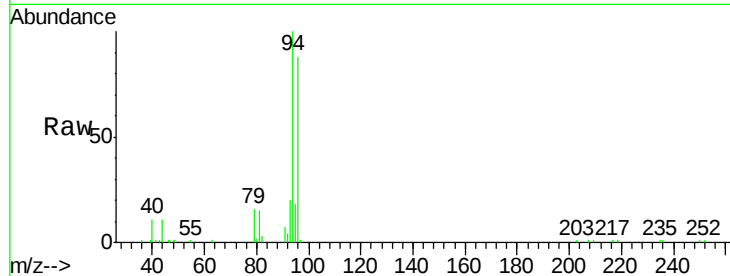
Ion Ratio Lower Upper

94 100

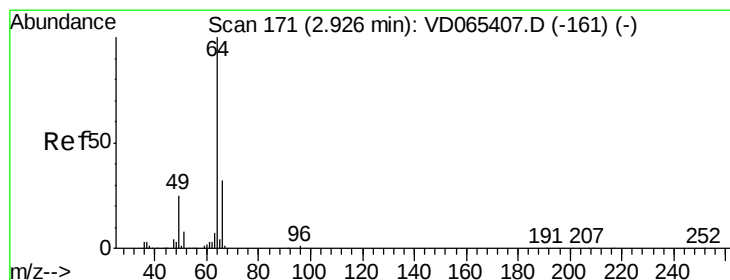
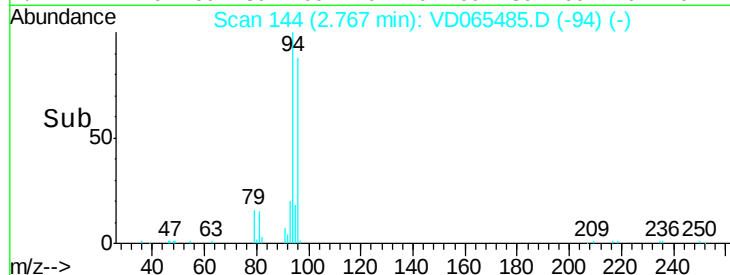
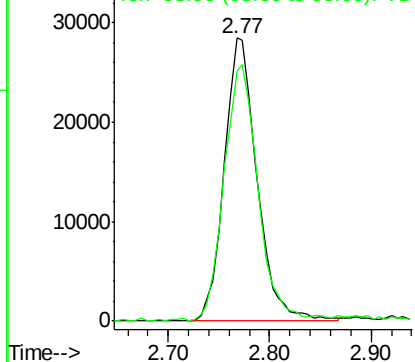
96 88.5 74.4 111.6

Manual Integrations
APPROVED

MMDadoda
3/16/2020 12:07:00 PM



Abundance Ion 93.90 (93.60 to 94.60): VDC
Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 21.282 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD065485.D

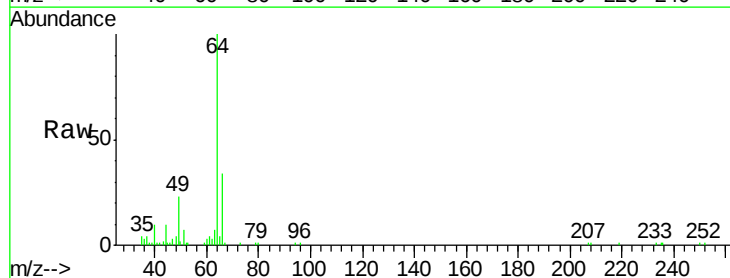
Acq: 12 Mar 2020 11:51

Tgt Ion: 64 Resp: 60976

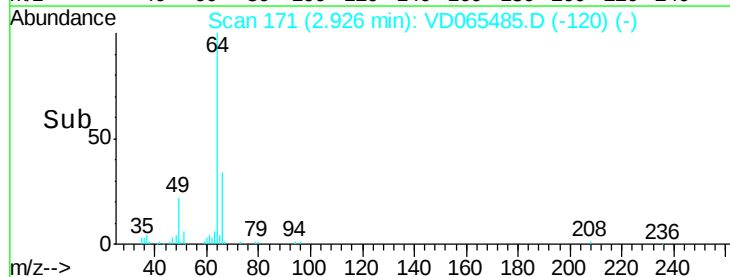
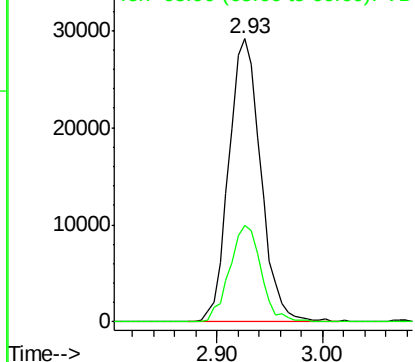
Ion Ratio Lower Upper

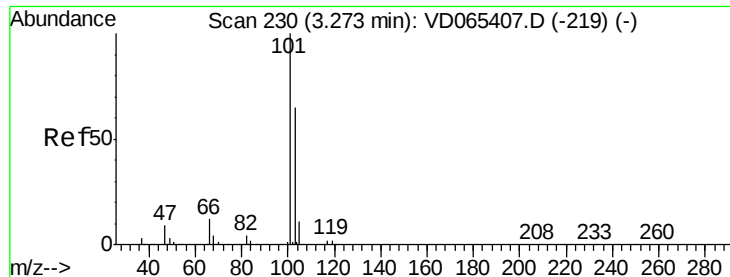
64 100

66 34.0 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VDC
Ion 65.90 (65.60 to 66.60): VDC





#7

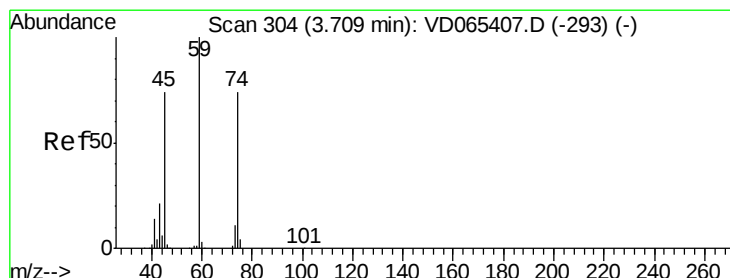
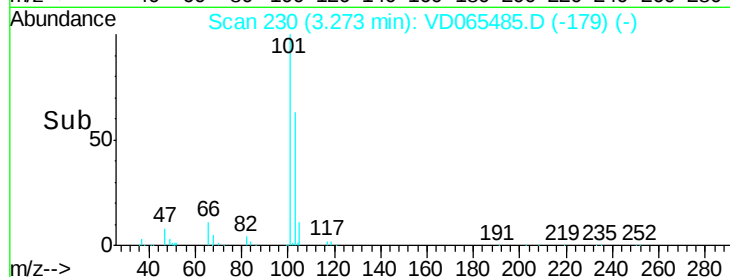
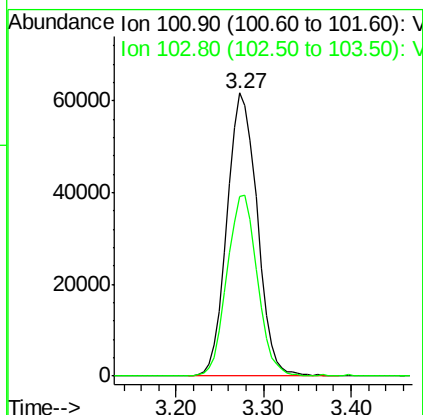
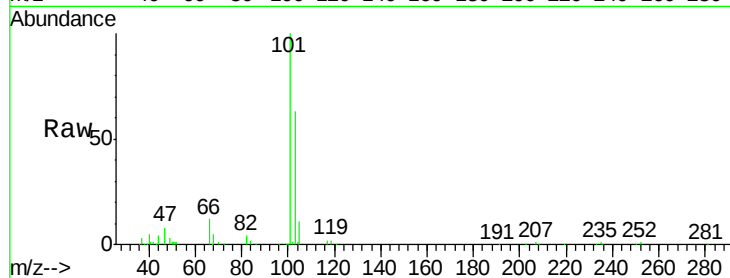
Trichlorofluoromethane
Concen: 21.073 ug/l
RT: 3.27 min Scan# 230
Delta R.T. -0.00 min
Lab File: VD065485.D
Acq: 12 Mar 2020 11:51

Instrument :
MSVOA_D
ClientSampleId :
VD0312SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.5	52.1	78.1

Manual Integrations
APPROVED

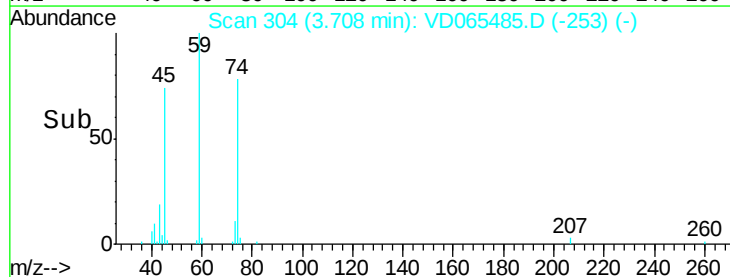
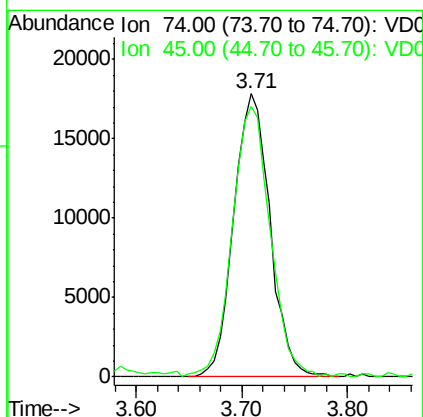
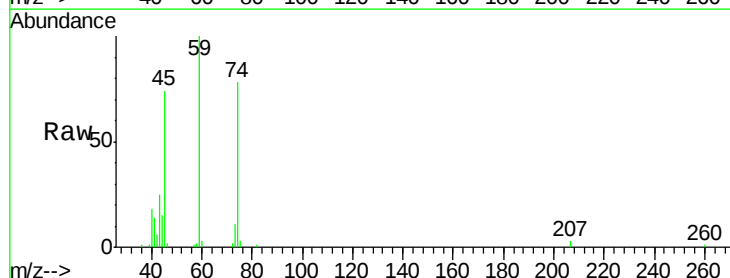
MMDadoda
3/16/2020 12:07:00 PM

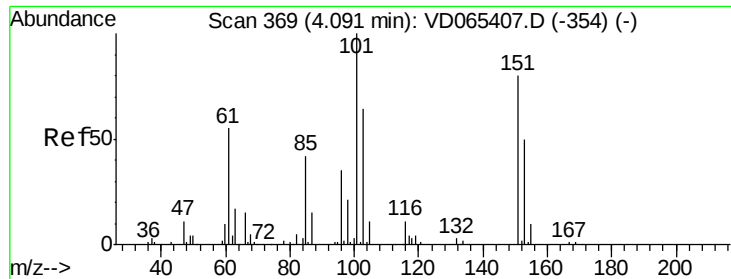


#8

Diethyl Ether
Concen: 20.694 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD065485.D
Acq: 12 Mar 2020 11:51

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.9	49.5	148.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.112 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.01 min

Lab File: VD065485.D

Acq: 12 Mar 2020 11:51

Instrument :

MSVOA_D

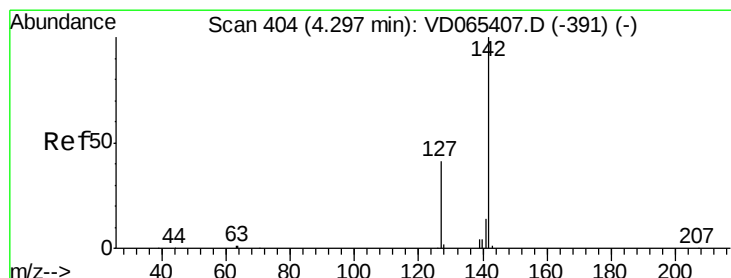
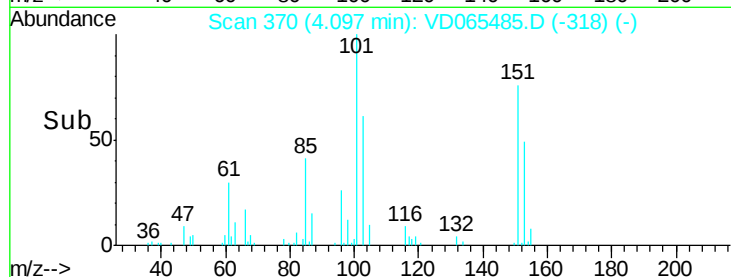
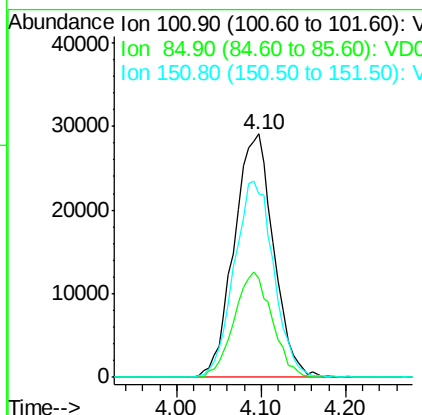
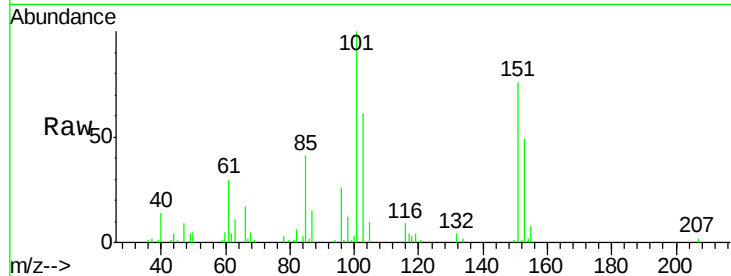
ClientSampleId :

VD0312SBS01

Tot Ion:	101	Resp:	93724
Ion Ratio	Lower	Upper	
101	100		
85	41.6	34.2	51.2
151	81.2	65.1	97.7

Manual Integrations
APPROVED

MMDadoda
3/16/2020 12:07:00 PM



#10

Methyl Iodide

Concen: 19.260 ug/l

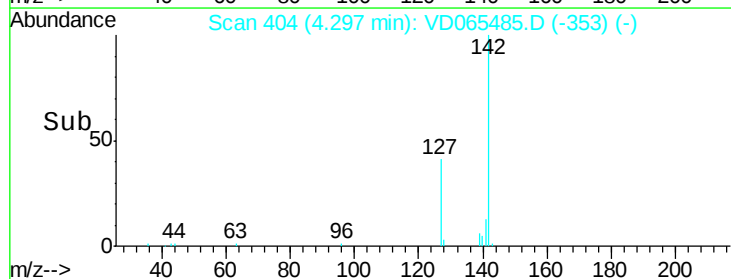
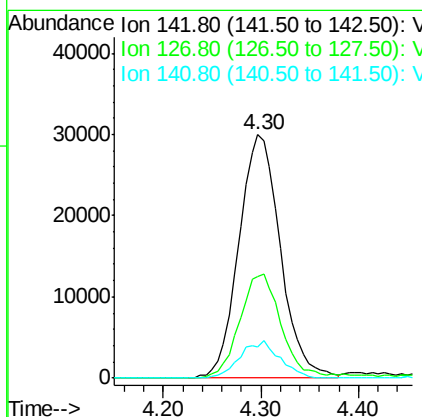
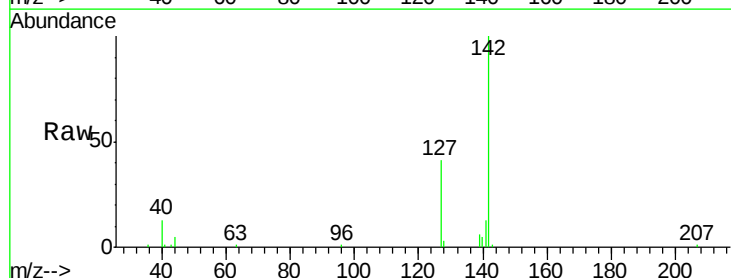
RT: 4.30 min Scan# 404

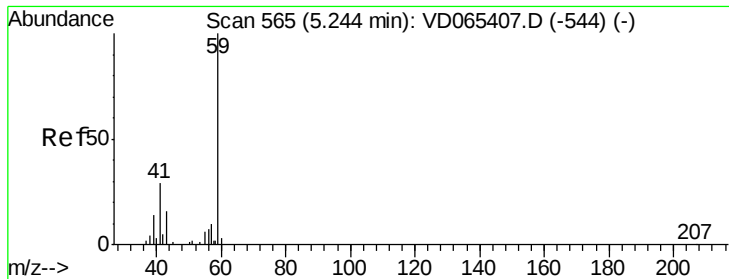
Delta R.T. -0.00 min

Lab File: VD065485.D

Acq: 12 Mar 2020 11:51

Tgt Ion:	142	Resp:	88829
Ion Ratio	Lower	Upper	
142	100		
127	42.7	35.0	52.6
141	14.4	12.4	18.6





#11

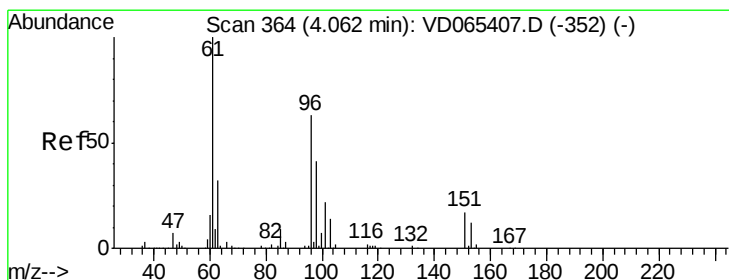
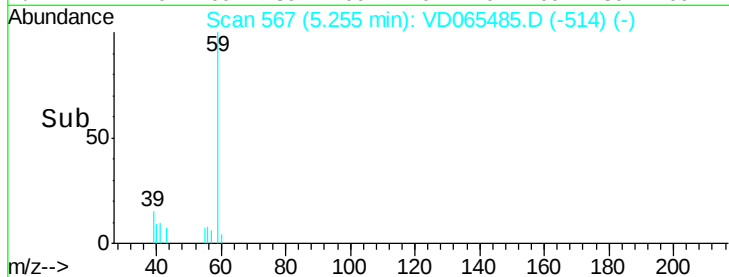
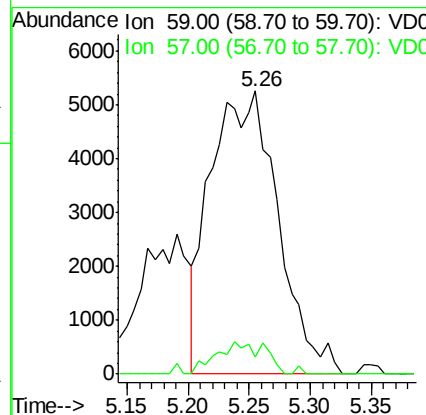
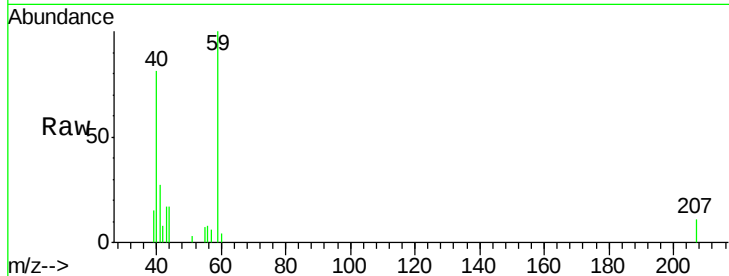
Tert butyl alcohol
 Concen: 89.554 ug/l m
 RT: 5.26 min Scan# 567
 Delta R.T. 0.01 min
 Lab File: VD065485.D
 Acq: 12 Mar 2020 11:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0312SBS01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	20141		
57	8.2	6.9	10.3	

Manual Integrations
 APPROVED

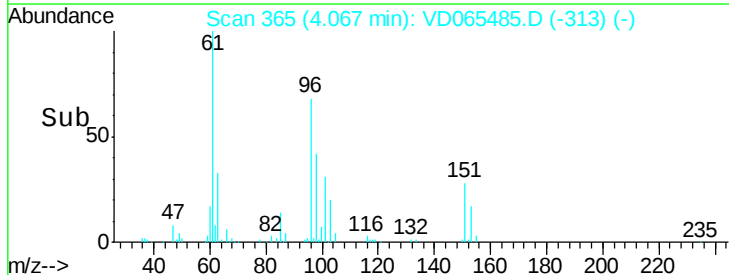
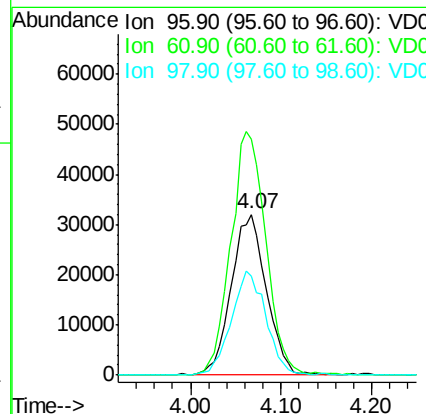
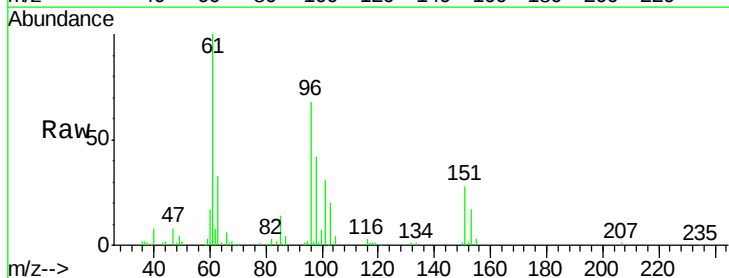
MMDadoda
 3/16/2020 12:07:00 PM

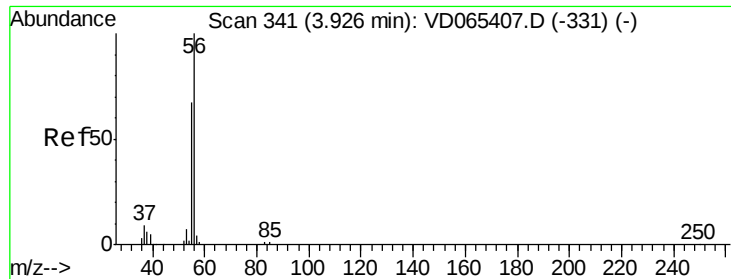


#12

1,1-Dichloroethene
 Concen: 20.304 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. 0.01 min
 Lab File: VD065485.D
 Acq: 12 Mar 2020 11:51

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	86313		
61	146.7	128.0	192.0	
98	61.6	51.9	77.9	





#13

Acrolein

Concen: 79.949 ug/l

RT: 3.93 min Scan# 342

Delta R.T. 0.01 min

Lab File: VD065485.D

Acq: 12 Mar 2020 11:51

Instrument :

MSVOA_D

ClientSampleId :

VD0312SBS01

Tot Ion: 56 Resp: 31010

Ion Ratio Lower Upper

56 100

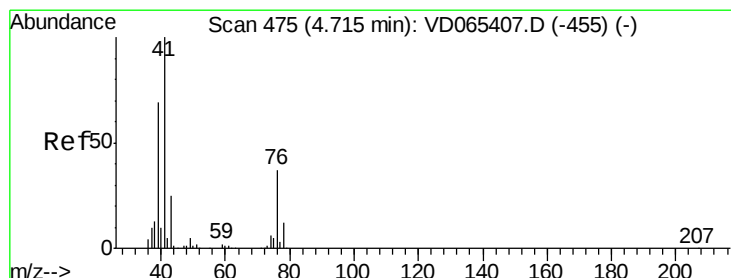
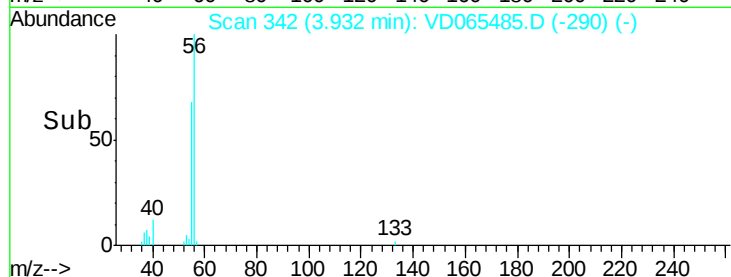
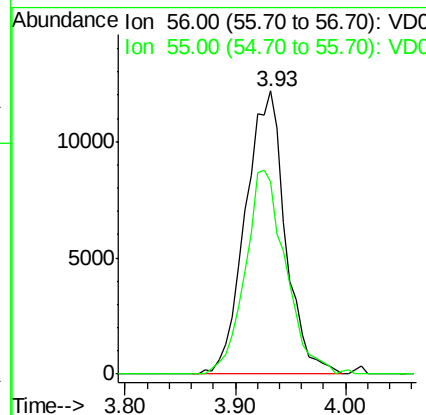
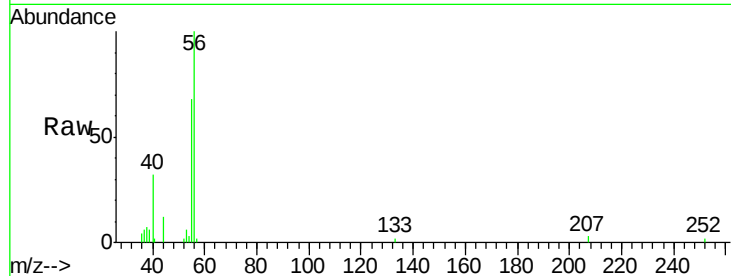
55 73.1 56.6 85.0

Manual Integrations

APPROVED

MMDadoda

3/16/2020 12:07:00 PM



#14

Allyl chloride

Concen: 19.513 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD065485.D

Acq: 12 Mar 2020 11:51

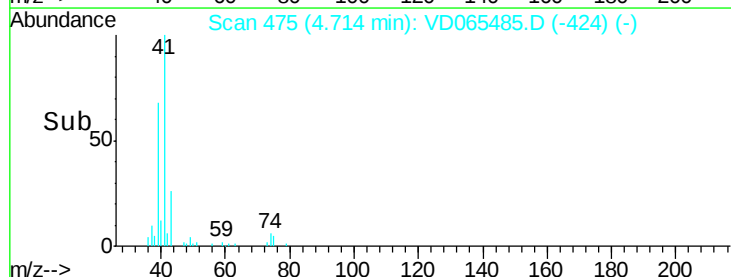
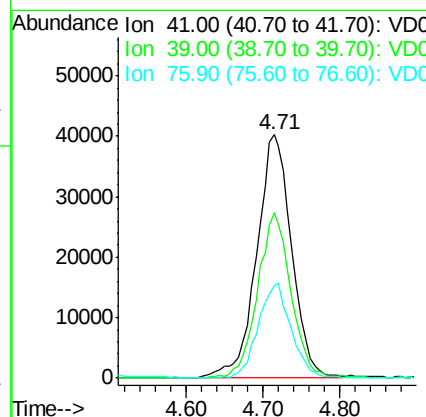
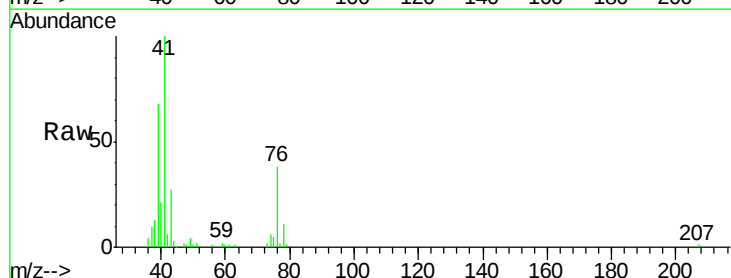
Tgt Ion: 41 Resp: 127427

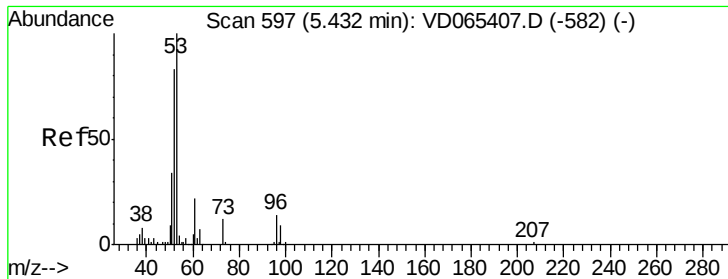
Ion Ratio Lower Upper

41 100

39 64.7 52.6 79.0

76 36.5 29.2 43.8





#15

Acrylonitrile

Concen: 101.311 ug/l

RT: 5.44 min Scan# 598

Delta R.T. 0.01 min

Lab File: VD065485.D

Acq: 12 Mar 2020 11:51

Instrument :

MSVOA_D

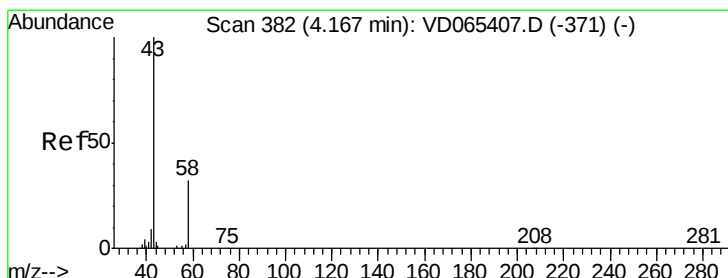
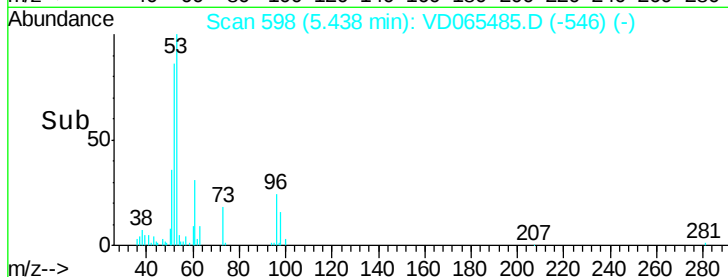
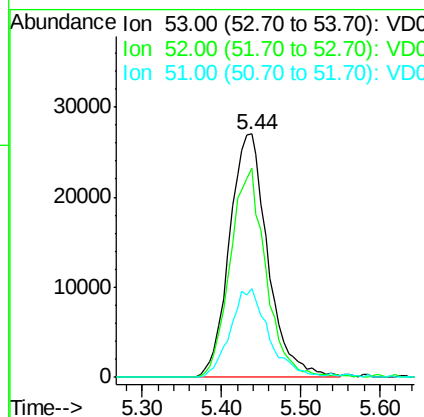
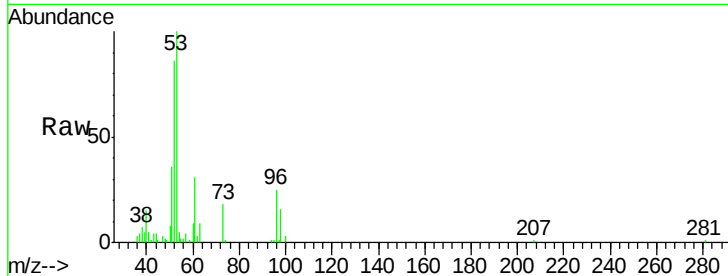
ClientSampleId :

VD0312SBS01

Tot Ion:	53	Resp:	90347
Ion Ratio	Lower	Upper	
53	100		
52	80.2	65.1	97.7
51	36.5	28.5	42.7

Manual Integrations
APPROVED

MMDadoda
3/16/2020 12:07:00 PM



#16

Acetone

Concen: 97.813 ug/l

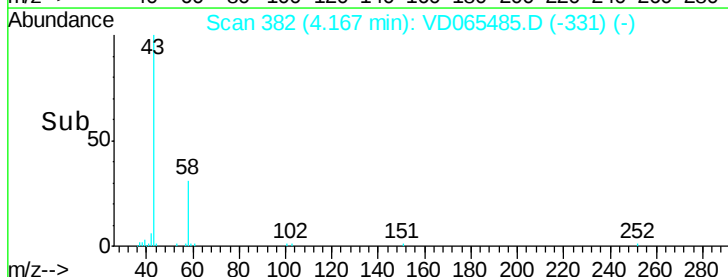
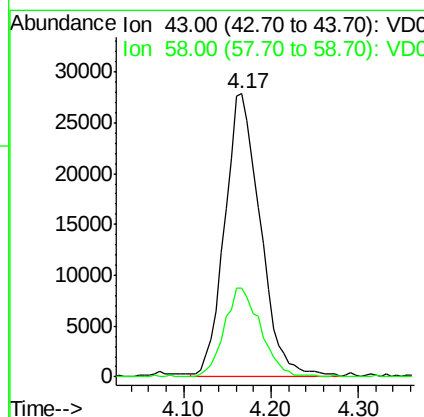
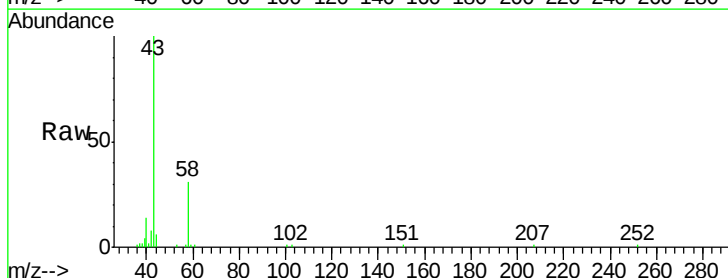
RT: 4.17 min Scan# 382

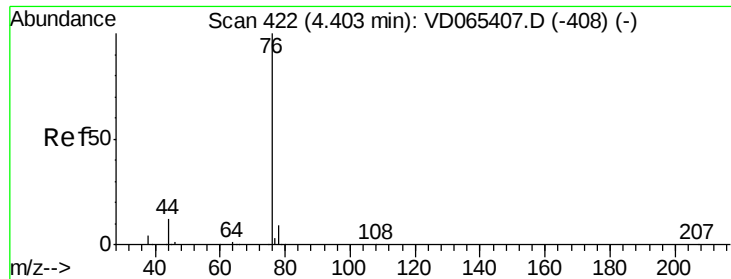
Delta R.T. -0.00 min

Lab File: VD065485.D

Acq: 12 Mar 2020 11:51

Tgt Ion:	43	Resp:	77563
Ion Ratio	Lower	Upper	
43	100		
58	31.3	25.1	37.7





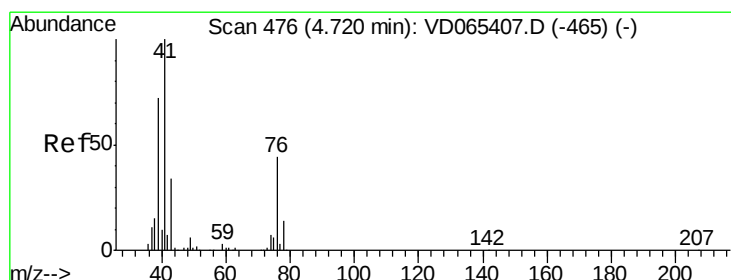
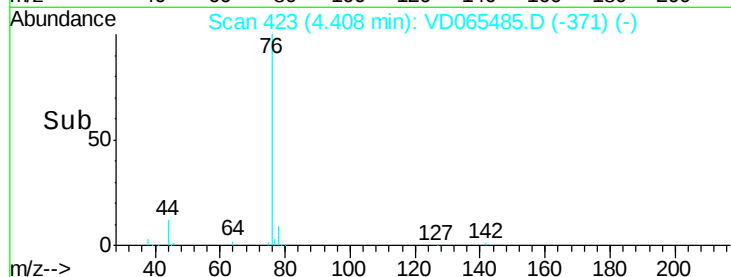
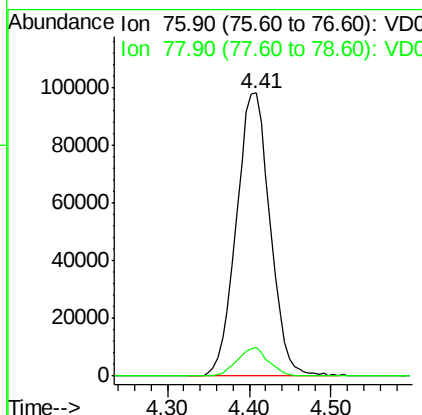
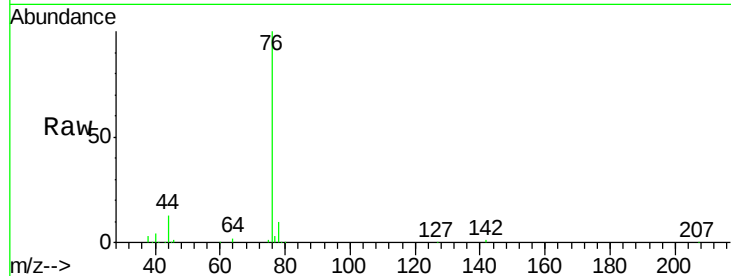
#17
Carbon Disulfide
Concen: 19.929 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.01 min
Lab File: VD065485.D
Acq: 12 Mar 2020 11:51

Instrument :
MSVOA_D
ClientSampleId :
VD0312SBS01

Tot Ion	Ratio	Resp	Lower	Upper
76	100	282125		
78	10.0		7.4	11.0

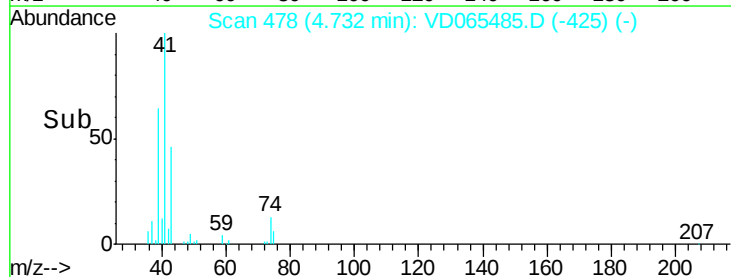
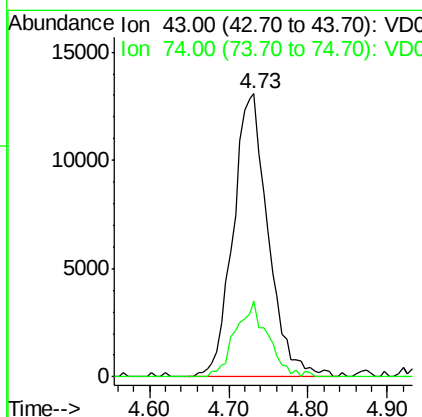
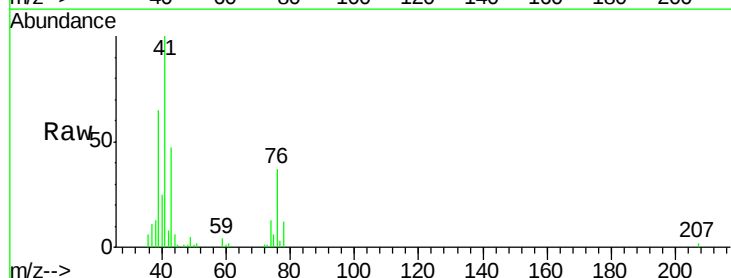
Manual Integrations
APPROVED

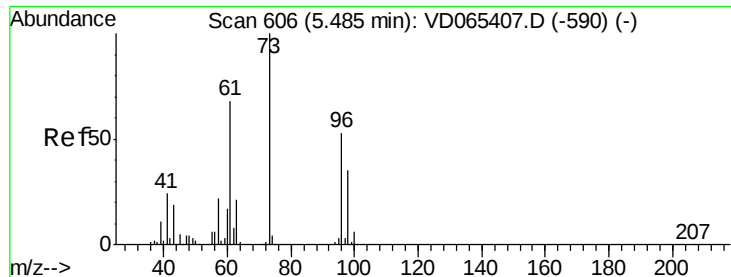
MMDadoda
3/16/2020 12:07:00 PM



#18
Methyl Acetate
Concen: 19.945 ug/l
RT: 4.73 min Scan# 478
Delta R.T. 0.01 min
Lab File: VD065485.D
Acq: 12 Mar 2020 11:51

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	40120		
74	24.5		19.6	29.4





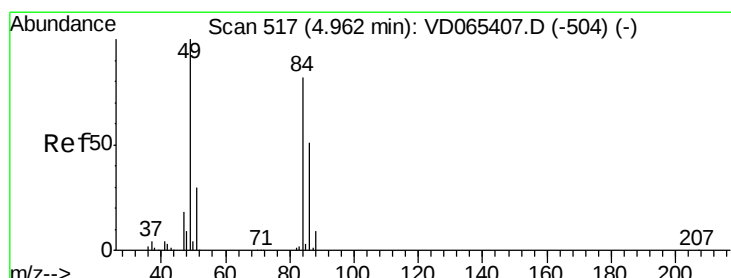
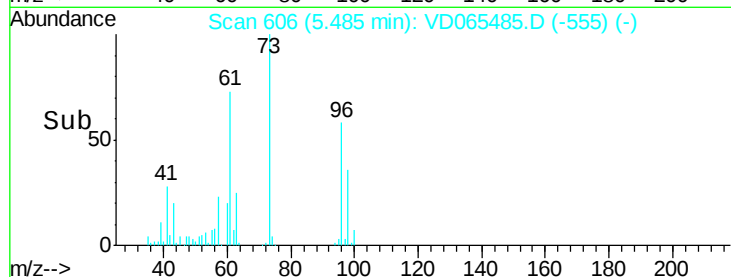
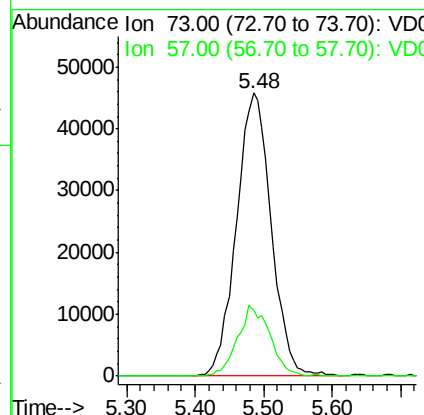
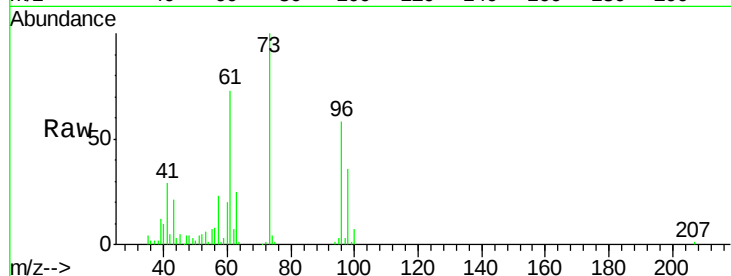
#19
Methvl tert-butvl Ether
Concen: 19.684 ug/l
RT: 5.48 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD065485.D
Acq: 12 Mar 2020 11:51

Instrument :
MSVOA_D
ClientSampleId :
VD0312SBS01

Tot Ion: 73 Resp: 160919
Ion Ratio Lower Upper
73 100
57 23.4 17.3 25.9

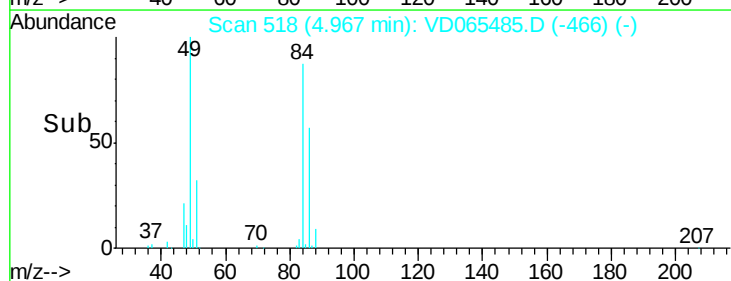
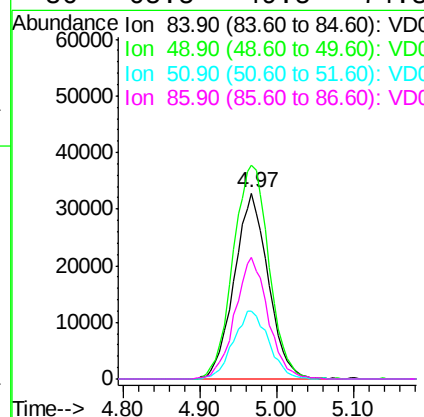
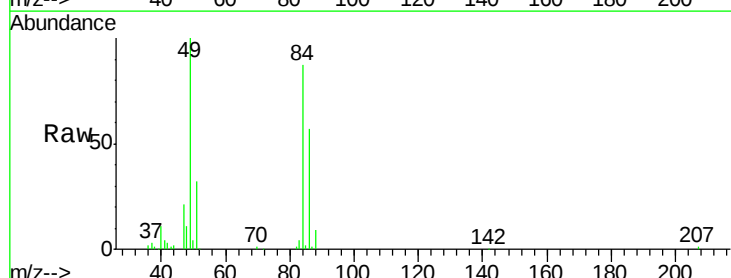
Manual Integrations
APPROVED

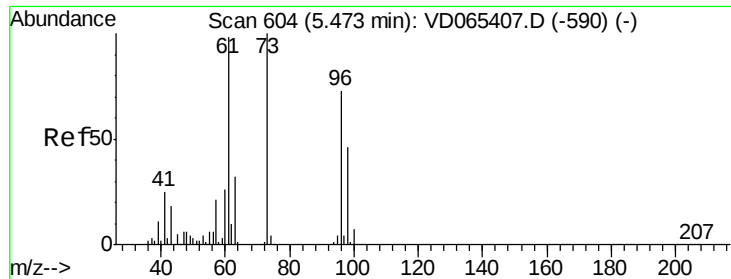
MMDadoda
3/16/2020 12:07:00 PM



#20
Methylene Chloride
Concen: 21.496 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD065485.D
Acq: 12 Mar 2020 11:51

Tgt Ion: 84 Resp: 101049
Ion Ratio Lower Upper
84 100
49 114.9 97.7 146.5
51 36.8 28.8 43.2
86 65.5 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 20.487 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD065485.D

Acq: 12 Mar 2020 11:51

Instrument :

MSVOA_D

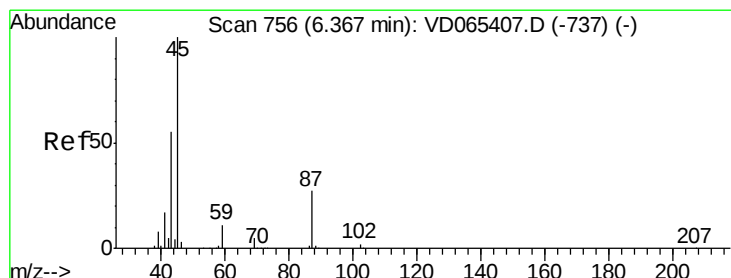
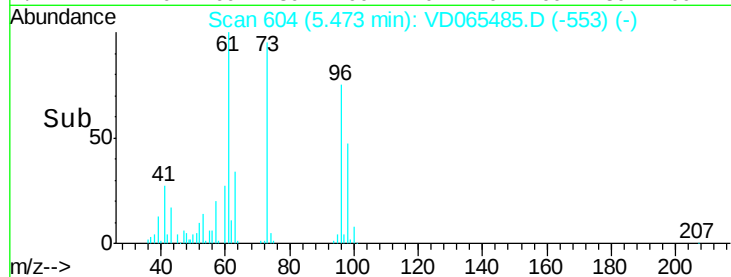
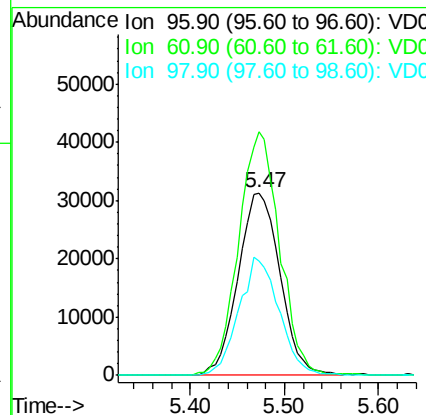
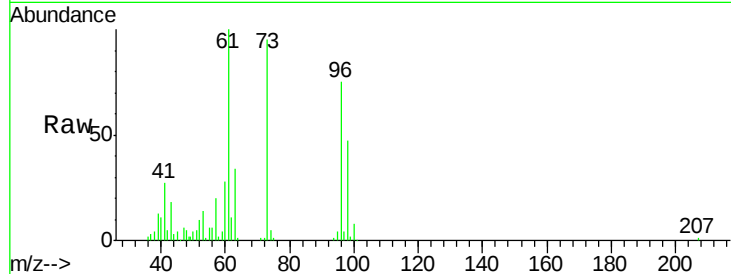
ClientSampleId :

VD0312SBS01

Tot Ion:	96	Resp:	96881
Ion	Ratio	Lower	Upper
96	100		
61	133.7	106.3	159.5
98	62.7	50.2	75.4

Manual Integrations
APPROVED

MMDadoda
3/16/2020 12:07:00 PM



#22

Diisopropyl ether

Concen: 21.077 ug/l

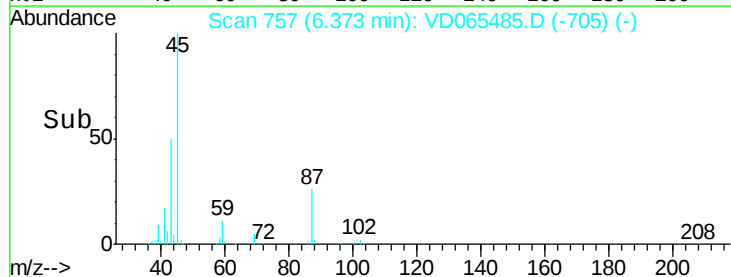
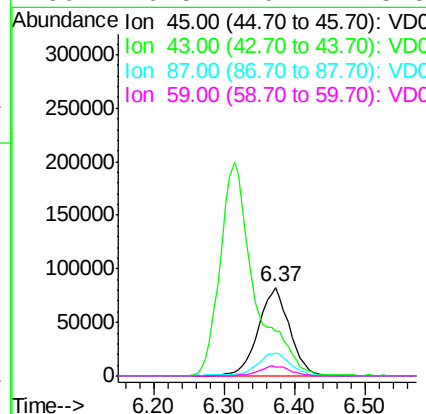
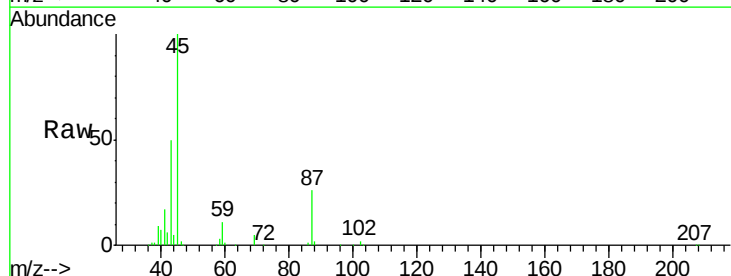
RT: 6.37 min Scan# 757

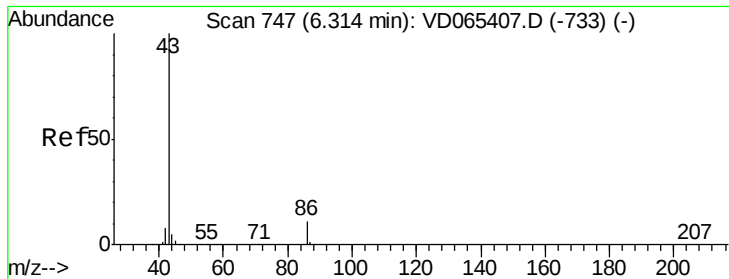
Delta R.T. 0.01 min

Lab File: VD065485.D

Acq: 12 Mar 2020 11:51

Tgt Ion:	45	Resp:	255869
Ion	Ratio	Lower	Upper
45	100		
43	49.3	44.4	66.6
87	25.9	21.9	32.9
59	10.5	9.2	13.8





#23

Vinyl Acetate

Concen: 100.211 ug/l

RT: 6.31 min Scan# 747

Delta R.T. -0.00 min

Lab File: VD065485.D

Acq: 12 Mar 2020 11:51

Instrument :

MSVOA_D

ClientSampleId :

VD0312SBS01

Tot Ion: 43 Resp: 675465

Ion Ratio Lower Upper

43 100

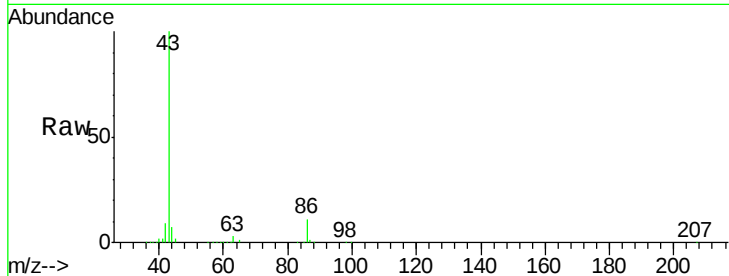
86 10.9 8.9 13.3

Manual Integrations

APPROVED

MMDadoda

3/16/2020 12:07:00 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

200000

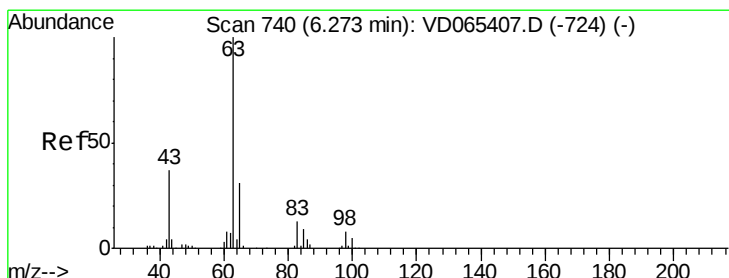
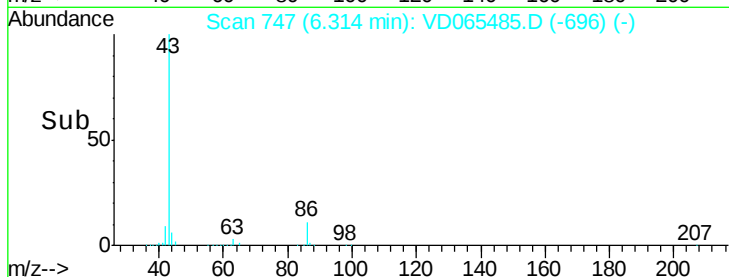
150000

100000

50000

0

Time--> 6.10 6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 20.745 ug/l

RT: 6.27 min Scan# 740

Delta R.T. -0.00 min

Lab File: VD065485.D

Acq: 12 Mar 2020 11:51

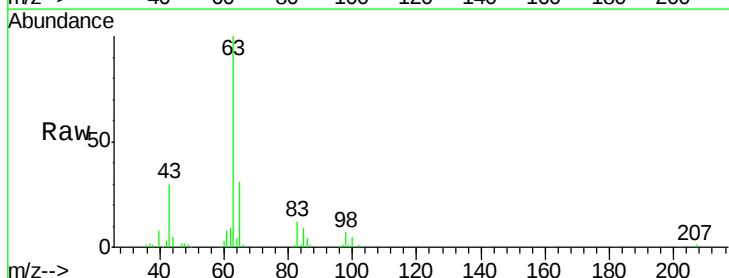
Tgt Ion: 63 Resp: 161527

Ion Ratio Lower Upper

63 100

98 6.9 4.2 12.6

100 4.5 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

6.27

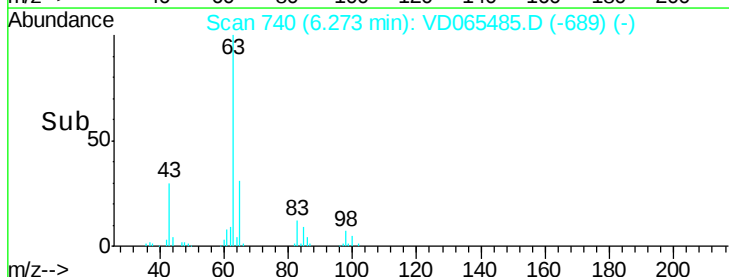
60000

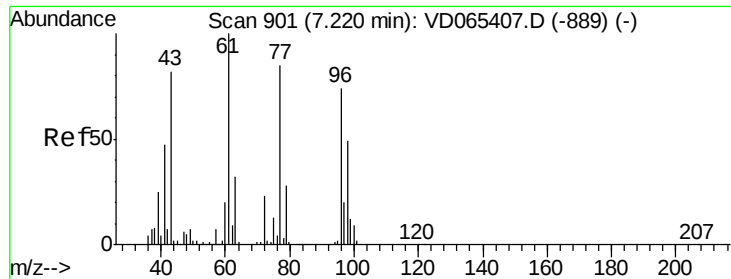
40000

20000

0

Time--> 6.20 6.30 6.40





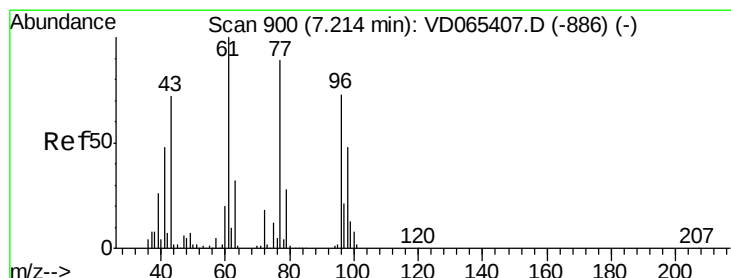
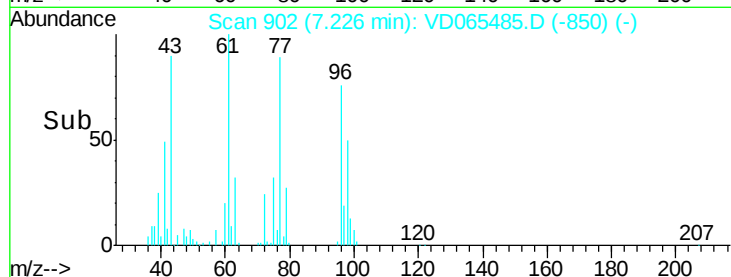
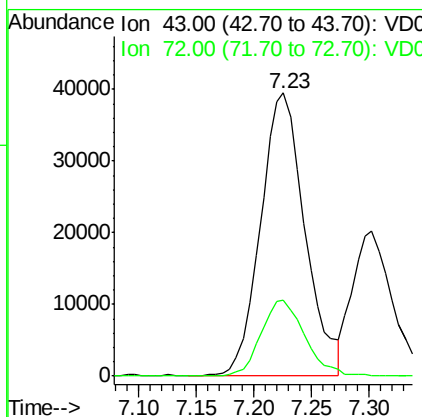
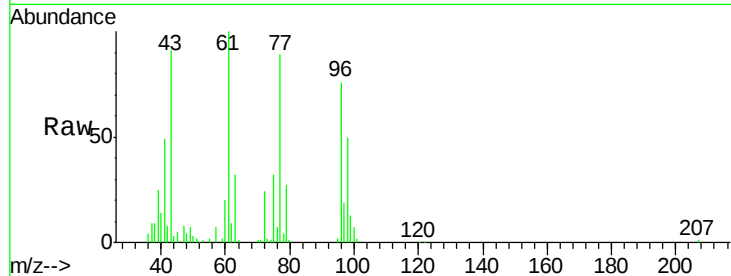
#25
2-Butanone
Concen: 98.072 ug/l
RT: 7.23 min Scan# 902
Delta R.T. 0.01 min
Lab File: VD065485.D
Acq: 12 Mar 2020 11:51

Instrument :
MSVOA_D
ClientSampleId :
VD0312SBS01

Tot Ion: 43 Resp: 106127
Ion Ratio Lower Upper
43 100
72 26.7 22.3 33.5

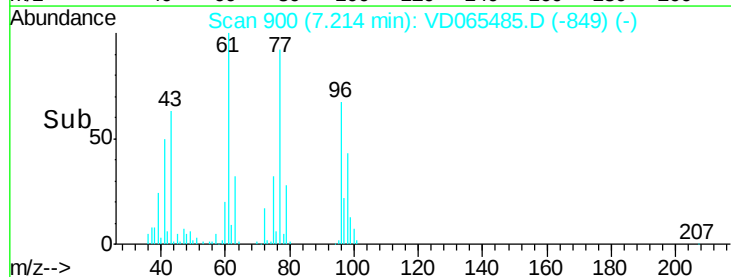
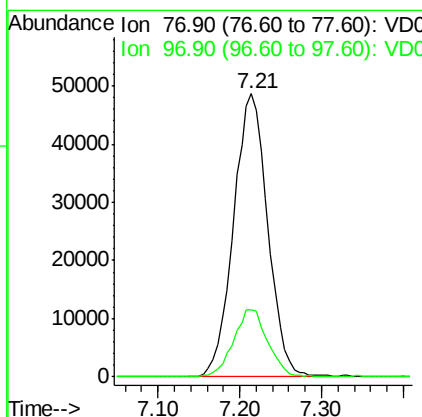
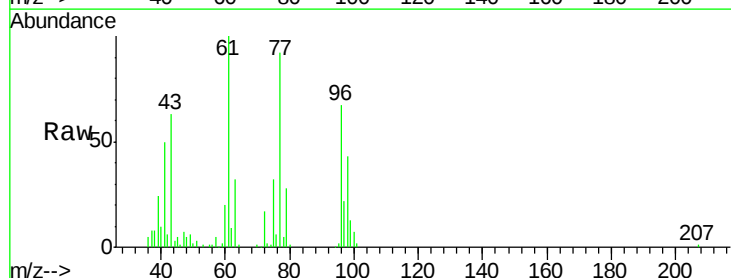
Manual Integrations
APPROVED

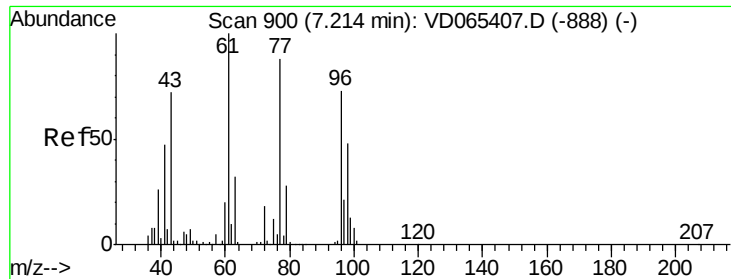
MMDadoda
3/16/2020 12:07:00 PM



#26
2,2-Dichloropropane
Concen: 20.763 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD065485.D
Acq: 12 Mar 2020 11:51

Tgt Ion: 77 Resp: 141283
Ion Ratio Lower Upper
77 100
97 23.6 11.8 35.4





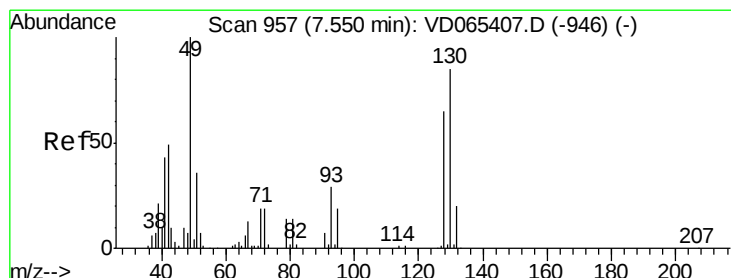
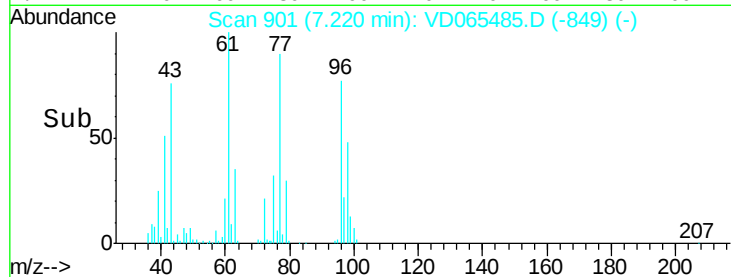
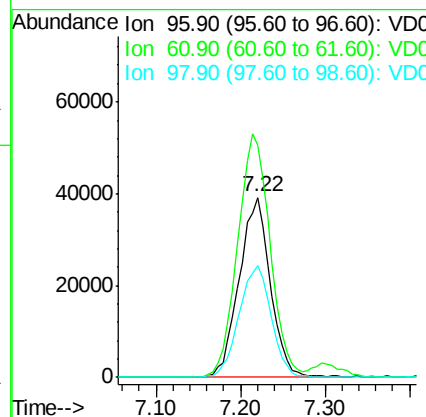
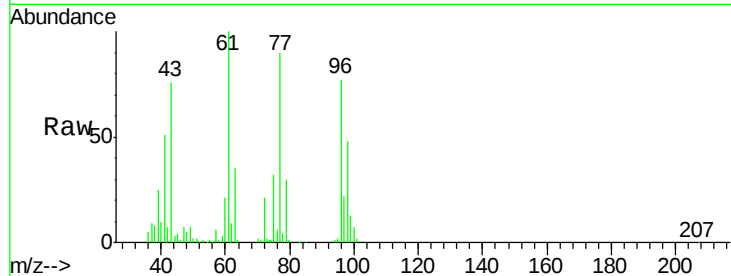
#27
 cis-1,2-Dichloroethene
 Concen: 20.680 ug/l
 RT: 7.22 min Scan# 901
 Delta R.T. 0.01 min
 Lab File: VD065485.D
 Acq: 12 Mar 2020 11:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0312SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	99959		
61	140.6		0.0	280.4
98	63.8		0.0	132.6

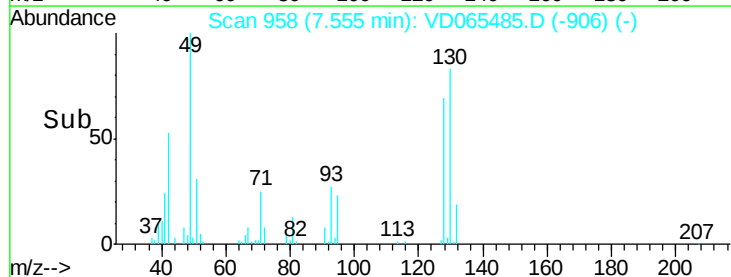
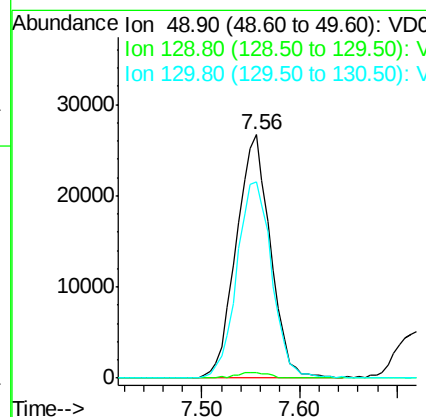
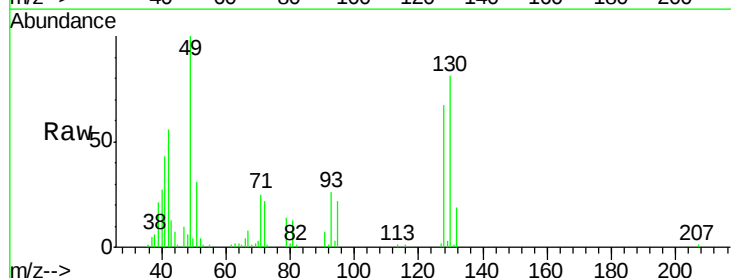
Manual Integrations
 APPROVED

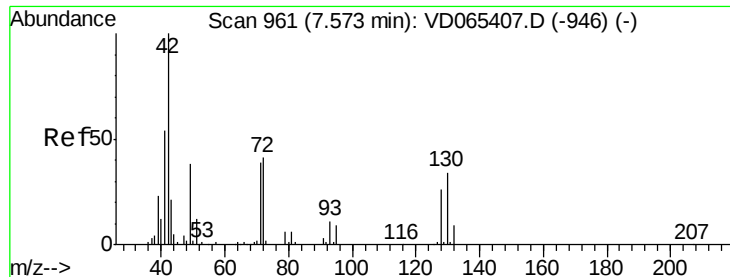
MMDadoda
 3/16/2020 12:07:00 PM



#28
 Bromochloromethane
 Concen: 20.839 ug/l
 RT: 7.56 min Scan# 958
 Delta R.T. 0.01 min
 Lab File: VD065485.D
 Acq: 12 Mar 2020 11:51

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	64918		
129	2.3		0.0	4.6
130	83.2		66.6	100.0





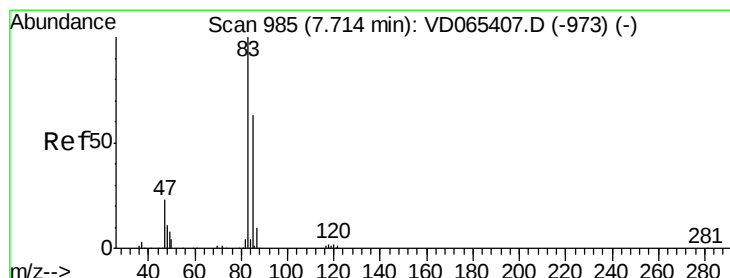
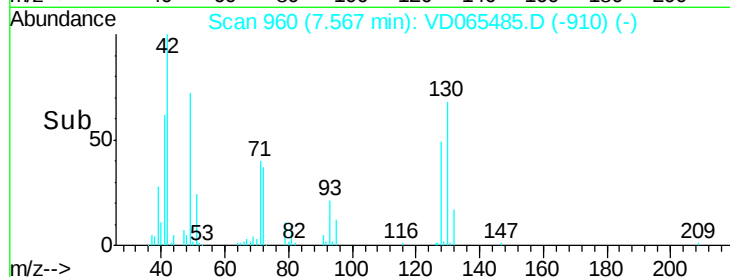
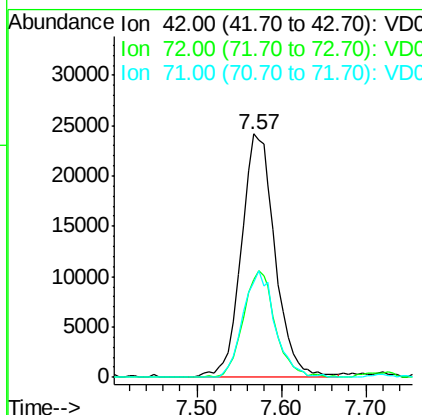
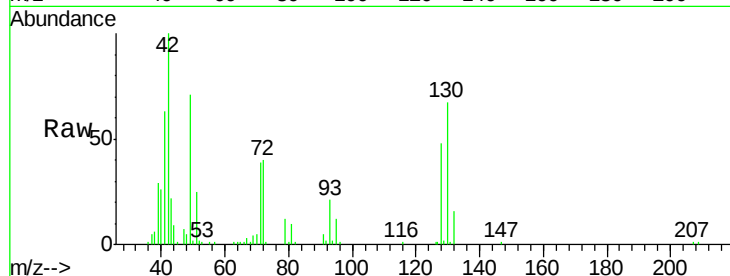
#29
Tetrahydrofuran
Concen: 96.870 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD065485.D
Acq: 12 Mar 2020 11:51

Instrument :
MSVOA_D
ClientSampleId :
VD0312SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.6	33.0	49.6
71	41.4	32.0	48.0

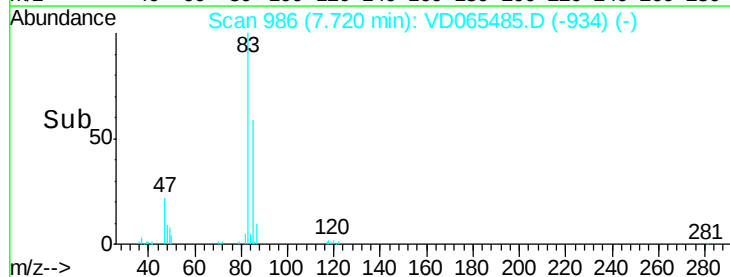
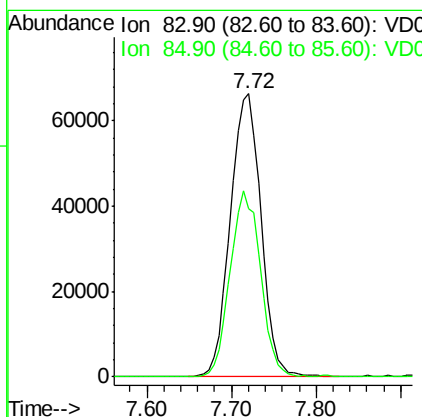
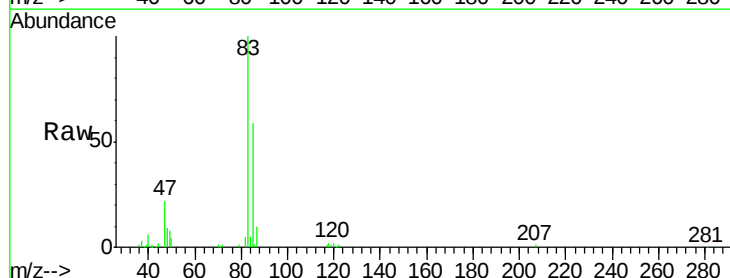
Manual Integrations
APPROVED

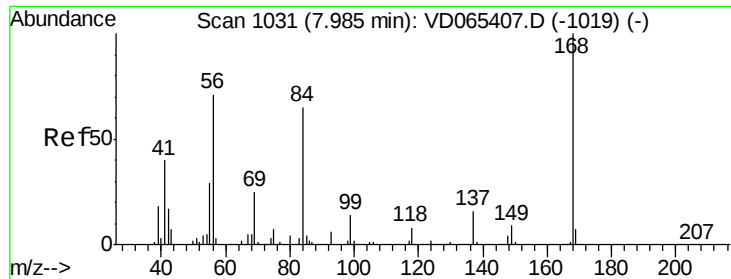
MMDadoda
3/16/2020 12:07:00 PM



#30
Chloroform
Concen: 21.379 ug/l
RT: 7.72 min Scan# 986
Delta R.T. 0.01 min
Lab File: VD065485.D
Acq: 12 Mar 2020 11:51

Tgt Ion	Ratio	Lower	Upper
83	100		
85	59.4	50.3	75.5





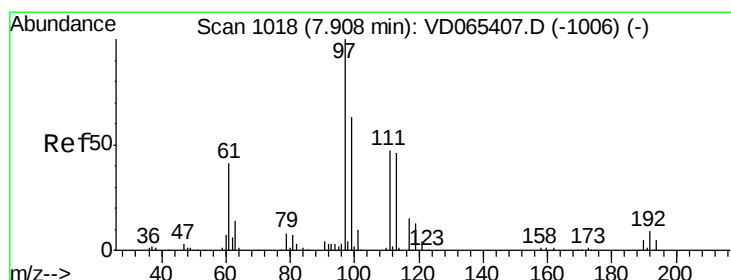
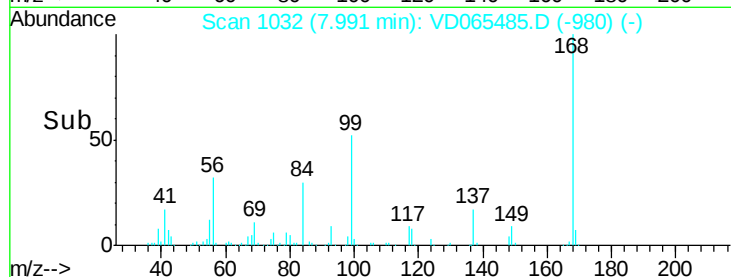
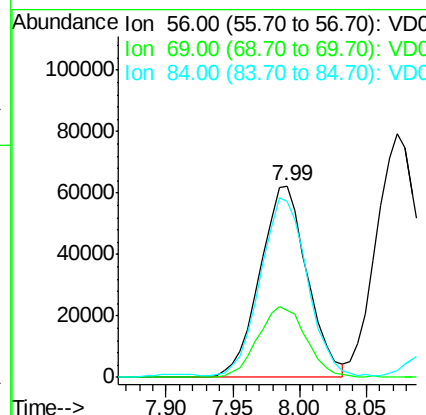
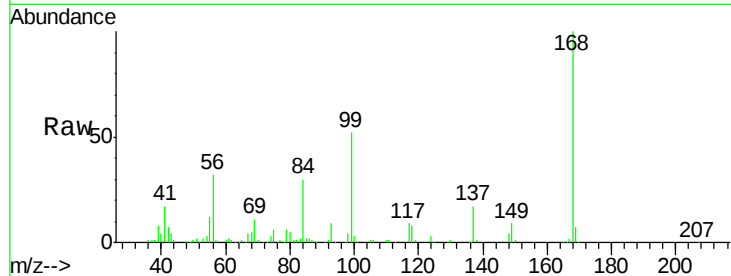
#31
Cyclohexane
Concen: 19.685 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VD065485.D
Acq: 12 Mar 2020 11:51

Instrument :
MSVOA_D
ClientSampleId :
VD0312SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.0	28.3	42.5
84	90.4	73.1	109.7

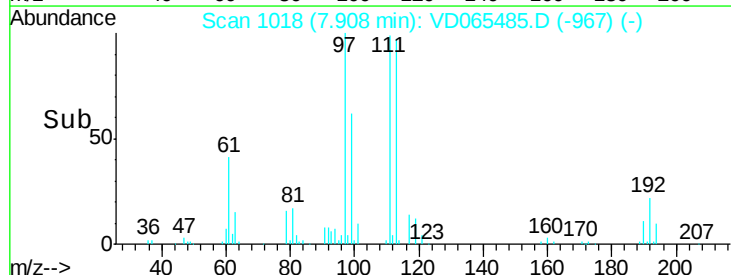
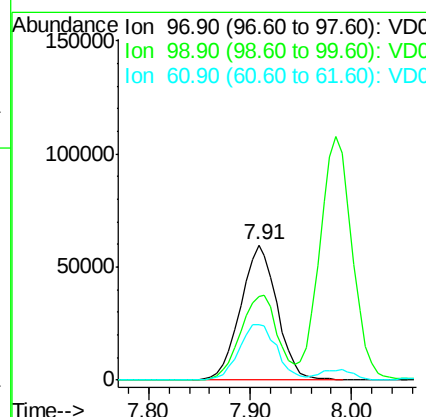
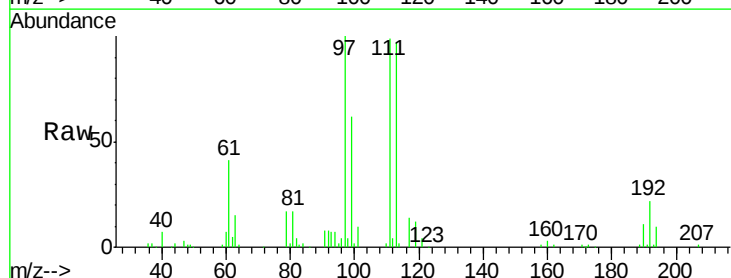
Manual Integrations
APPROVED

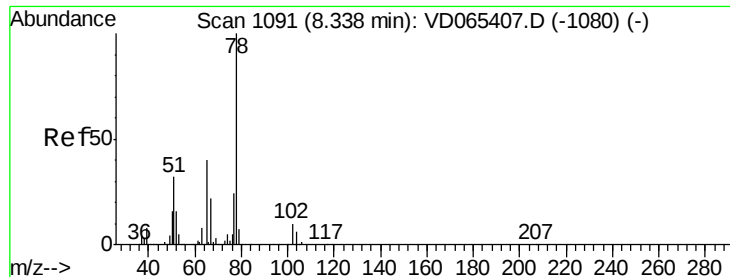
MMDadoda
3/16/2020 12:07:00 PM



#32
1,1,1-Trichloroethane
Concen: 20.647 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VD065485.D
Acq: 12 Mar 2020 11:51

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	50.9	76.3
61	42.8	33.2	49.8





#33

1,2-Dichloroethane-d4

Concen: 48.476 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD065485.D

Acq: 12 Mar 2020 11:51

Instrument :

MSVOA_D

ClientSampleId :

VD0312SBS01

Tot Ion: 65 Resp: 190073

Ion Ratio Lower Upper

65 100

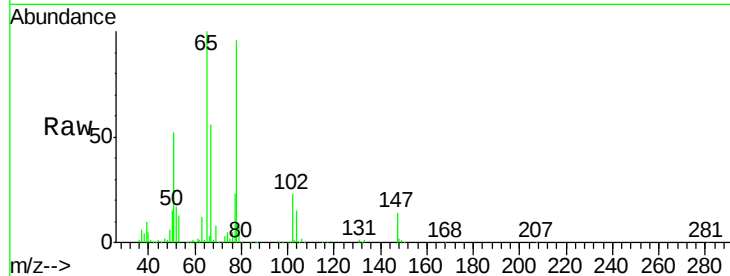
67 55.1 0.0 108.0

Manual Integrations

APPROVED

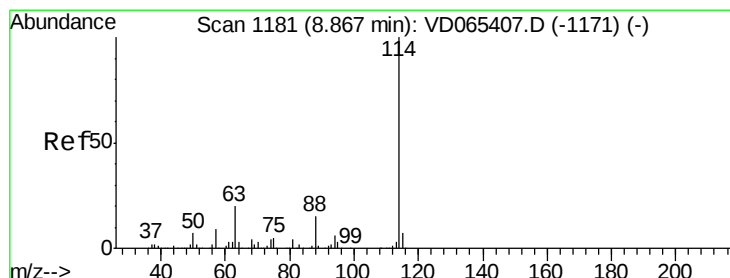
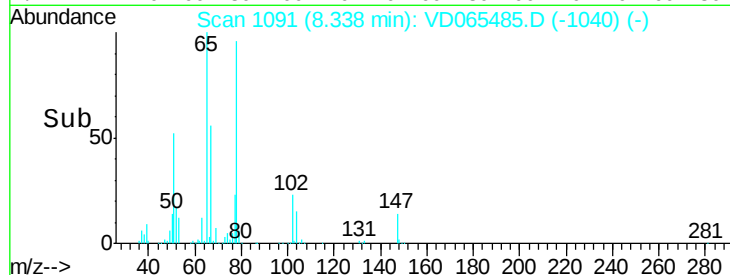
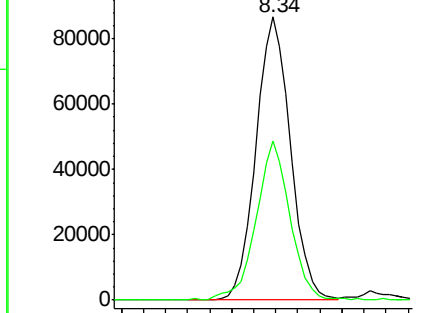
MMDadoda

3/16/2020 12:07:00 PM



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1182

Delta R.T. 0.01 min

Lab File: VD065485.D

Acq: 12 Mar 2020 11:51

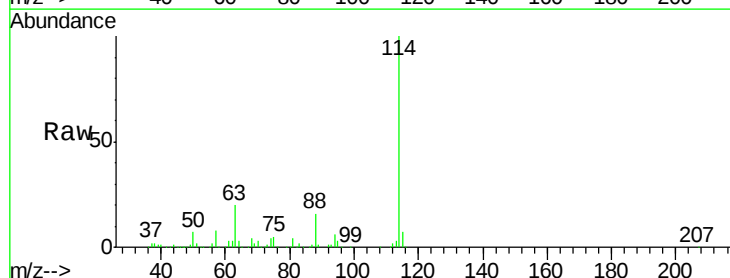
Tgt Ion: 114 Resp: 667834

Ion Ratio Lower Upper

114 100

63 20.2 0.0 39.6

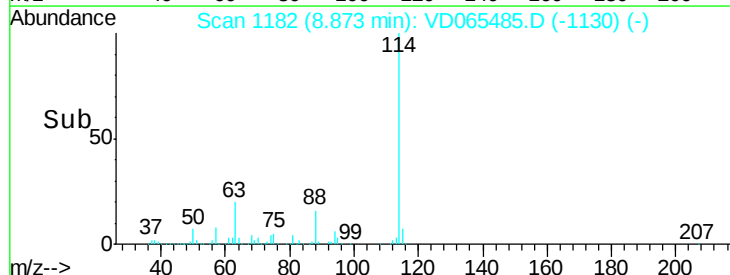
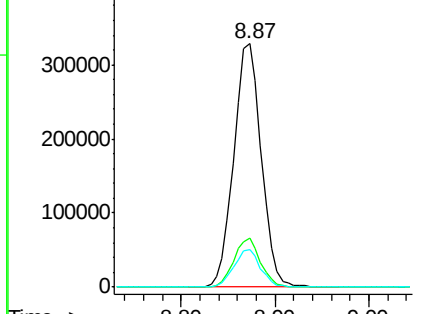
88 15.6 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





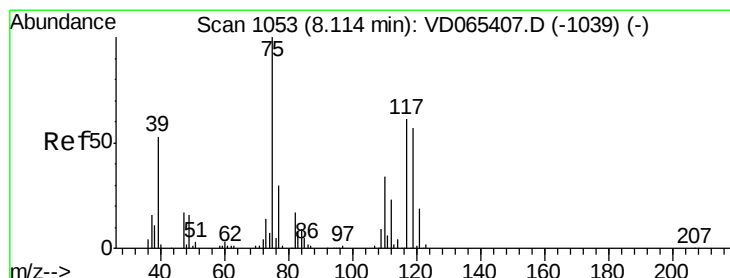
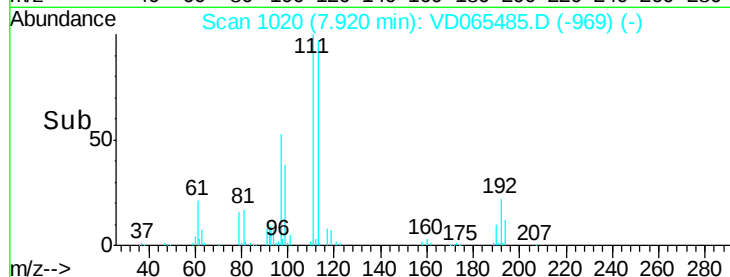
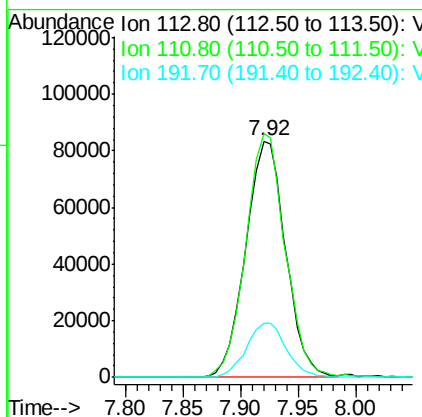
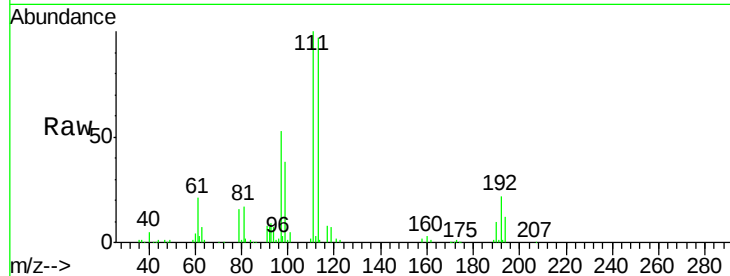
#35
Dibromofluoromethane
Concen: 48.740 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VD065485.D
Acq: 12 Mar 2020 11:51

Instrument :
MSVOA_D
ClientSampleId :
VD0312SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	201292		
111	102.4	82.1	123.1	
192	22.9	17.2	25.8	

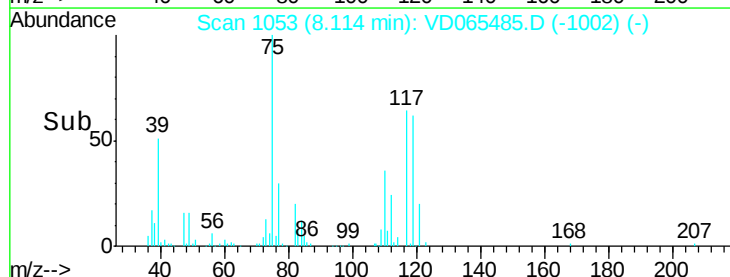
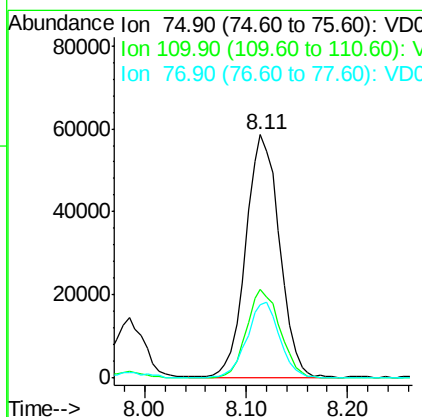
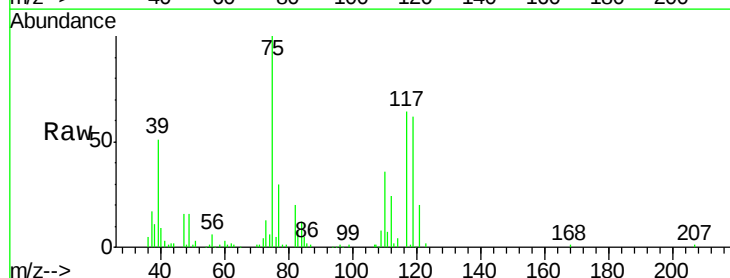
Manual Integrations
APPROVED

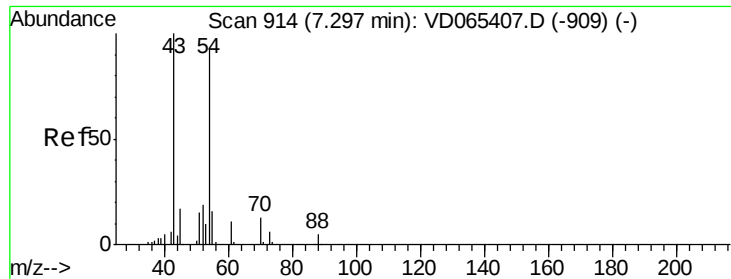
MMDadoda
3/16/2020 12:07:00 PM



#36
1,1-Dichloropropene
Concen: 21.122 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VD065485.D
Acq: 12 Mar 2020 11:51

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	135212		
110	36.4	18.1	54.1	
77	30.6	25.2	37.8	





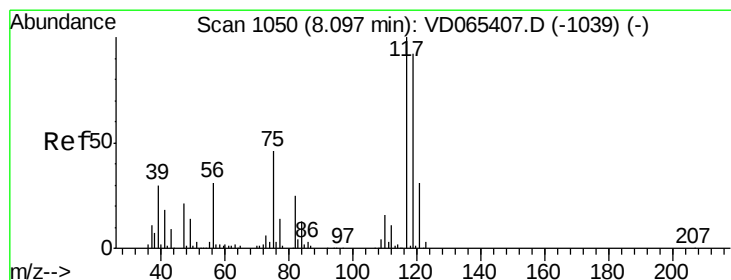
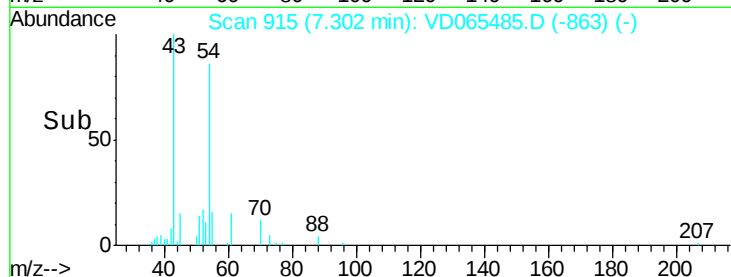
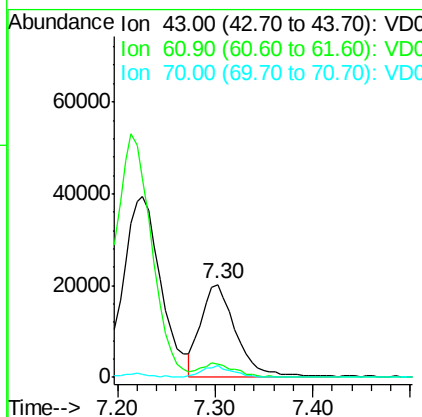
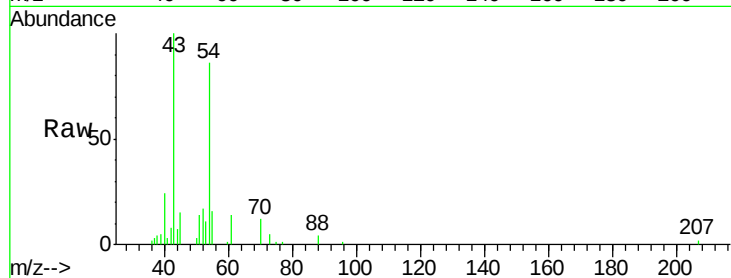
#37
Ethyl Acetate
Concen: 20.051 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD065485.D
Acq: 12 Mar 2020 11:51

Instrument :
MSVOA_D
ClientSampleId :
VD0312SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.0	11.4	17.0
70	11.2	9.0	13.4

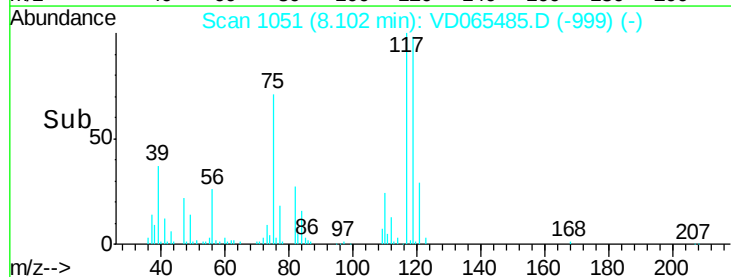
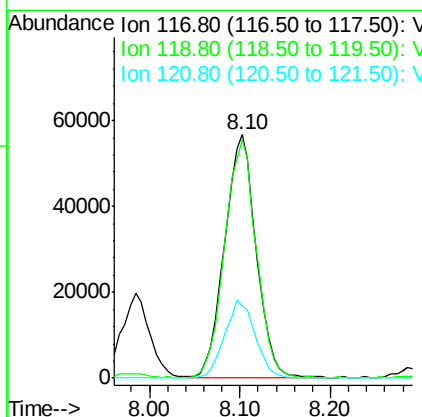
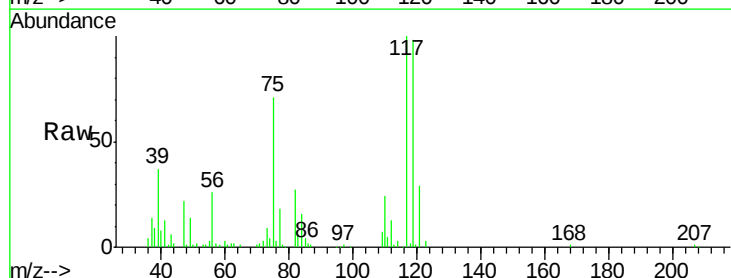
Manual Integrations
APPROVED

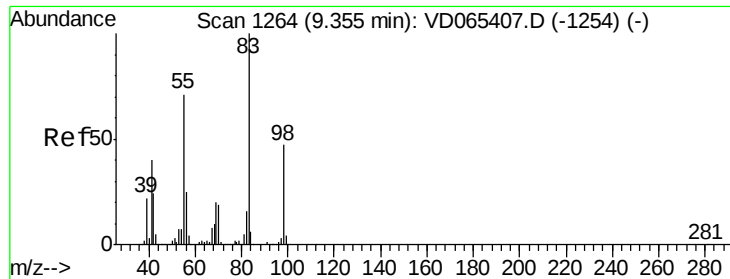
MMDadoda
3/16/2020 12:07:00 PM



#38
Carbon Tetrachloride
Concen: 20.788 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VD065485.D
Acq: 12 Mar 2020 11:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.7	73.3	109.9
121	29.4	25.0	37.4





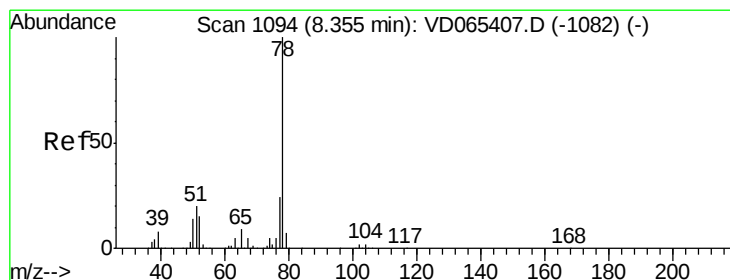
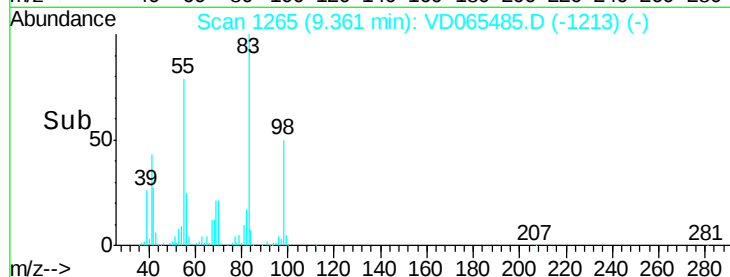
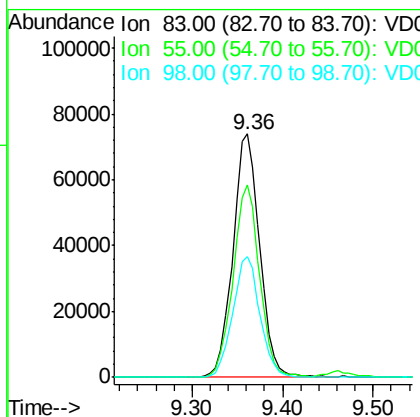
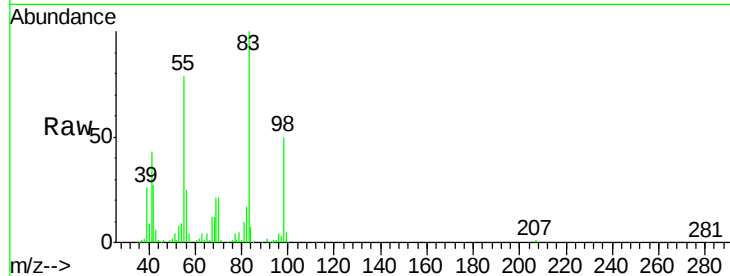
#39
Methvlcvclohexane
Concen: 19.647 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD065485.D
Acq: 12 Mar 2020 11:51

Instrument :
MSVOA_D
ClientSampleId :
VD0312SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.8	57.1	85.7
98	49.6	37.8	56.8

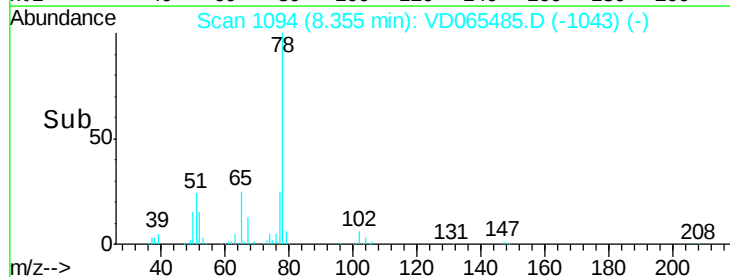
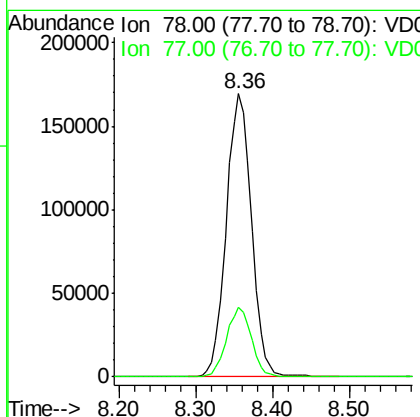
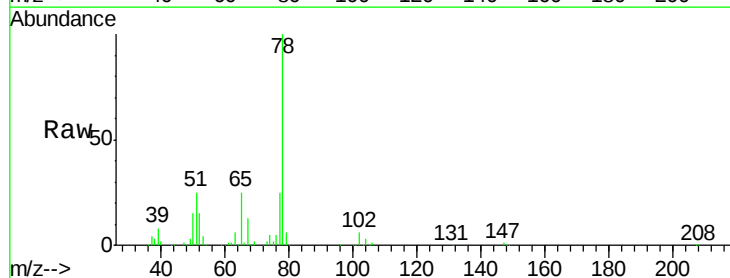
Manual Integrations
APPROVED

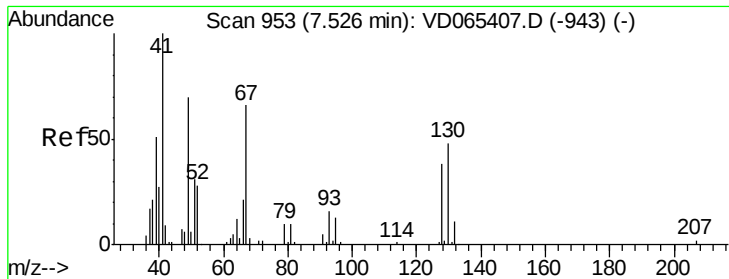
MMDadoda
3/16/2020 12:07:00 PM



#40
Benzene
Concen: 21.630 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065485.D
Acq: 12 Mar 2020 11:51

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.4	29.0





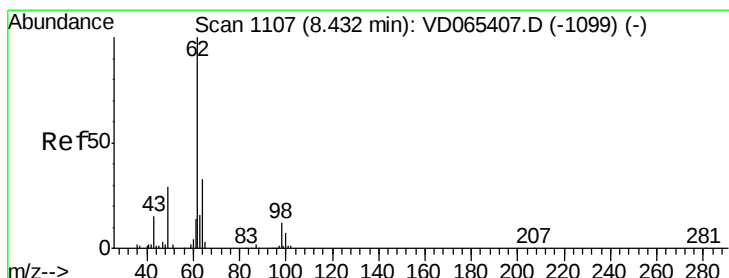
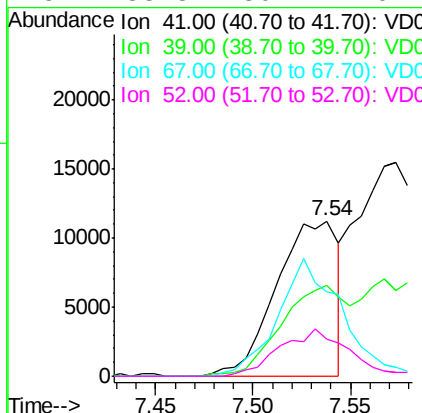
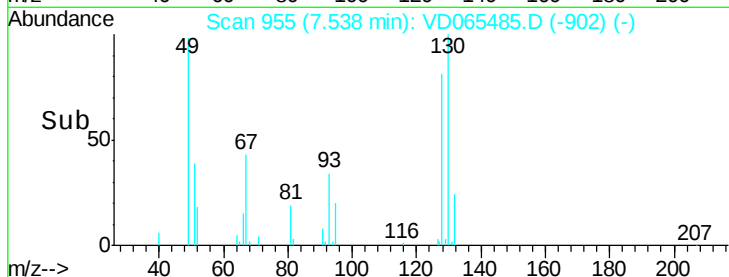
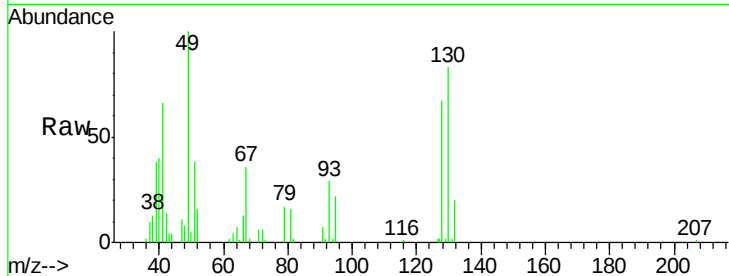
#41
Methacrylonitrile
Concen: 18.905 ug/l
RT: 7.54 min Scan# 955
Delta R.T. 0.01 min
Lab File: VD065485.D
Acq: 12 Mar 2020 11:51

Instrument :
MSVOA_D
ClientSampleId :
VD0312SBS01

Tot Ion:	41	Resp:	24738
Ion	Ratio	Lower	Upper
41	100		
39	62.0	55.0	82.6
67	78.2	70.3	105.5
52	33.8	30.7	46.1

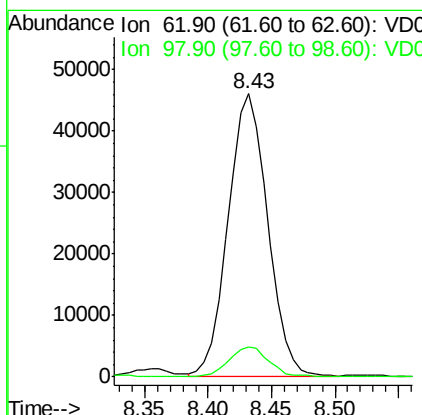
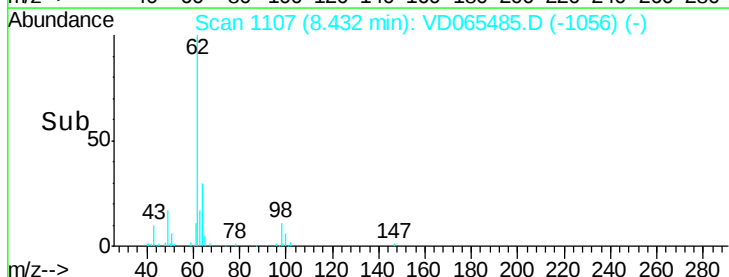
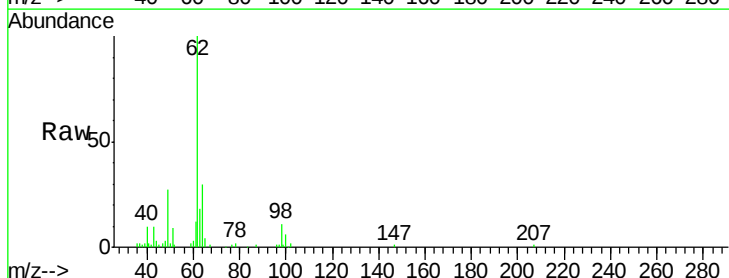
Manual Integrations
APPROVED

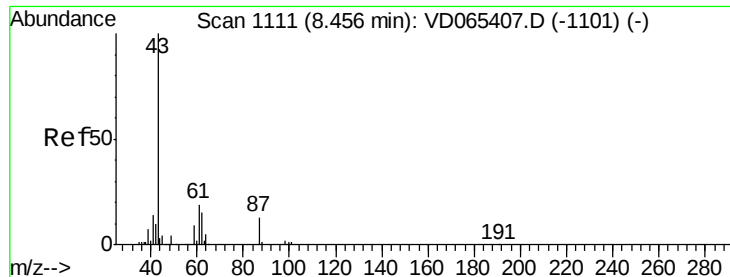
MMDadoda
3/16/2020 12:07:00 PM



#42
1,2-Dichloroethane
Concen: 21.247 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. -0.00 min
Lab File: VD065485.D
Acq: 12 Mar 2020 11:51

Tgt Ion:	62	Resp:	99305
Ion	Ratio	Lower	Upper
62	100		
98	10.8	0.0	21.4





#43

Isopropyl Acetate

Concen: 19.425 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD065485.D

Acq: 12 Mar 2020 11:51

Instrument :

MSVOA_D

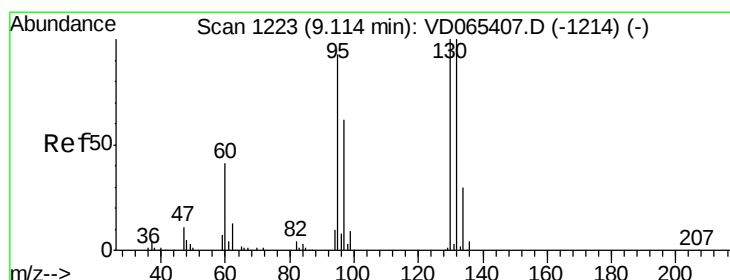
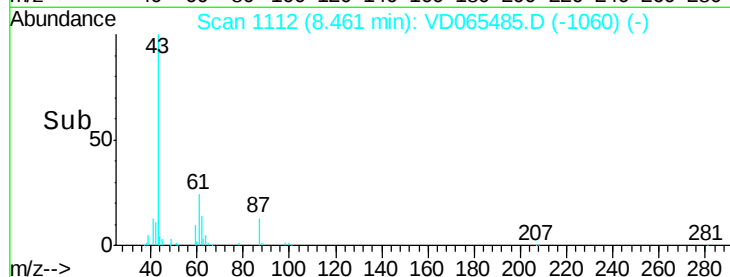
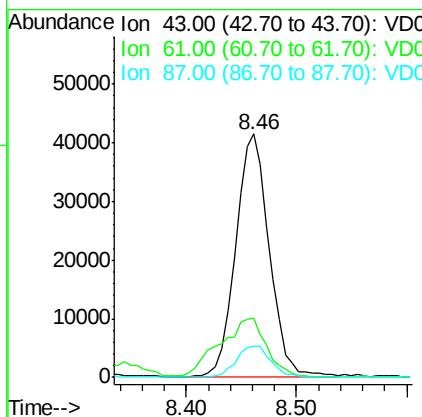
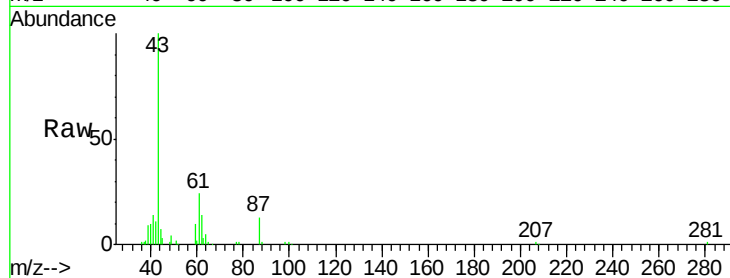
ClientSampleId :

VD0312SBS01

Tot Ion:	43	Resp:	88746
Ion	Ratio	Lower	Upper
43	100		
61	33.7	25.0	37.6
87	13.3	11.0	16.4

Manual Integrations
APPROVED

MMDadoda
3/16/2020 12:07:00 PM



#44

Trichloroethene

Concen: 21.008 ug/l

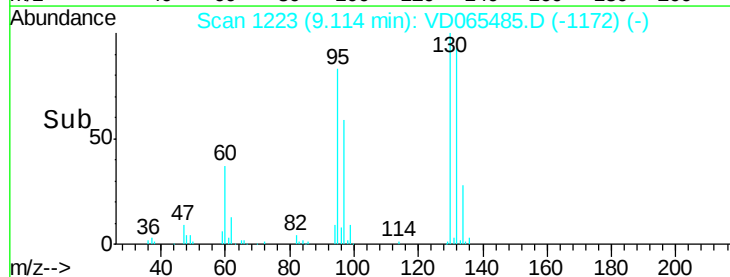
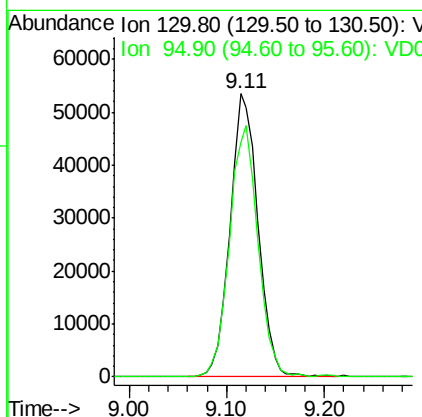
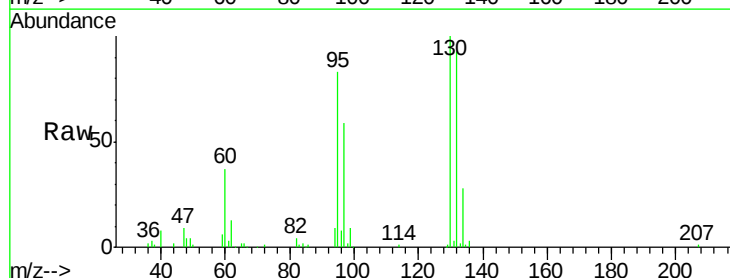
RT: 9.11 min Scan# 1223

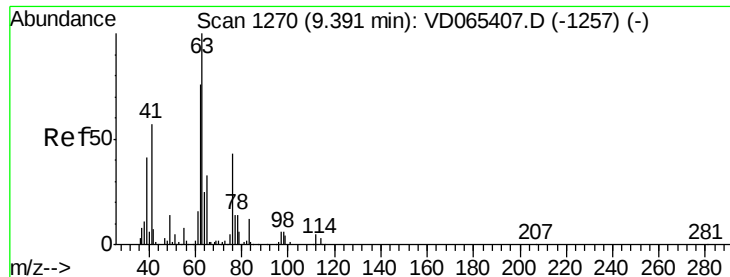
Delta R.T. -0.00 min

Lab File: VD065485.D

Acq: 12 Mar 2020 11:51

Tgt Ion:	130	Resp:	106189
Ion	Ratio	Lower	Upper
130	100		
95	82.9	0.0	186.0





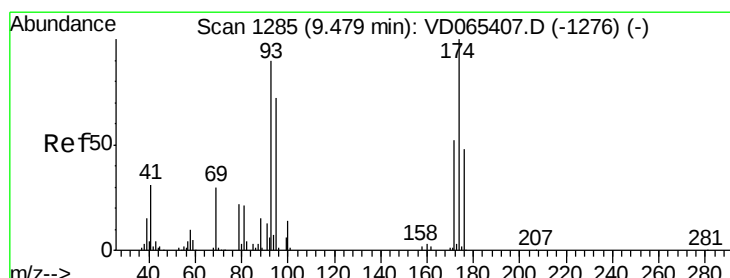
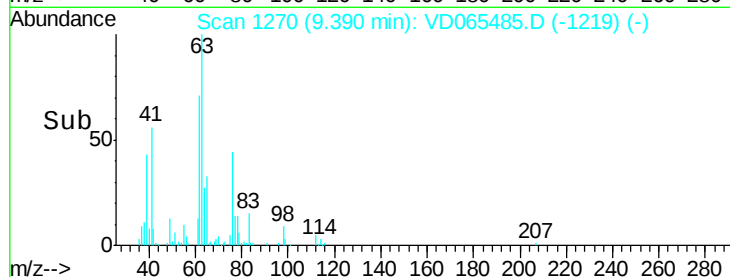
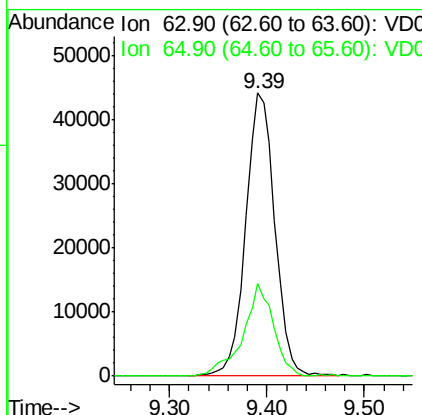
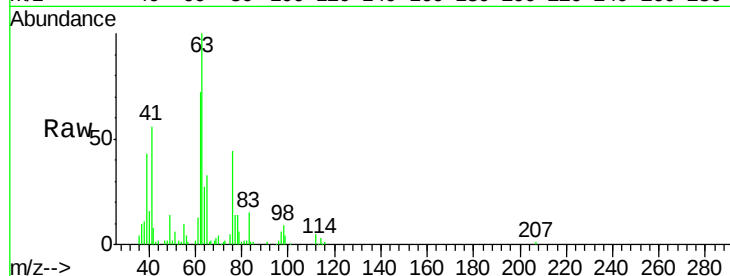
#45
 1,2-Dichloropropane
 Concen: 21.362 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD065485.D
 Acq: 12 Mar 2020 11:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0312SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.6	26.4	39.6

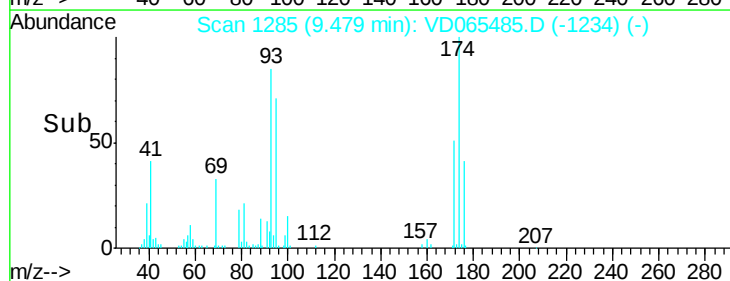
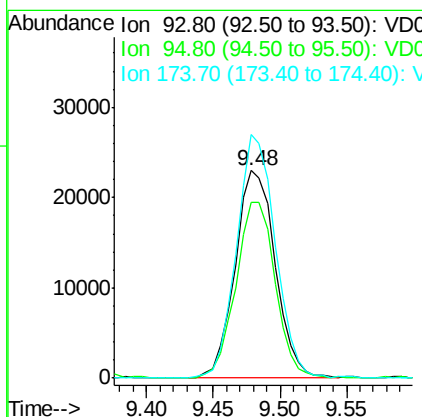
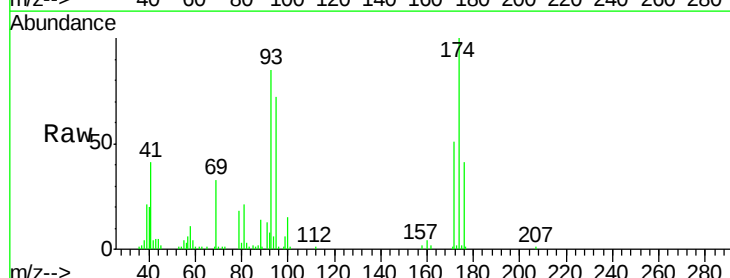
Manual Integrations
 APPROVED

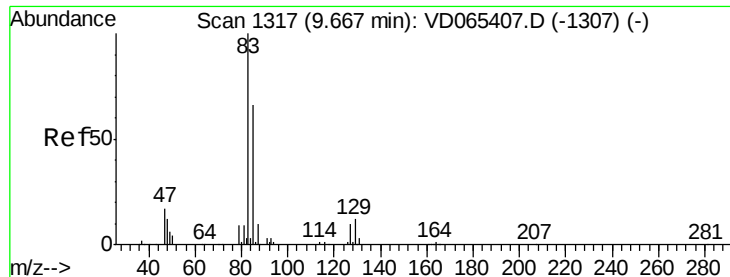
MMDadoda
 3/16/2020 12:07:00 PM



#46
 Dibromomethane
 Concen: 21.300 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD065485.D
 Acq: 12 Mar 2020 11:51

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.4	65.0	97.6
174	113.3	88.3	132.5





#47

Bromodichloromethane

Concen: 21.245 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065485.D

Acq: 12 Mar 2020 11:51

Instrument :

MSVOA_D

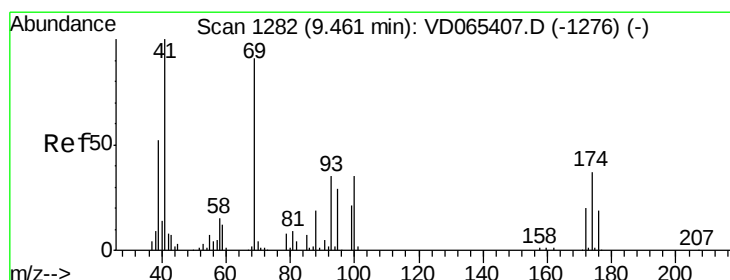
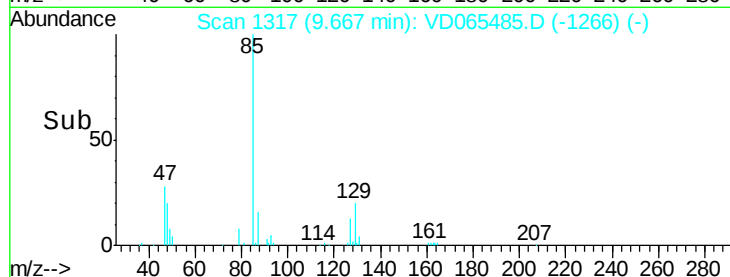
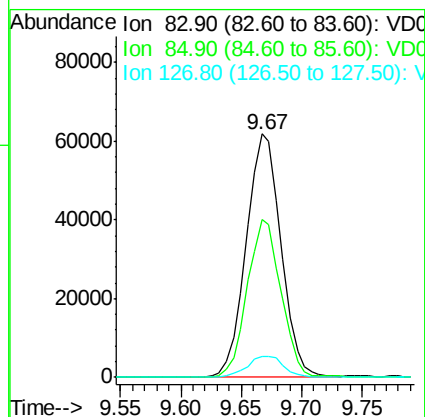
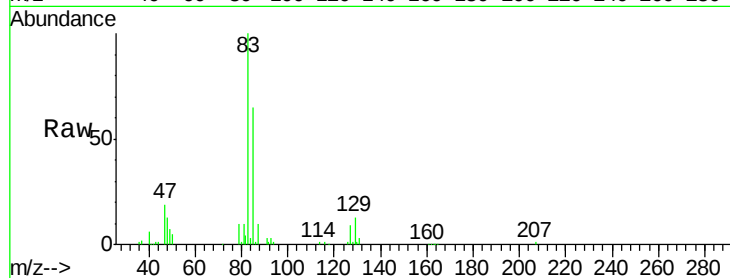
ClientSampleId :

VD0312SBS01

Tot Ion:	83	Resp:	124300
Ion	Ratio	Lower	Upper
83	100		
85	65.0	52.8	79.2
127	8.7	8.0	12.0

Manual Integrations
APPROVED

MMDadoda
3/16/2020 12:07:00 PM



#48

Methyl methacrylate

Concen: 18.957 ug/l m

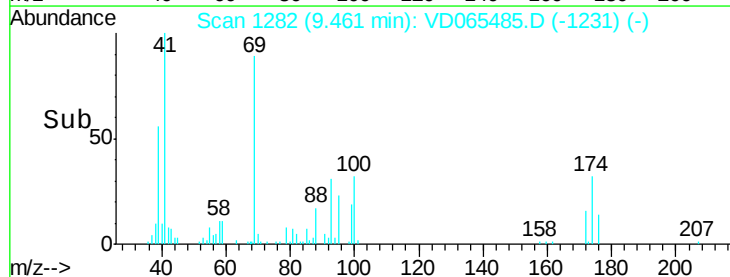
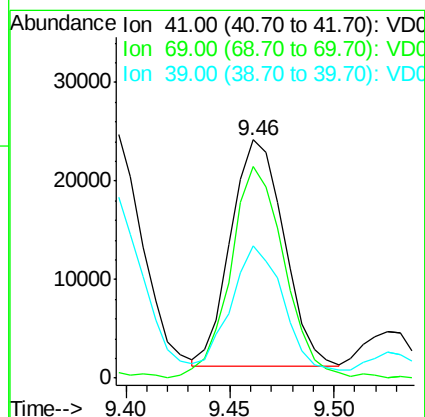
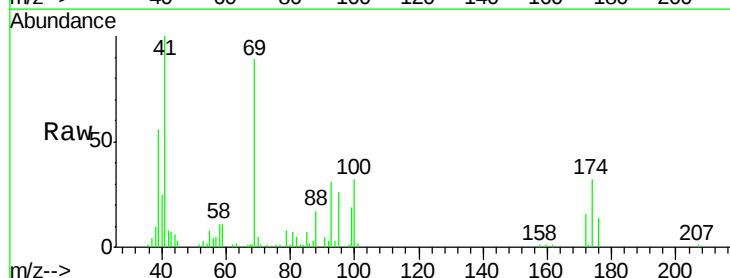
RT: 9.46 min Scan# 1282

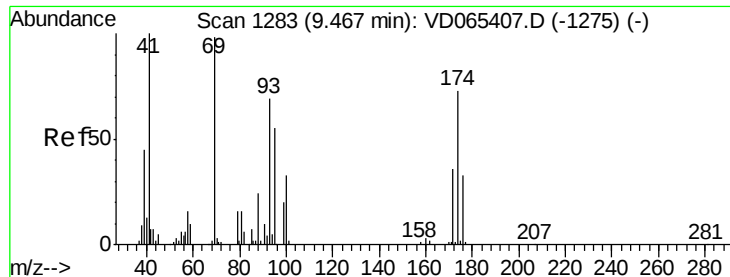
Delta R.T. -0.00 min

Lab File: VD065485.D

Acq: 12 Mar 2020 11:51

Tgt Ion:	41	Resp:	40739
Ion	Ratio	Lower	Upper
41	100		
69	95.5	72.5	108.7
39	53.0	41.6	62.4





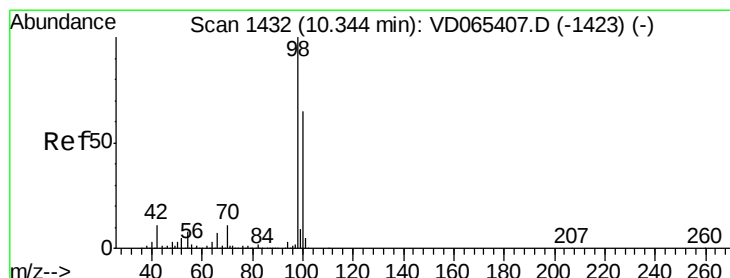
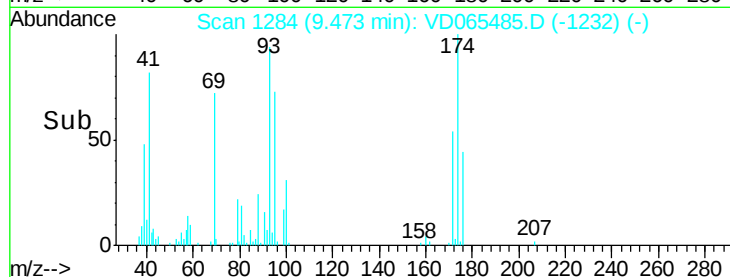
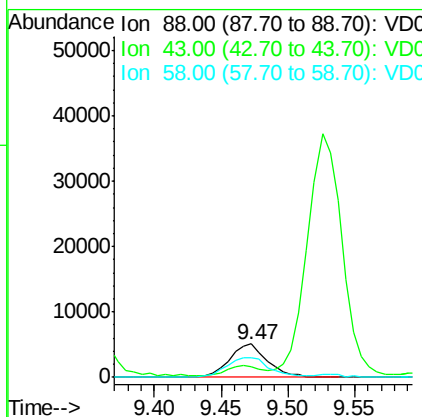
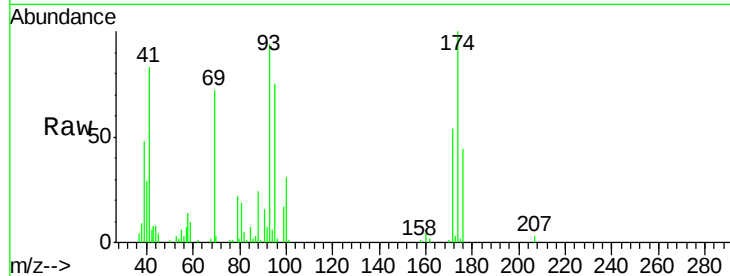
#49
1,4-Dioxane
Concen: 391.808 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD065485.D
Acq: 12 Mar 2020 11:51

Instrument :
MSVOA_D
ClientSampleId :
VD0312SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.4	24.5	36.7
58	68.4	54.5	81.7

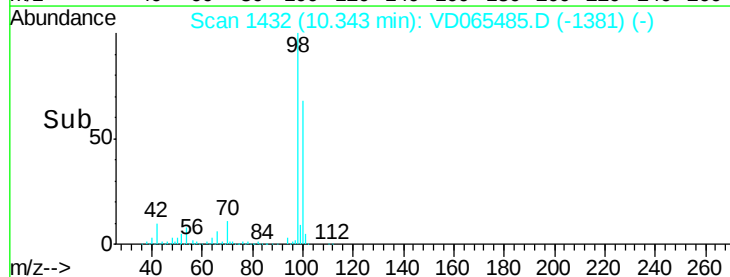
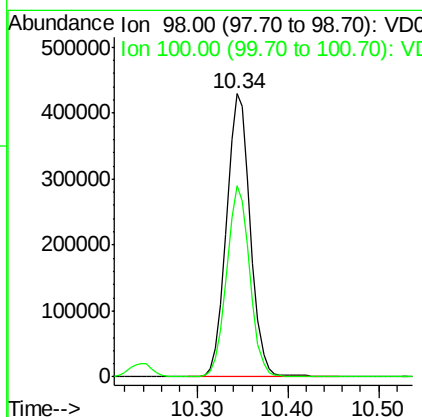
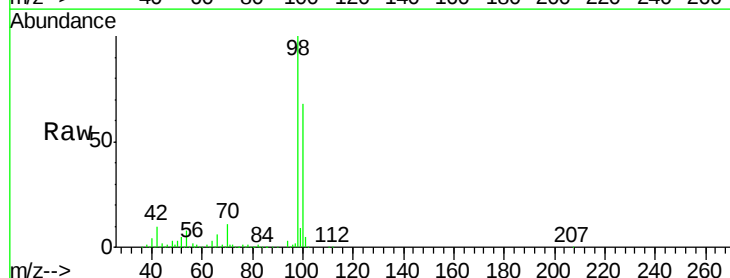
Manual Integrations
APPROVED

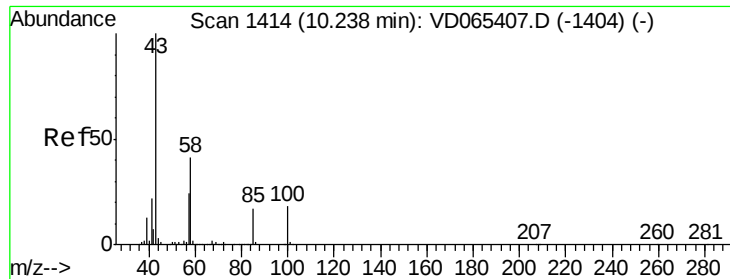
MMDadoda
3/16/2020 12:07:00 PM



#50
Toluene-d8
Concen: 49.352 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065485.D
Acq: 12 Mar 2020 11:51

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.8	52.8	79.2





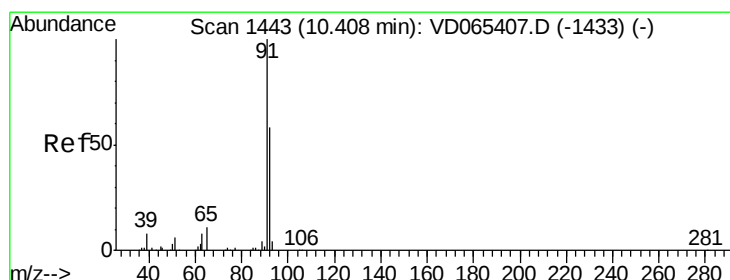
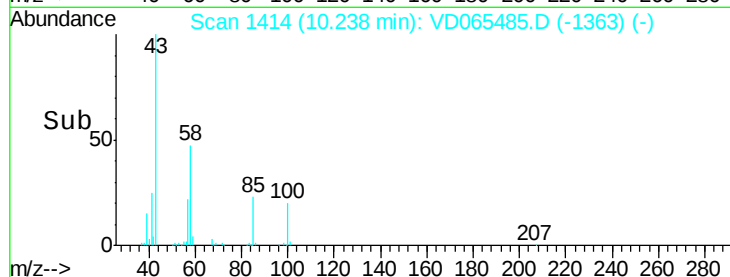
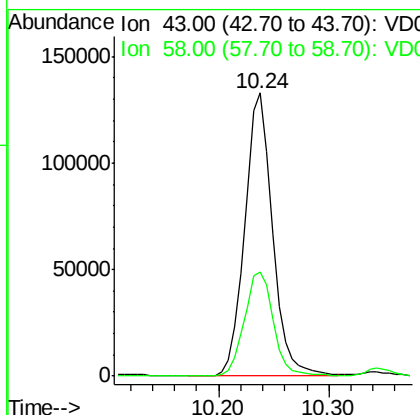
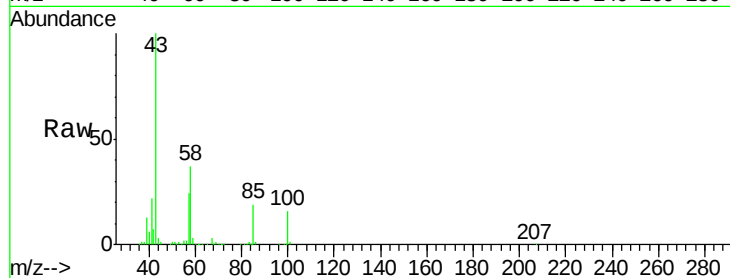
#51
4-Methyl-2-Pentanone
Concen: 102.943 ug/l
RT: 10.24 min Scan# 1414
Delta R.T. -0.00 min
Lab File: VD065485.D
Acq: 12 Mar 2020 11:51

Instrument :
MSVOA_D
ClientSampleId :
VD0312SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.2	31.8	47.6

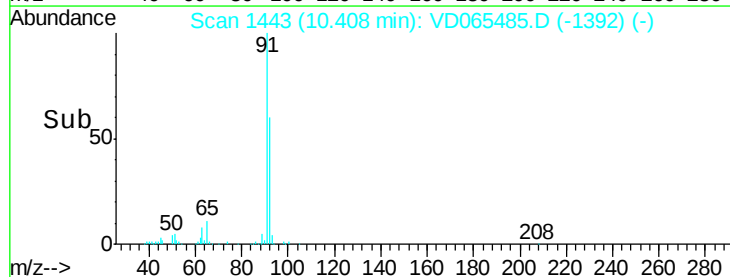
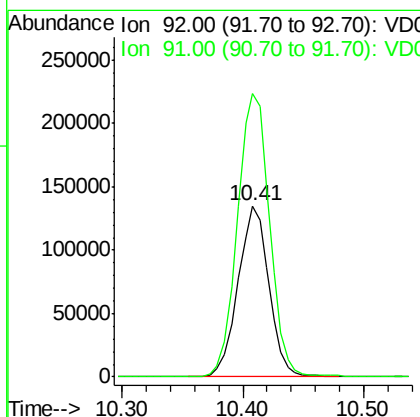
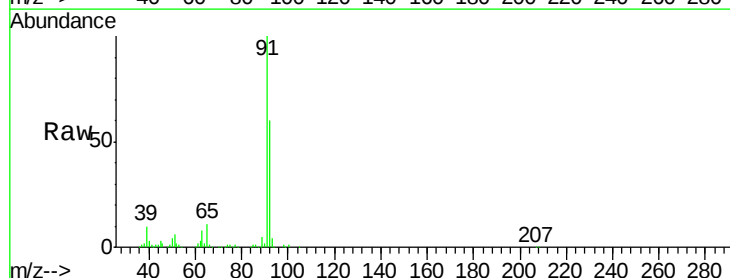
Manual Integrations
APPROVED

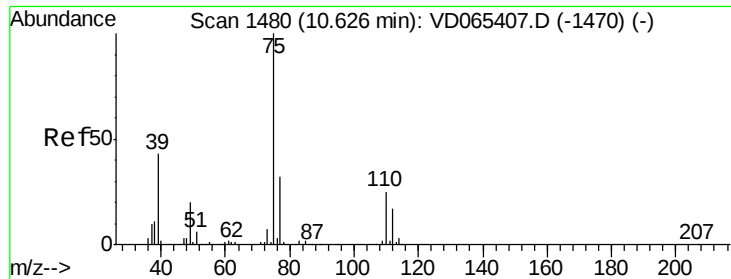
MMDadoda
3/16/2020 12:07:00 PM



#52
Toluene
Concen: 21.353 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VD065485.D
Acq: 12 Mar 2020 11:51

Tgt Ion	Ratio	Lower	Upper
92	100		
91	173.3	137.8	206.8





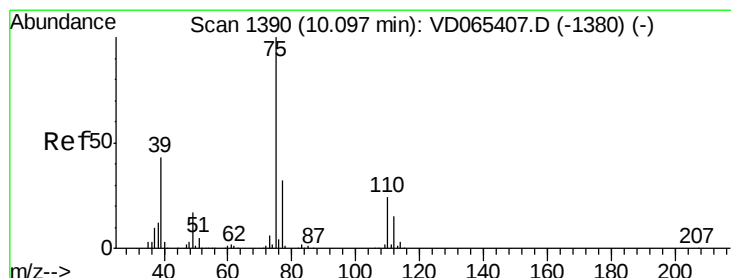
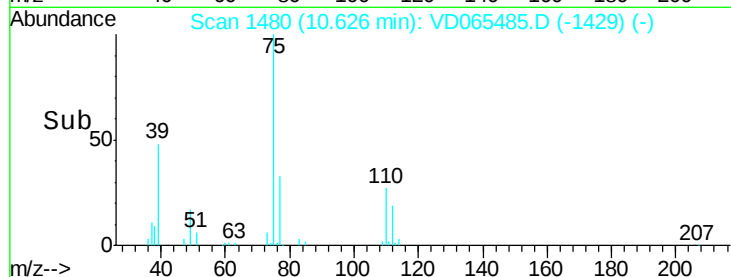
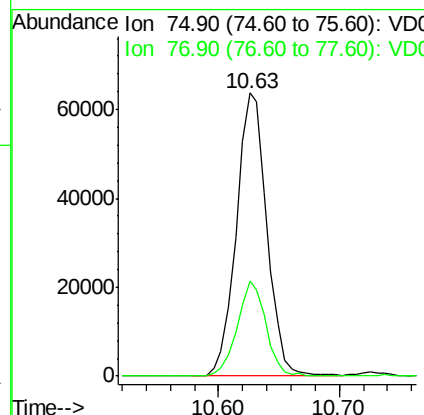
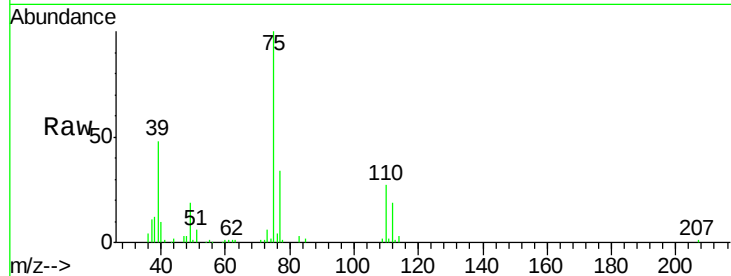
#53
 t-1,3-Dichloropropene
 Concen: 20.470 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. -0.00 min
 Lab File: VD065485.D
 Acq: 12 Mar 2020 11:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0312SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.7	25.4	38.2

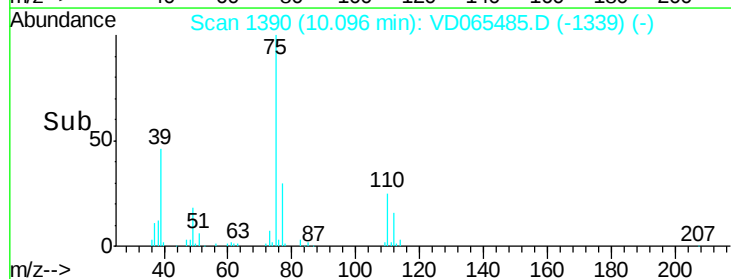
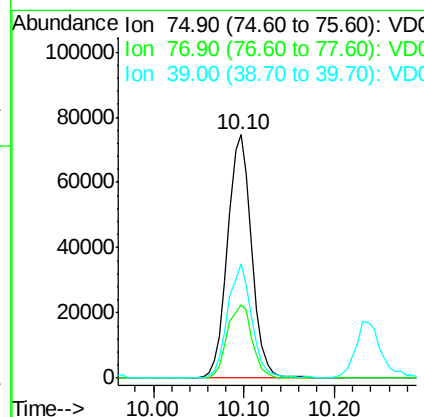
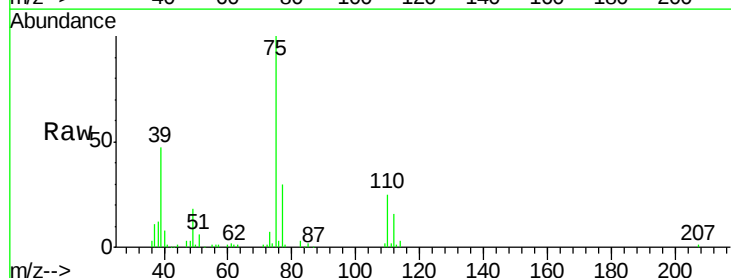
Manual Integrations
 APPROVED

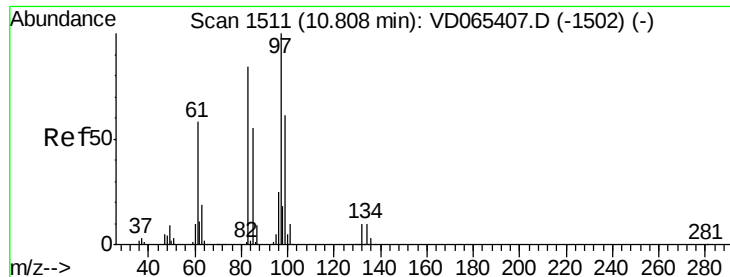
MMDadoda
 3/16/2020 12:07:00 PM



#54
 cis-1,3-Dichloropropene
 Concen: 20.775 ug/l
 RT: 10.10 min Scan# 1390
 Delta R.T. -0.00 min
 Lab File: VD065485.D
 Acq: 12 Mar 2020 11:51

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.1	25.3	37.9
39	46.5	34.6	52.0





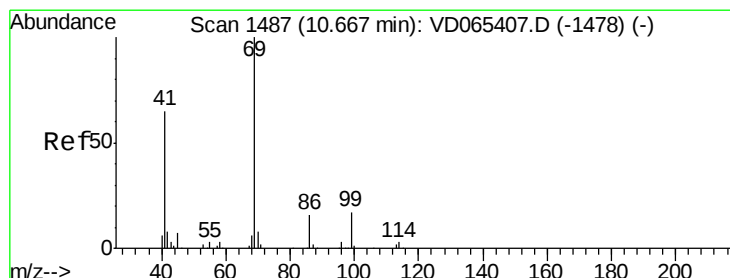
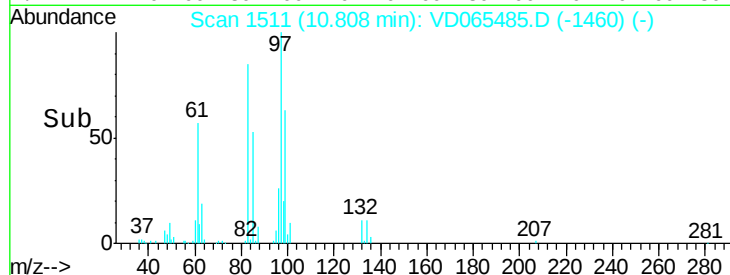
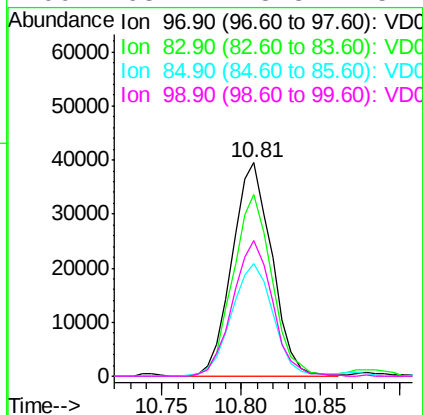
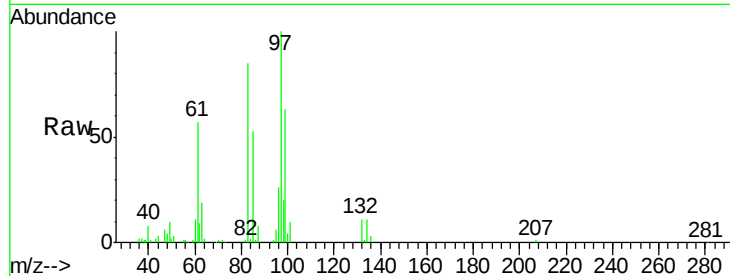
#55
 1,1,2-Trichloroethane
 Concen: 21.636 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. -0.00 min
 Lab File: VD065485.D
 Acq: 12 Mar 2020 11:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0312SBS01

Tot Ion:	97	Resp:	68917
Ion	Ratio	Lower	Upper
97	100		
83	85.0	67.4	101.0
85	52.5	43.8	65.8
99	63.4	48.8	73.2

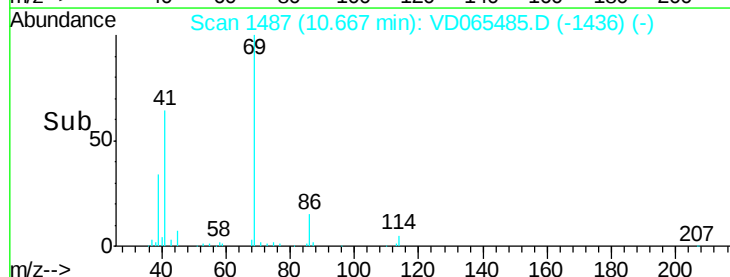
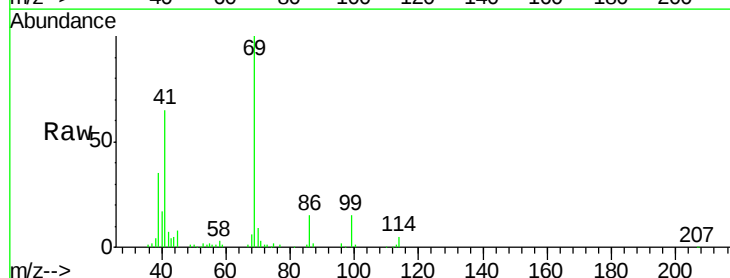
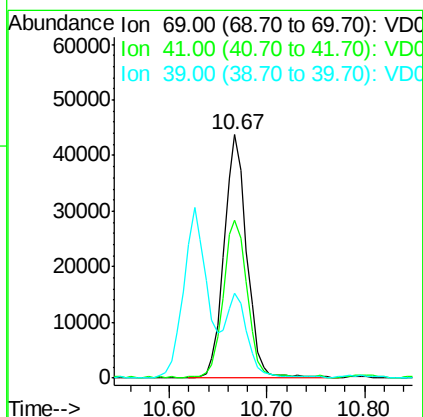
Manual Integrations
 APPROVED

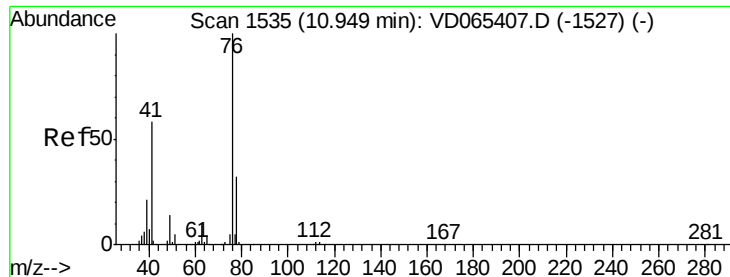
MMDadoda
 3/16/2020 12:07:00 PM



#56
 Ethyl methacrylate
 Concen: 19.638 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065485.D
 Acq: 12 Mar 2020 11:51

Tgt Ion:	69	Resp:	70519
Ion	Ratio	Lower	Upper
69	100		
41	68.4	53.0	79.6
39	32.6	26.0	39.0





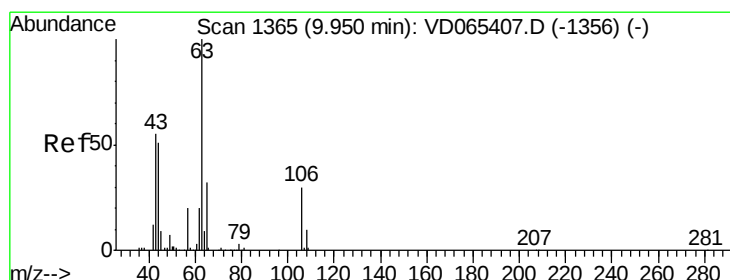
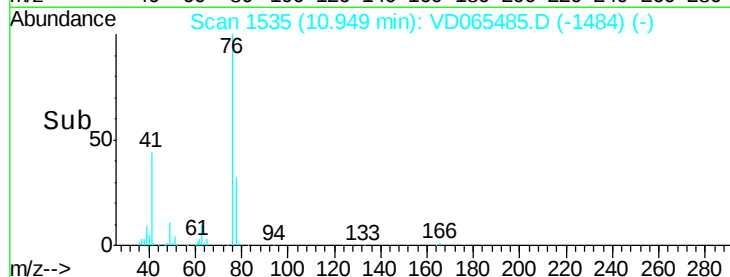
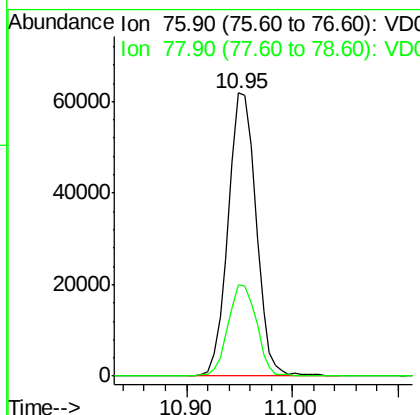
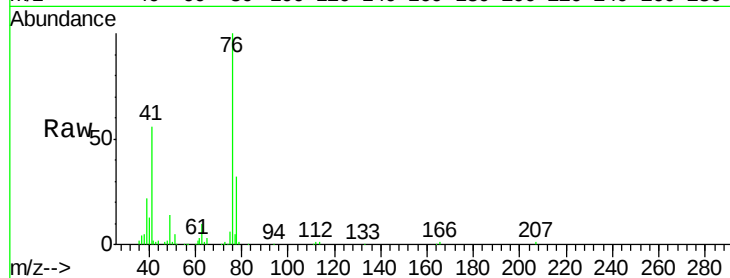
#57
 1,3-Dichloropropane
 Concen: 20.997 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD065485.D
 Acq: 12 Mar 2020 11:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0312SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.1	26.0	39.0

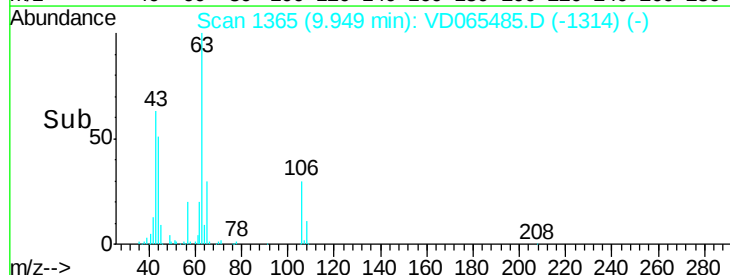
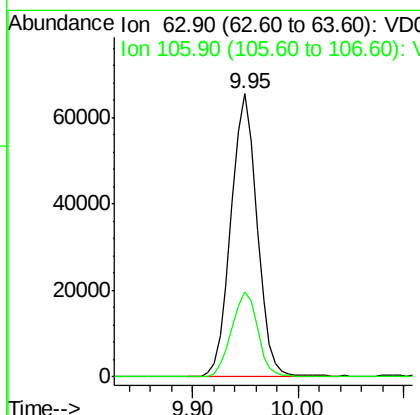
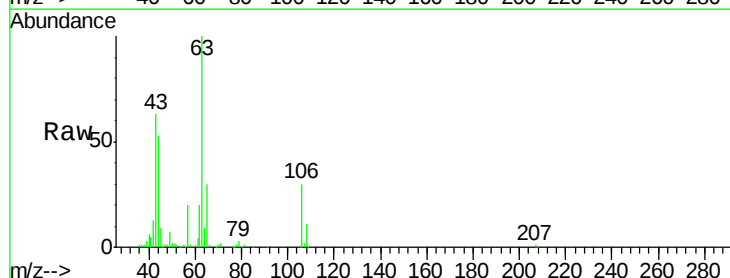
Manual Integrations
 APPROVED

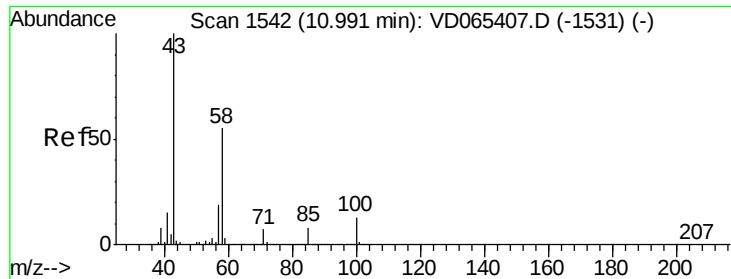
MMDadoda
 3/16/2020 12:07:00 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 101.459 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VD065485.D
 Acq: 12 Mar 2020 11:51

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.8	23.3	34.9





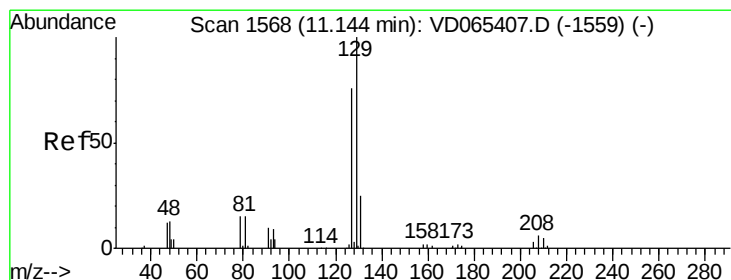
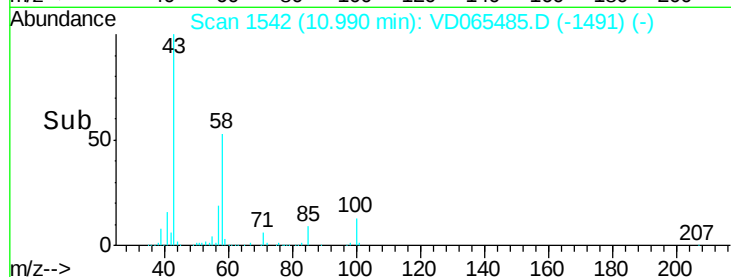
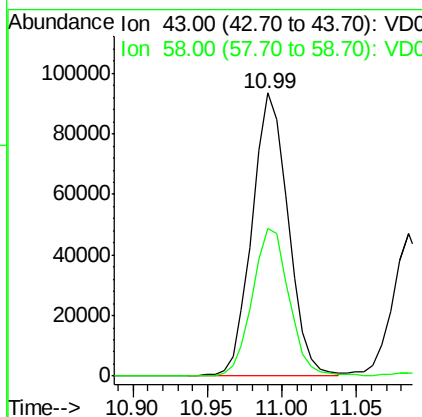
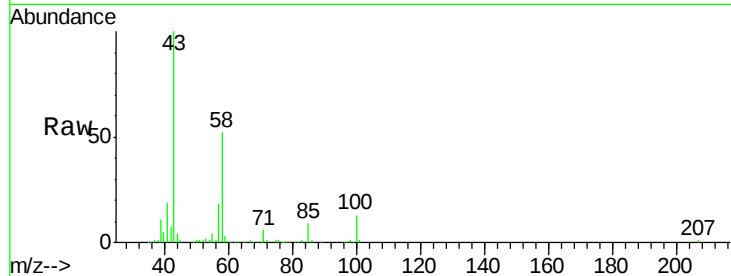
#59
2-Hexanone
Concen: 98.482 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065485.D
Acq: 12 Mar 2020 11:51

Instrument :
MSVOA_D
ClientSampleId :
VD0312SBS01

Tot Ion: 43 Resp: 156734
Ion Ratio Lower Upper
43 100
58 52.9 27.4 82.2

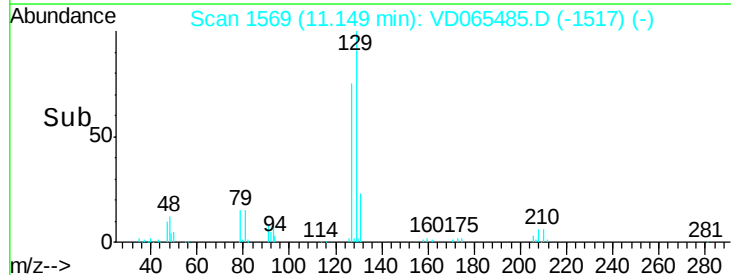
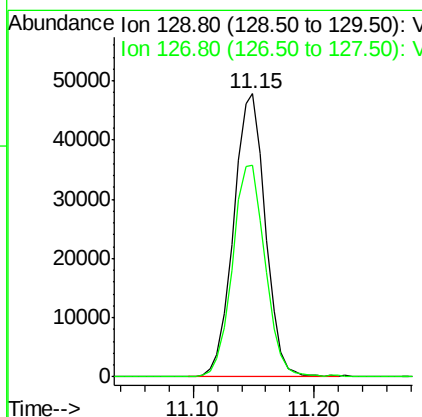
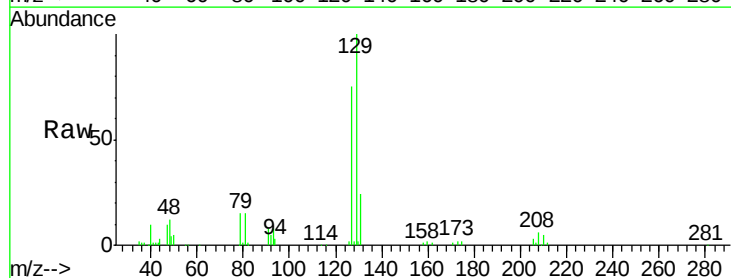
Manual Integrations
APPROVED

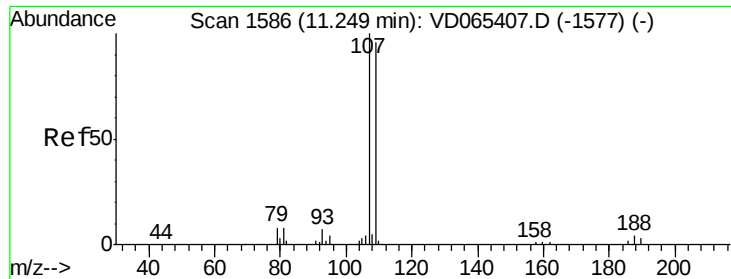
MMDadoda
3/16/2020 12:07:00 PM



#60
Dibromochloromethane
Concen: 21.482 ug/l
RT: 11.15 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VD065485.D
Acq: 12 Mar 2020 11:51

Tgt Ion: 129 Resp: 87709
Ion Ratio Lower Upper
129 100
127 76.7 38.5 115.5





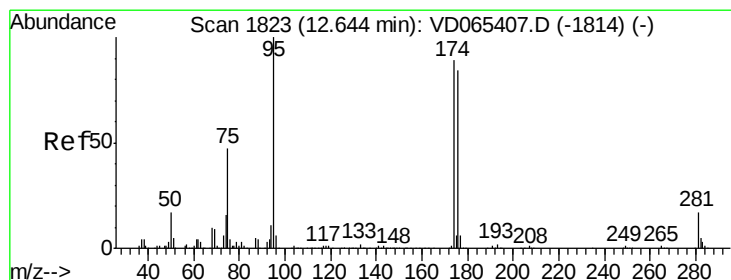
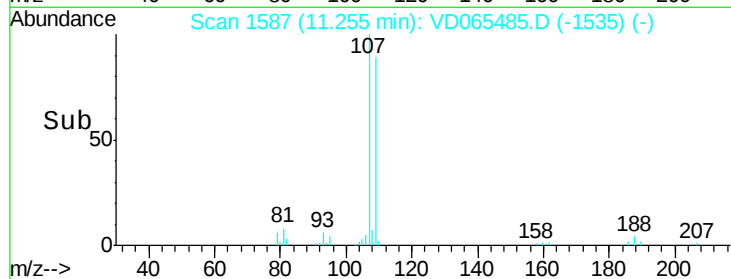
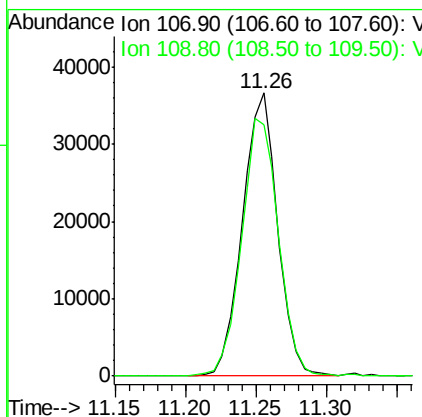
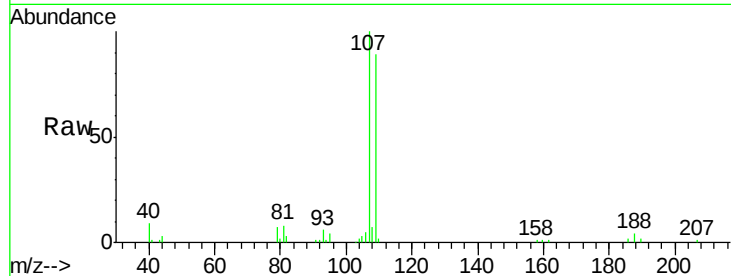
#61
1,2-Dibromoethane
Concen: 21.027 ug/l
RT: 11.26 min Scan# 1587
Delta R.T. 0.01 min
Lab File: VD065485.D
Acq: 12 Mar 2020 11:51

Instrument :
MSVOA_D
ClientSampleId :
VD0312SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.5	76.8	115.2

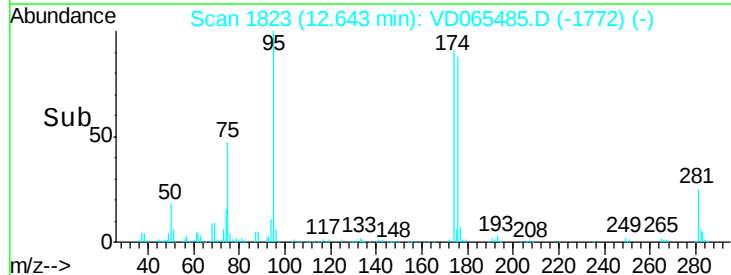
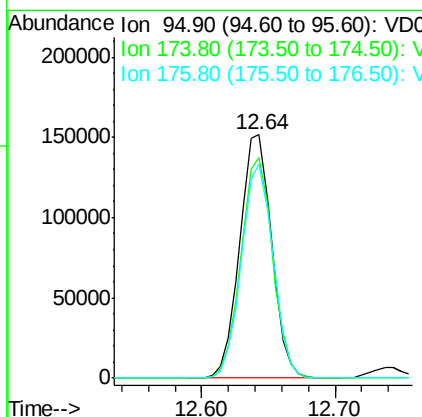
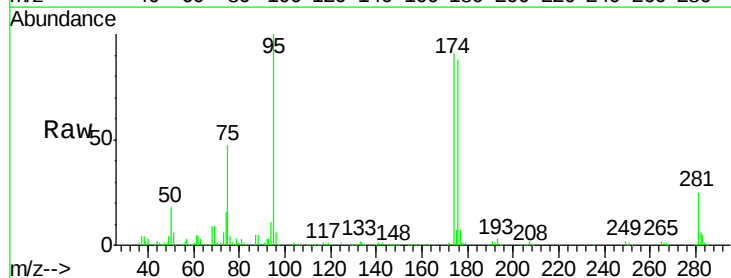
Manual Integrations
APPROVED

MMDadoda
3/16/2020 12:07:00 PM



#62
4-Bromofluorobenzene
Concen: 51.253 ug/l
RT: 12.64 min Scan# 1823
Delta R.T. -0.00 min
Lab File: VD065485.D
Acq: 12 Mar 2020 11:51

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.9	0.0	176.8
176	87.0	0.0	171.4





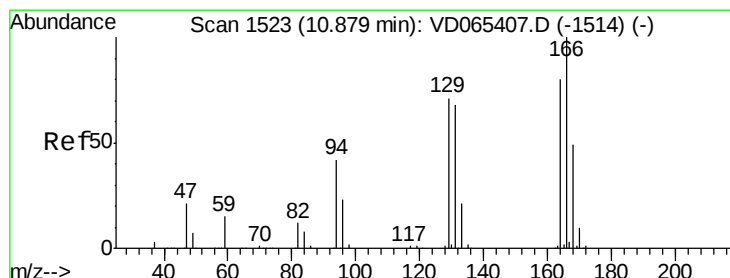
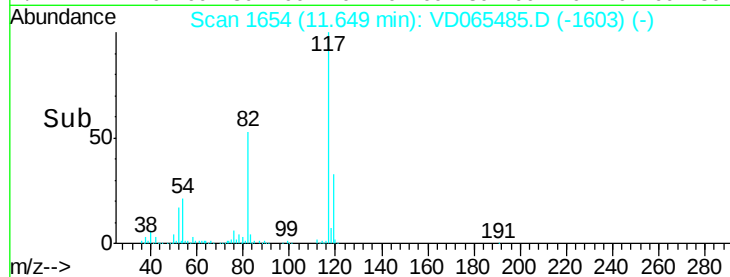
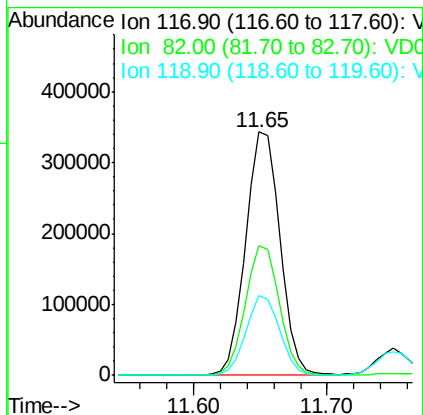
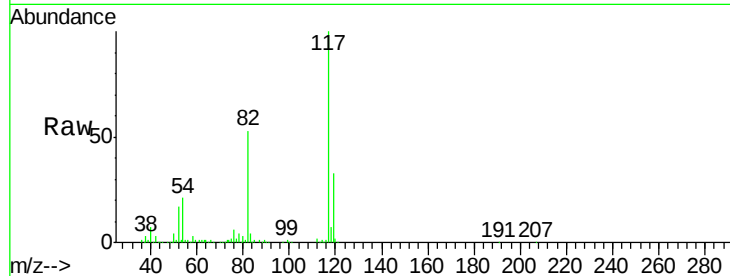
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065485.D
Acq: 12 Mar 2020 11:51

Instrument :
MSVOA_D
ClientSampleId :
VD0312SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	609832		
82	53.1		40.6	60.8
119	33.0		25.4	38.2

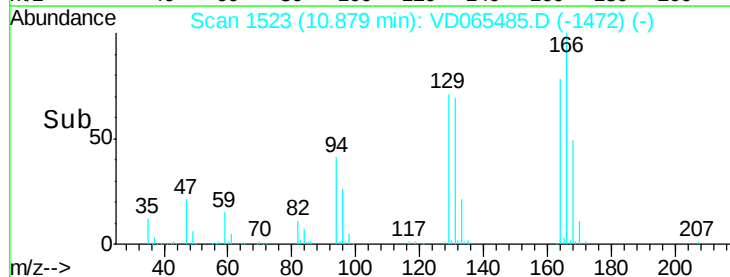
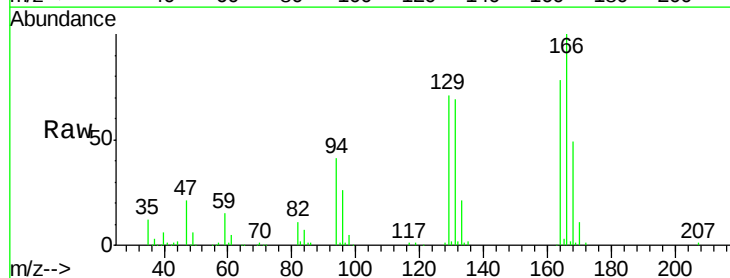
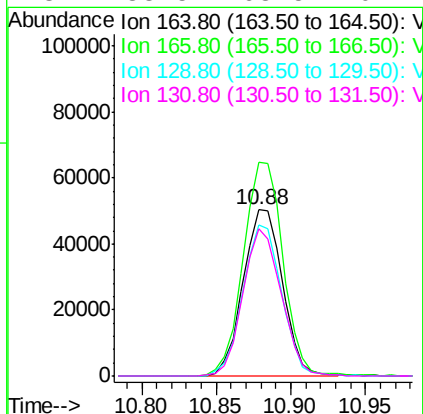
Manual Integrations
APPROVED

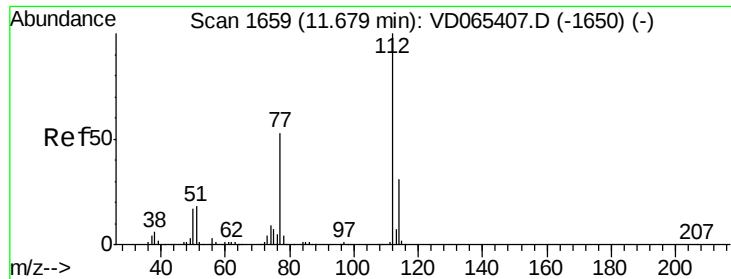
MMDadoda
3/16/2020 12:07:00 PM



#64
Tetrachloroethene
Concen: 21.048 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065485.D
Acq: 12 Mar 2020 11:51

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	91976		
166	128.7		100.5	150.7
129	91.1		71.5	107.3
131	88.5		68.5	102.7





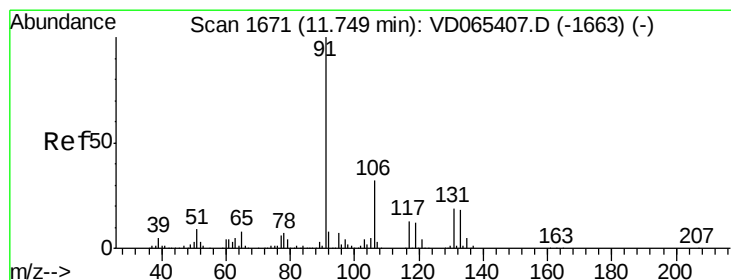
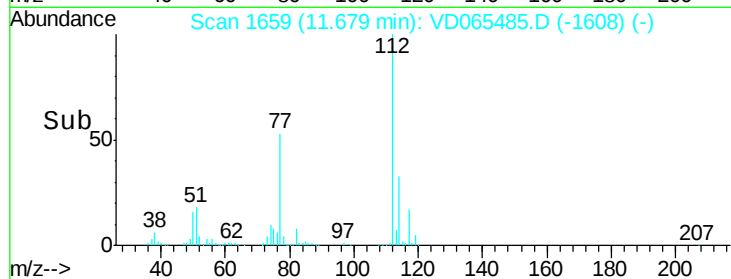
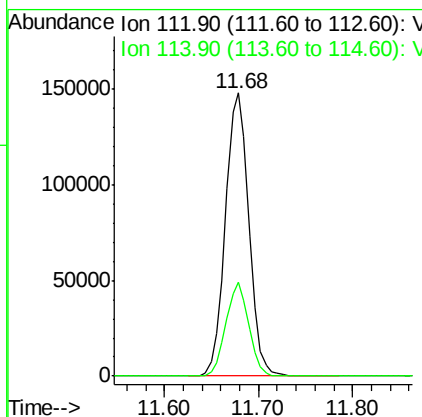
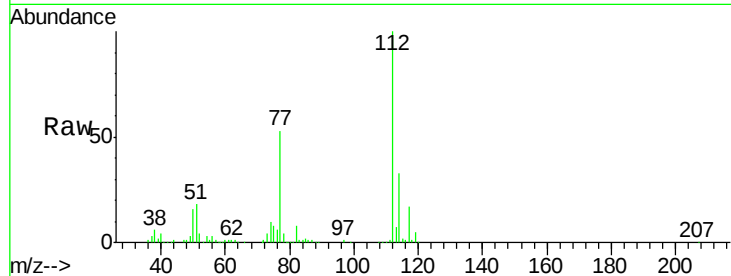
#65
Chlorobenzene
Concen: 21.229 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VD065485.D
Acq: 12 Mar 2020 11:51

Instrument :
MSVOA_D
ClientSampleId :
VD0312SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.1	24.4	36.6

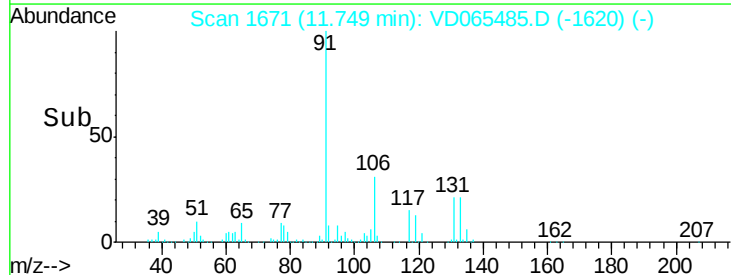
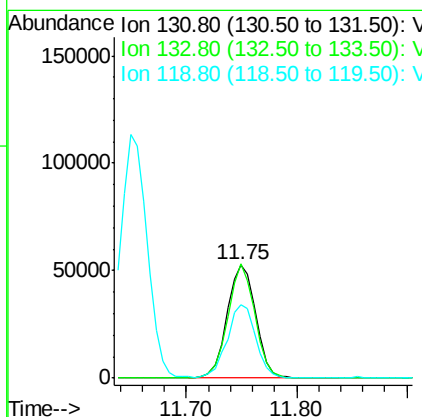
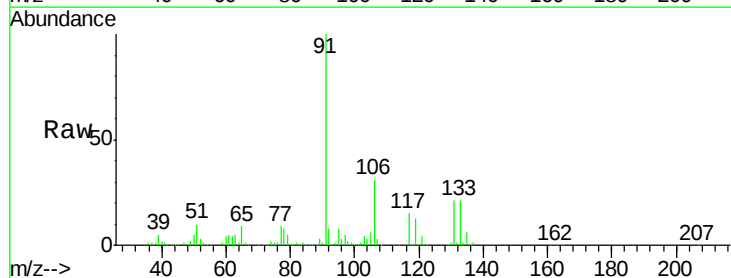
Manual Integrations
APPROVED

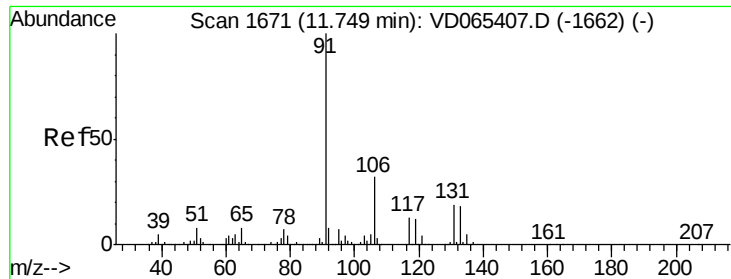
MMDadoda
3/16/2020 12:07:00 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.792 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065485.D
Acq: 12 Mar 2020 11:51

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.1	49.2	147.6
119	65.0	33.3	99.8





#67

Ethyl Benzene

Concen: 20.497 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065485.D

Acq: 12 Mar 2020 11:51

Instrument :

MSVOA_D

ClientSampleId :

VD0312SBS01

Tot Ion: 91 Resp: 427397

Ion Ratio Lower Upper

91 100

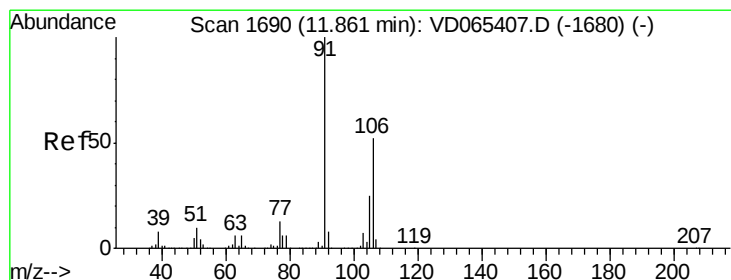
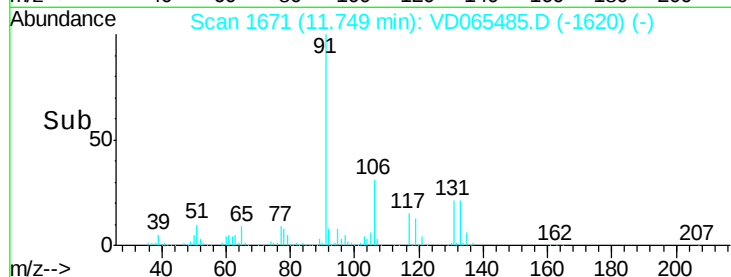
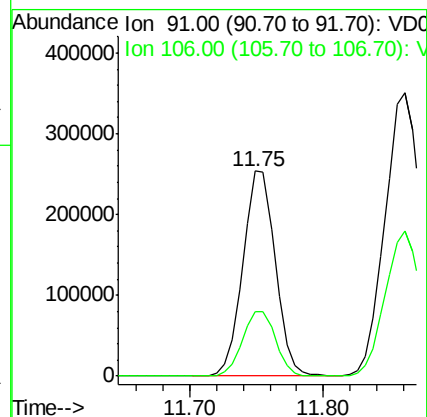
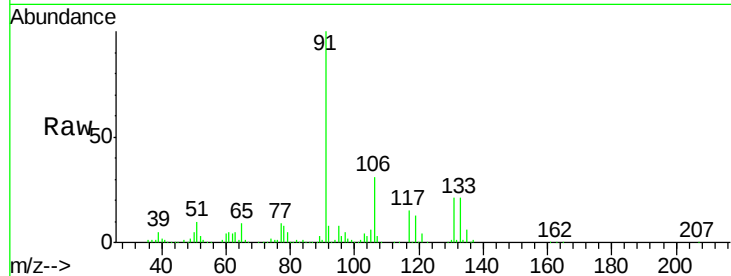
106 31.3 25.2 37.8

Manual Integrations

APPROVED

MMDadoda

3/16/2020 12:07:00 PM



#68

m/p-Xylenes

Concen: 42.468 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VD065485.D

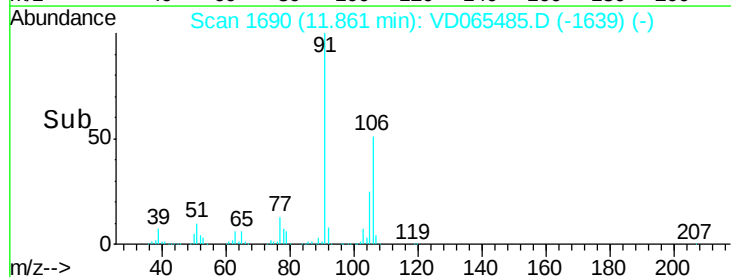
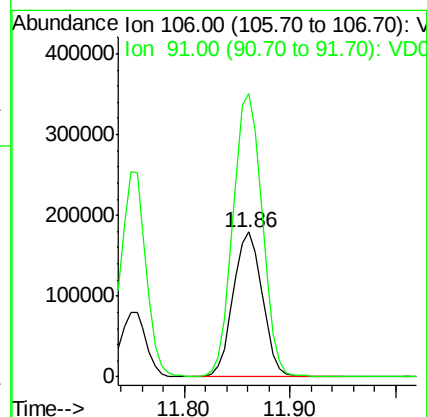
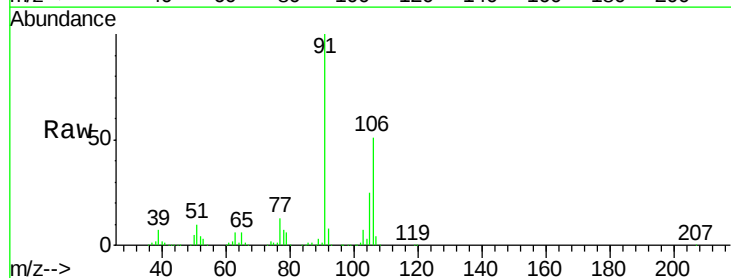
Acq: 12 Mar 2020 11:51

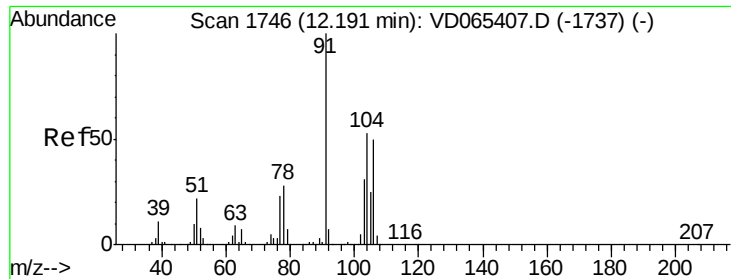
Tgt Ion: 106 Resp: 341453

Ion Ratio Lower Upper

106 100

91 196.9 155.9 233.9





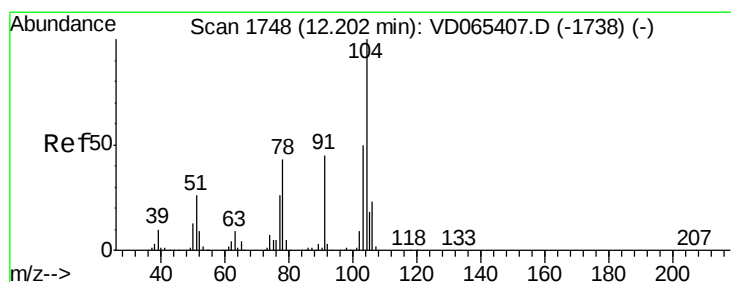
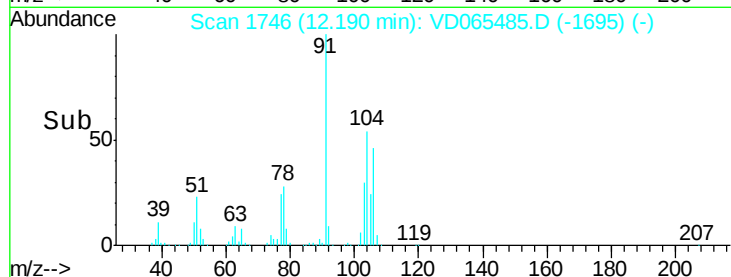
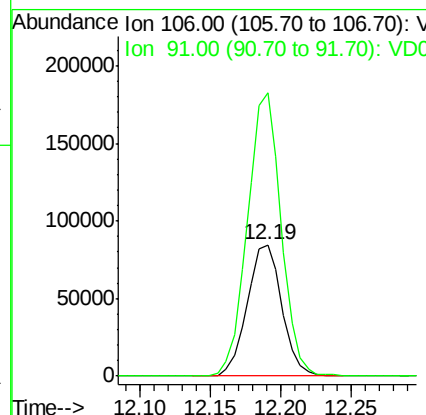
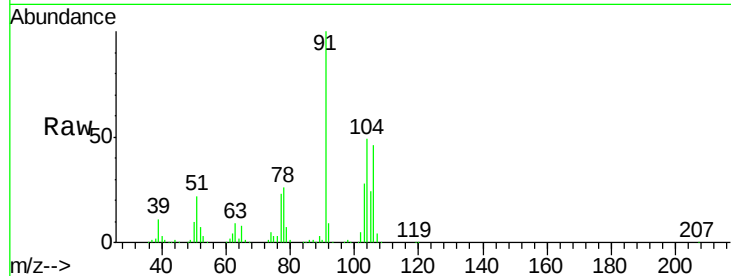
#69
o-Xylene
Concen: 20.608 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. -0.00 min
Lab File: VD065485.D
Acq: 12 Mar 2020 11:51

Instrument :
MSVOA_D
ClientSampleId :
VD0312SBS01

Tot Ion	Ratio	Resp	Lower	Upper
106	100	145747		
91	209.4	103.5	310.3	

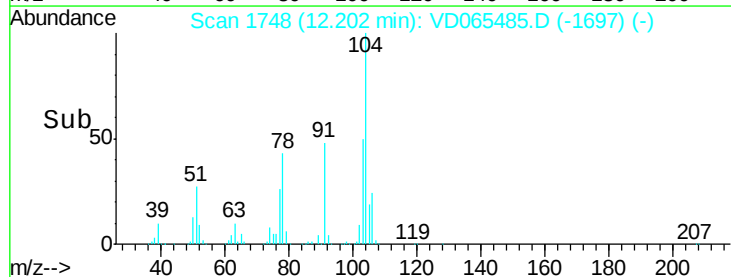
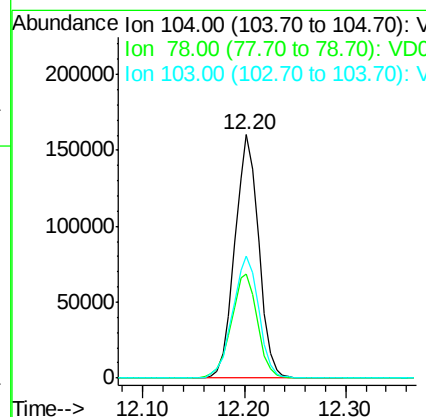
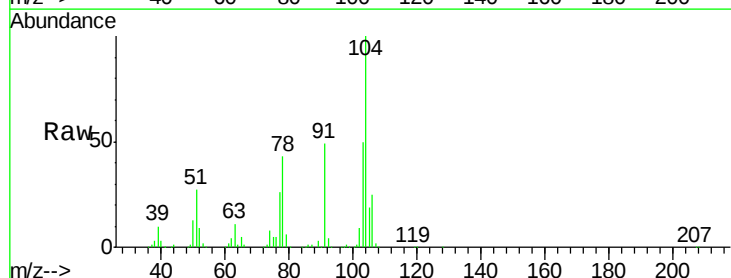
Manual Integrations
APPROVED

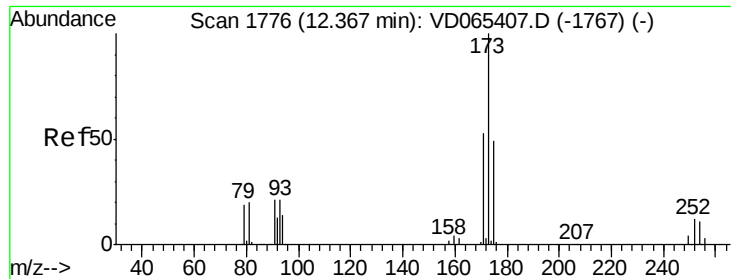
MMDadoda
3/16/2020 12:07:00 PM



#70
Styrene
Concen: 21.038 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065485.D
Acq: 12 Mar 2020 11:51

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	261863		
78	46.7	37.7	56.5	
103	54.7	43.6	65.4	





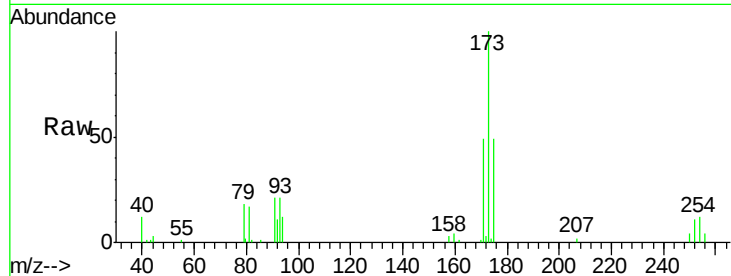
#71
Bromoform
Concen: 21.311 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD065485.D
Acq: 12 Mar 2020 11:51

Instrument :
MSVOA_D
ClientSampleId :
VD0312SBS01

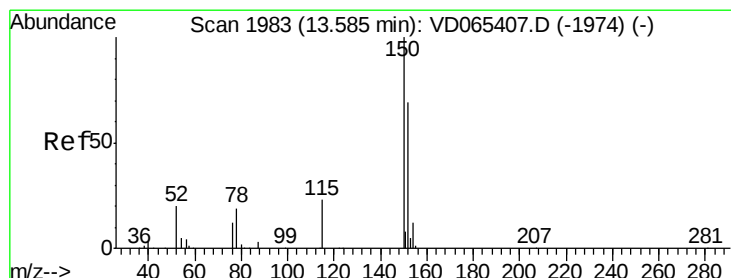
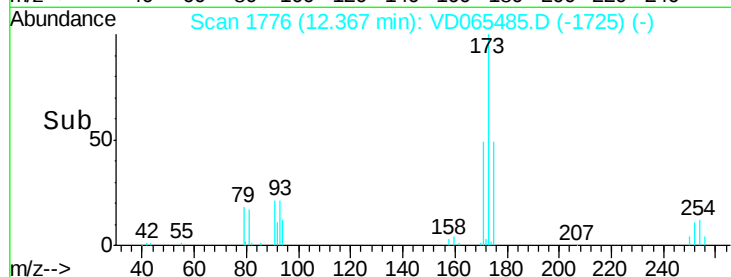
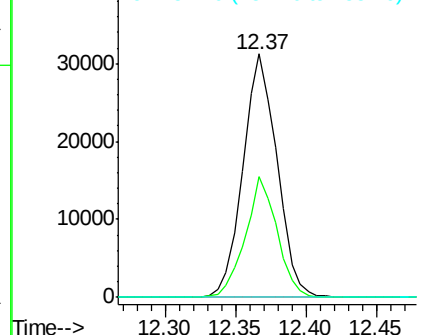
Tot Ion	Ratio	Lower	Upper
173	100		
175	46.5	24.3	73.0
254	0.0	0.1	0.1#

Manual Integrations
APPROVED

MMDadoda
3/16/2020 12:07:00 PM

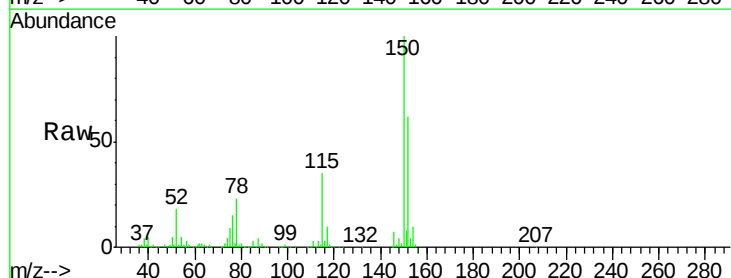


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

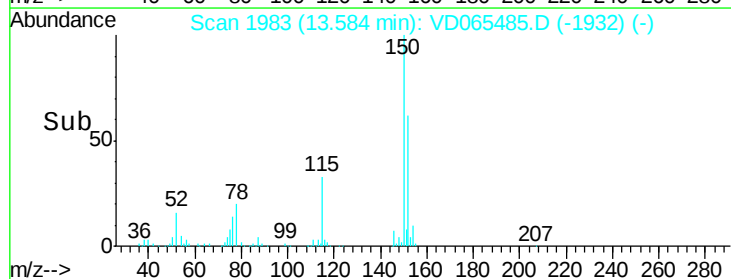
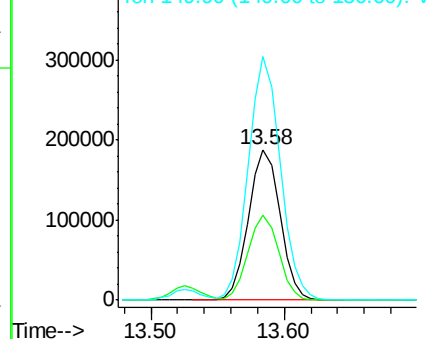


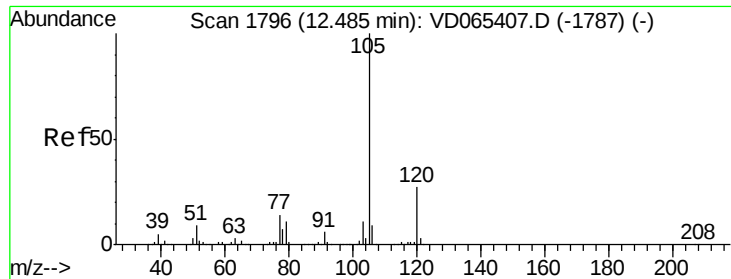
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065485.D
Acq: 12 Mar 2020 11:51

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.2	27.6	82.8
150	164.9	0.0	345.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





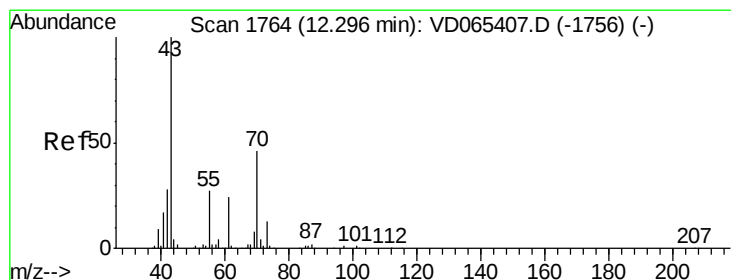
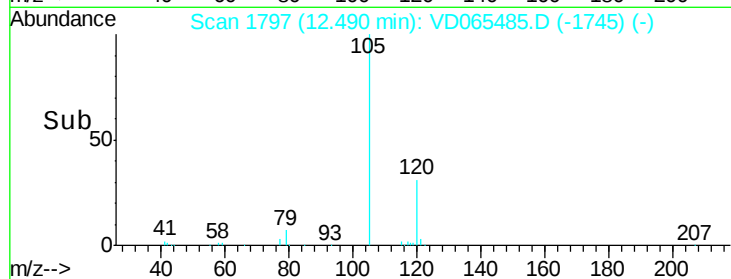
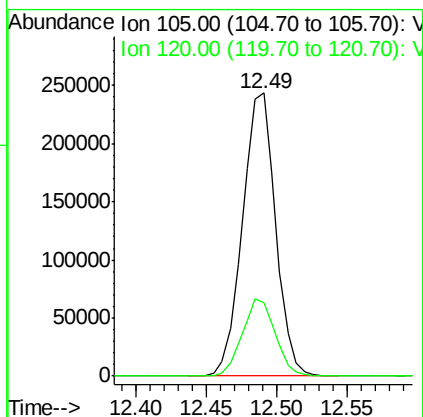
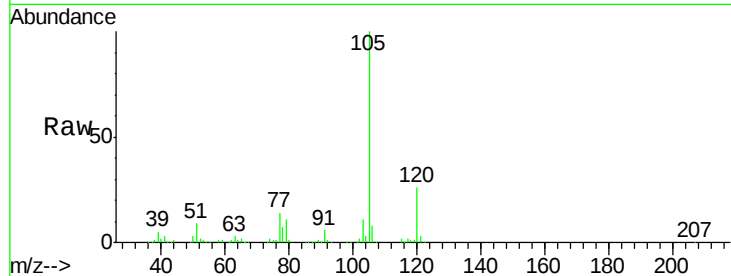
#73
Isopropylbenzene
Concen: 19.853 ug/l
RT: 12.49 min Scan# 1797
Delta R.T. 0.01 min
Lab File: VD065485.D
Acq: 12 Mar 2020 11:51

Instrument :
MSVOA_D
ClientSampleId :
VD0312SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	399834		
120	27.0	13.5	40.4	

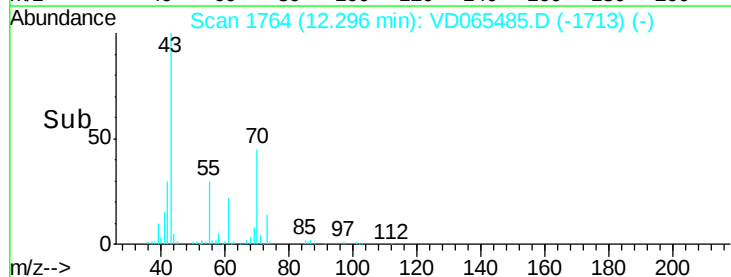
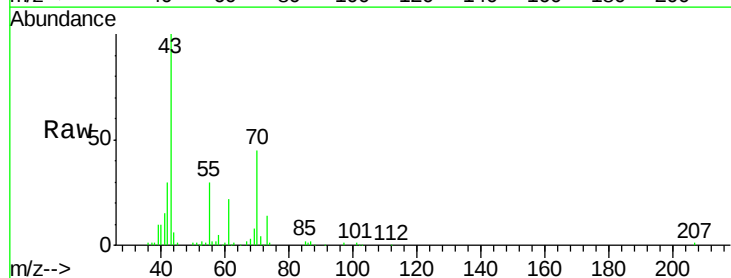
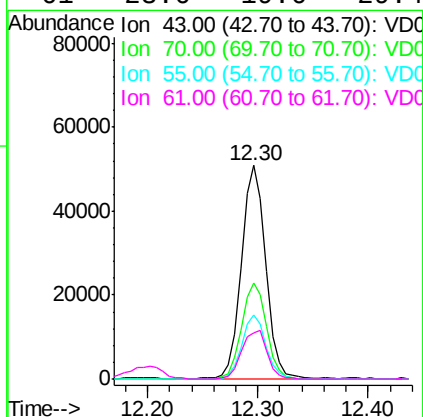
Manual Integrations
APPROVED

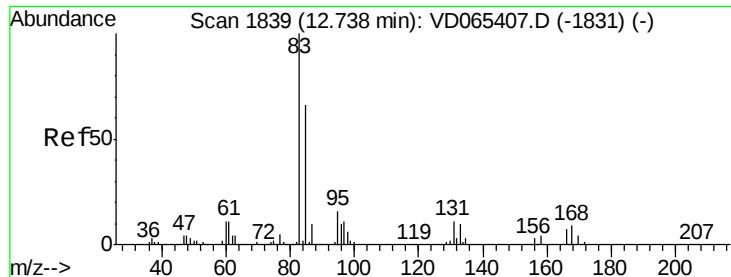
MMDadoda
3/16/2020 12:07:00 PM



#74
N-ethyl acetate
Concen: 19.194 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. -0.00 min
Lab File: VD065485.D
Acq: 12 Mar 2020 11:51

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	79135		
70	45.6	36.1	54.1	
55	29.4	21.6	32.4	
61	23.6	19.6	29.4	





#75

1,1,2,2-Tetrachloroethane

Concen: 20.021 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065485.D

Acq: 12 Mar 2020 11:51

Instrument :

MSVOA_D

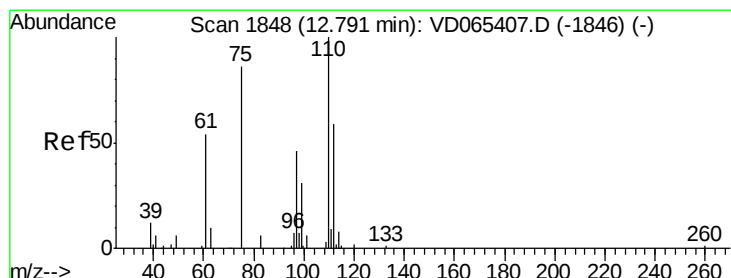
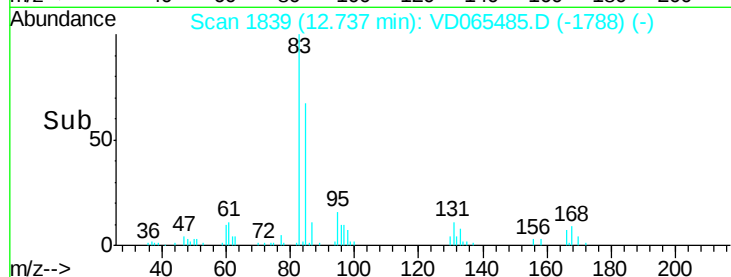
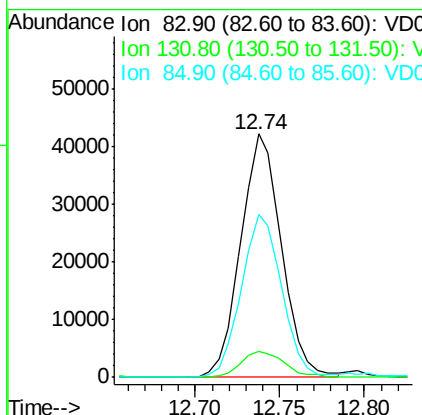
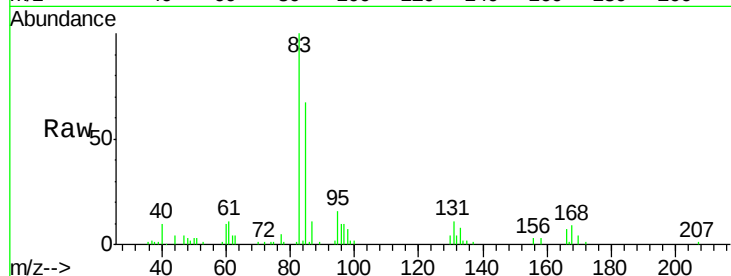
ClientSampleId :

VD0312SBS01

Tot Ion:	83	Resp:	70876
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.4	16.2
85	66.1	33.0	98.9

Manual Integrations
APPROVED

MMDadoda
3/16/2020 12:07:00 PM



#76

1,2,3-Trichloropropane

Concen: 24.987 ug/l m

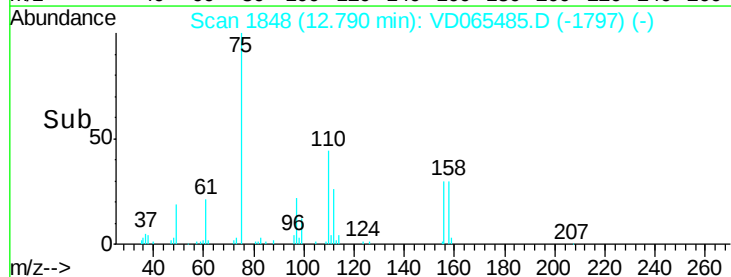
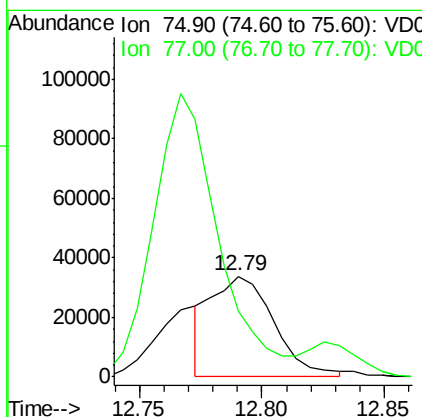
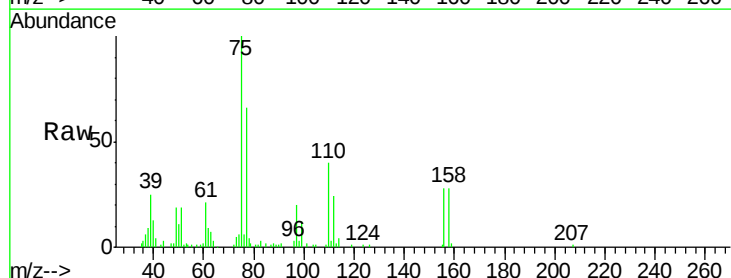
RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD065485.D

Acq: 12 Mar 2020 11:51

Tgt Ion:	75	Resp:	60369
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.778 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065485.D

Acq: 12 Mar 2020 11:51

Instrument :

MSVOA_D

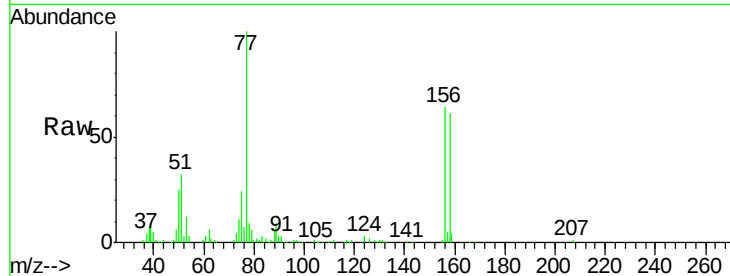
ClientSampleId :

VD0312SBS01

Tot Ion:	156	Resp:	103966
Ion Ratio	Lower	Upper	
156	100		
77	170.8	84.9	254.6
158	97.8	49.0	147.2

Manual Integrations
APPROVED

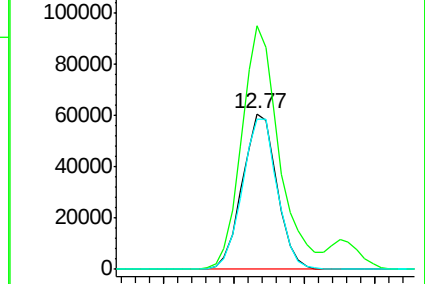
MMDadoda
3/16/2020 12:07:00 PM



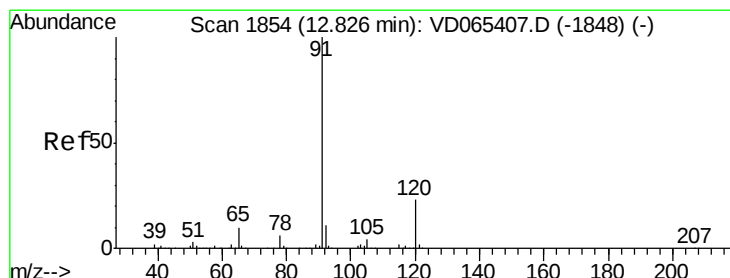
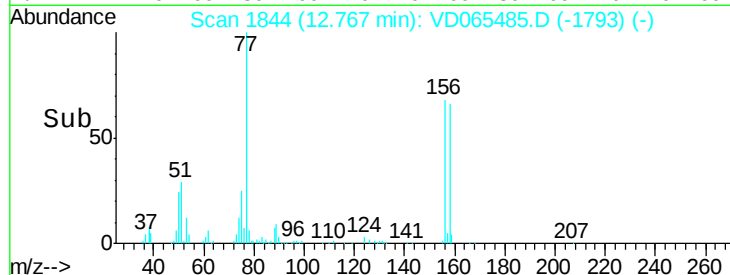
Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



Time-->



#78

n-propylbenzene

Concen: 20.530 ug/l

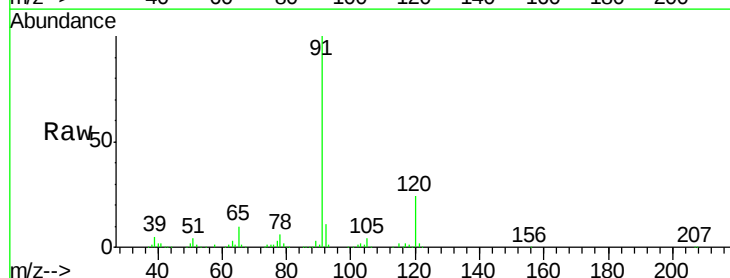
RT: 12.83 min Scan# 1855

Delta R.T. 0.01 min

Lab File: VD065485.D

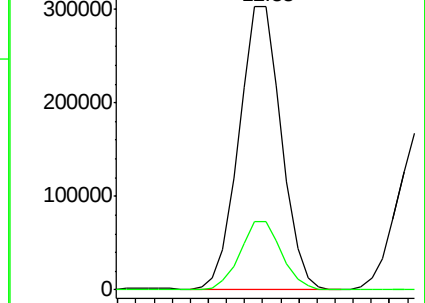
Acq: 12 Mar 2020 11:51

Tgt Ion:	91	Resp:	490575
Ion Ratio	Lower	Upper	
91	100		
120	23.8	11.9	35.5

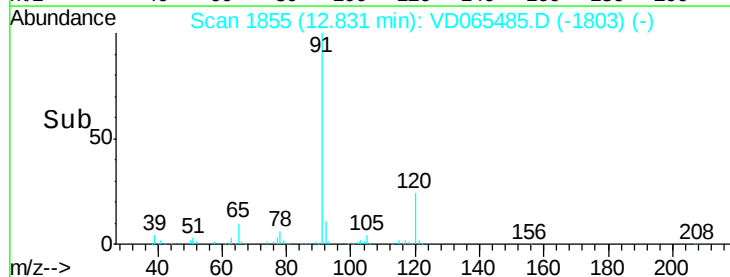


Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V



Time-->





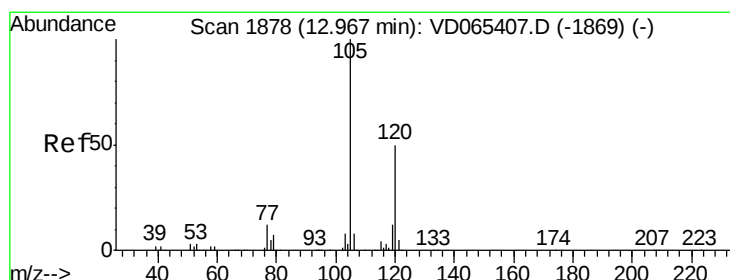
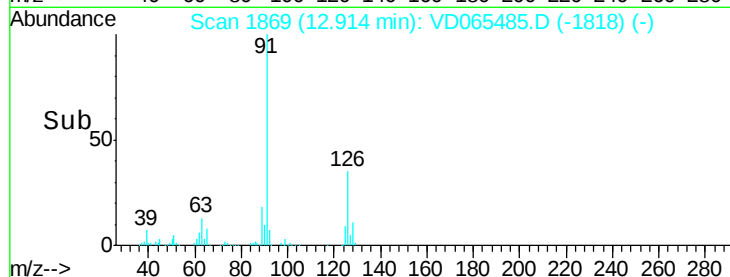
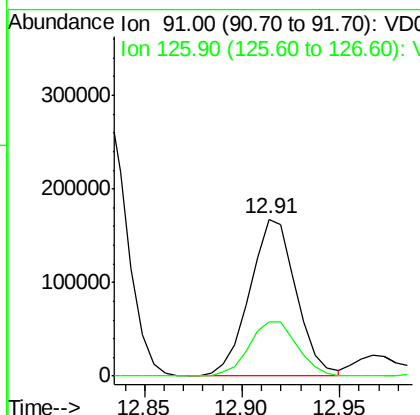
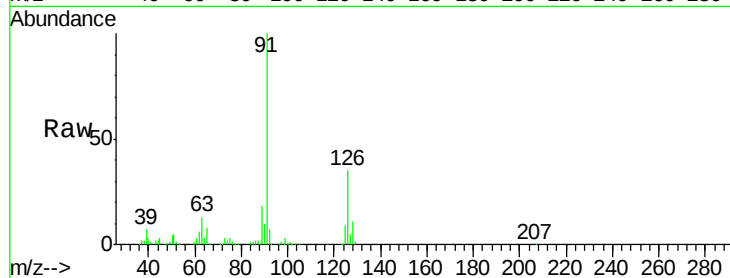
#79
2-Chlorotoluene
Concen: 20.467 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. -0.00 min
Lab File: VD065485.D
Acq: 12 Mar 2020 11:51

Instrument :
MSVOA_D
ClientSampleId :
VD0312SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
126	36.2	17.9	53.8

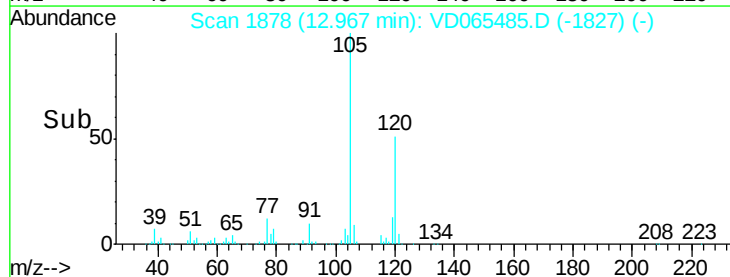
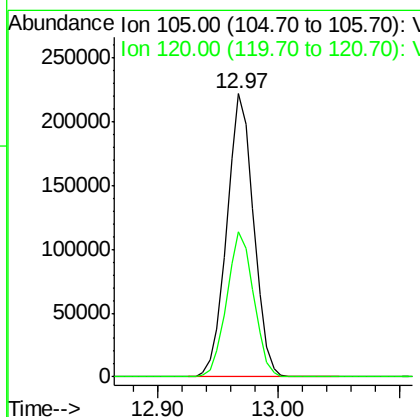
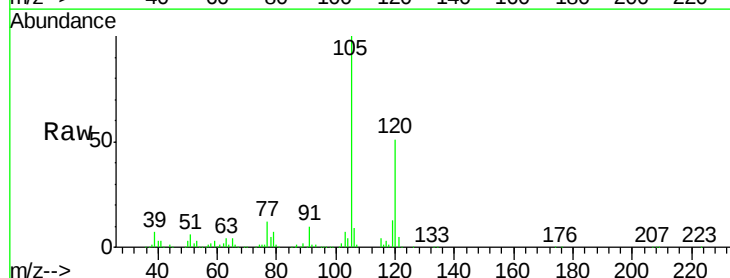
Manual Integrations
APPROVED

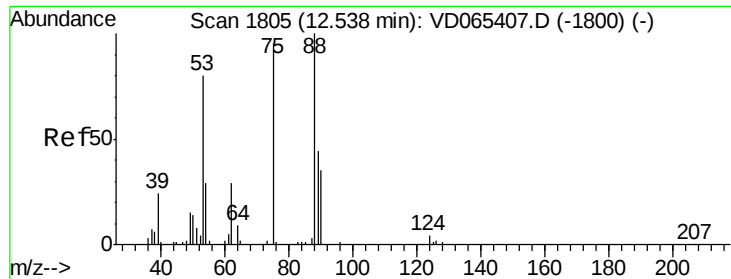
MMDadoda
3/16/2020 12:07:00 PM



#80
1,3,5-Trimethylbenzene
Concen: 20.638 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. -0.00 min
Lab File: VD065485.D
Acq: 12 Mar 2020 11:51

Tgt Ion	Ratio	Lower	Upper
105	100		
120	51.5	25.4	76.0





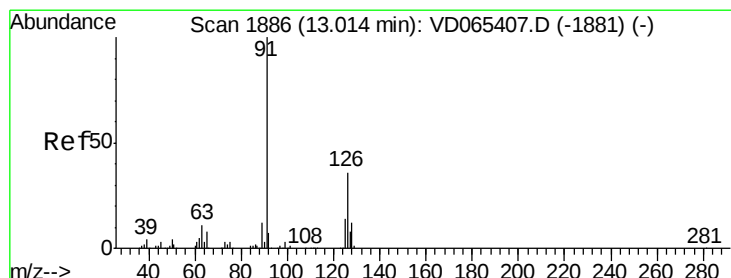
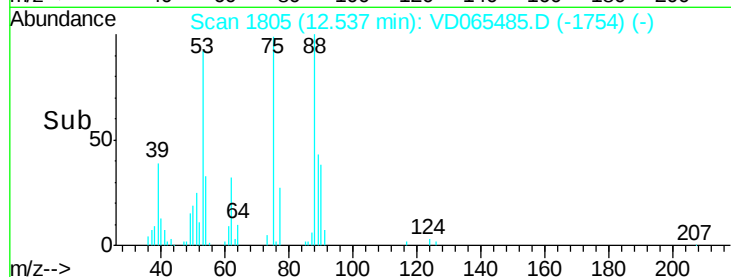
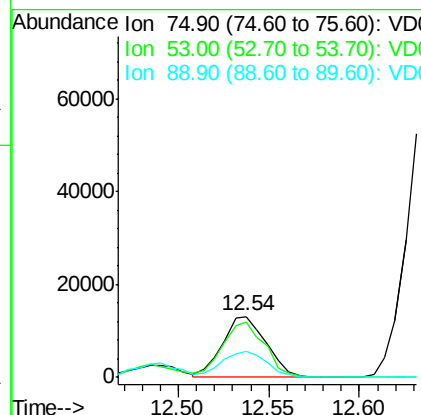
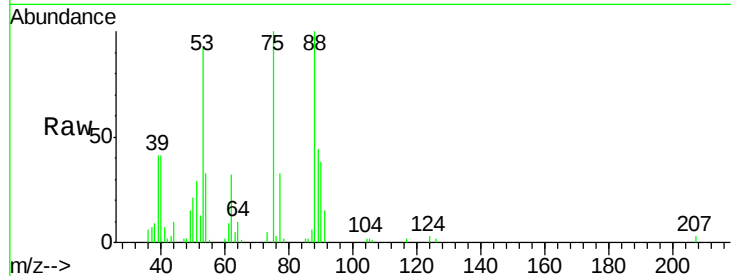
#81
trans-1,4-Dichloro-2-butene
Concen: 19.211 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. -0.00 min
Lab File: VD065485.D
Acq: 12 Mar 2020 11:51

Instrument :
MSVOA_D
ClientSampleId :
VD0312SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	88.2	71.3	106.9
89	43.8	37.0	55.6

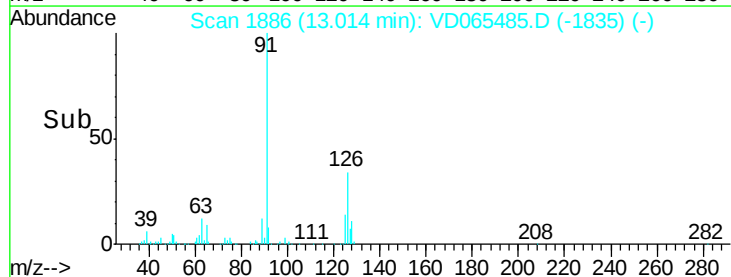
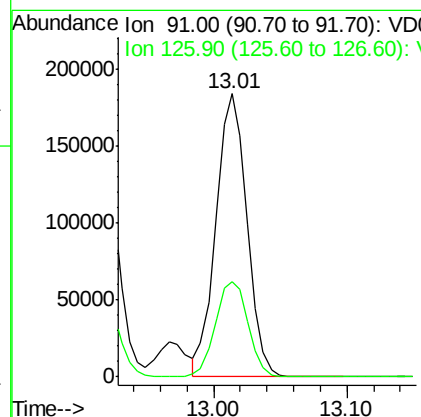
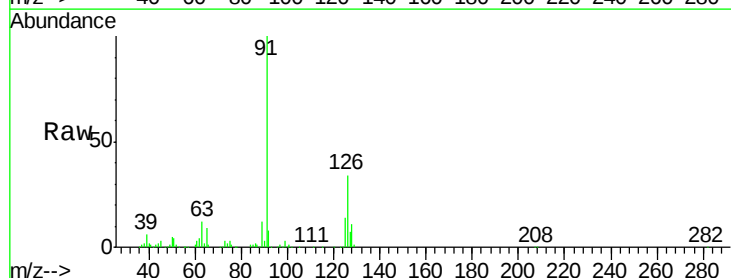
Manual Integrations
APPROVED

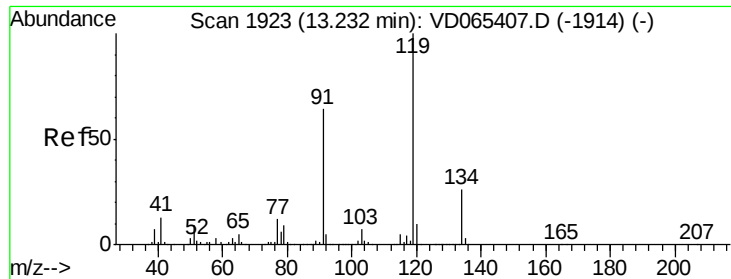
MMDadoda
3/16/2020 12:07:00 PM



#82
4-Chlorotoluene
Concen: 21.247 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VD065485.D
Acq: 12 Mar 2020 11:51

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.5	17.6	52.8





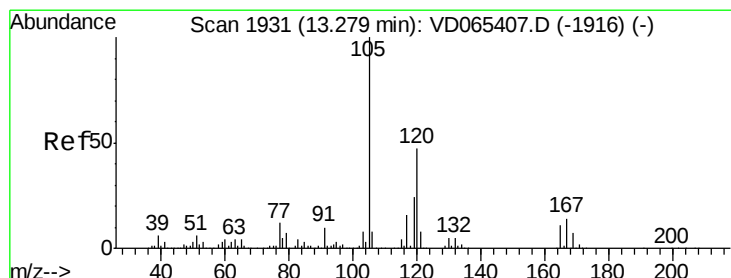
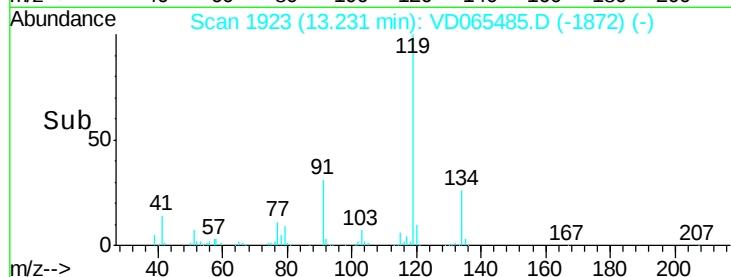
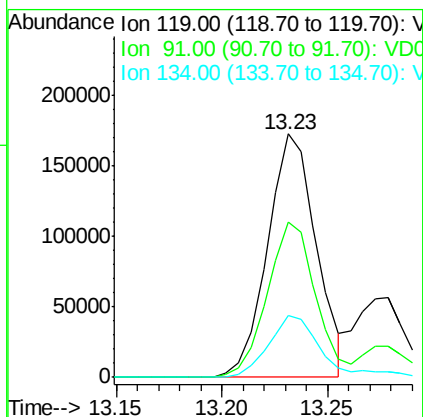
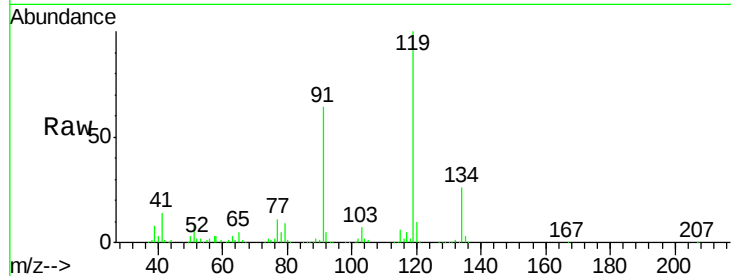
#83
tert-Butylbenzene
Concen: 19.804 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VD065485.D
Acq: 12 Mar 2020 11:51

Instrument :
MSVOA_D
ClientSampleId :
VD0312SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	277391		
91	63.5		31.6	95.0
134	27.6		14.2	42.8

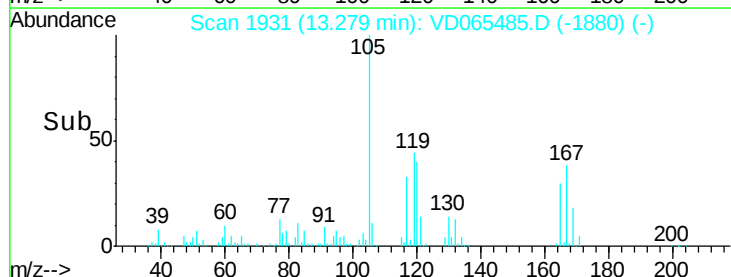
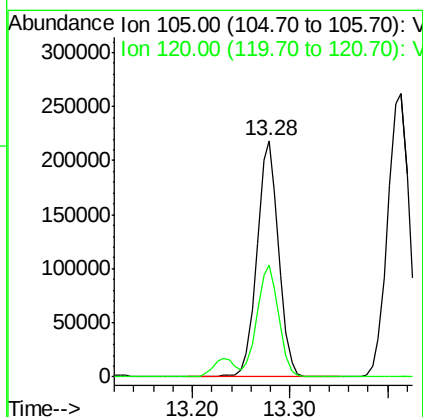
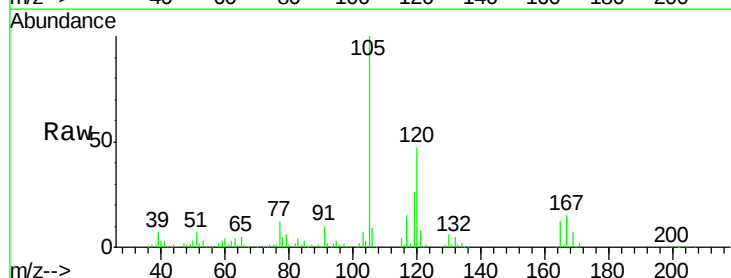
Manual Integrations
APPROVED

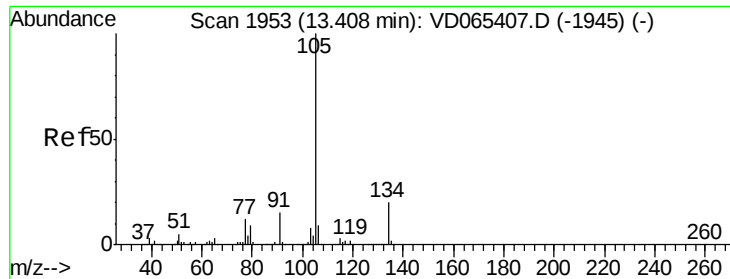
MMDadoda
3/16/2020 12:07:00 PM



#84
1,2,4-Trimethylbenzene
Concen: 20.905 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. -0.00 min
Lab File: VD065485.D
Acq: 12 Mar 2020 11:51

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	341175		
120	47.1		23.4	70.3





#85

sec-Butylbenzene

Concen: 20.511 ug/l

RT: 13.41 min Scan# 1954

Delta R.T. 0.01 min

Lab File: VD065485.D

Acq: 12 Mar 2020 11:51

Instrument :

MSVOA_D

ClientSampleId :

VD0312SBS01

Tot Ion:105 Resp: 410092

Ion Ratio Lower Upper

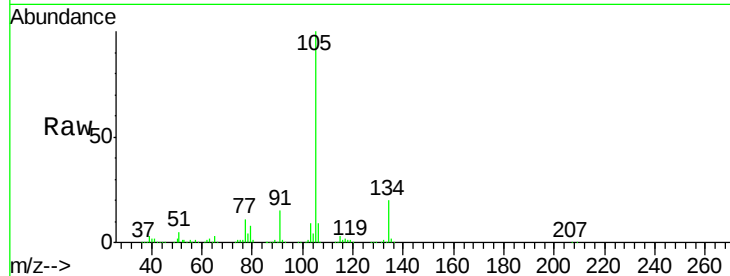
105 100

134 20.7 10.3 30.9

Manual Integrations
APPROVED

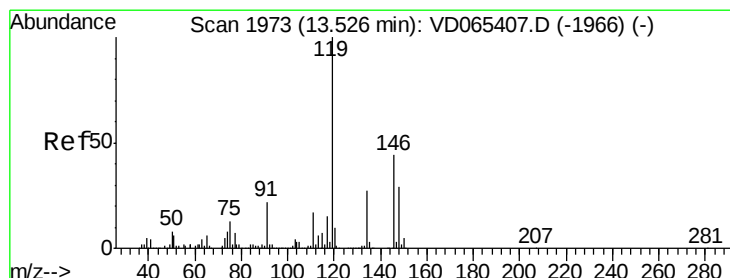
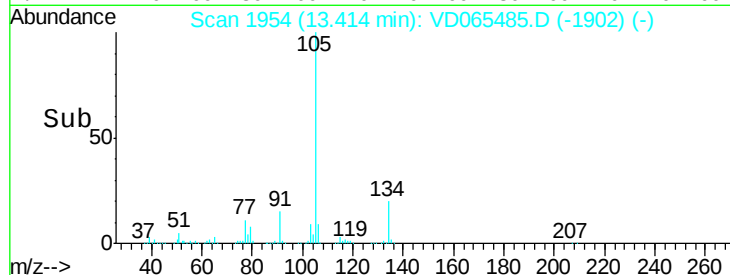
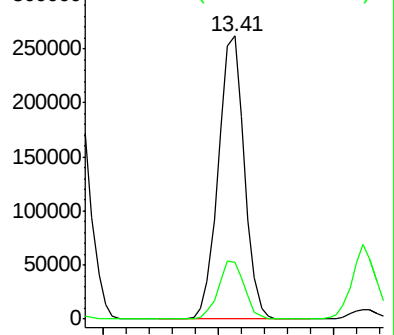
MMDadoda

3/16/2020 12:07:00 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.458 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065485.D

Acq: 12 Mar 2020 11:51

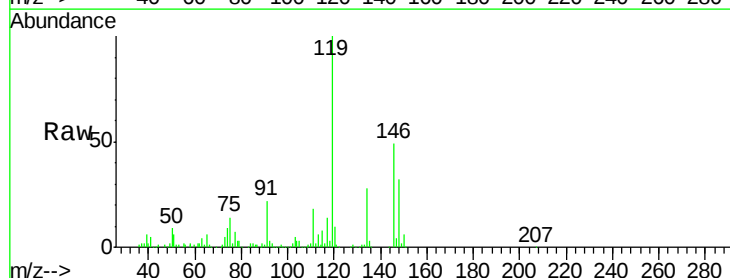
Tgt Ion:119 Resp: 373250

Ion Ratio Lower Upper

119 100

134 26.7 13.3 39.9

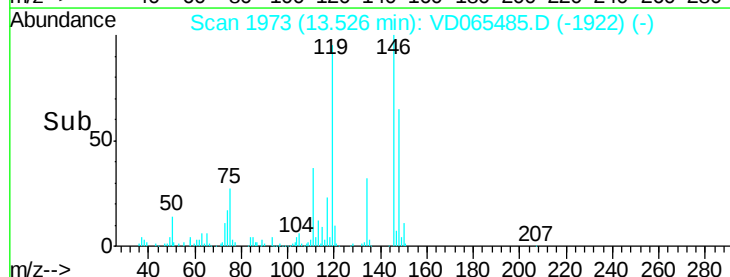
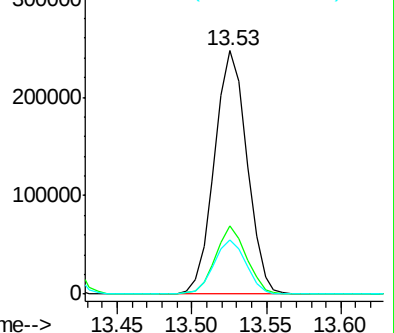
91 22.5 10.9 32.6



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





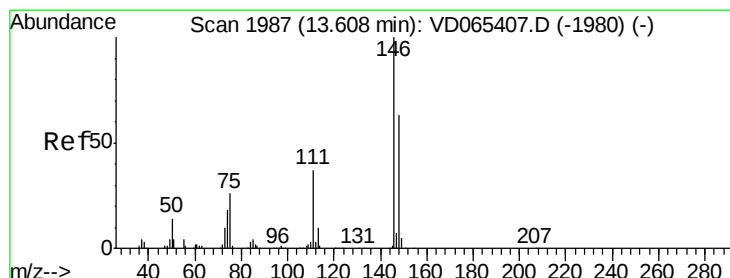
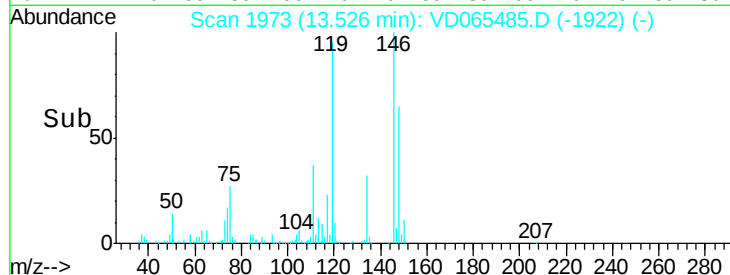
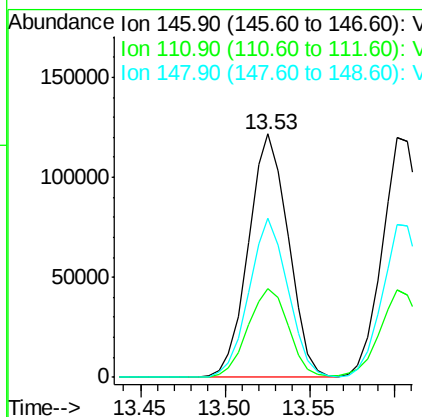
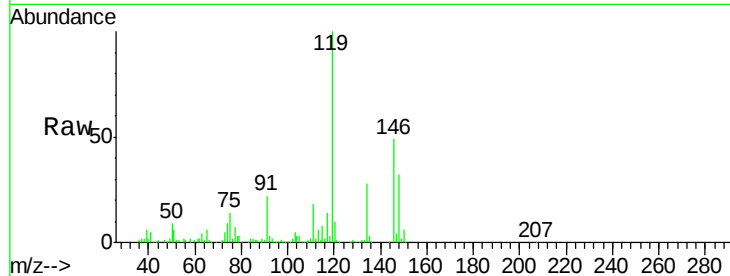
#87
1,3-Dichlorobenzene
Concen: 20.796 ug/l
RT: 13.53 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VD065485.D
Acq: 12 Mar 2020 11:51

Instrument :
MSVOA_D
ClientSampleId :
VD0312SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	19.1	57.1
148	63.9	32.3	96.8

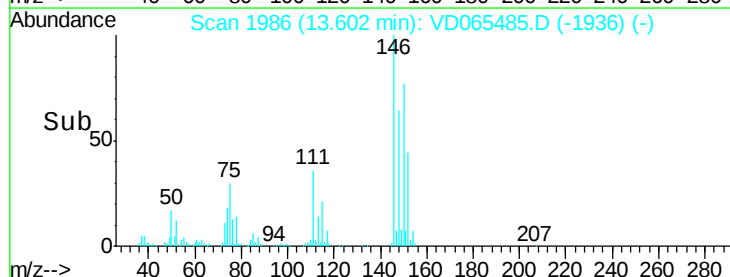
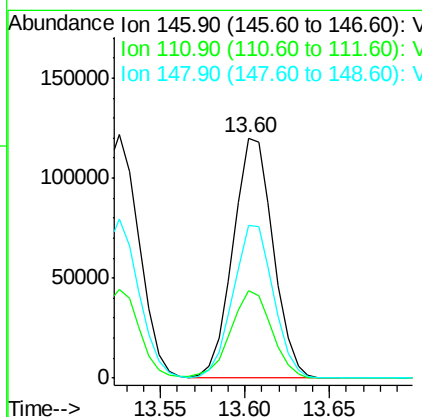
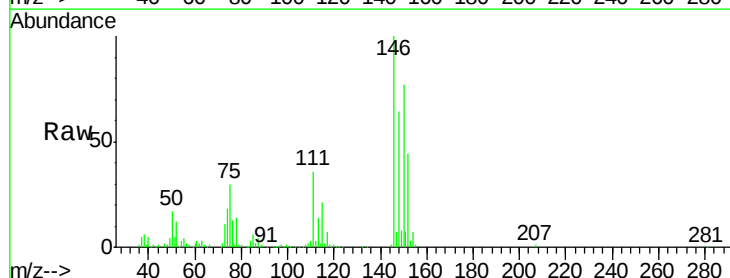
Manual Integrations
APPROVED

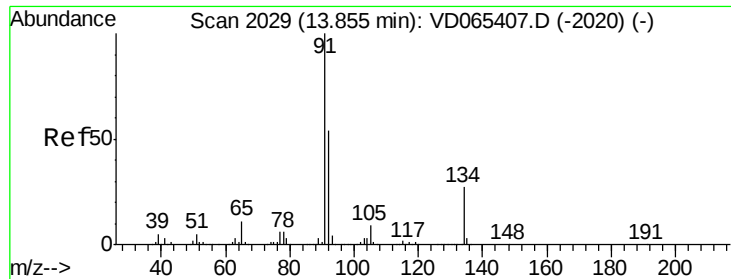
MMDadoda
3/16/2020 12:07:00 PM



#88
1,4-Dichlorobenzene
Concen: 20.762 ug/l
RT: 13.60 min Scan# 1986
Delta R.T. -0.01 min
Lab File: VD065485.D
Acq: 12 Mar 2020 11:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.5	55.5
148	64.0	32.0	96.0





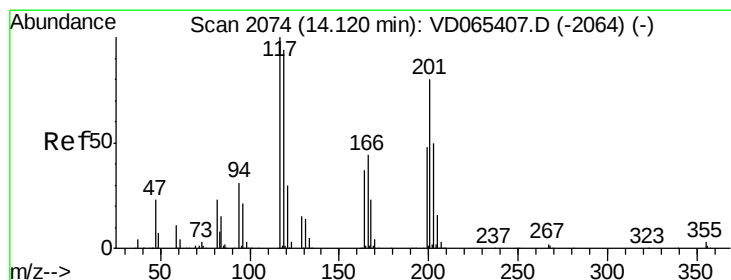
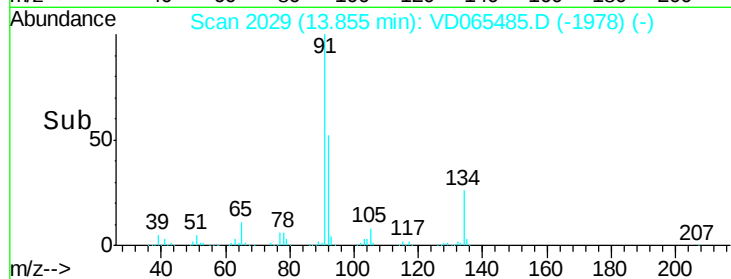
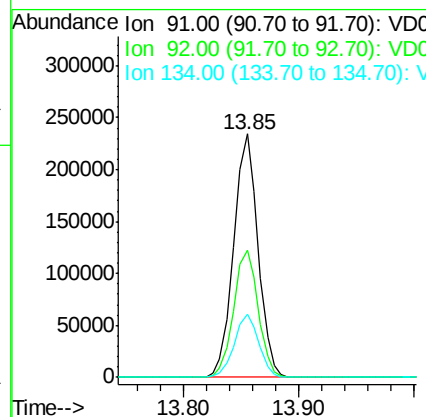
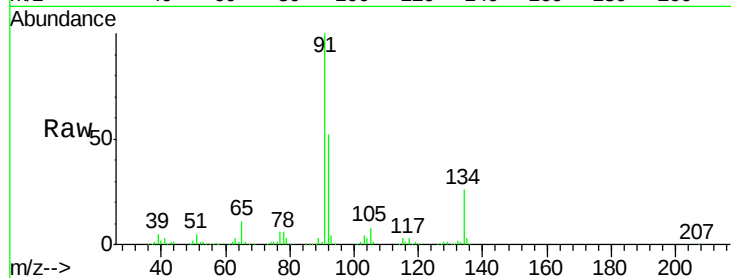
#89
n-Butylbenzene
Concen: 20.291 ug/l
RT: 13.85 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD065485.D
Acq: 12 Mar 2020 11:51

Instrument :
MSVOA_D
ClientSampleId :
VD0312SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.8	80.4
134	25.9	13.4	40.2

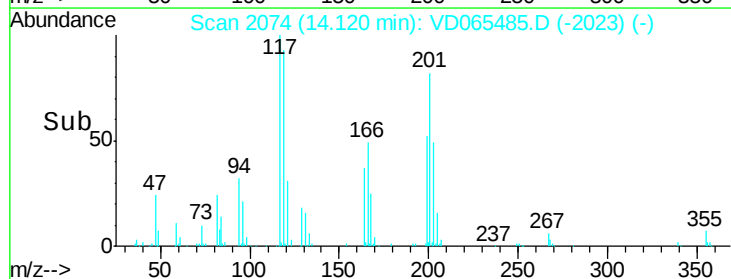
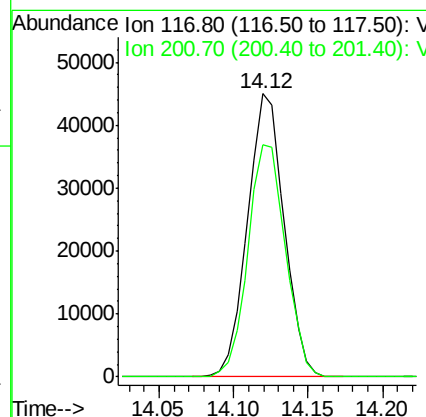
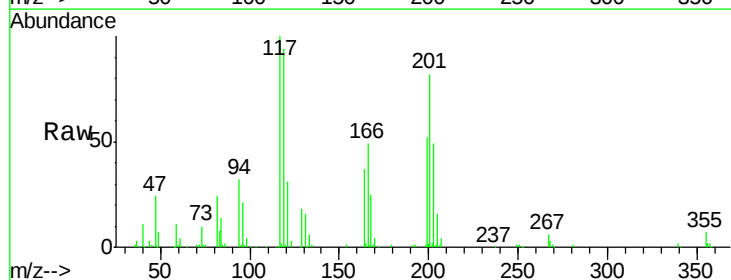
Manual Integrations
APPROVED

MMDadoda
3/16/2020 12:07:00 PM



#90
Hexachloroethane
Concen: 20.302 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065485.D
Acq: 12 Mar 2020 11:51

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.0	41.9	125.6





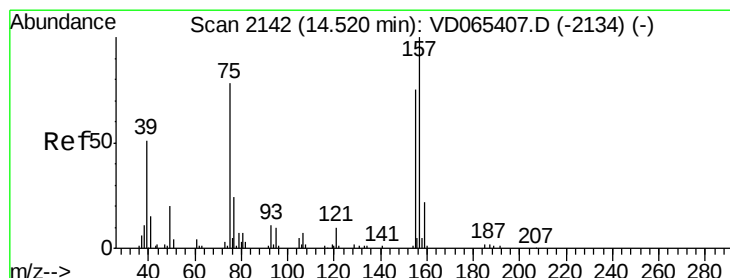
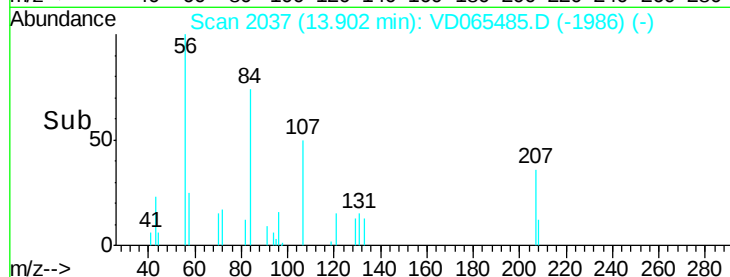
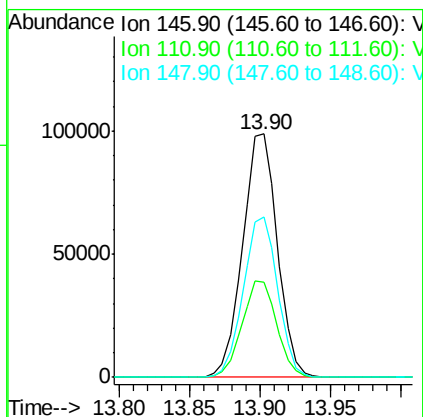
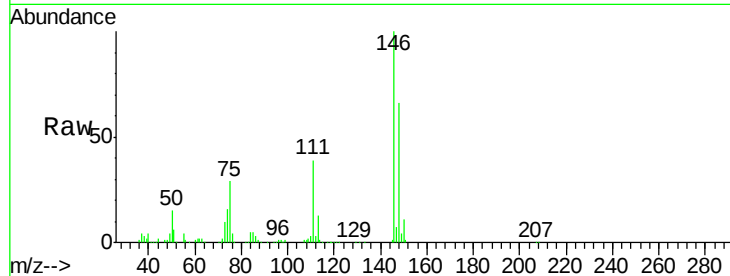
#91
 1,2-Dichlorobenzene
 Concen: 20.819 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VD065485.D
 Acq: 12 Mar 2020 11:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0312SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.8	59.3
148	65.3	32.6	97.8

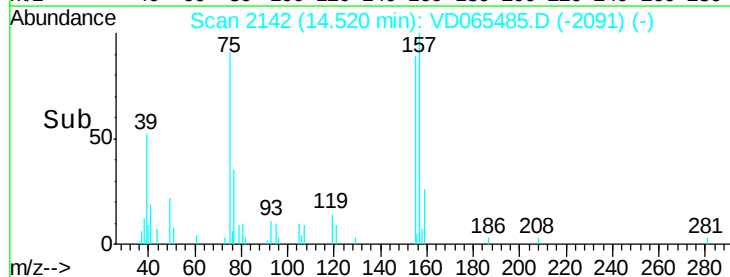
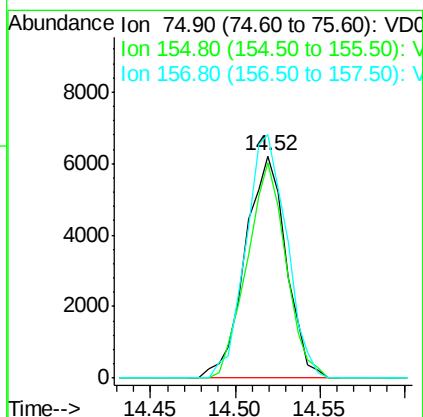
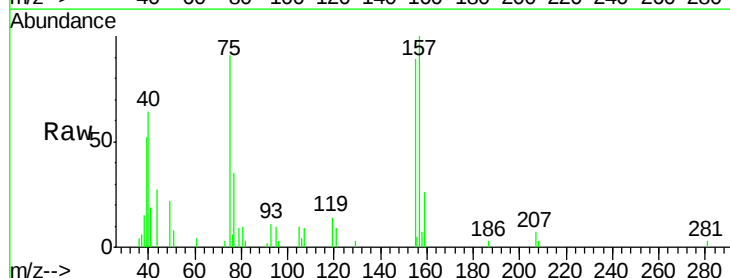
Manual Integrations
 APPROVED

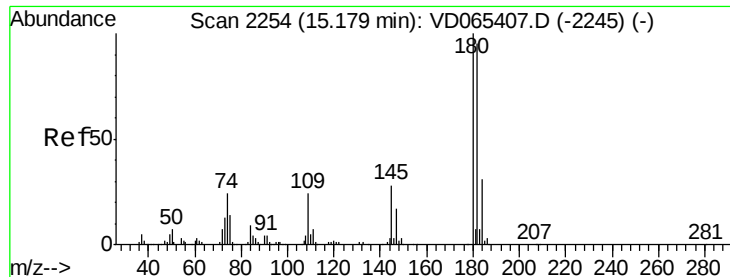
MMDadoda
 3/16/2020 12:07:00 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.468 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VD065485.D
 Acq: 12 Mar 2020 11:51

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.0	46.4	139.1
157	109.2	60.2	180.4





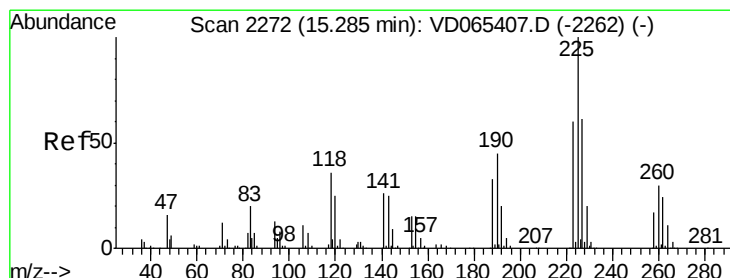
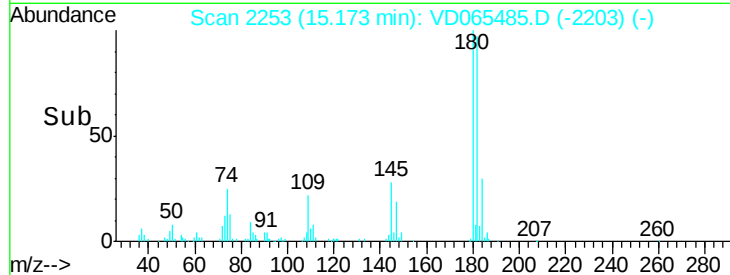
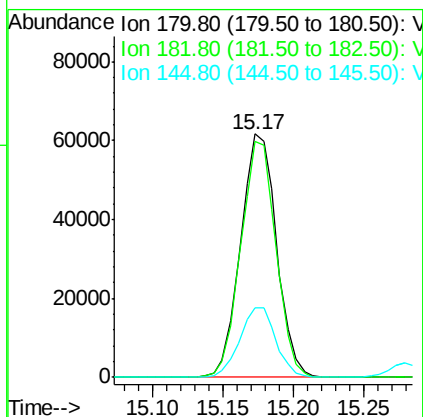
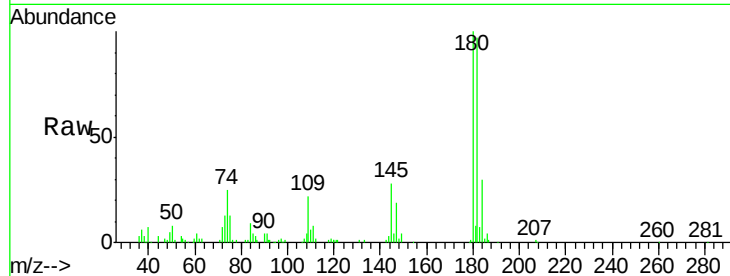
#93
 1,2,4-Trichlorobenzene
 Concen: 19.888 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065485.D
 Acq: 12 Mar 2020 11:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0312SBS01

Tot Ion:	180	Resp:	110346
Ion Ratio	Lower	Upper	
180	100		
182	94.6	48.3	144.9
145	28.5	14.4	43.4

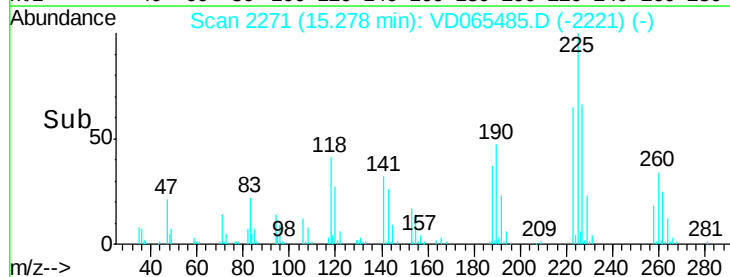
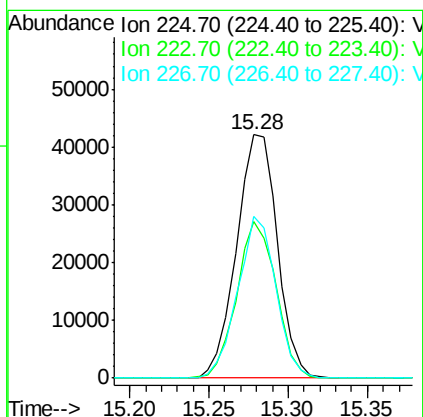
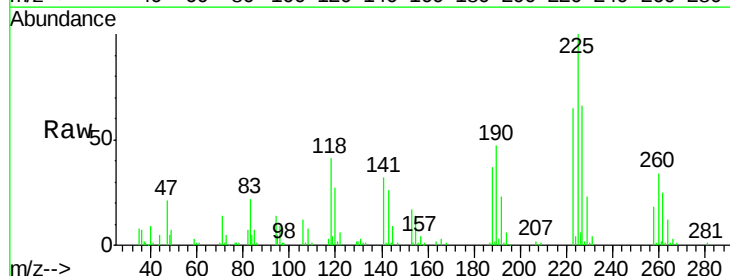
Manual Integrations
 APPROVED

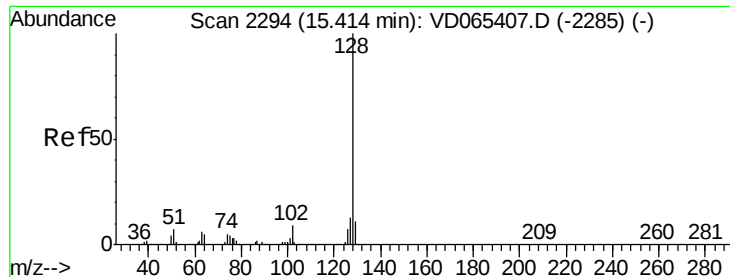
MMDadoda
 3/16/2020 12:07:00 PM



#94
 Hexachlorobutadiene
 Concen: 20.658 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.01 min
 Lab File: VD065485.D
 Acq: 12 Mar 2020 11:51

Tgt Ion:	225	Resp:	75315
Ion Ratio	Lower	Upper	
225	100		
223	62.1	30.9	92.5
227	62.1	31.6	94.7





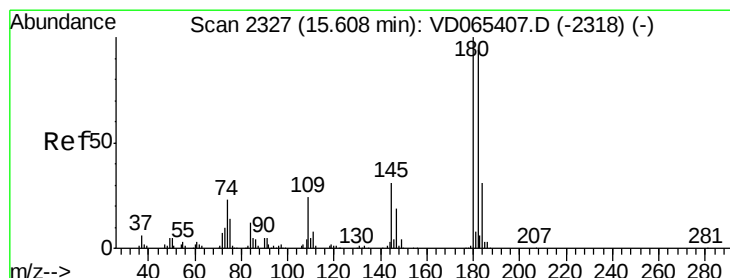
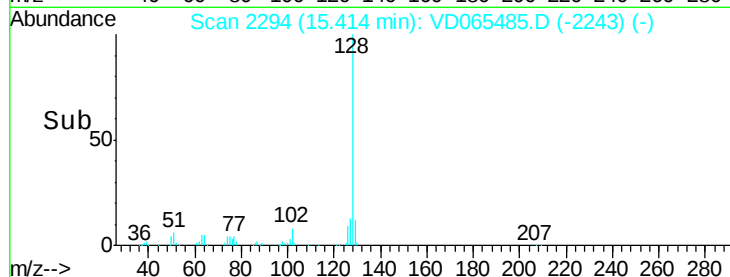
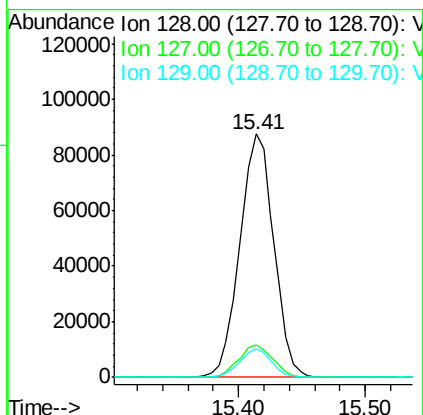
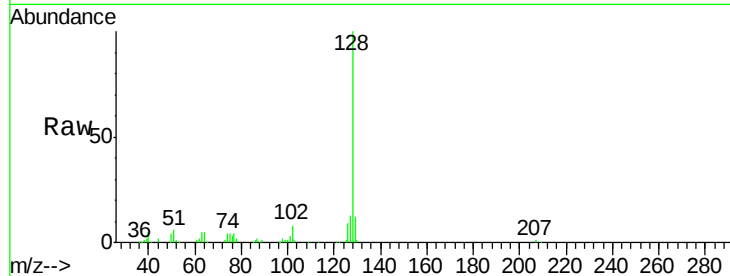
#95
Naphthalene
Concen: 19.427 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065485.D
Acq: 12 Mar 2020 11:51

Instrument :
MSVOA_D
ClientSampleId :
VD0312SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.6	16.0
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/16/2020 12:07:00 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.473 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065485.D
Acq: 12 Mar 2020 11:51

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.0	46.9	140.6
145	30.0	15.0	45.1

