

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022720\
 Data File : VD065341.D
 Acq On : 27 Feb 2020 11:50
 Operator : VA/SY
 Sample : VD0227SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0227SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/28/2020 9:59:10 AM

Quant Time: Feb 28 01:06:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:26:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	473499	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	708662	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	640556	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	319427	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	204943	48.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.22%	
35) Dibromofluoromethane	7.92	113	218436	50.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.10%	
50) Toluene-d8	10.34	98	859362	52.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.04%	
62) 4-Bromofluorobenzene	12.64	95	273758	52.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	73217	18.436	ug/l	93
3) Chloromethane	2.21	50	97363	19.261	ug/l	99
4) Vinyl Chloride	2.35	62	98383	19.140	ug/l	98
5) Bromomethane	2.76	94	62338	20.058	ug/l	99
6) Chloroethane	2.93	64	62034	19.771	ug/l	97
7) Trichlorofluoromethane	3.27	101	148418	20.168	ug/l	97
8) Diethyl Ether	3.71	74	45179	20.338	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	99515	21.414	ug/l	99
10) Methyl Iodide	4.30	142	98648	20.444	ug/l	100
11) Tert butyl alcohol	5.25	59	24287	95.415	ug/l	97
12) 1,1-Dichloroethene	4.07	96	91905	20.935	ug/l	98
13) Acrolein	3.93	56	34500	92.184	ug/l	98
14) Allyl chloride	4.72	41	143328	20.105	ug/l	98
15) Acrylonitrile	5.43	53	97557	99.196	ug/l	100
16) Acetone	4.16	43	85838	82.436	ug/l	99
17) Carbon Disulfide	4.40	76	286731	19.481	ug/l	99
18) Methyl Acetate	4.73	43	50512	21.569	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	180938	19.764	ug/l	97
20) Methylene Chloride	4.96	84	108508	20.708	ug/l	91
21) trans-1,2-Dichloroethene	5.47	96	105373	21.114	ug/l	92
22) Diisopropyl ether	6.37	45	287979	20.954	ug/l	99
23) Vinyl Acetate	6.31	43	714445	94.297	ug/l	100
24) 1,1-Dichloroethane	6.27	63	176985	20.762	ug/l	97
25) 2-Butanone	7.23	43	117608	89.271	ug/l	97
26) 2,2-Dichloropropane	7.21	77	152316	20.594	ug/l	100
27) cis-1,2-Dichloroethene	7.22	96	109560	20.725	ug/l	99
28) Bromochloromethane	7.56	49	55862	17.664	ug/l	98
29) Tetrahydrofuran	7.57	42	75424	97.711	ug/l	99
30) Chloroform	7.71	83	177636	20.684	ug/l	96
31) Cyclohexane	7.99	56	167642	20.016	ug/l	96
32) 1,1,1-Trichloroethane	7.91	97	162688	21.173	ug/l	99
36) 1,1-Dichloropropene	8.11	75	146050	21.181	ug/l	100
37) Ethyl Acetate	7.30	43	56211	19.500	ug/l	99
38) Carbon Tetrachloride	8.10	117	148022	21.088	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022720\
 Data File : VD065341.D
 Acq On : 27 Feb 2020 11:50
 Operator : VA/SY
 Sample : VD0227SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0227SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/28/2020 9:59:10 AM

Quant Time: Feb 28 01:06:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:26:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	165490	20.415	ug/l	99
40) Benzene	8.36	78	402336	20.672	ug/l	97
41) Methacrylonitrile	7.53	41	28422	17.077	ug/l #	92
42) 1,2-Dichloroethane	8.43	62	106808	19.962	ug/l	100
43) Isopropyl Acetate	8.46	43	99301	18.944	ug/l	98
44) Trichloroethene	9.11	130	114854	21.289	ug/l	96
45) 1,2-Dichloropropane	9.39	63	99774	20.616	ug/l	99
46) Dibromomethane	9.48	93	51643	20.740	ug/l	99
47) Bromodichloromethane	9.67	83	135196	20.602	ug/l	95
48) Methyl methacrylate	9.46	41	47051	19.419	ug/l	95
49) 1,4-Dioxane	9.46	88	10985	376.140	ug/l	99
51) 4-Methyl-2-Pentanone	10.23	43	255587	95.999	ug/l	99
52) Toluene	10.41	92	262497	21.789	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	124034	20.392	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	148858	20.267	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	71566	20.420	ug/l	98
56) Ethyl methacrylate	10.67	69	78438	19.390	ug/l	97
57) 1,3-Dichloropropane	10.95	76	122303	20.503	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.95	63	118743	93.106	ug/l	100
59) 2-Hexanone	10.99	43	180113	94.505	ug/l	100
60) Dibromochloromethane	11.14	129	91146	20.319	ug/l	96
61) 1,2-Dibromoethane	11.25	107	67349	20.296	ug/l	99
64) Tetrachloroethene	10.88	164	97731	21.512	ug/l	97
65) Chlorobenzene	11.67	112	272640	21.210	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	101440	21.147	ug/l	99
67) Ethyl Benzene	11.75	91	476855	21.181	ug/l	98
68) m/p-Xylenes	11.86	106	370392	43.002	ug/l	100
69) o-Xylene	12.19	106	160486	21.031	ug/l	100
70) Styrene	12.20	104	292202	21.567	ug/l	99
71) Bromoform	12.37	173	54389	20.433	ug/l #	100
73) Isopropylbenzene	12.48	105	445051	21.045	ug/l	99
74) N-amyl acetate	12.30	43	90529	19.265	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	78041	20.447	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	52883m	19.458	ug/l	
77) Bromobenzene	12.77	156	110845	21.108	ug/l	98
78) n-propylbenzene	12.83	91	547089	21.527	ug/l	100
79) 2-Chlorotoluene	12.91	91	302648	21.258	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	374022	21.474	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	22948	18.231	ug/l	100
82) 4-Chlorotoluene	13.01	91	320456	21.202	ug/l	99
83) tert-Butylbenzene	13.23	119	320663	21.966	ug/l	97
84) 1,2,4-Trimethylbenzene	13.28	105	373525	21.425	ug/l	99
85) sec-Butylbenzene	13.41	105	451503	21.464	ug/l	100
86) p-Isopropyltoluene	13.53	119	410683	21.349	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	211686	20.852	ug/l	98
88) 1,4-Dichlorobenzene	13.61	146	208875	20.847	ug/l	99
89) n-Butylbenzene	13.86	91	380210	21.449	ug/l	98
90) Hexachloroethane	14.12	117	80693	20.659	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	181067	20.772	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.53	75	11449	19.466	ug/l	92

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD022720\
Data File : VD065341.D
Acq On : 27 Feb 2020 11:50
Operator : VA/SY
Sample : VD0227SBSD01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0227SBSD01

Manual Integrations
APPROVED

MMDadoda
2/28/2020 9:59:10 AM

Quant Time: Feb 28 01:06:07 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:26:54 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	120191	21.080	ug/l	98
94) Hexachlorobutadiene	15.28	225	78401	21.435	ug/l	99
95) Naphthalene	15.42	128	180977	19.524	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	103958	20.876	ug/l	96

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

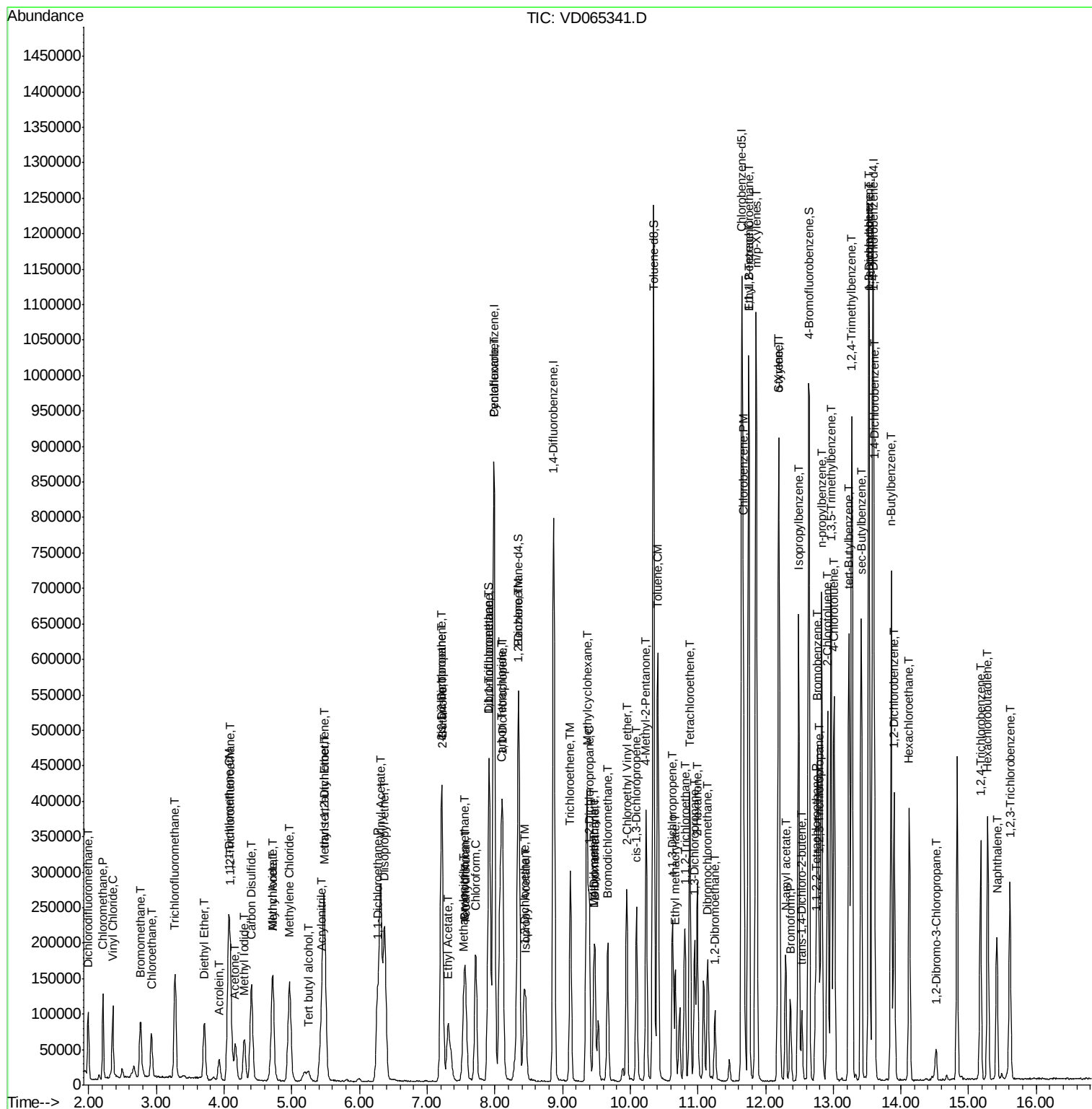
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD022720\
Data File : VD065341.D
Acq On : 27 Feb 2020 11:50
Operator : VA/SY
Sample : VD0227SBS01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 5 Sample Multiplier: 1

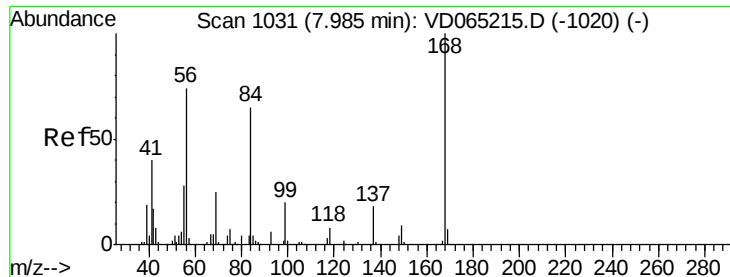
Instrument :
MSVOA_D
ClientSampleId :
VD0227SBS01

Manual Integrations
APPROVED

MMDadoda
2/28/2020 9:59:10 AM

Quant Time: Feb 28 01:06:07 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:26:54 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: VD065341.D

Acq: 27 Feb 2020 11:50

Instrument :

MSVOA_D

ClientSampleId :

VD0227SBS01

Tot Ion:168 Resp: 473499

Ion Ratio Lower Upper

168 100

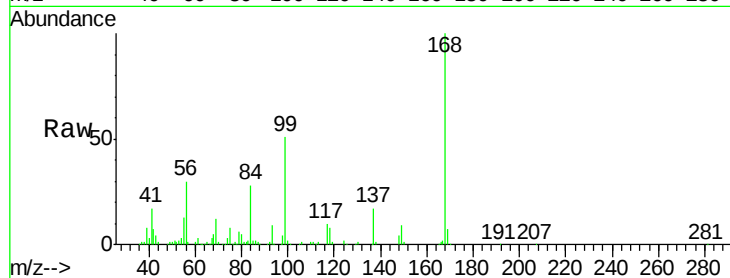
99 51.3 41.4 62.2

Manual Integrations

APPROVED

MMDadoda

2/28/2020 9:59:10 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

250000

200000

150000

100000

50000

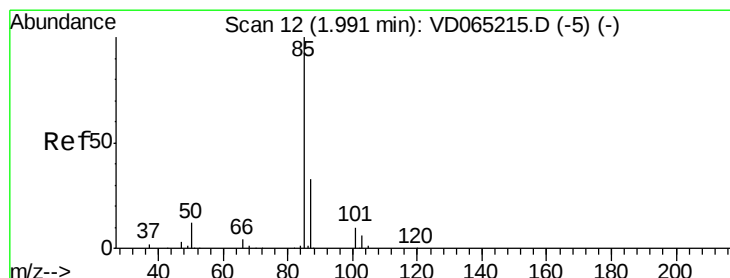
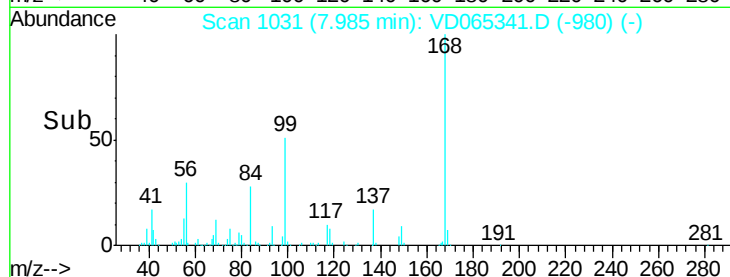
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 18.436 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065341.D

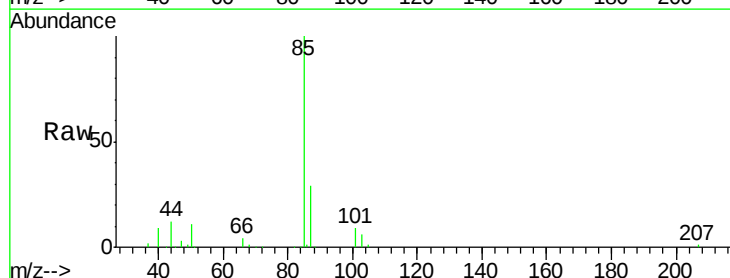
Acq: 27 Feb 2020 11:50

Tgt Ion: 85 Resp: 73217

Ion Ratio Lower Upper

85 100

87 28.9 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

60000

50000

40000

30000

20000

10000

0

1.90

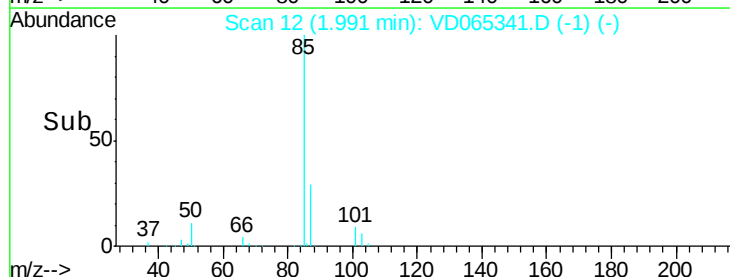
1.95

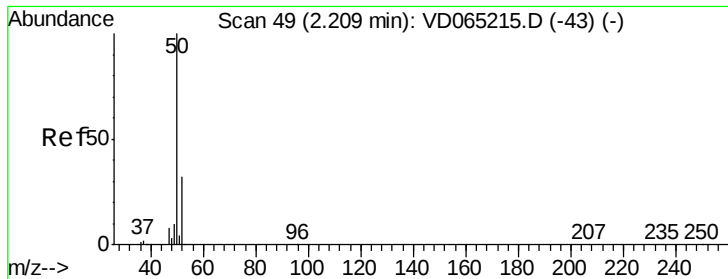
2.00

2.05

2.10

Time-->





#3

Chloromethane

Concen: 19.261 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065341.D

Acq: 27 Feb 2020 11:50

Instrument :

MSVOA_D

ClientSampleId :

VD0227SBS01

Tot Ion: 50 Resp: 97363

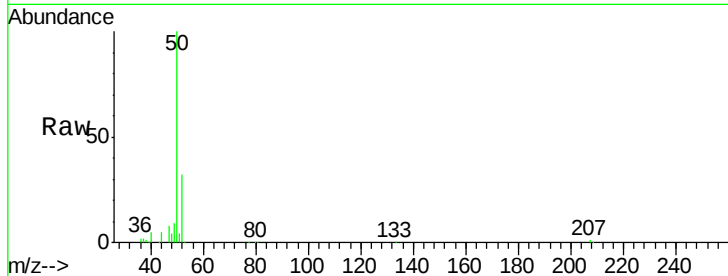
Ion Ratio Lower Upper

50 100

52 32.2 25.5 38.3

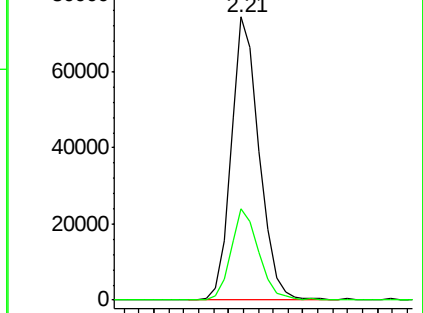
Manual Integrations
APPROVED

MMDadoda
2/28/2020 9:59:10 AM

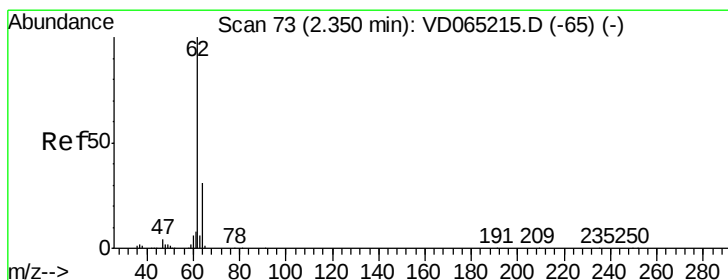
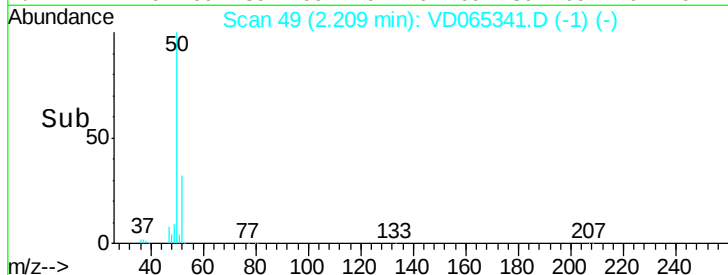


Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



Time-->



#4

Vinyl Chloride

Concen: 19.140 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065341.D

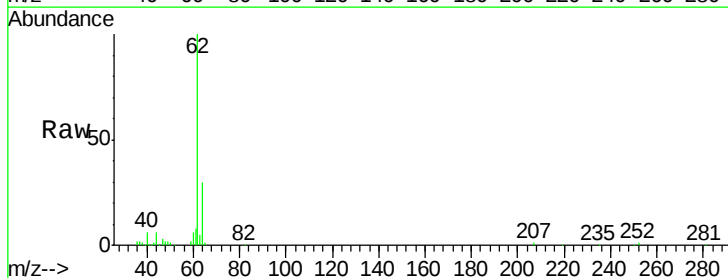
Acq: 27 Feb 2020 11:50

Tgt Ion: 62 Resp: 98383

Ion Ratio Lower Upper

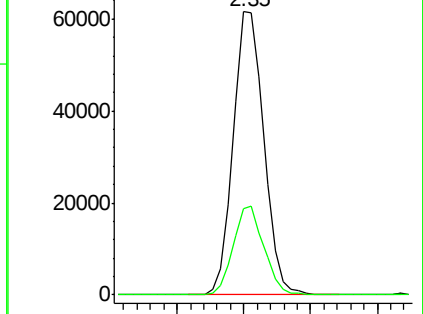
62 100

64 30.4 25.0 37.6

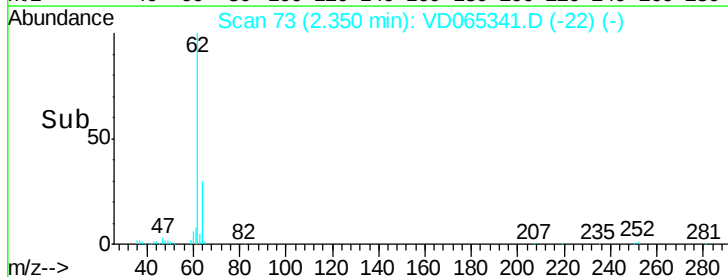


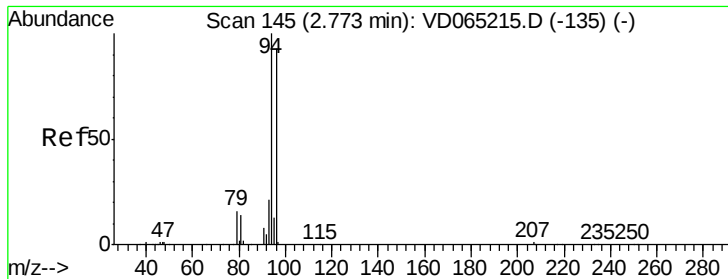
Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC



Time-->





#5

Bromomethane

Concen: 20.058 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD065341.D

Acq: 27 Feb 2020 11:50

Instrument :

MSVOA_D

ClientSampleId :

VD0227SBS01

Tot Ion: 94 Resp: 62338

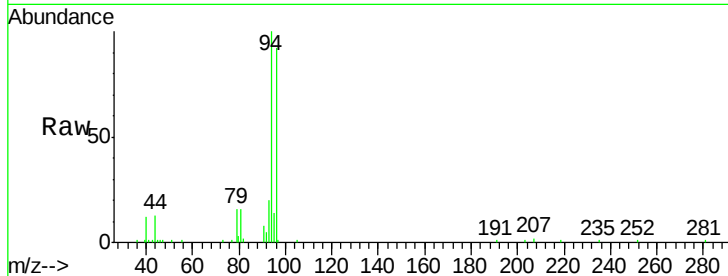
Ion Ratio Lower Upper

94 100

96 91.6 74.2 111.4

Manual Integrations
APPROVED

MMDadoda
2/28/2020 9:59:10 AM



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.76

25000

20000

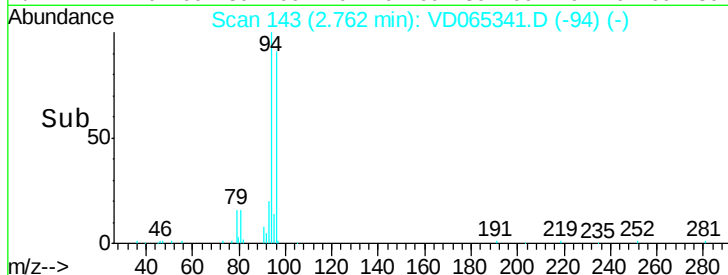
15000

10000

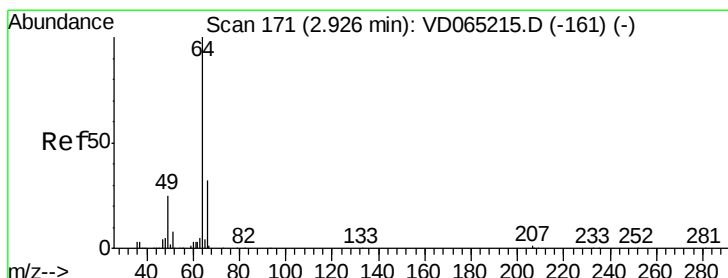
5000

0

Time-->



Time-->



#6

Chloroethane

Concen: 19.771 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD065341.D

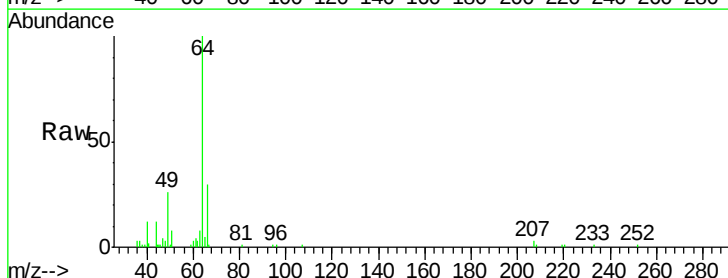
Acq: 27 Feb 2020 11:50

Tgt Ion: 64 Resp: 62034

Ion Ratio Lower Upper

64 100

66 30.4 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.93

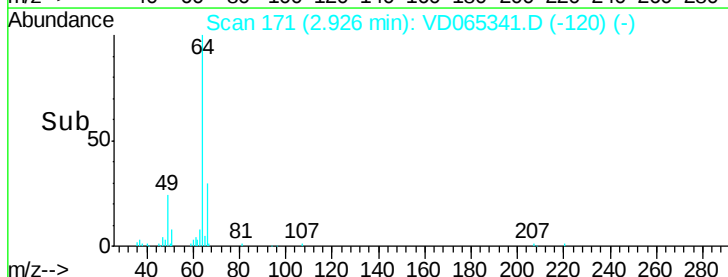
30000

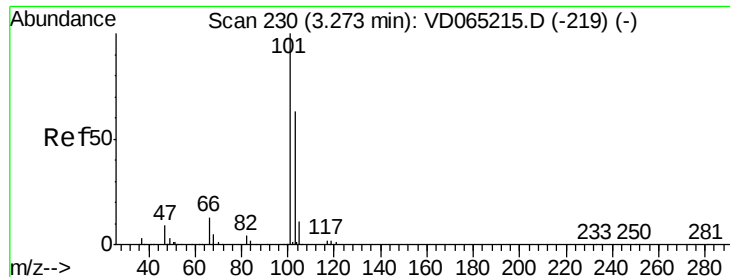
20000

10000

0

Time-->





#7

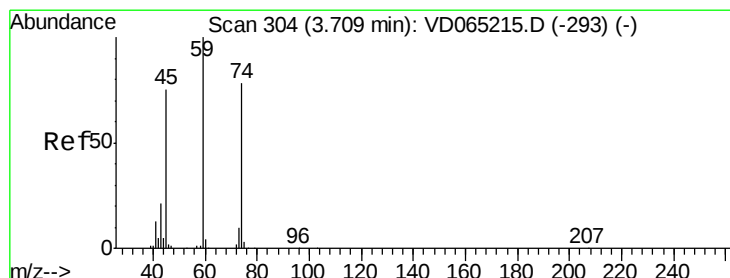
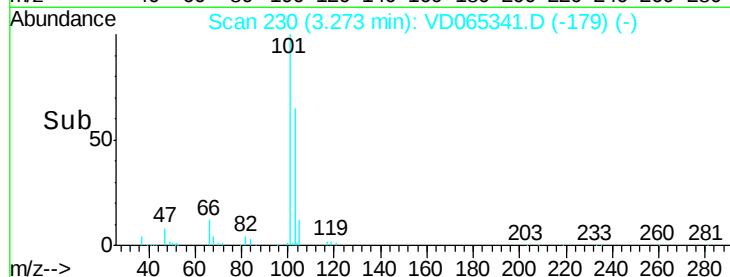
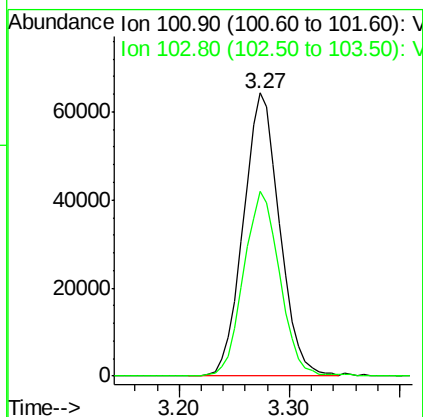
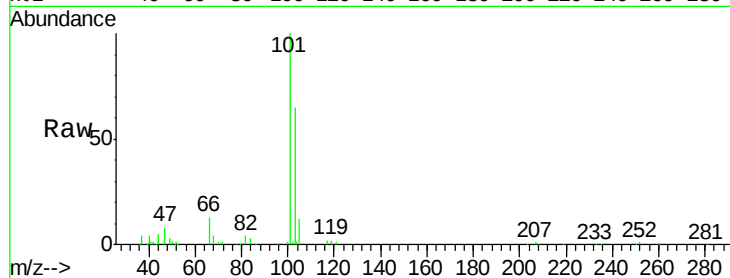
Trichlorofluoromethane
 Concen: 20.168 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD065341.D
 Acq: 27 Feb 2020 11:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0227SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.5	50.7	76.1

Manual Integrations
 APPROVED

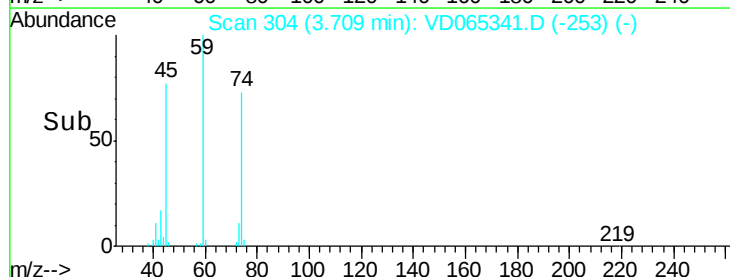
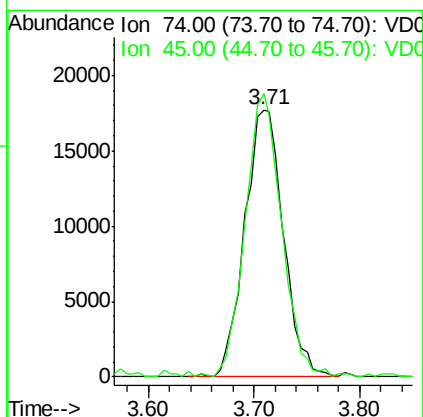
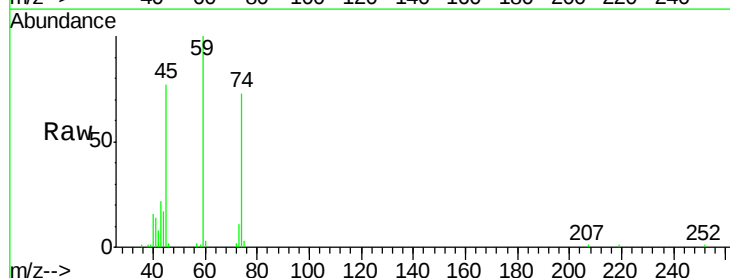
MMDadoda
 2/28/2020 9:59:10 AM

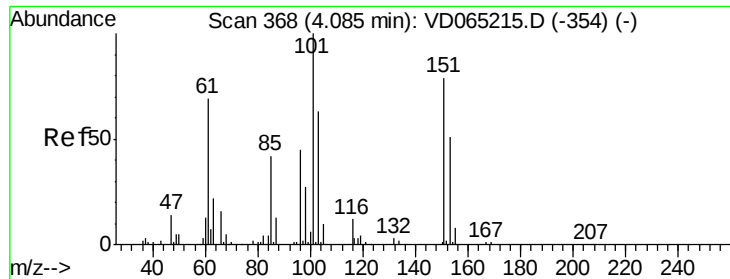


#8

Diethyl Ether
 Concen: 20.338 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD065341.D
 Acq: 27 Feb 2020 11:50

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.1	50.0	149.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.414 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD065341.D

Acq: 27 Feb 2020 11:50

Instrument :

MSVOA_D

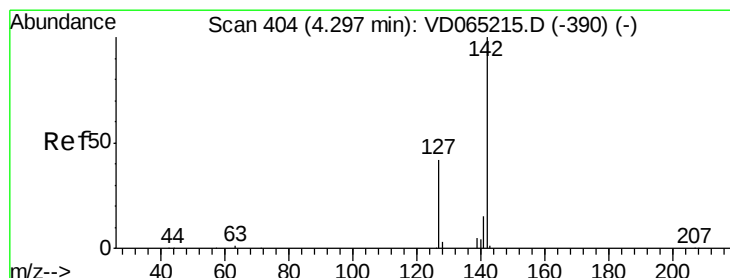
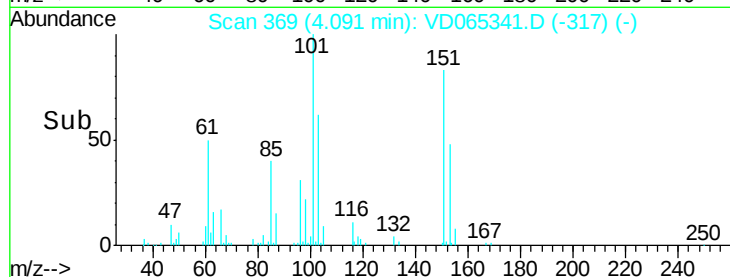
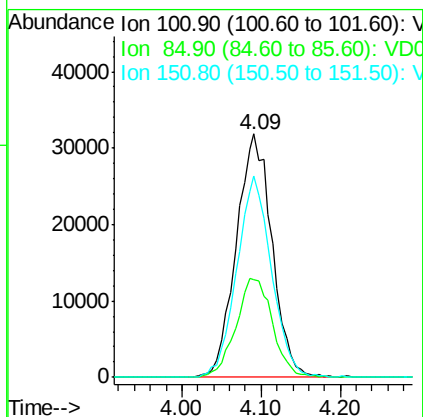
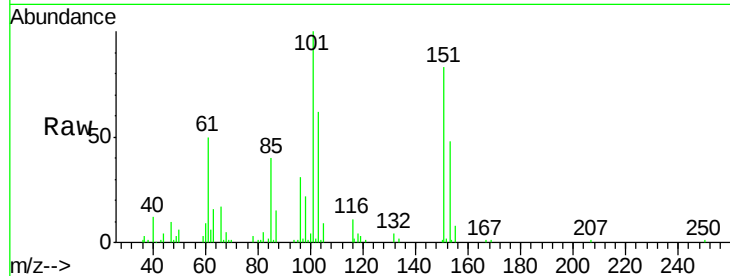
ClientSampleId :

VD0227SBS01

Tot Ion:	101	Resp:	99515
Ion Ratio	Lower	Upper	
101	100		
85	41.5	34.2	51.2
151	80.2	63.5	95.3

Manual Integrations
APPROVED

MMDadoda
2/28/2020 9:59:10 AM



#10

Methyl Iodide

Concen: 20.444 ug/l

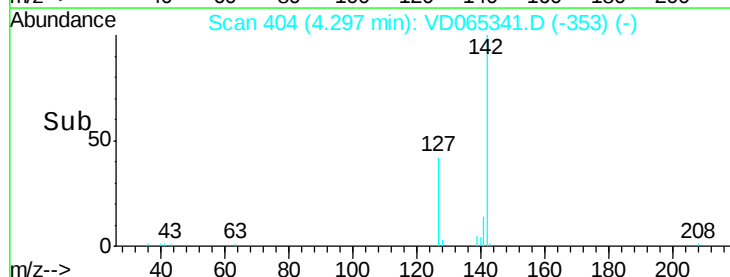
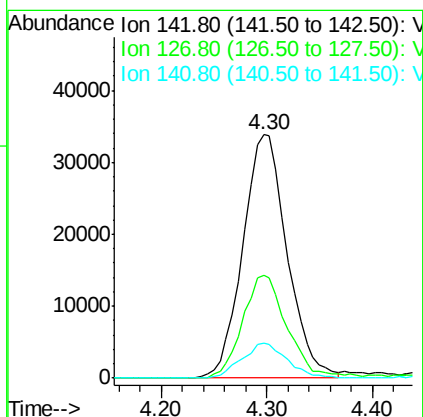
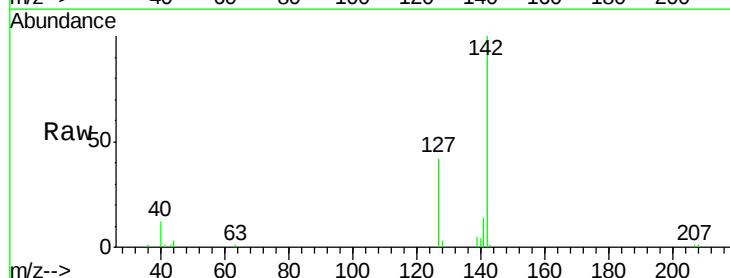
RT: 4.30 min Scan# 404

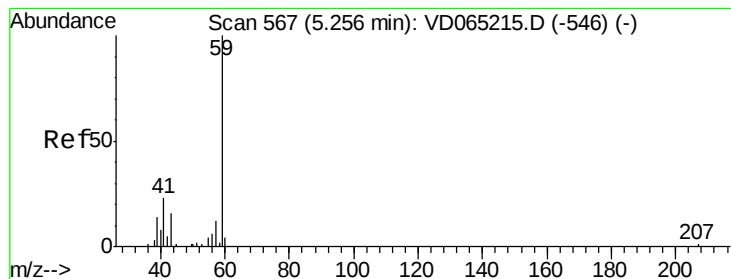
Delta R.T. 0.00 min

Lab File: VD065341.D

Acq: 27 Feb 2020 11:50

Tgt Ion:	142	Resp:	98648
Ion Ratio	Lower	Upper	
142	100		
127	42.1	33.8	50.8
141	14.5	11.7	17.5





#11

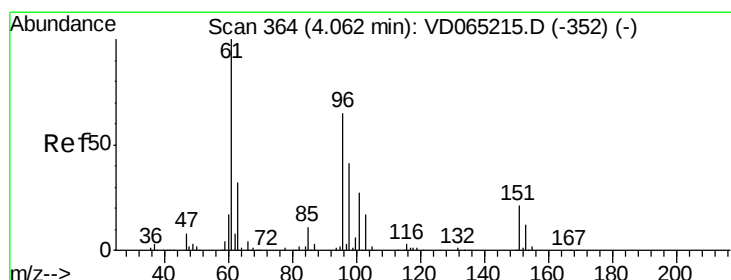
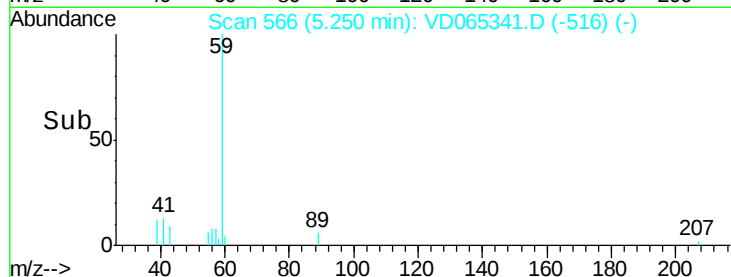
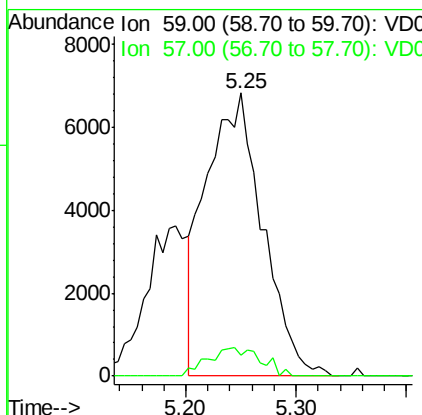
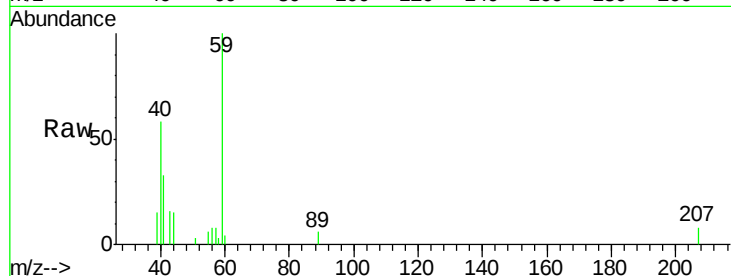
Tert butyl alcohol
Concen: 95.415 ug/l
RT: 5.25 min Scan# 566
Delta R.T. -0.01 min
Lab File: VD065341.D
Acq: 27 Feb 2020 11:50

Instrument :
MSVOA_D
ClientSampleId :
VD0227SBS01

Tot Ion	59	57	Ratio	100	9.5	Resp	24287	Lower	8.4	Upper	12.6
Ion	59	57	Ratio	100	9.5	Resp	24287	Lower	8.4	Upper	12.6

Manual Integrations
APPROVED

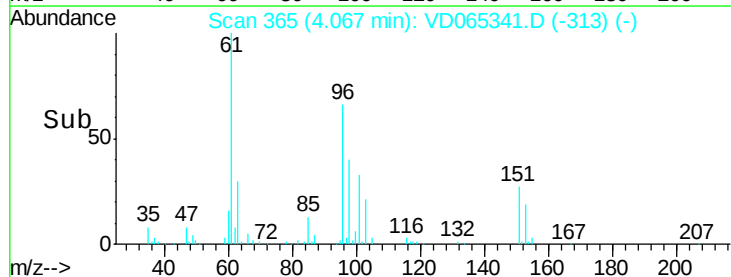
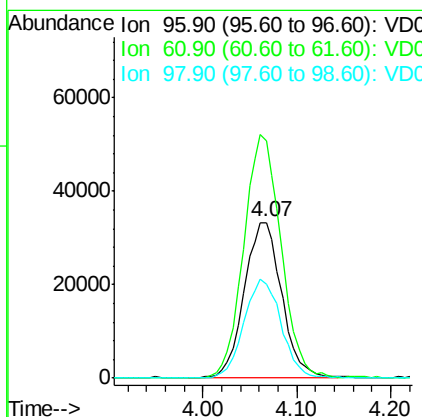
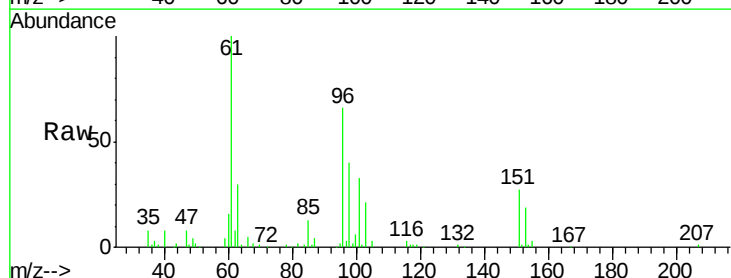
MMDadoda
2/28/2020 9:59:10 AM

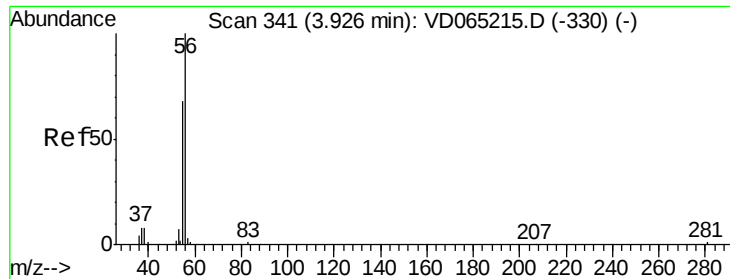


#12

1,1-Dichloroethene
Concen: 20.935 ug/l
RT: 4.07 min Scan# 365
Delta R.T. 0.01 min
Lab File: VD065341.D
Acq: 27 Feb 2020 11:50

Tgt Ion	96	61	98	Ratio	100	152.3	60.2	Resp	91905	Lower	123.3	51.0	Upper	184.9	76.4
Ion	96	61	98	Ratio	100	152.3	60.2	Resp	91905	Lower	123.3	51.0	Upper	184.9	76.4





#13

Acrolein

Concen: 92.184 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD065341.D

Acq: 27 Feb 2020 11:50

Instrument :

MSVOA_D

ClientSampleId :

VD0227SBS01

Tot Ion: 56 Resp: 34500

Ion Ratio Lower Upper

56 100

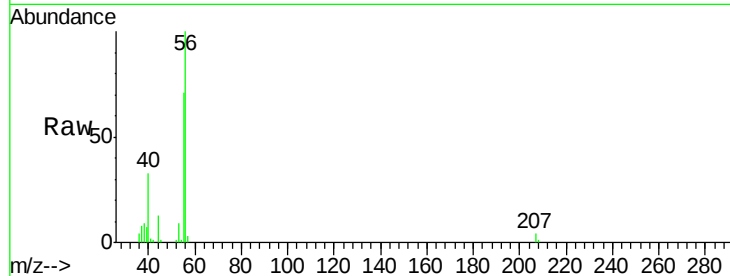
55 72.3 56.6 85.0

Manual Integrations

APPROVED

MMDadoda

2/28/2020 9:59:10 AM



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.93

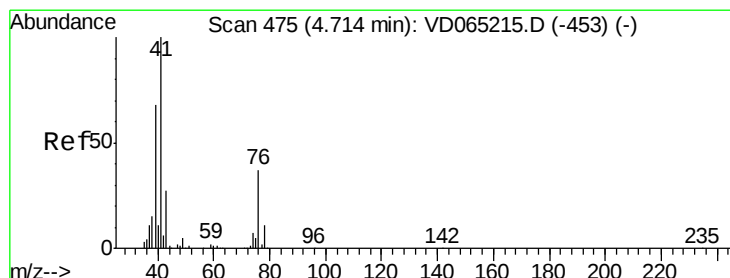
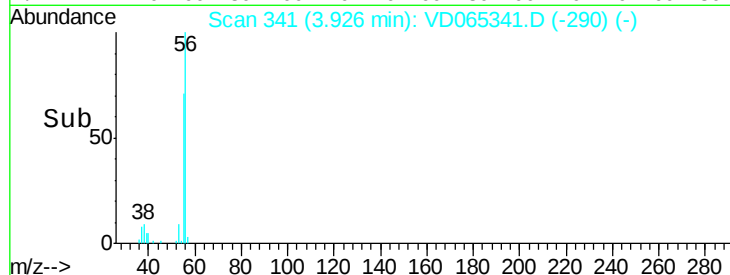
15000

10000

5000

0

Time--> 3.80 3.90 4.00



#14

Allyl chloride

Concen: 20.105 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD065341.D

Acq: 27 Feb 2020 11:50

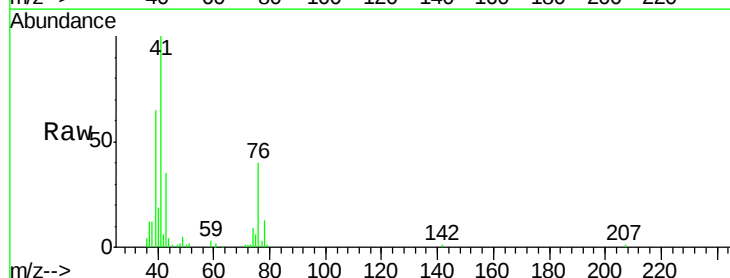
Tgt Ion: 41 Resp: 143328

Ion Ratio Lower Upper

41 100

39 65.6 53.8 80.6

76 37.3 28.7 43.1



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

4.72

60000

50000

40000

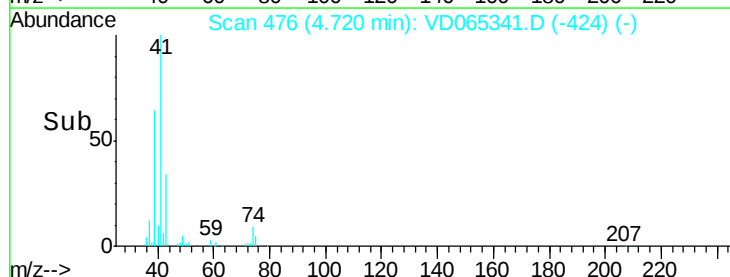
30000

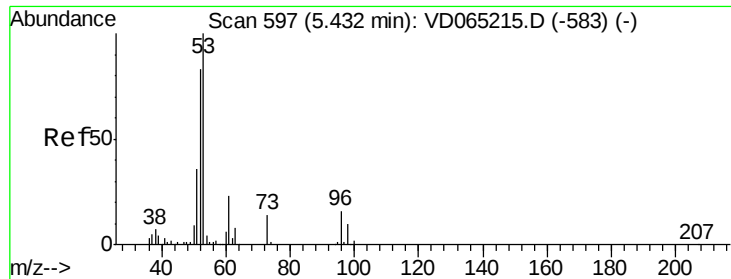
20000

10000

0

Time--> 4.60 4.70 4.80





#15

Acrylonitrile

Concen: 99.196 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD065341.D

Acq: 27 Feb 2020 11:50

Instrument :

MSVOA_D

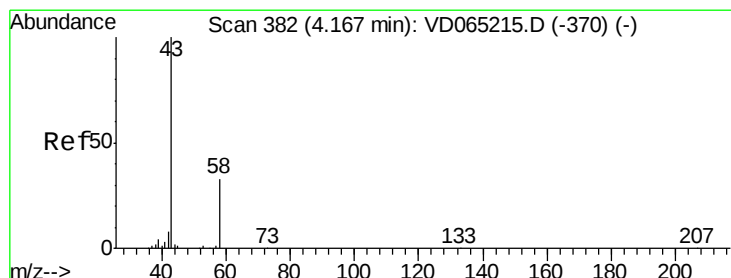
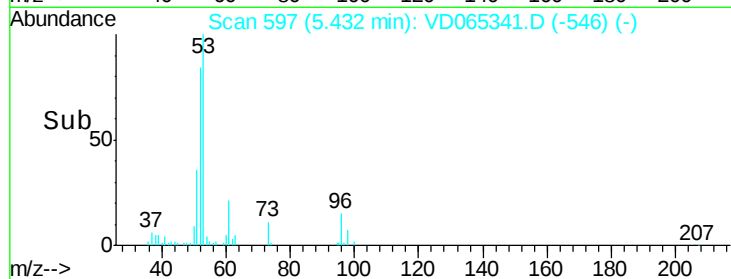
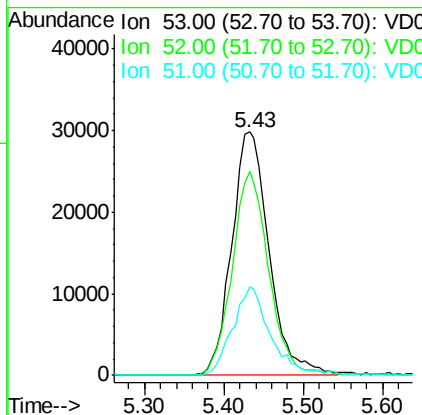
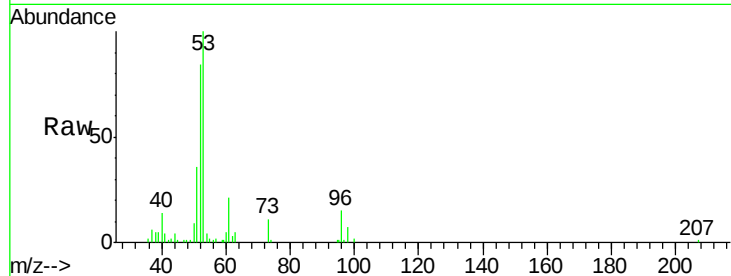
ClientSampleId :

VD0227SBS01

Tot Ion:	53	Resp:	97557
Ion Ratio	Lower	Upper	
53	100		
52	81.7	65.4	98.2
51	36.2	29.5	44.3

Manual Integrations
APPROVED

MMDadoda
2/28/2020 9:59:10 AM



#16

Acetone

Concen: 82.436 ug/l

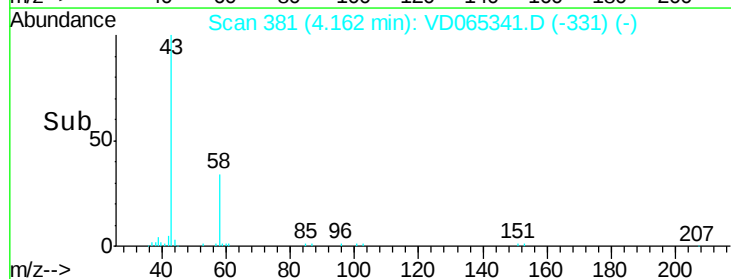
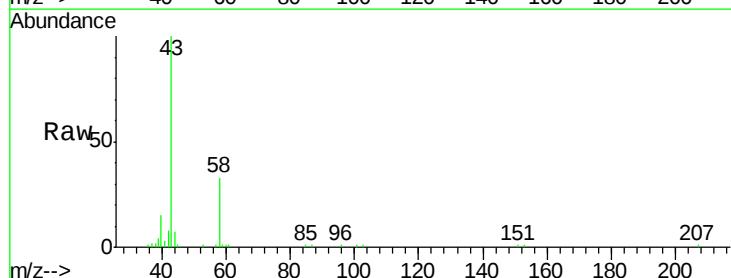
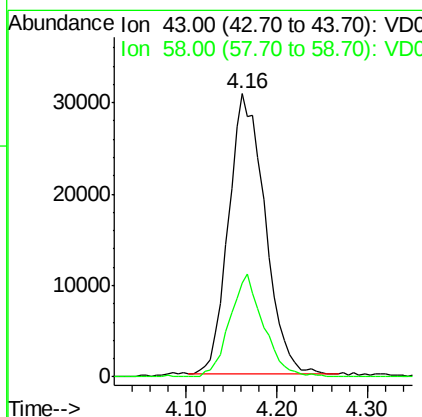
RT: 4.16 min Scan# 381

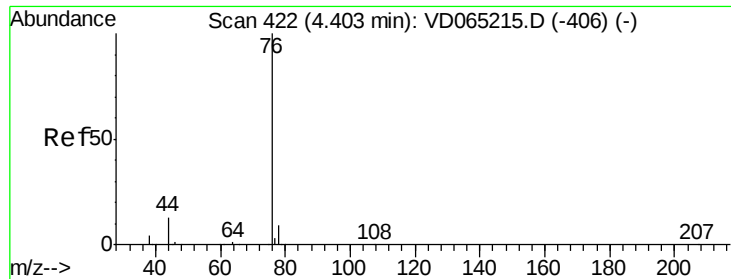
Delta R.T. -0.01 min

Lab File: VD065341.D

Acq: 27 Feb 2020 11:50

Tgt Ion:	43	Resp:	85838
Ion Ratio	Lower	Upper	
43	100		
58	33.5	26.2	39.2





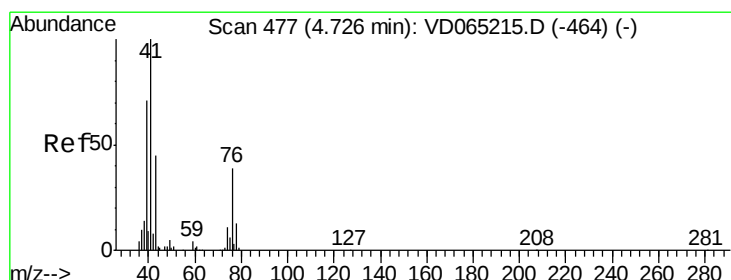
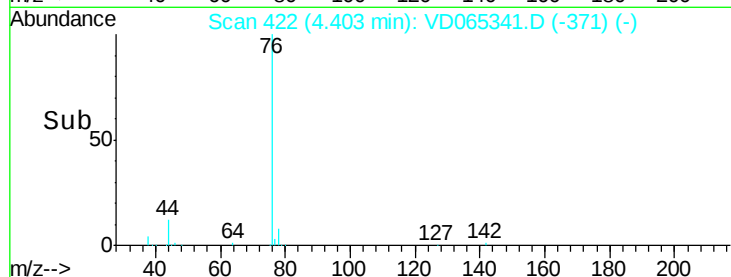
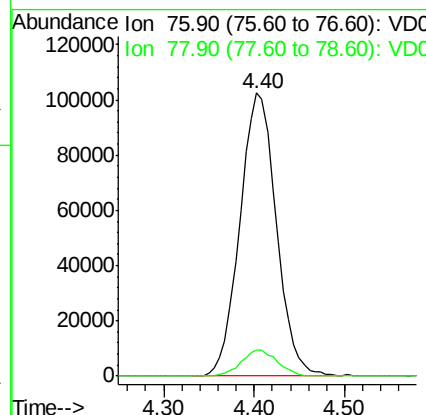
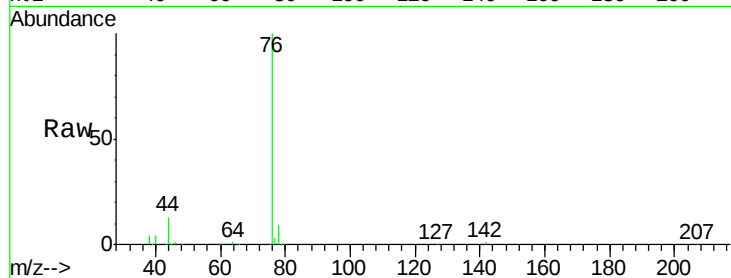
#17
Carbon Disulfide
Concen: 19.481 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.00 min
Lab File: VD065341.D
Acq: 27 Feb 2020 11:50

Instrument :
MSVOA_D
ClientSampleId :
VD0227SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.0	10.6

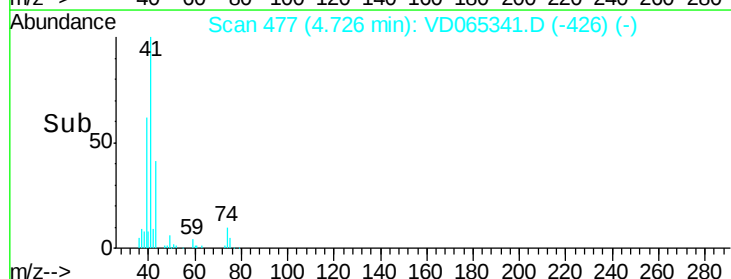
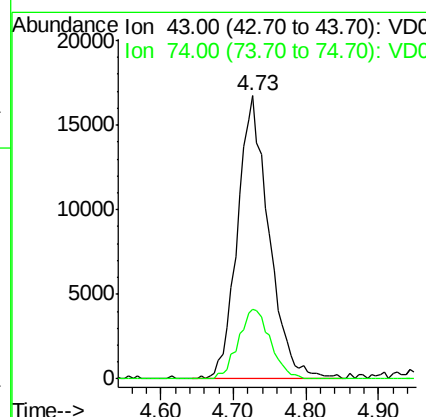
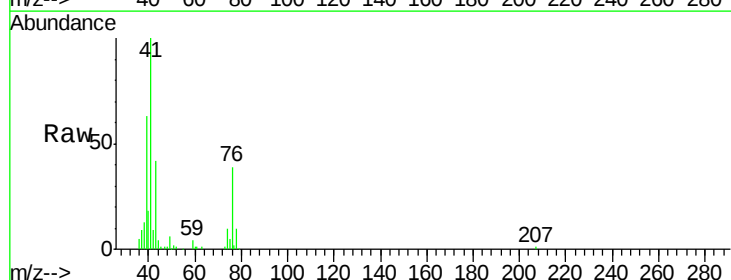
Manual Integrations
APPROVED

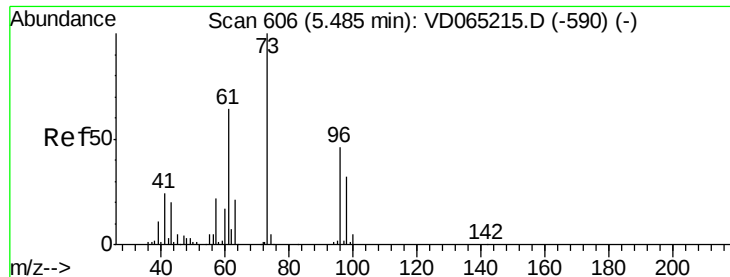
MMDadoda
2/28/2020 9:59:10 AM



#18
Methyl Acetate
Concen: 21.569 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD065341.D
Acq: 27 Feb 2020 11:50

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.9	19.4	29.2





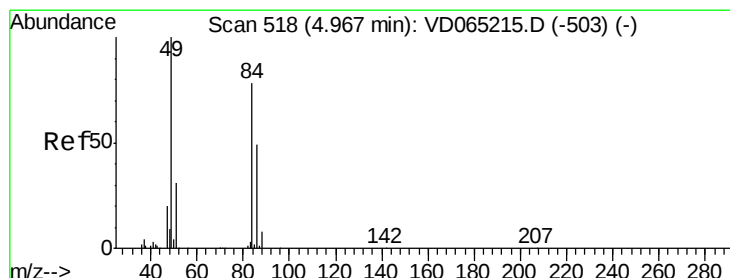
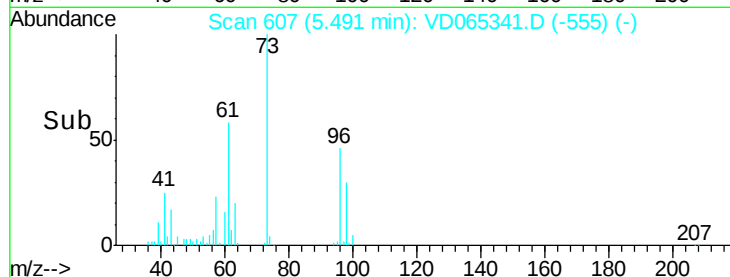
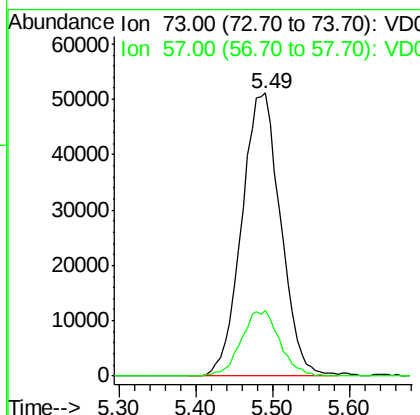
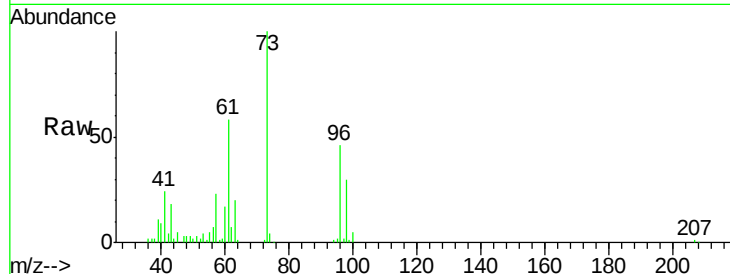
#19
Methvl tert-butvl Ether
Concen: 19.764 ug/l
RT: 5.49 min Scan# 607
Delta R.T. 0.01 min
Lab File: VD065341.D
Acq: 27 Feb 2020 11:50

Instrument :
MSVOA_D
ClientSampleId :
VD0227SBS01

Tot Ion: 73 Resp: 180938
Ion Ratio Lower Upper
73 100
57 23.3 17.3 25.9

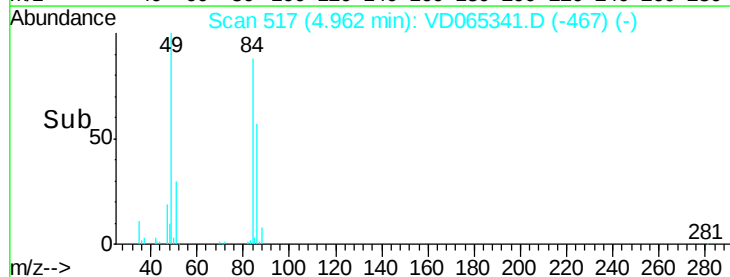
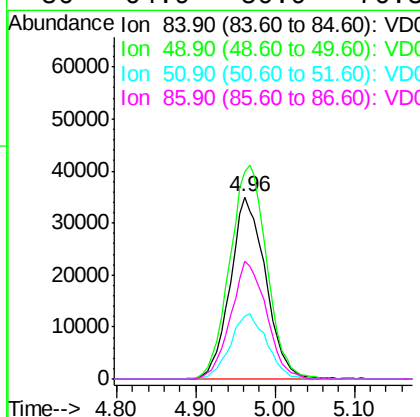
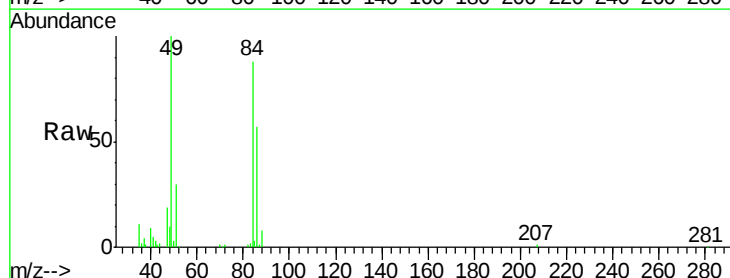
Manual Integrations
APPROVED

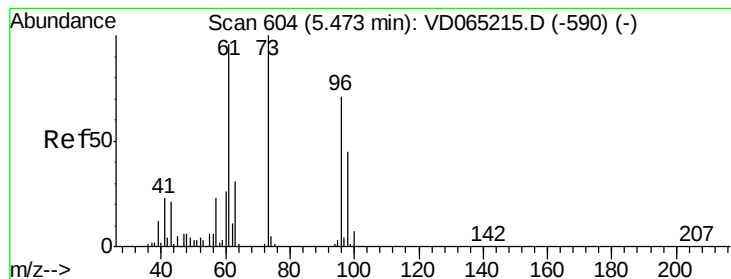
MMDadoda
2/28/2020 9:59:10 AM



#20
Methylene Chloride
Concen: 20.708 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065341.D
Acq: 27 Feb 2020 11:50

Tgt Ion: 84 Resp: 108508
Ion Ratio Lower Upper
84 100
49 113.8 103.1 154.7
51 34.2 31.7 47.5
86 64.9 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 21.114 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD065341.D

Acq: 27 Feb 2020 11:50

Instrument :

MSVOA_D

ClientSampleId :

VD0227SBSD01

Tot Ion: 96 Resp: 105373

Ion Ratio Lower Upper

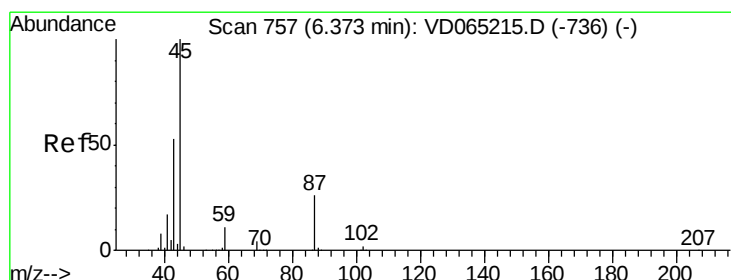
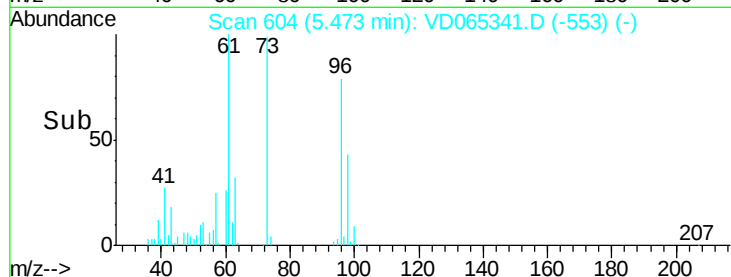
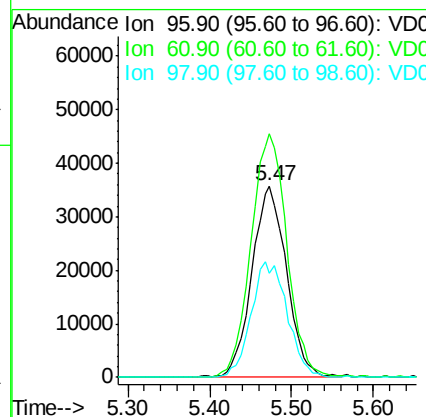
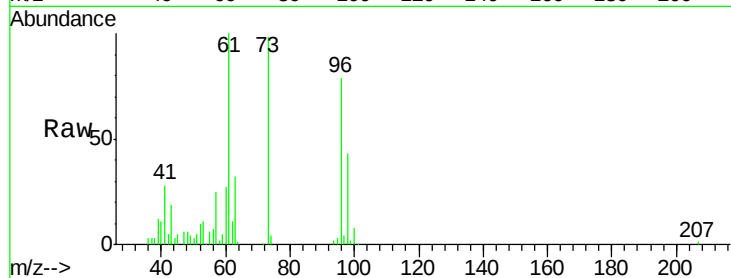
96 100

61 127.4 108.3 162.5

98 54.5 50.7 76.1

Manual Integrations
APPROVED

MMDadoda
2/28/2020 9:59:10 AM



#22

Diisopropyl ether

Concen: 20.954 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD065341.D

Acq: 27 Feb 2020 11:50

Tgt Ion: 45 Resp: 287979

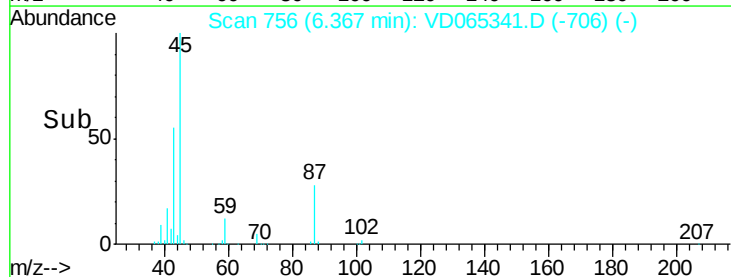
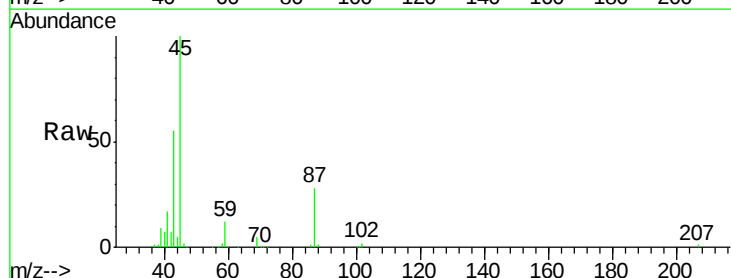
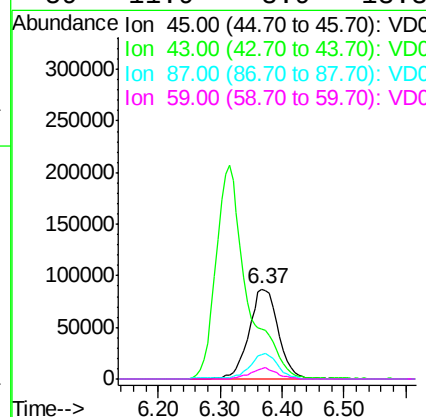
Ion Ratio Lower Upper

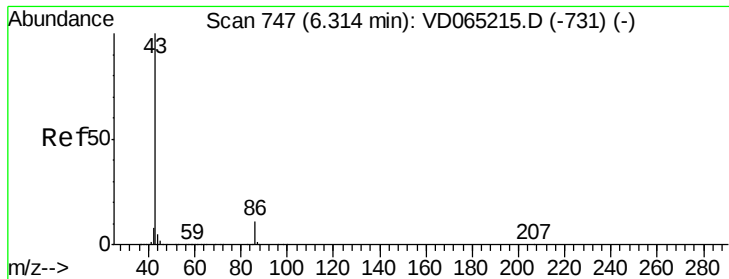
45 100

43 54.2 42.6 64.0

87 27.3 21.2 31.8

59 11.9 8.9 13.3





#23

Vinyl Acetate

Concen: 94.297 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD065341.D

Acq: 27 Feb 2020 11:50

Instrument :

MSVOA_D

ClientSampleId :

VD0227SBS01

Tot Ion: 43 Resp: 714445

Ion Ratio Lower Upper

43 100

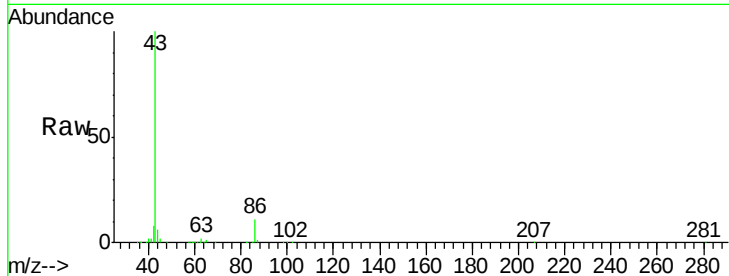
86 10.6 8.6 12.8

Manual Integrations

APPROVED

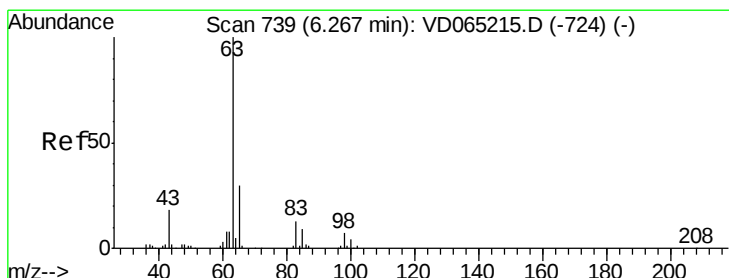
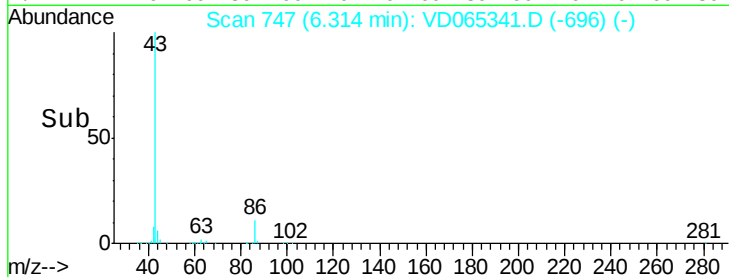
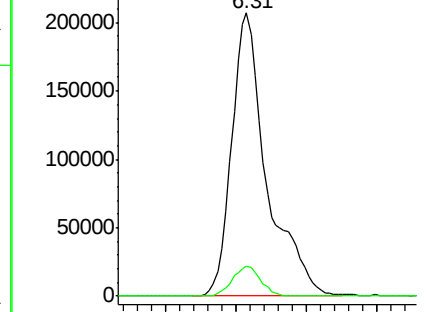
MMDadoda

2/28/2020 9:59:10 AM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.762 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD065341.D

Acq: 27 Feb 2020 11:50

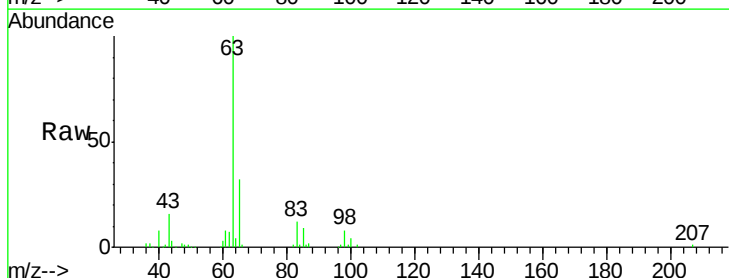
Tgt Ion: 63 Resp: 176985

Ion Ratio Lower Upper

63 100

98 8.0 3.4 10.1

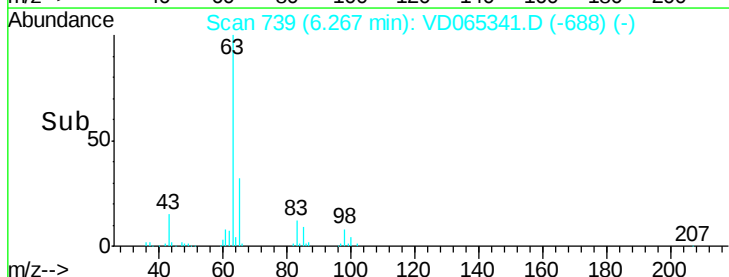
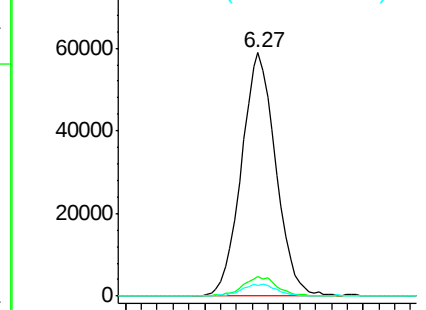
100 4.2 2.3 6.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 89.271 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD065341.D

Acq: 27 Feb 2020 11:50

Instrument :

MSVOA_D

ClientSampleId :

VD0227SBS01

Tot Ion: 43 Resp: 117608

Ion Ratio Lower Upper

43 100

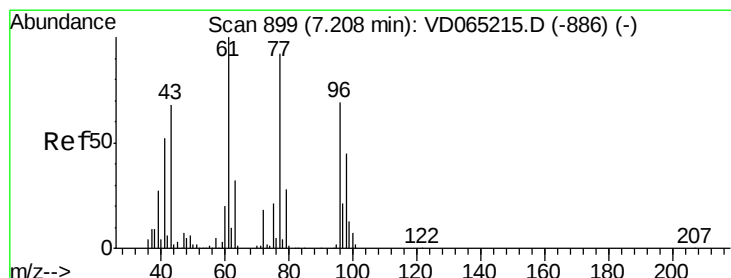
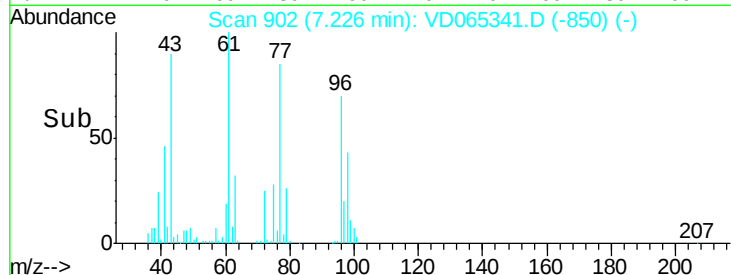
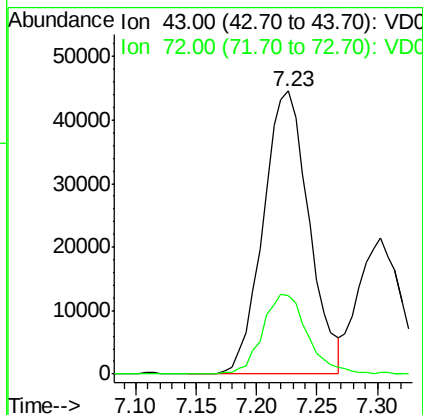
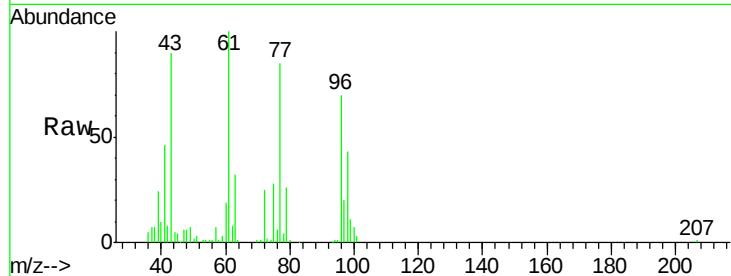
72 27.6 20.9 31.3

Manual Integrations

APPROVED

MMDadoda

2/28/2020 9:59:10 AM



#26

2,2-Dichloropropane

Concen: 20.594 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD065341.D

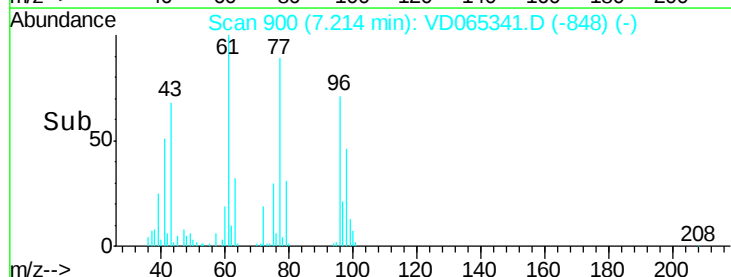
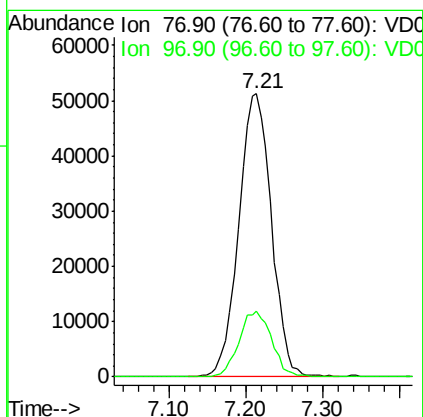
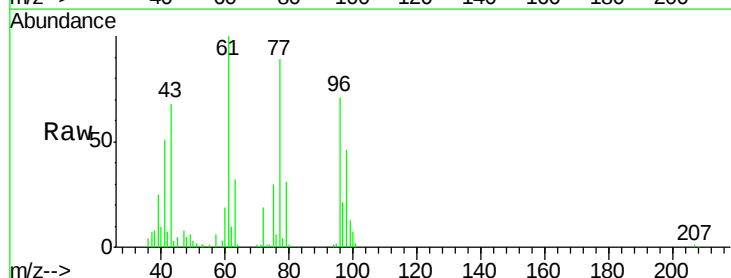
Acq: 27 Feb 2020 11:50

Tgt Ion: 77 Resp: 152316

Ion Ratio Lower Upper

77 100

97 23.3 11.7 35.1





#27

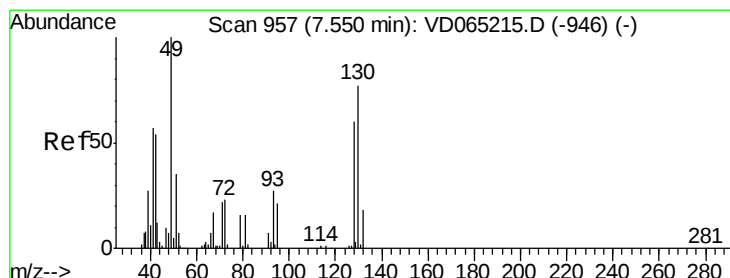
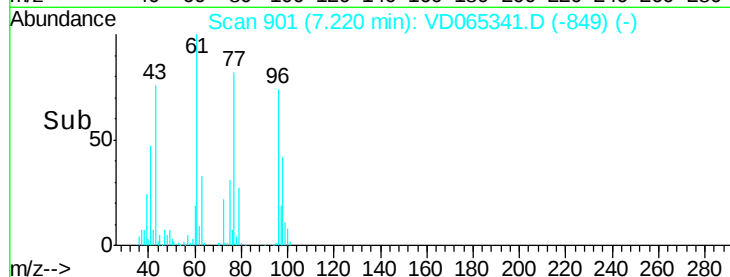
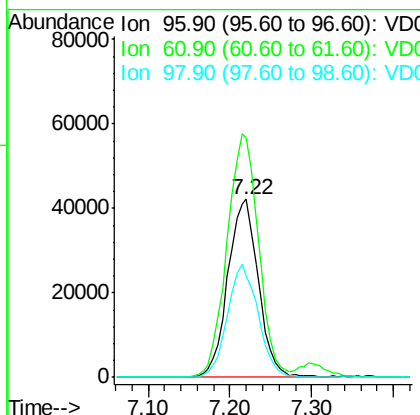
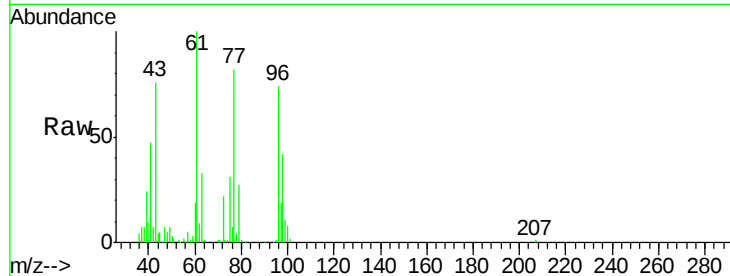
cis-1,2-Dichloroethene
Concen: 20.725 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.01 min
Lab File: VD065341.D
Acq: 27 Feb 2020 11:50

Instrument :
MSVOA_D
ClientSampleId :
VD0227SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	140.9	0.0	286.0	
98	63.8	0.0	127.8	

Manual Integrations
APPROVED

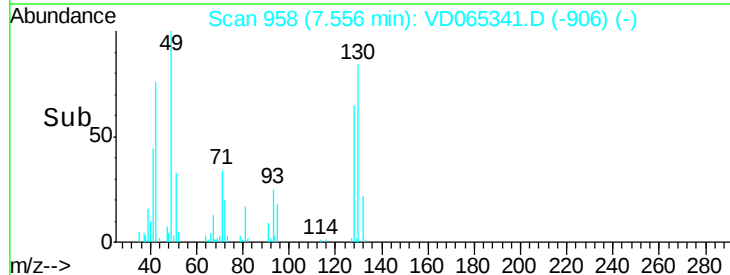
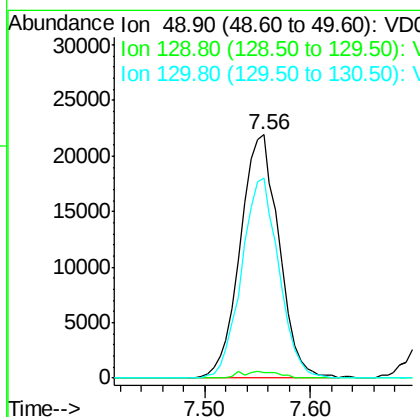
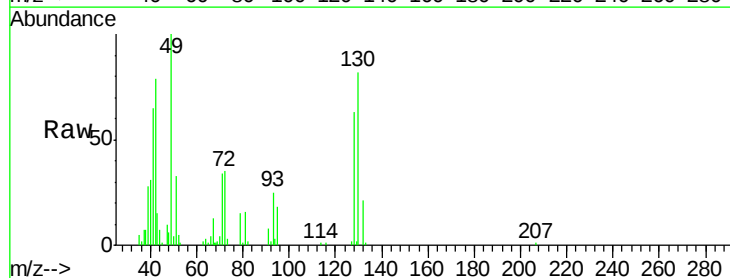
MMDadoda
2/28/2020 9:59:10 AM

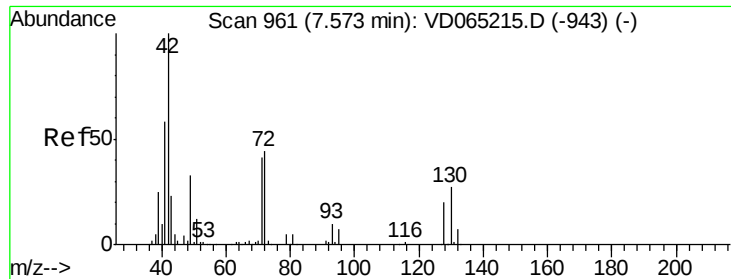


#28

Bromochloromethane
Concen: 17.664 ug/l
RT: 7.56 min Scan# 958
Delta R.T. 0.01 min
Lab File: VD065341.D
Acq: 27 Feb 2020 11:50

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.6	0.0	4.6	
130	79.2	64.7	97.1	





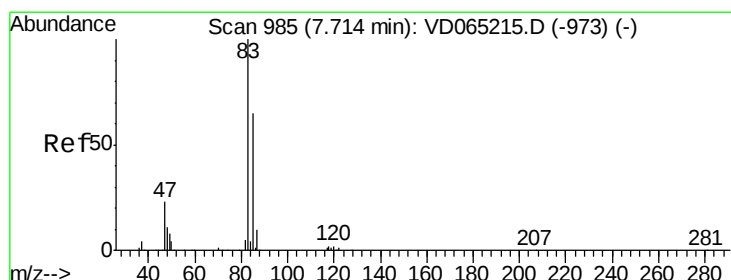
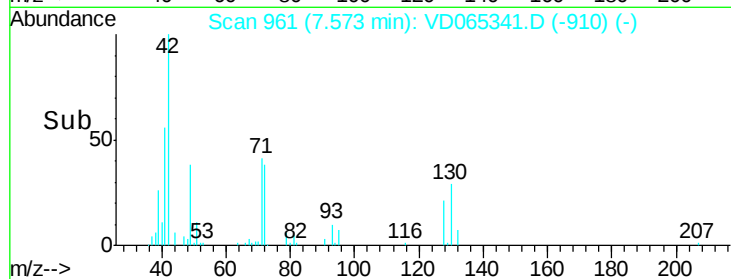
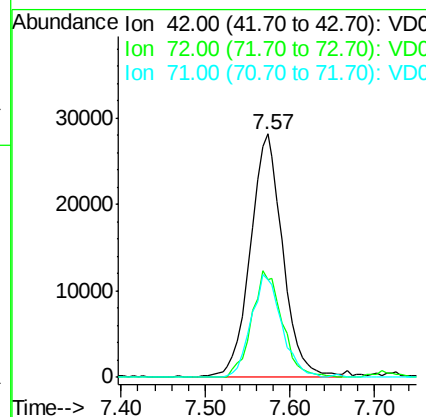
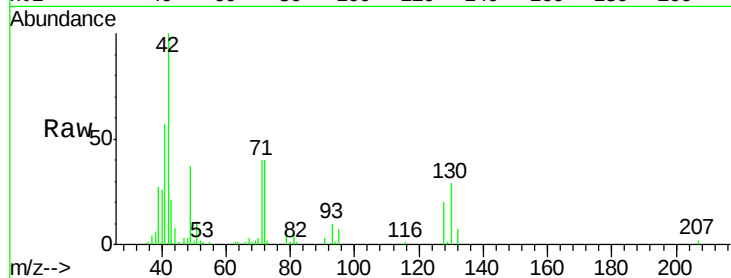
#29
Tetrahydrofuran
Concen: 97.711 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD065341.D
Acq: 27 Feb 2020 11:50

Instrument :
MSVOA_D
ClientSampleId :
VD0227SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.0	33.7	50.5
71	39.5	31.4	47.2

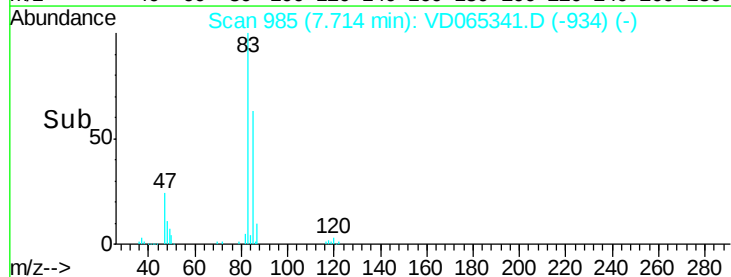
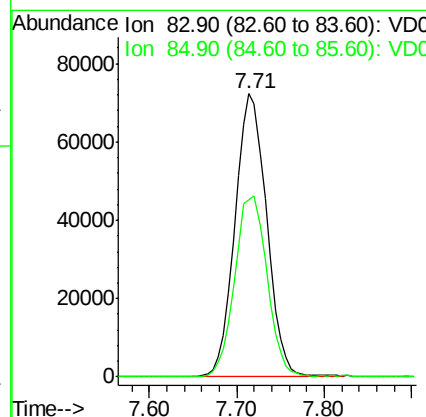
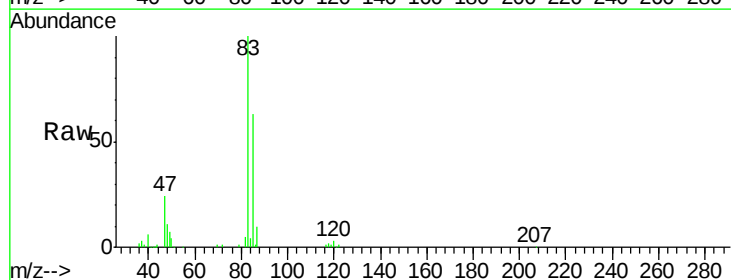
Manual Integrations
APPROVED

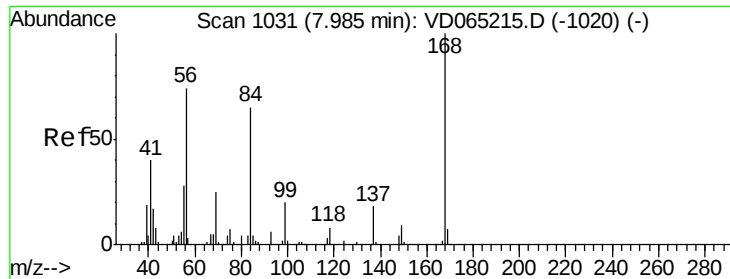
MMDadoda
2/28/2020 9:59:10 AM



#30
Chloroform
Concen: 20.684 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065341.D
Acq: 27 Feb 2020 11:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.5	52.3	78.5





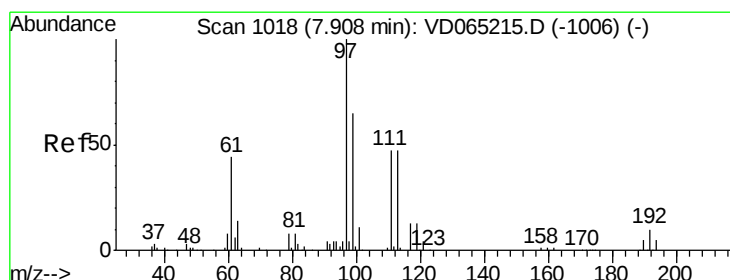
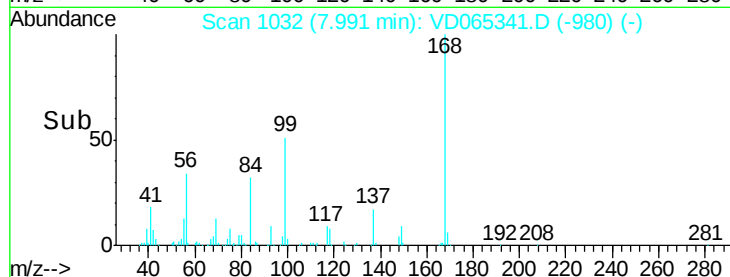
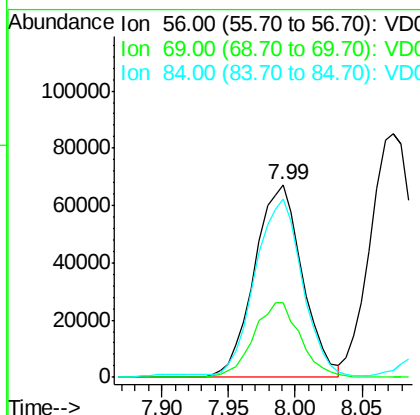
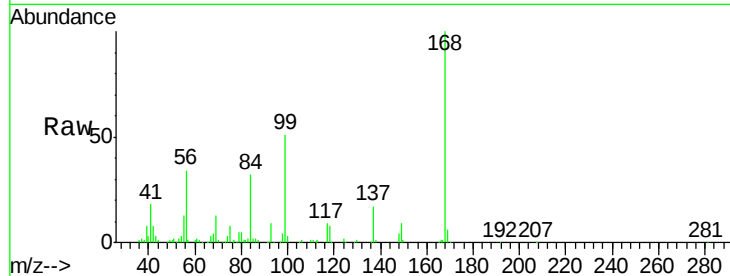
#31
Cyclohexane
Concen: 20.016 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VD065341.D
Acq: 27 Feb 2020 11:50

Instrument :
MSVOA_D
ClientSampleId :
VD0227SBS01

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	38.6	27.4	41.0	
84	91.4	71.1	106.7	

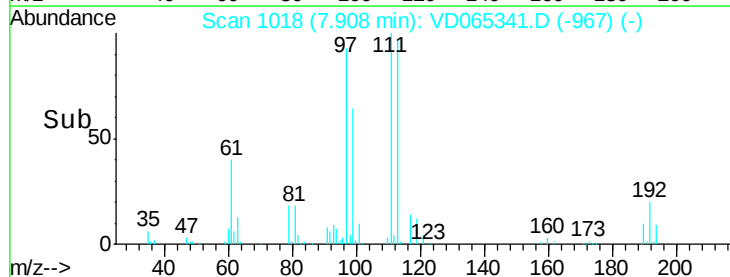
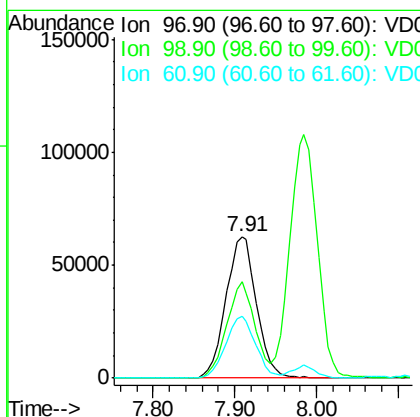
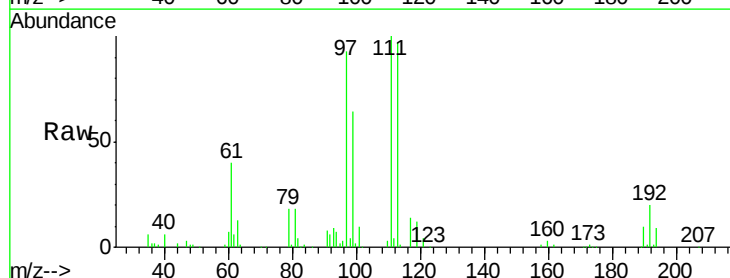
Manual Integrations
APPROVED

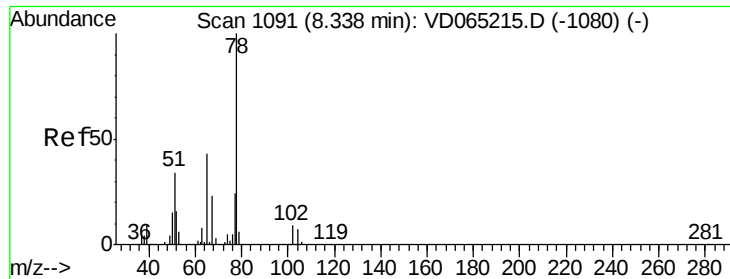
MMDadoda
2/28/2020 9:59:10 AM



#32
1,1,1-Trichloroethane
Concen: 21.173 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD065341.D
Acq: 27 Feb 2020 11:50

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	63.4	51.4	77.2	
61	42.9	34.8	52.2	





#33

1,2-Dichloroethane-d4

Concen: 48.113 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD065341.D

Acq: 27 Feb 2020 11:50

Instrument :

MSVOA_D

ClientSampleId :

VD0227SBS01

Tot Ion: 65 Resp: 204943

Ion Ratio Lower Upper

65 100

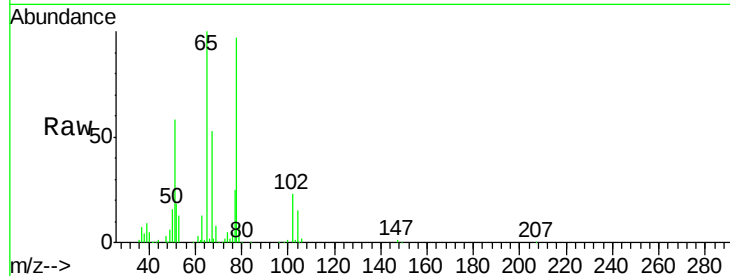
67 52.9 0.0 106.8

Manual Integrations

APPROVED

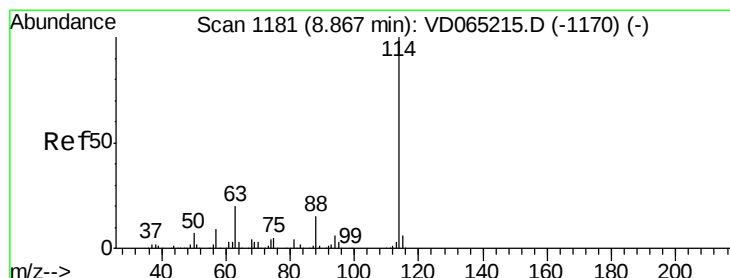
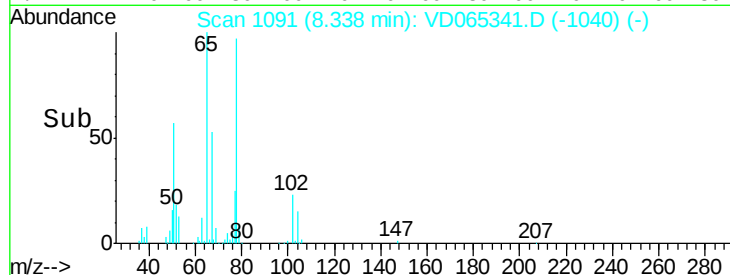
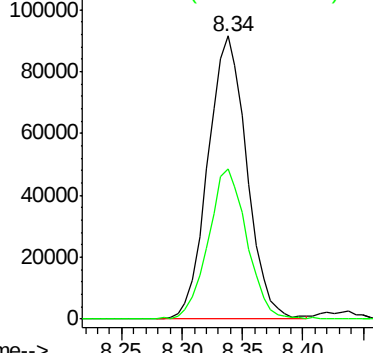
MMDadoda

2/28/2020 9:59:10 AM



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# 1181

Delta R.T. 0.00 min

Lab File: VD065341.D

Acq: 27 Feb 2020 11:50

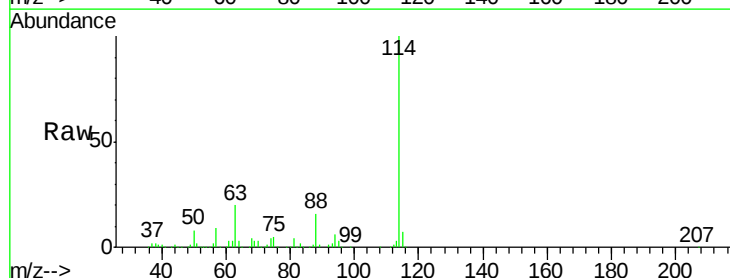
Tgt Ion: 114 Resp: 708662

Ion Ratio Lower Upper

114 100

63 20.3 0.0 39.4

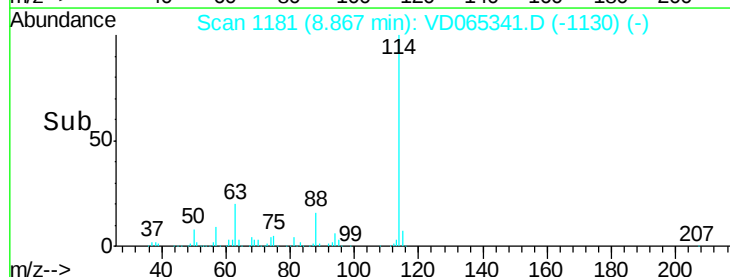
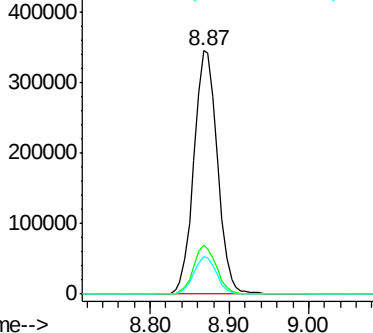
88 15.7 0.0 30.4

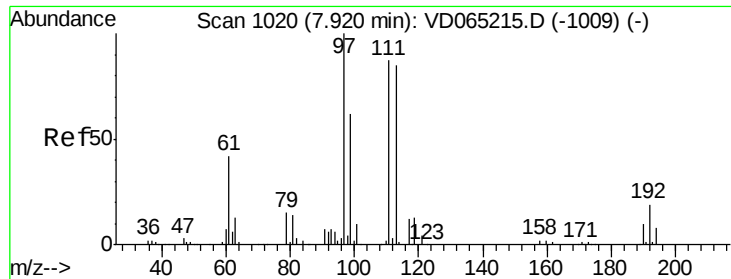


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





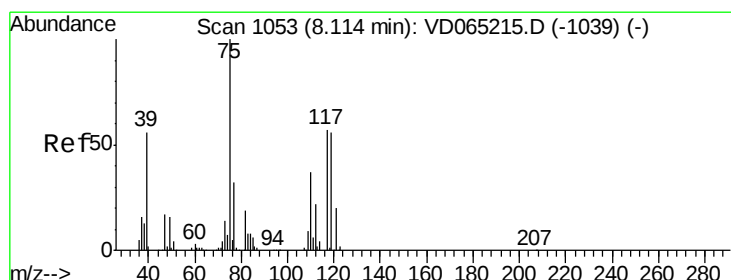
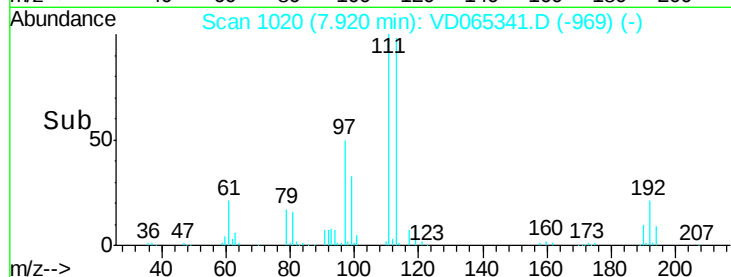
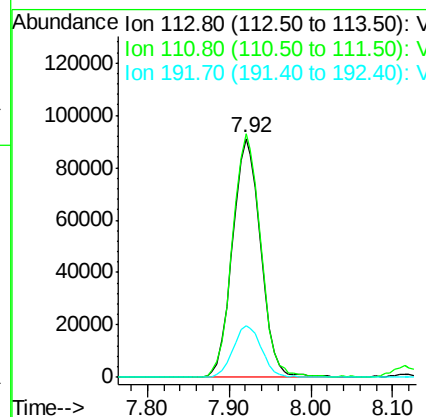
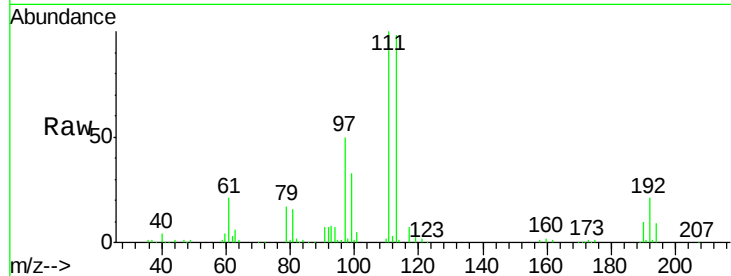
#35
 Dibromofluoromethane
 Concen: 50.552 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065341.D
 Acq: 27 Feb 2020 11:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0227SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	218436		
111	102.2	82.9	124.3	
192	21.8	17.3	25.9	

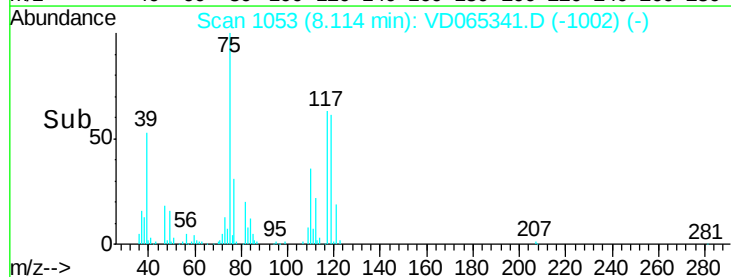
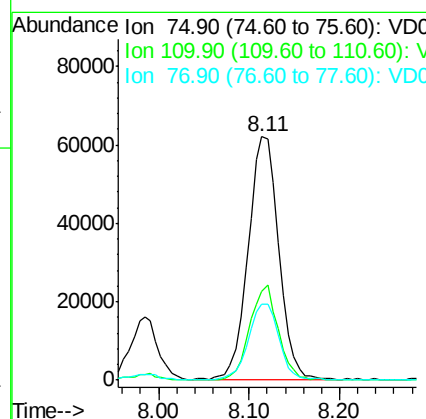
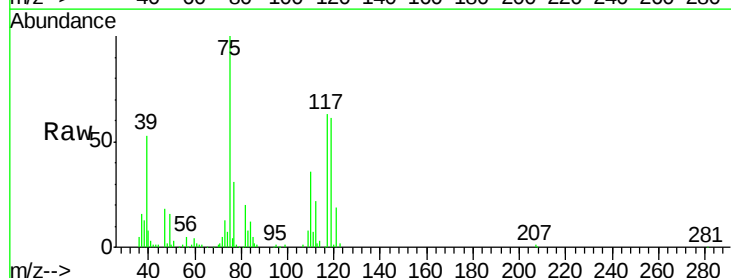
Manual Integrations
 APPROVED

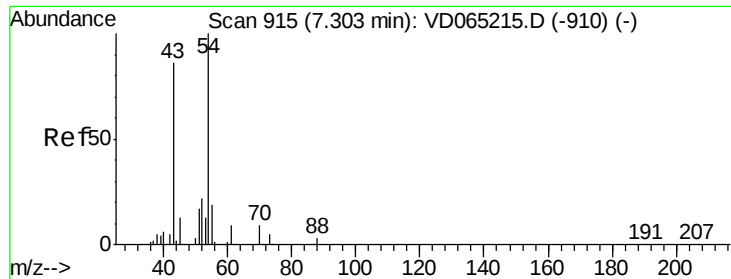
MMDadoda
 2/28/2020 9:59:10 AM



#36
 1,1-Dichloropropene
 Concen: 21.181 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065341.D
 Acq: 27 Feb 2020 11:50

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	146050		
110	36.0	17.9	53.7	
77	31.4	25.1	37.7	





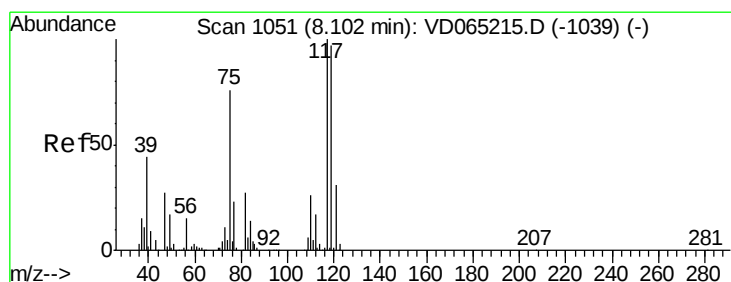
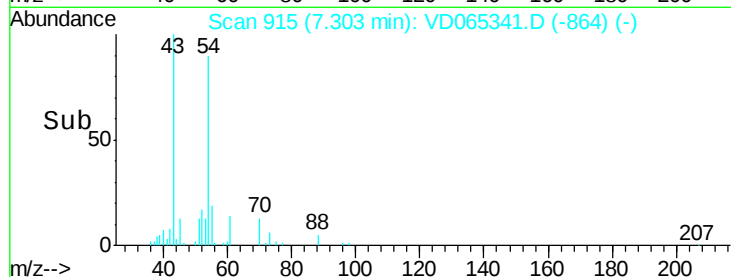
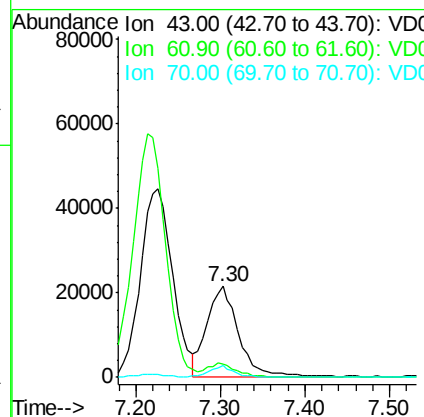
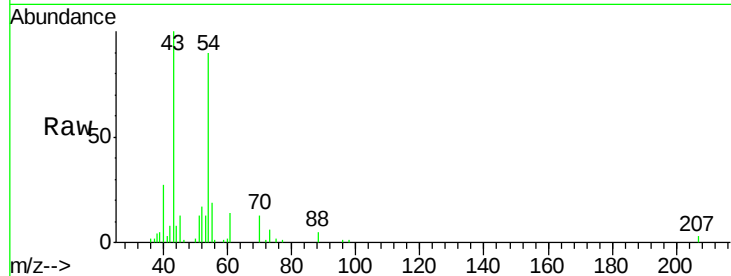
#37
Ethyl Acetate
Concen: 19.500 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD065341.D
Acq: 27 Feb 2020 11:50

Instrument :
MSVOA_D
ClientSampleId :
VD0227SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.2	16.8
70	9.9	8.2	12.2

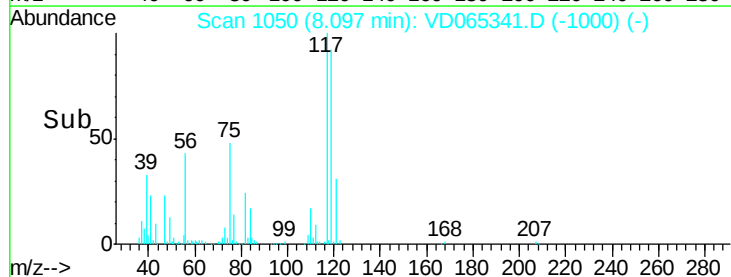
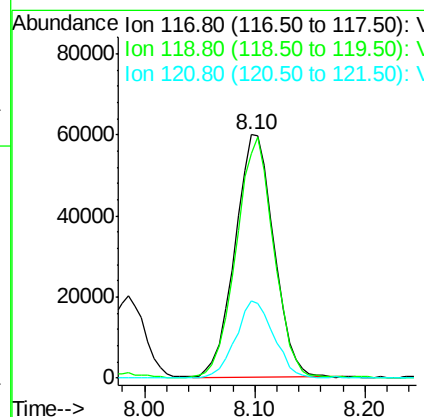
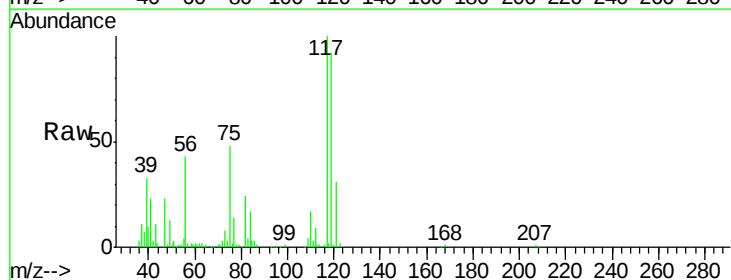
Manual Integrations
APPROVED

MMDadoda
2/28/2020 9:59:10 AM



#38
Carbon Tetrachloride
Concen: 21.088 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD065341.D
Acq: 27 Feb 2020 11:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.0	77.6	116.4
121	31.4	24.8	37.2





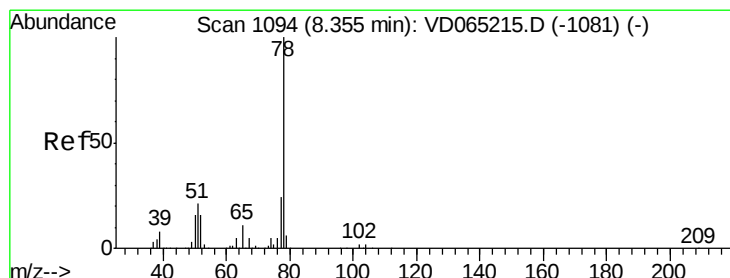
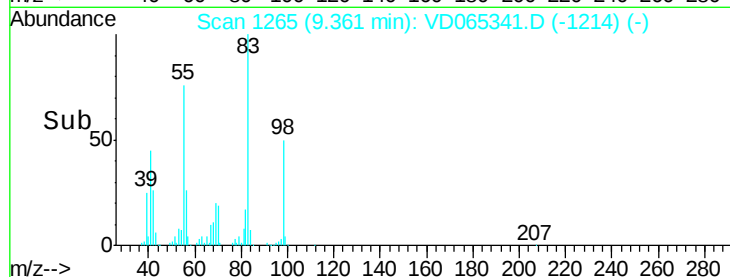
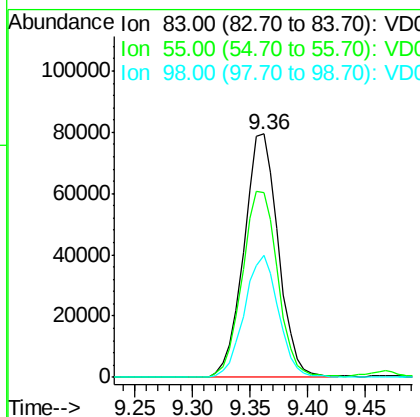
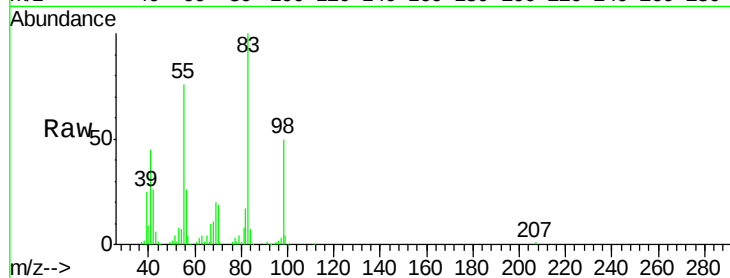
#39
Methvlcvclohexane
Concen: 20.415 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VD065341.D
Acq: 27 Feb 2020 11:50

Instrument :
MSVOA_D
ClientSampleId :
VD0227SBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.9	61.8	92.6
98	50.0	39.4	59.0

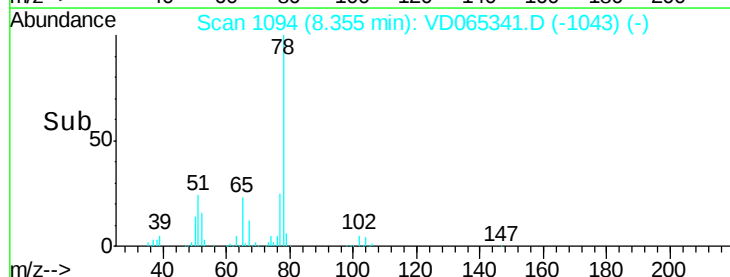
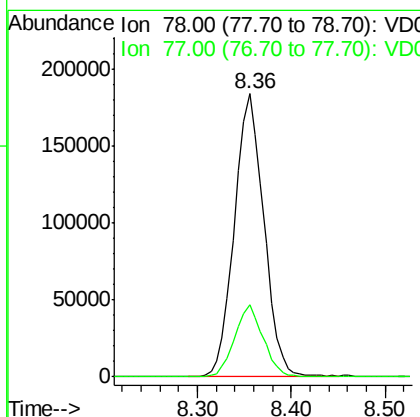
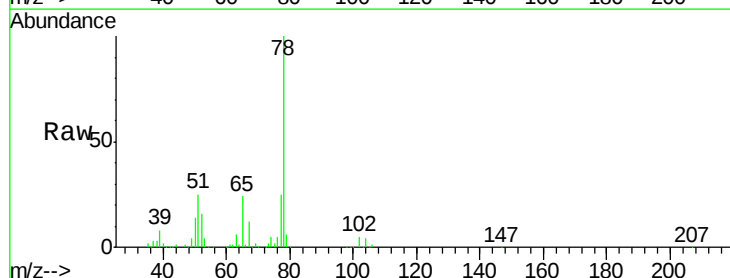
Manual Integrations
APPROVED

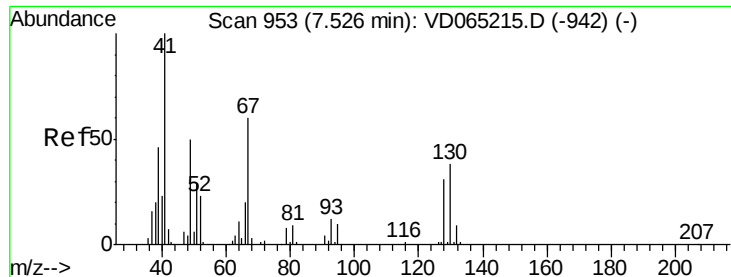
MMDadoda
2/28/2020 9:59:10 AM



#40
Benzene
Concen: 20.672 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065341.D
Acq: 27 Feb 2020 11:50

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.5	19.0	28.6





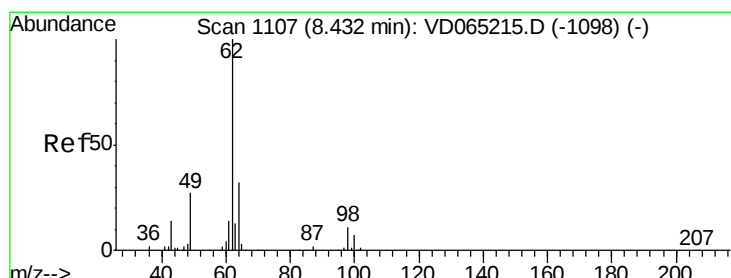
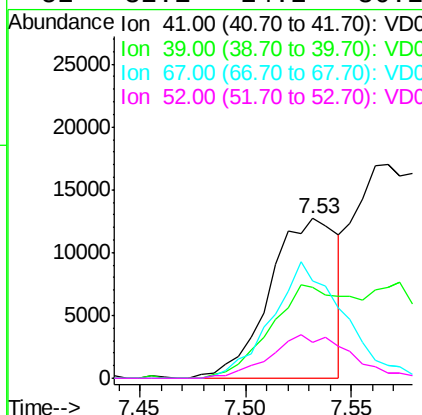
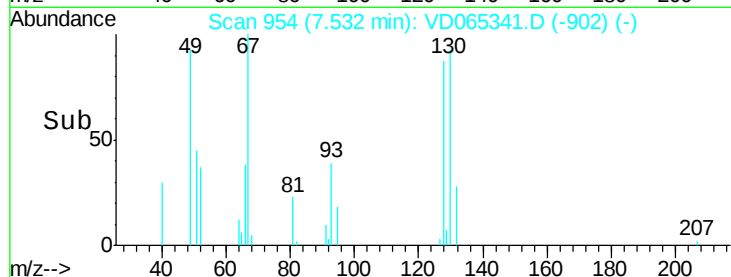
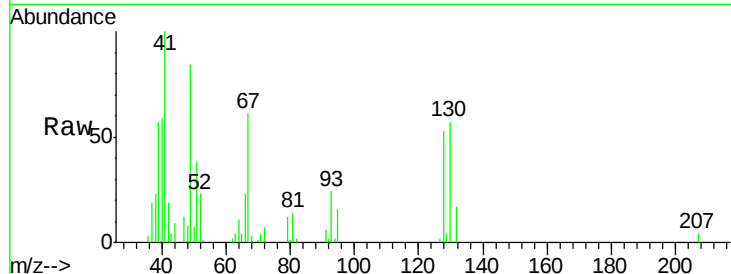
#41
Methacrylonitrile
Concen: 17.077 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD065341.D
Acq: 27 Feb 2020 11:50

Instrument :
MSVOA_D
ClientSampleId :
VD0227SBS01

Tot Ion	41	Resp	28422
Ion	Ratio	Lower	Upper
41	100		
39	72.5	48.1	72.1#
67	76.9	58.9	88.3
52	32.1	24.2	36.2

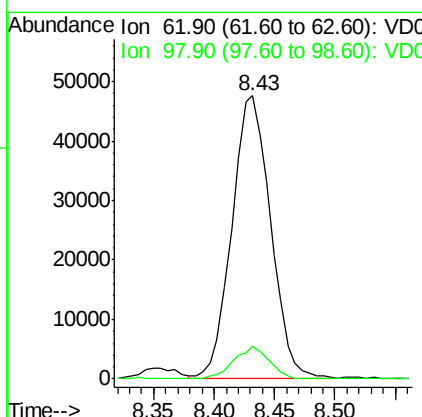
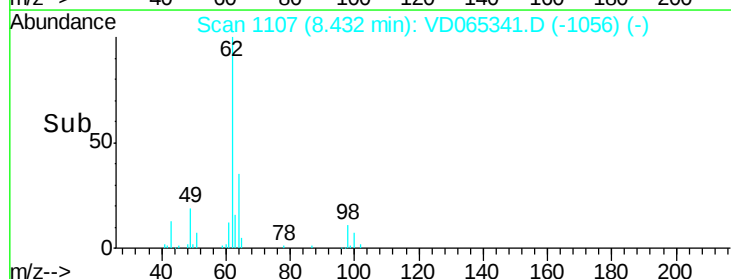
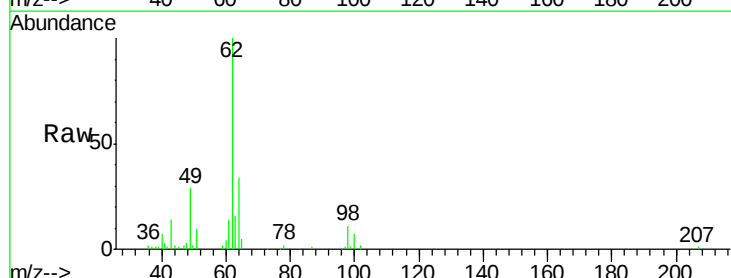
Manual Integrations
APPROVED

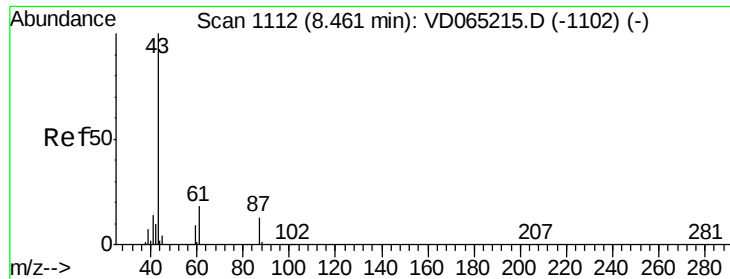
MMDadoda
2/28/2020 9:59:10 AM



#42
1,2-Dichloroethane
Concen: 19.962 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VD065341.D
Acq: 27 Feb 2020 11:50

Tgt Ion	62	Resp	106808
Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	20.6





#43

Isopropyl Acetate

Concen: 18.944 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VD065341.D

Acq: 27 Feb 2020 11:50

Instrument :

MSVOA_D

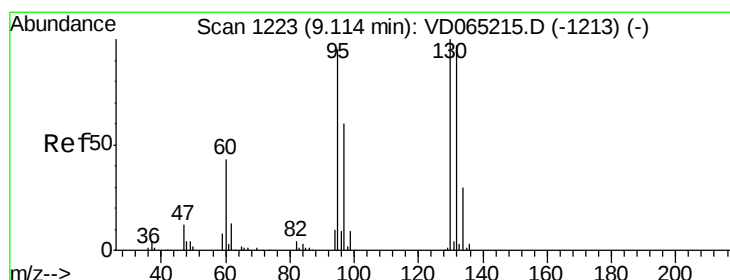
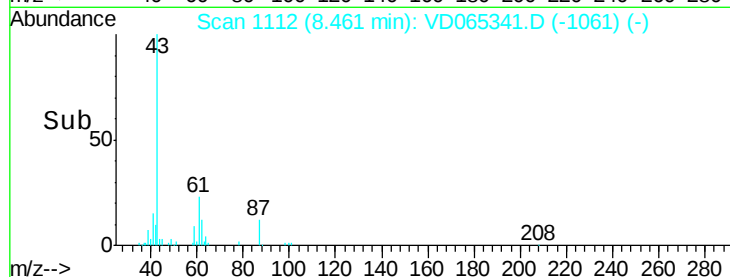
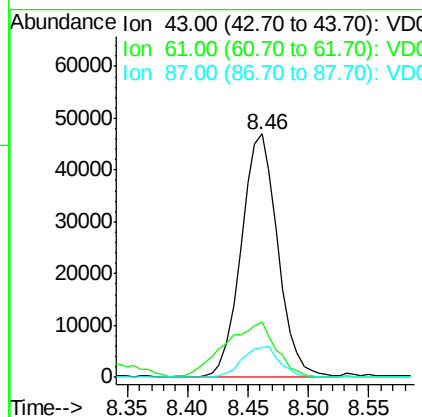
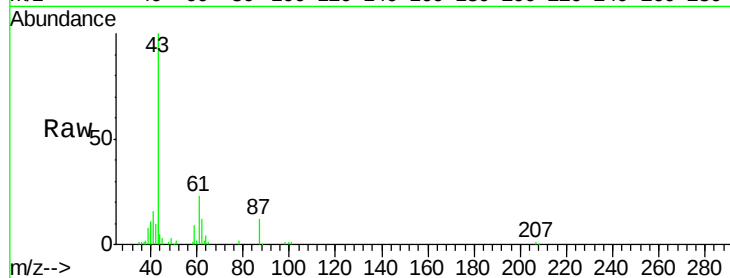
ClientSampleId :

VD0227SBS01

Tot Ion:	43	Resp:	99301
Ion	Ratio	Lower	Upper
43	100		
61	32.1	24.6	36.8
87	13.0	10.6	16.0

Manual Integrations
APPROVED

MMDadoda
2/28/2020 9:59:10 AM



#44

Trichloroethene

Concen: 21.289 ug/l

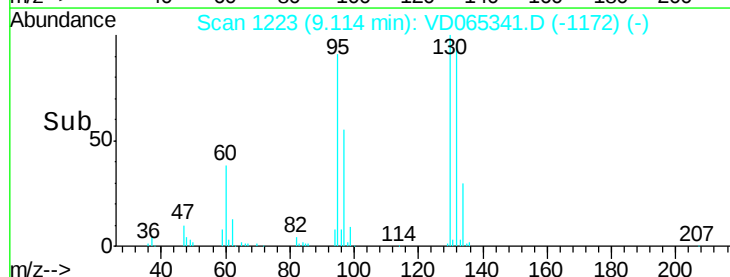
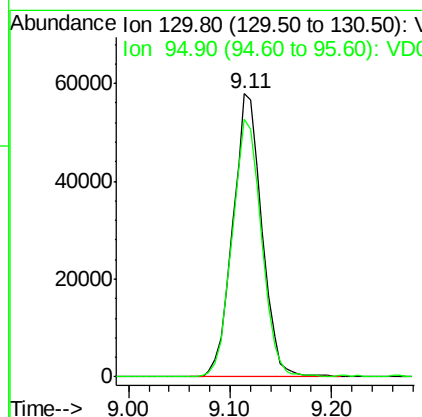
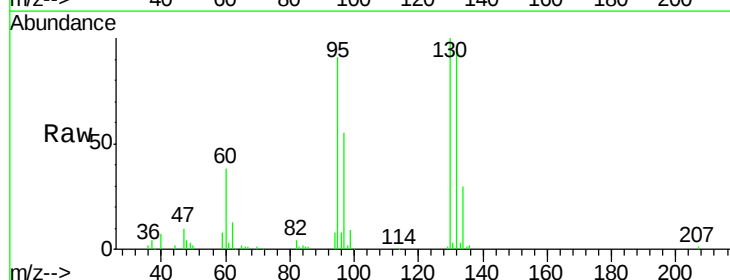
RT: 9.11 min Scan# 1223

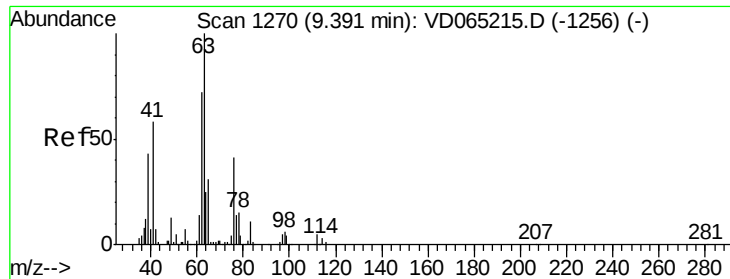
Delta R.T. 0.00 min

Lab File: VD065341.D

Acq: 27 Feb 2020 11:50

Tgt Ion:	130	Resp:	114854
Ion	Ratio	Lower	Upper
130	100		
95	91.3	0.0	190.6





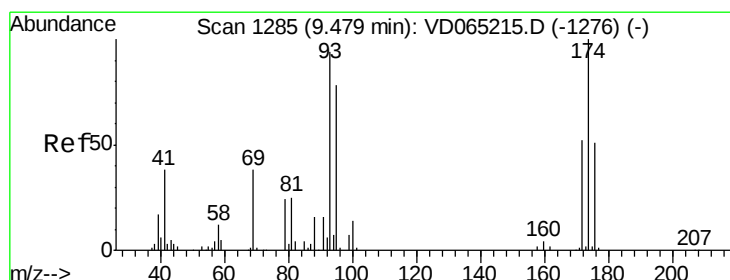
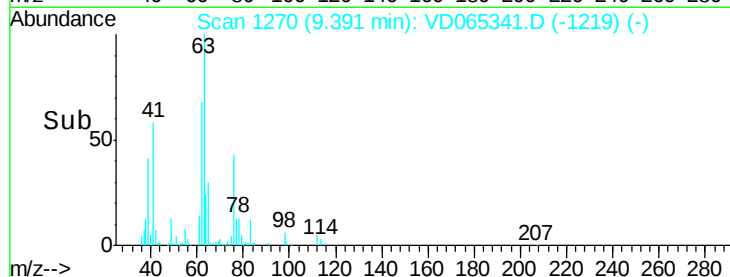
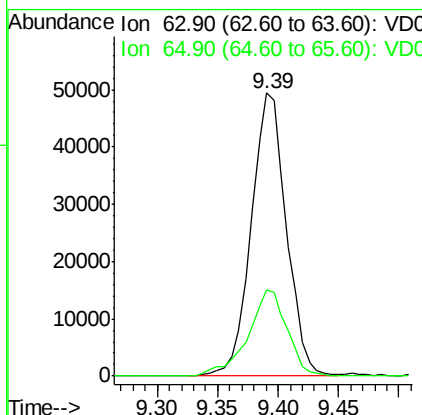
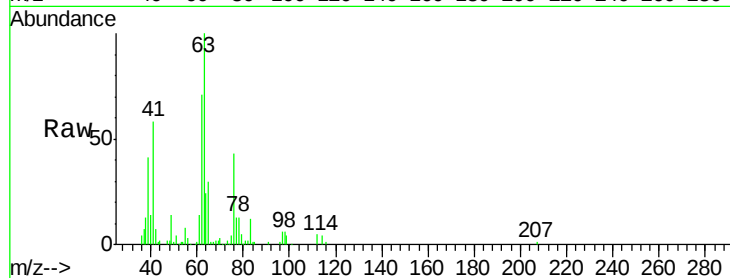
#45
 1,2-Dichloropropane
 Concen: 20.616 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD065341.D
 Acq: 27 Feb 2020 11:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0227SBSD01

Tot Ion: 63 Resp: 99774
 Ion Ratio Lower Upper
 63 100
 65 30.3 24.9 37.3

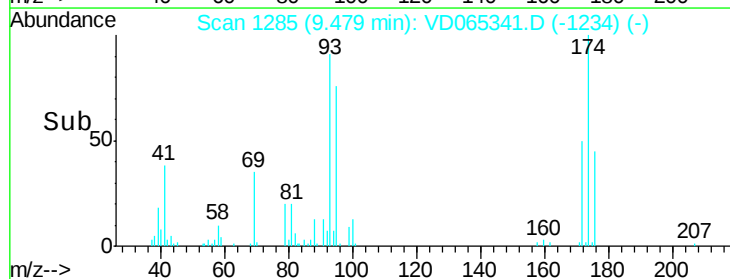
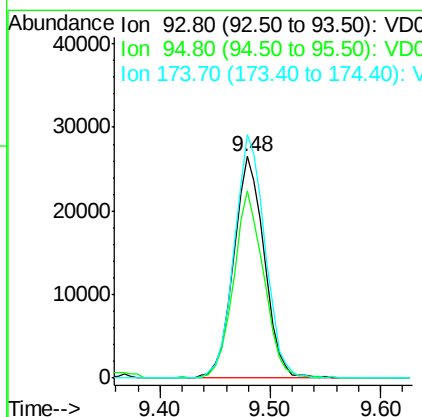
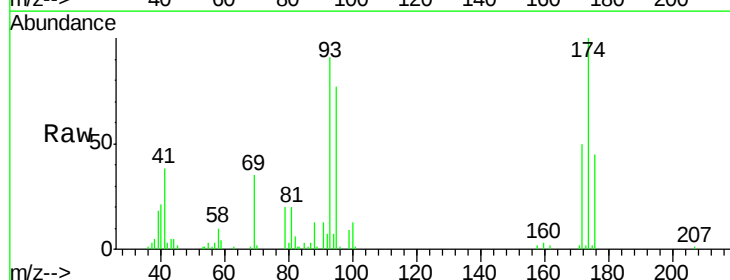
Manual Integrations
 APPROVED

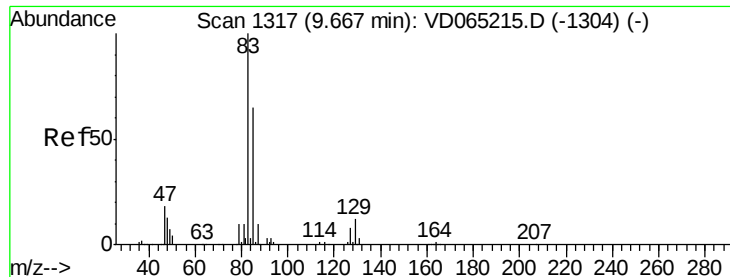
MMDadoda
 2/28/2020 9:59:10 AM



#46
 Dibromomethane
 Concen: 20.740 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD065341.D
 Acq: 27 Feb 2020 11:50

Tgt Ion: 93 Resp: 51643
 Ion Ratio Lower Upper
 93 100
 95 83.1 65.8 98.6
 174 110.1 86.8 130.2





#47

Bromodichloromethane

Concen: 20.602 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065341.D

Acq: 27 Feb 2020 11:50

Instrument :

MSVOA_D

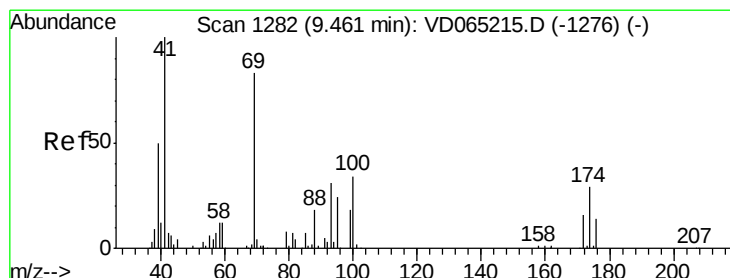
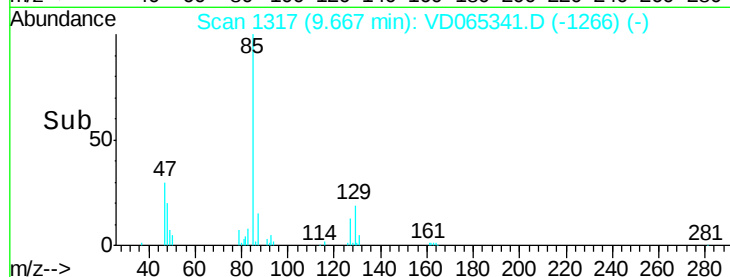
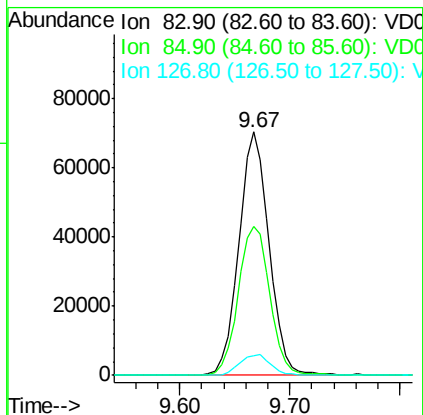
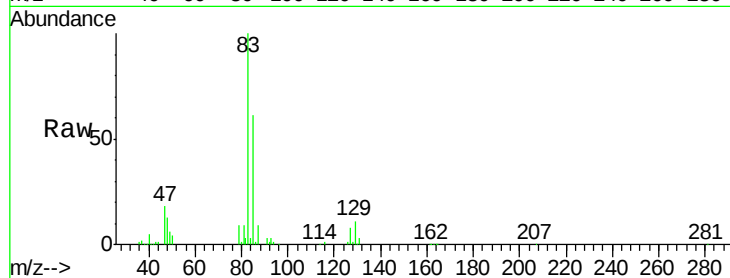
ClientSampleId :

VD0227SBS01

Tot Ion:	83	Resp:	135196
Ion	Ratio	Lower	Upper
83	100		
85	61.0	52.0	78.0
127	7.9	6.7	10.1

Manual Integrations
APPROVED

MMDadoda
2/28/2020 9:59:10 AM



#48

Methyl methacrylate

Concen: 19.419 ug/l

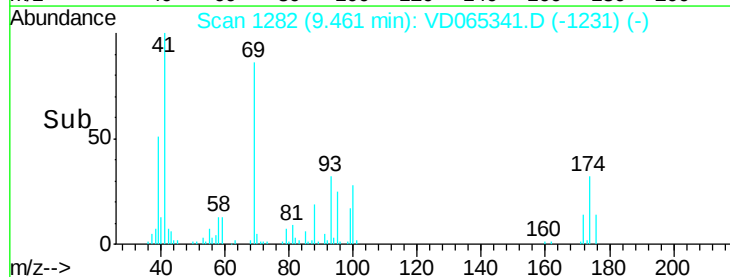
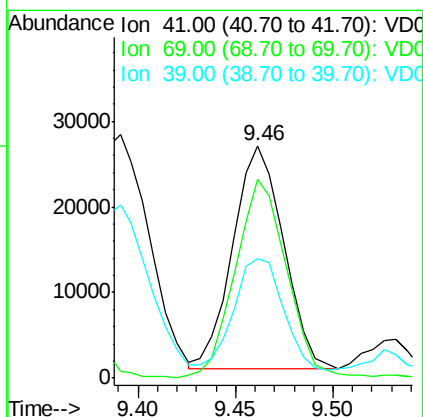
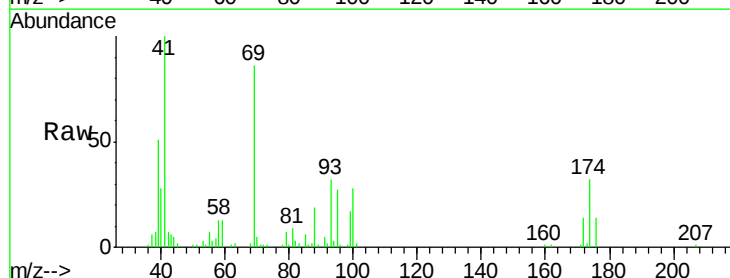
RT: 9.46 min Scan# 1282

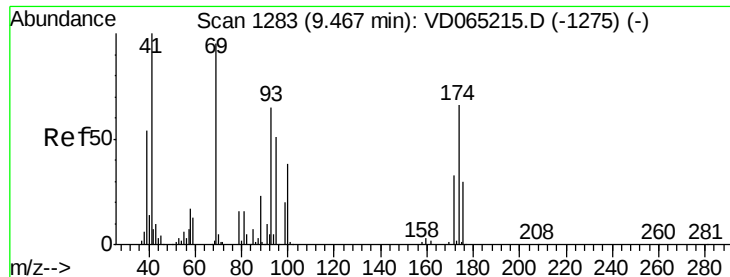
Delta R.T. 0.00 min

Lab File: VD065341.D

Acq: 27 Feb 2020 11:50

Tgt Ion:	41	Resp:	47051
Ion	Ratio	Lower	Upper
41	100		
69	90.3	68.2	102.2
39	48.9	42.0	63.0





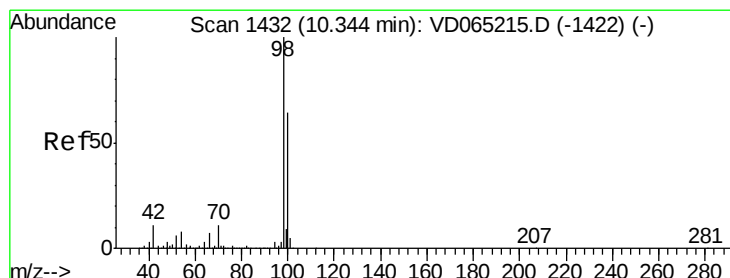
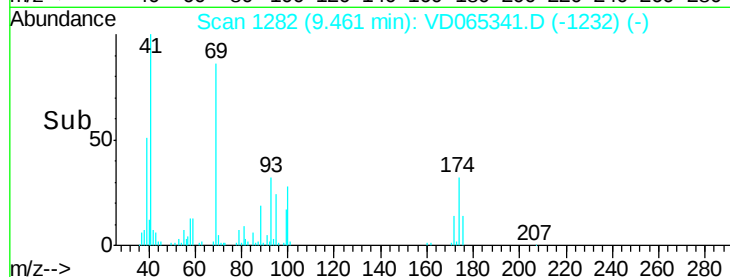
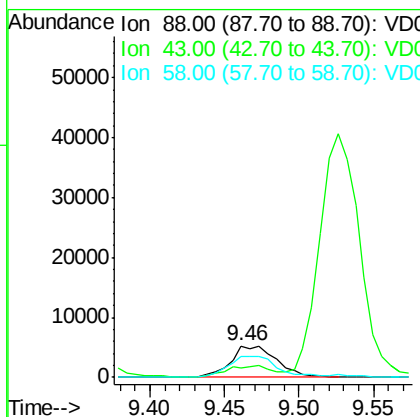
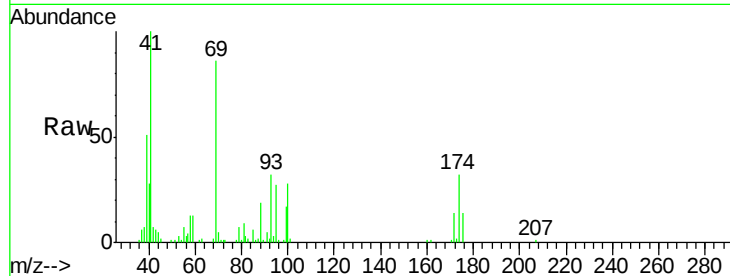
#49
1,4-Dioxane
Concen: 376.140 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD065341.D
Acq: 27 Feb 2020 11:50

Instrument :
MSVOA_D
ClientSampleId :
VD0227SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.9	28.5	42.7
58	73.0	58.6	87.8

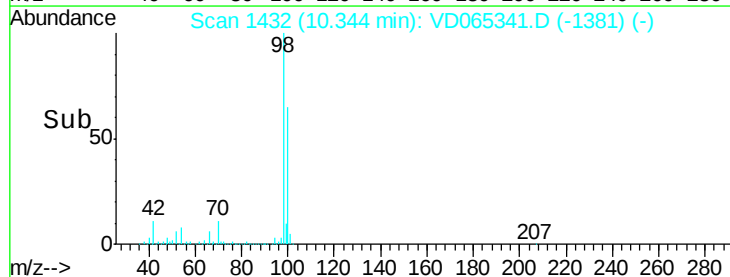
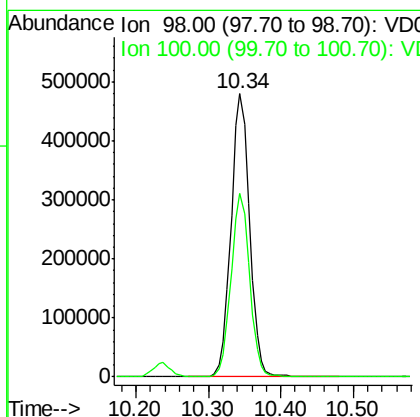
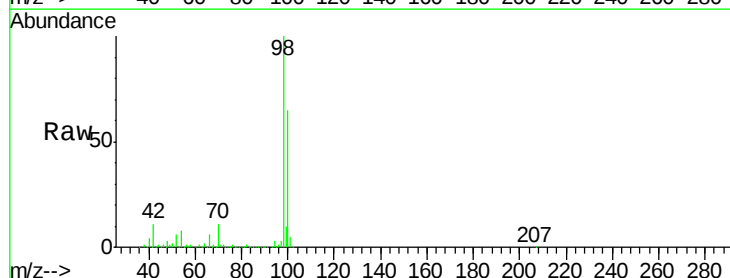
Manual Integrations
APPROVED

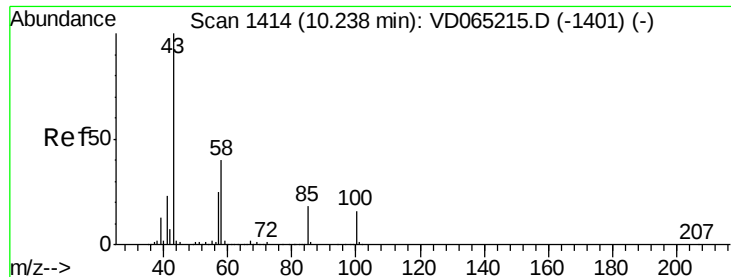
MMDadoda
2/28/2020 9:59:10 AM



#50
Toluene-d8
Concen: 52.023 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065341.D
Acq: 27 Feb 2020 11:50

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.0	78.0





#51

4-Methyl-2-Pentanone

Concen: 95.999 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.01 min

Lab File: VD065341.D

Acq: 27 Feb 2020 11:50

Instrument :

MSVOA_D

ClientSampleId :

VD0227SBS01

Tot Ion: 43 Resp: 255587

Ion Ratio Lower Upper

43 100

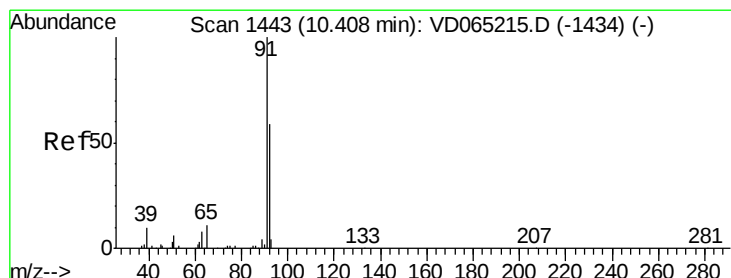
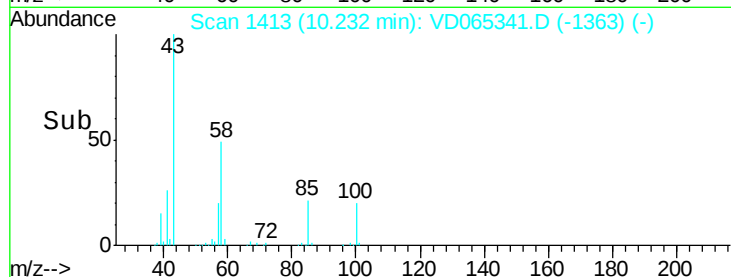
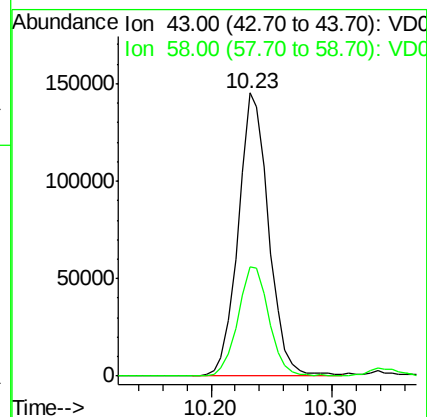
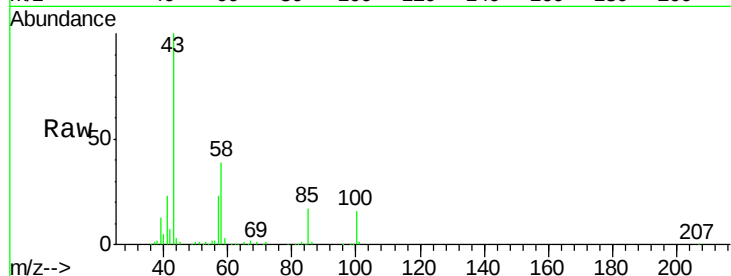
58 39.5 31.1 46.7

Manual Integrations

APPROVED

MMDadoda

2/28/2020 9:59:10 AM



#52

Toluene

Concen: 21.789 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD065341.D

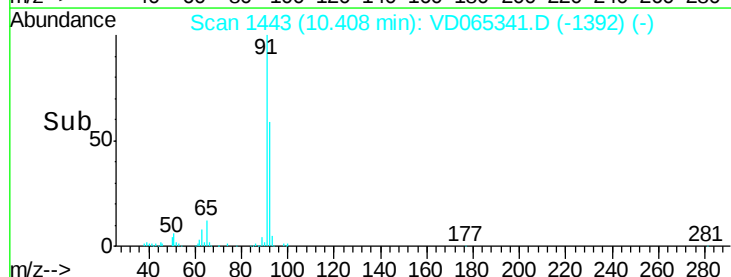
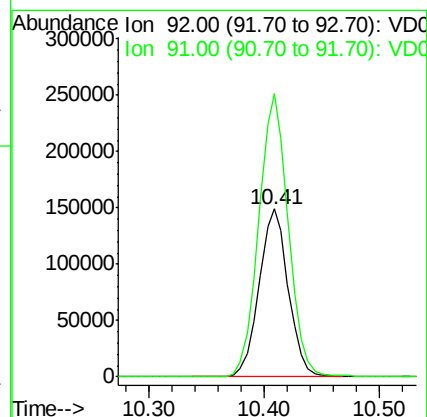
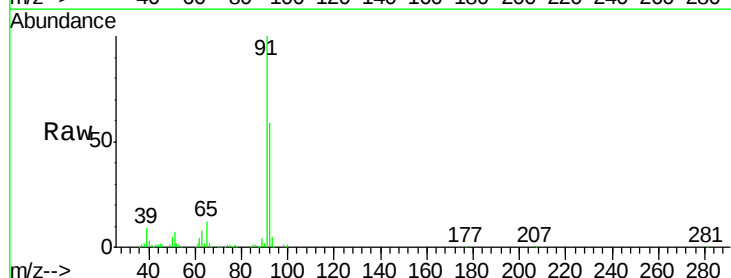
Acq: 27 Feb 2020 11:50

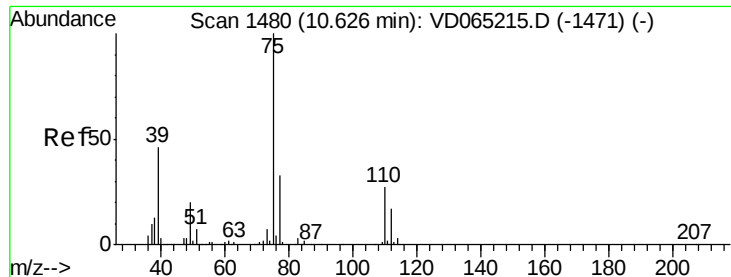
Tgt Ion: 92 Resp: 262497

Ion Ratio Lower Upper

92 100

91 171.1 136.3 204.5





#53

t-1,3-Dichloropropene

Concen: 20.392 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD065341.D

Acq: 27 Feb 2020 11:50

Instrument :

MSVOA_D

ClientSampleId :

VD0227SBS01

Tot Ion: 75 Resp: 124034

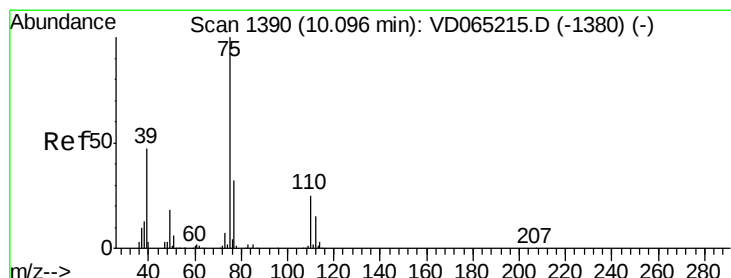
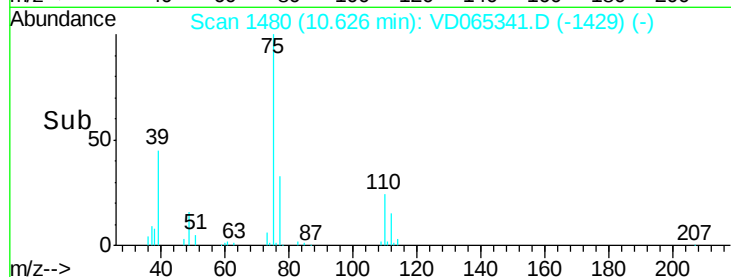
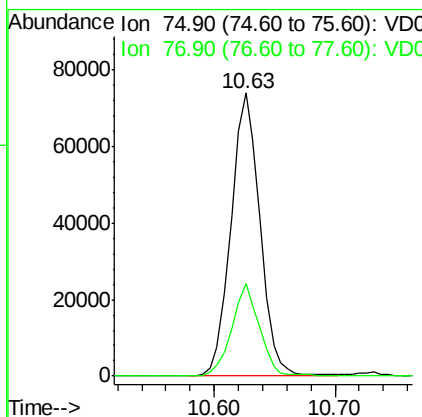
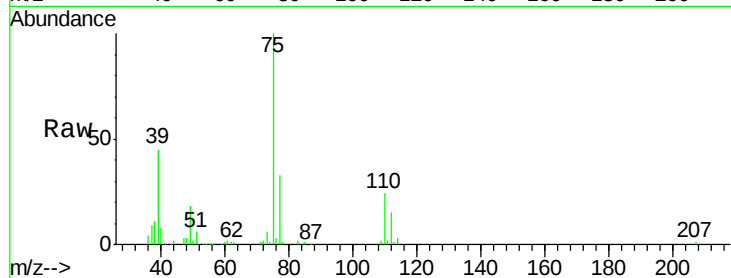
Ion Ratio Lower Upper

75 100

77 32.7 26.6 40.0

Manual Integrations
APPROVED

MMDadoda
2/28/2020 9:59:10 AM



#54

cis-1,3-Dichloropropene

Concen: 20.267 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VD065341.D

Acq: 27 Feb 2020 11:50

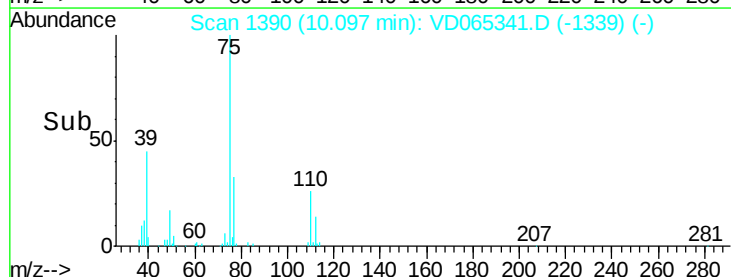
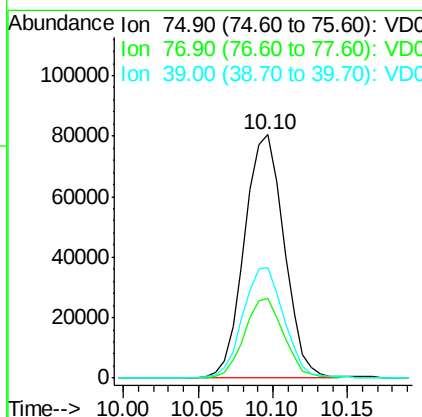
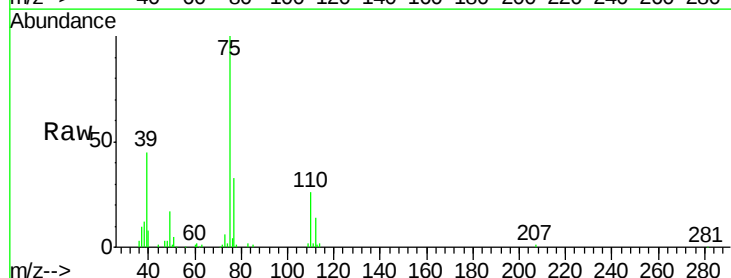
Tgt Ion: 75 Resp: 148858

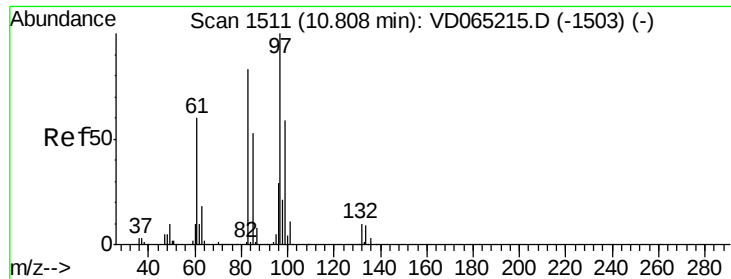
Ion Ratio Lower Upper

75 100

77 32.6 25.8 38.8

39 45.3 37.3 55.9





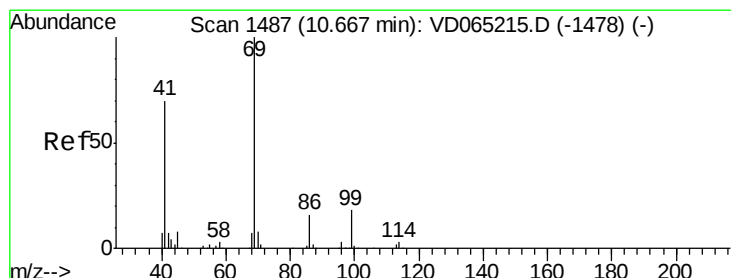
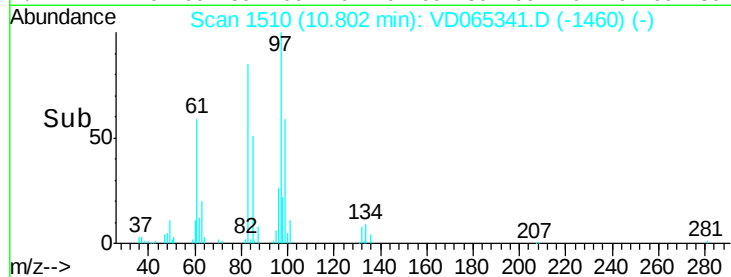
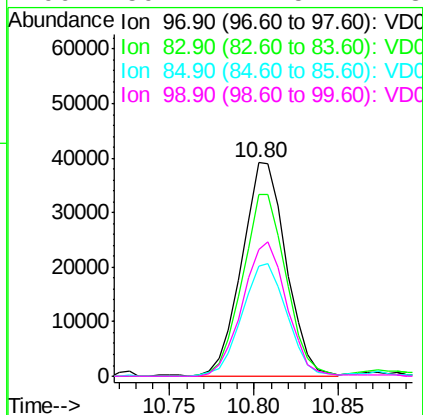
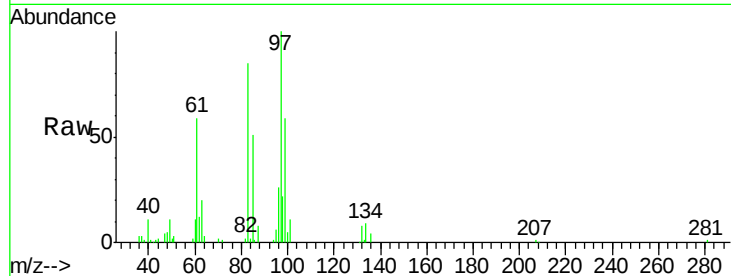
#55
 1,1,2-Trichloroethane
 Concen: 20.420 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD065341.D
 Acq: 27 Feb 2020 11:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0227SBS01

Tot Ion:	97	Resp:	71566
Ion	Ratio	Lower	Upper
97	100		
83	85.4	66.7	100.1
85	51.4	42.4	63.6
99	59.4	47.5	71.3

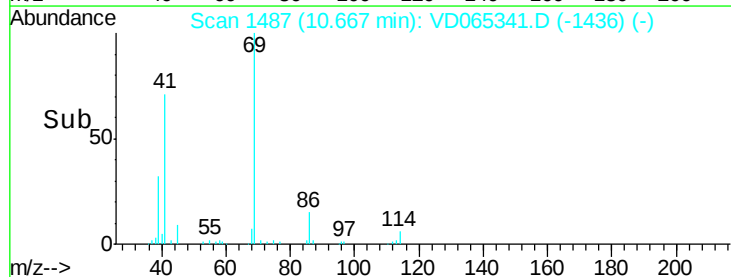
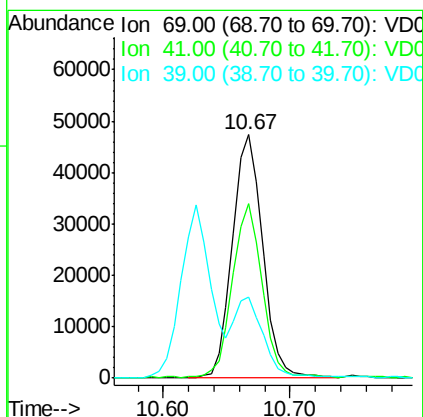
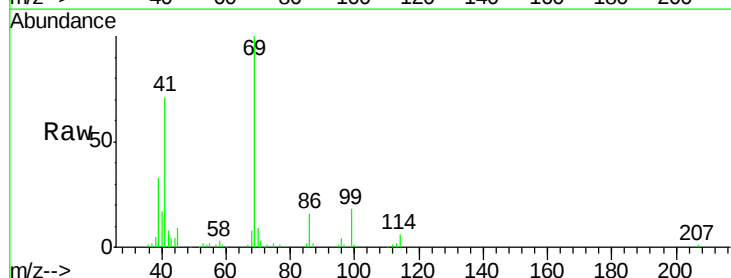
Manual Integrations
 APPROVED

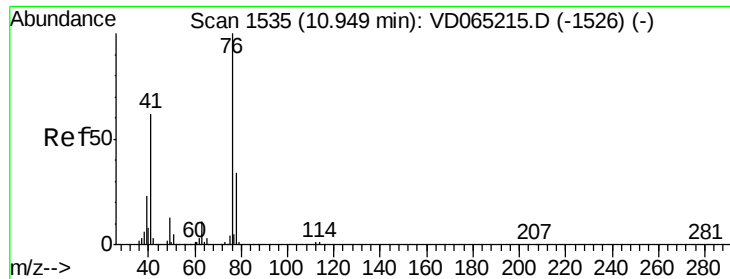
MMDadoda
 2/28/2020 9:59:10 AM



#56
 Ethyl methacrylate
 Concen: 19.390 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065341.D
 Acq: 27 Feb 2020 11:50

Tgt Ion:	69	Resp:	78438
Ion	Ratio	Lower	Upper
69	100		
41	70.6	54.6	81.8
39	31.2	26.5	39.7





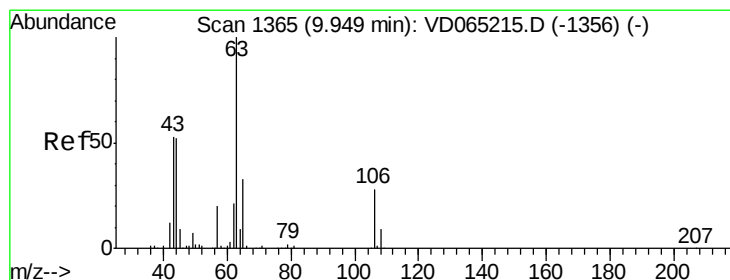
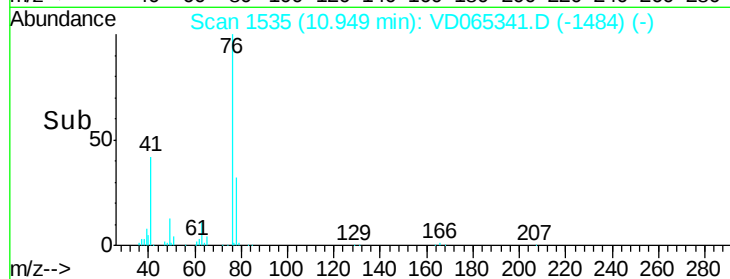
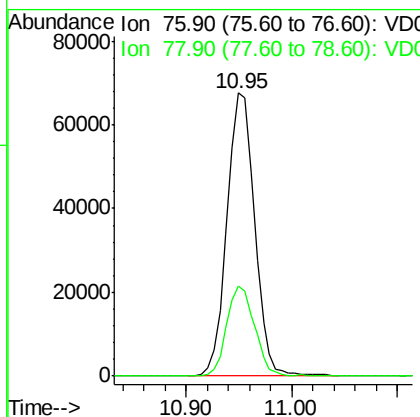
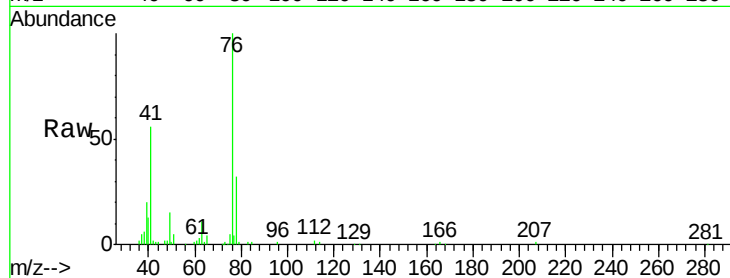
#57
 1,3-Dichloropropane
 Concen: 20.503 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD065341.D
 Acq: 27 Feb 2020 11:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0227SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.9	26.3	39.5

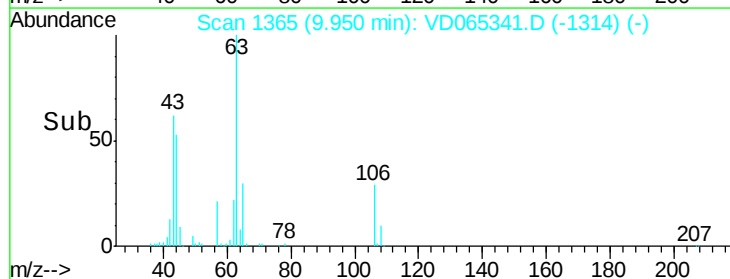
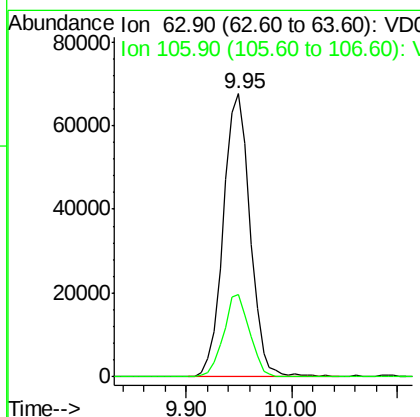
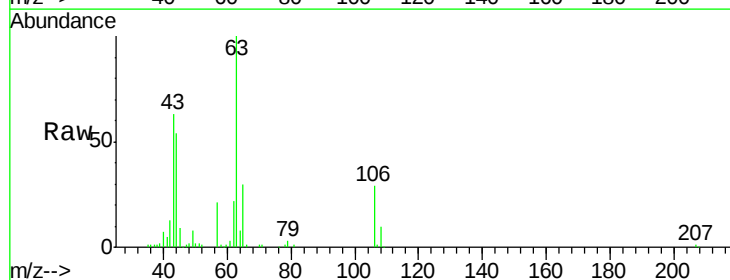
Manual Integrations
 APPROVED

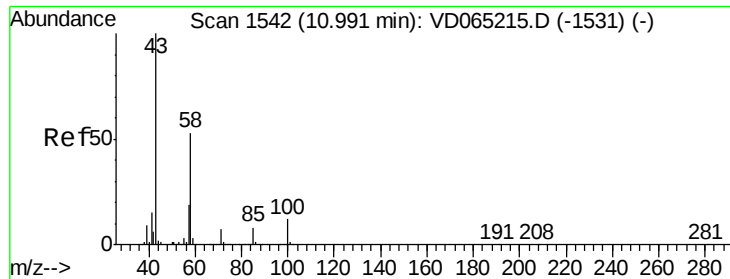
MMDadoda
 2/28/2020 9:59:10 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 93.106 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VD065341.D
 Acq: 27 Feb 2020 11:50

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.5	22.8	34.2





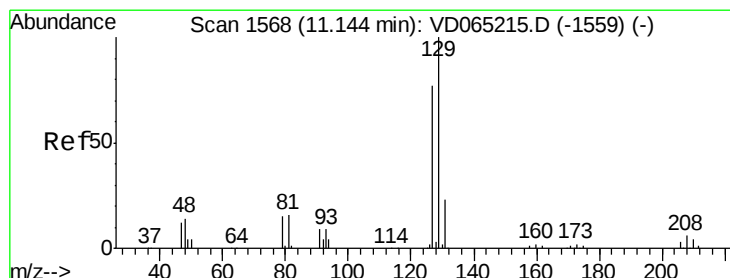
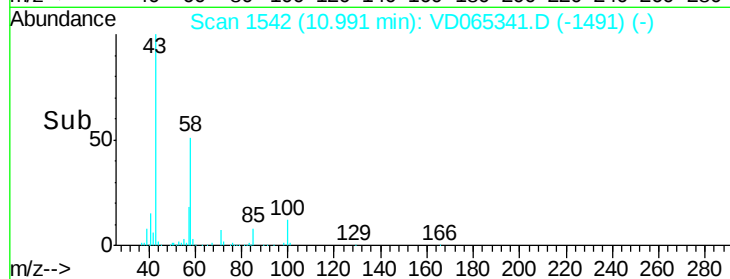
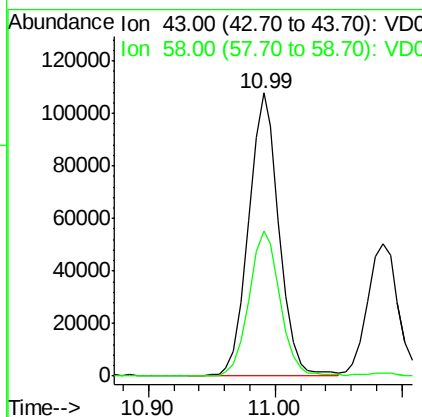
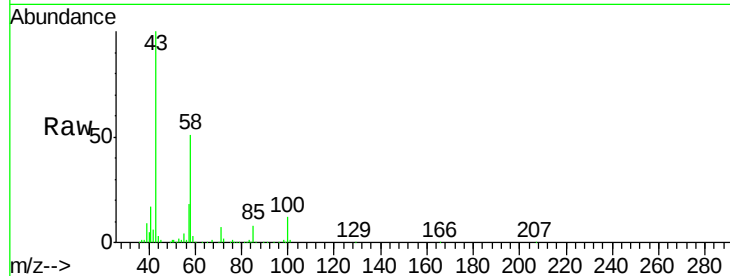
#59
2-Hexanone
Concen: 94.505 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065341.D
Acq: 27 Feb 2020 11:50

Instrument :
MSVOA_D
ClientSampleId :
VD0227SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.4	26.3	78.8

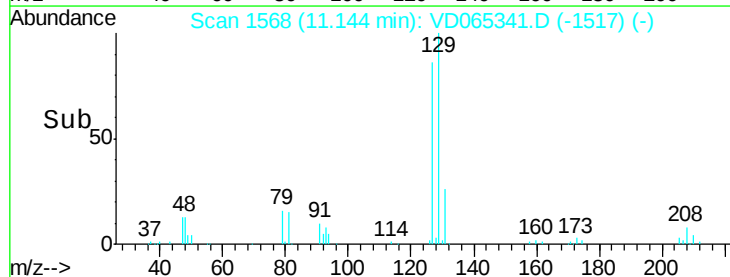
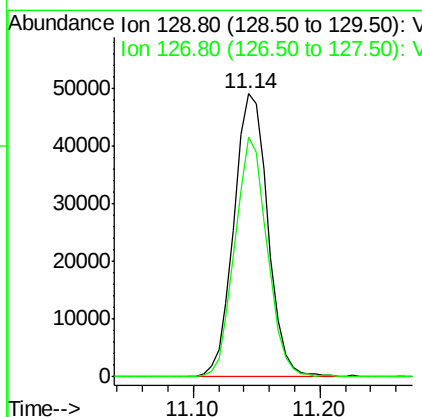
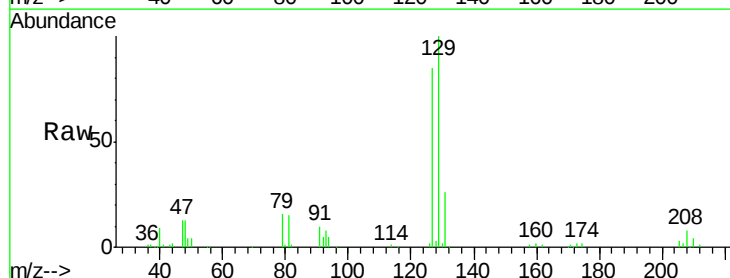
Manual Integrations
APPROVED

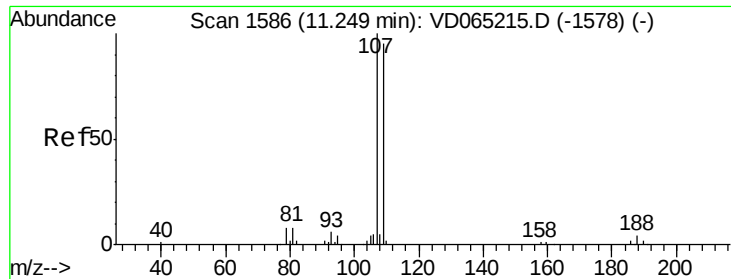
MMDadoda
2/28/2020 9:59:10 AM



#60
Dibromochloromethane
Concen: 20.319 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065341.D
Acq: 27 Feb 2020 11:50

Tgt Ion	Ratio	Lower	Upper
129	100		
127	80.7	38.7	116.1





#61

1,2-Dibromoethane

Concen: 20.296 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VD065341.D

Acq: 27 Feb 2020 11:50

Instrument :

MSVOA_D

ClientSampleId :

VD0227SBS01

Tot Ion: 107 Resp: 67349

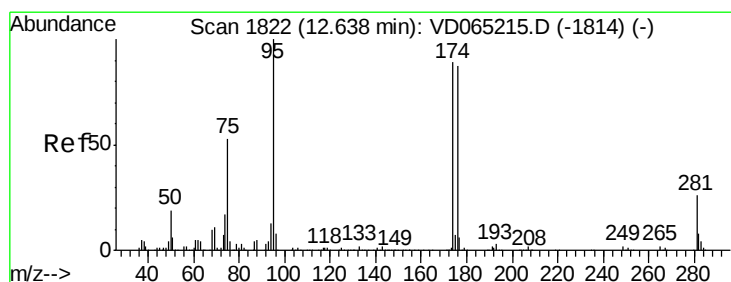
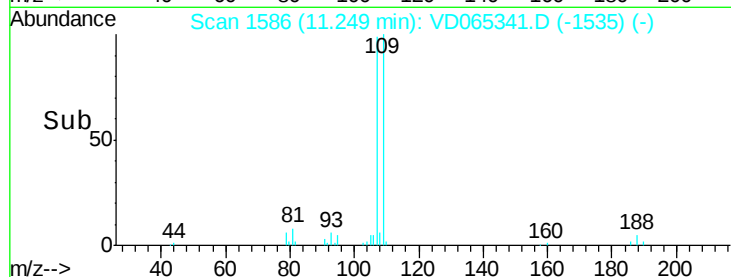
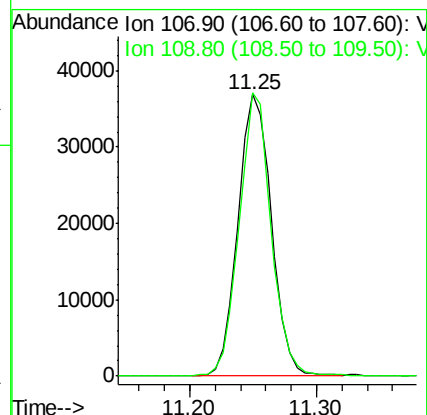
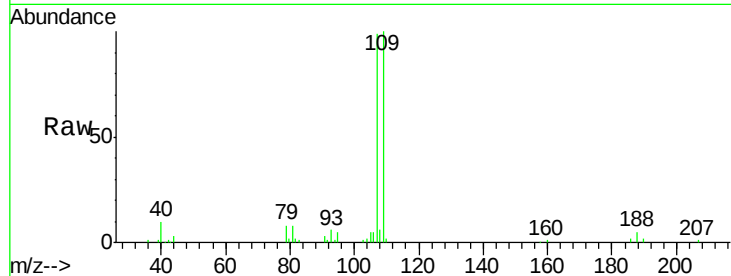
Ion Ratio Lower Upper

107 100

109 95.9 76.2 114.4

Manual Integrations
APPROVED

MMDadoda
2/28/2020 9:59:10 AM



#62

4-Bromofluorobenzene

Concen: 52.314 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD065341.D

Acq: 27 Feb 2020 11:50

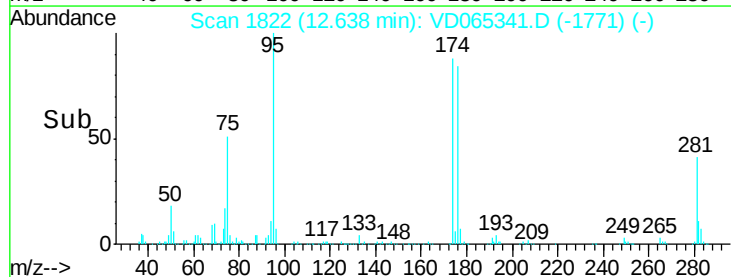
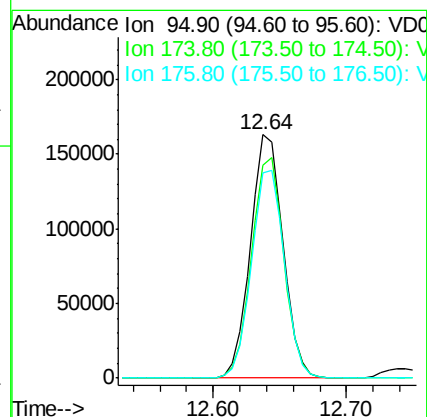
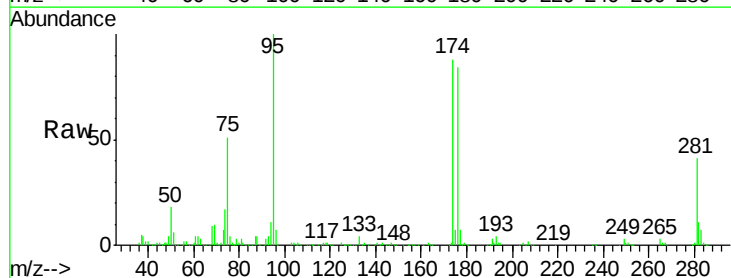
Tgt Ion: 95 Resp: 273758

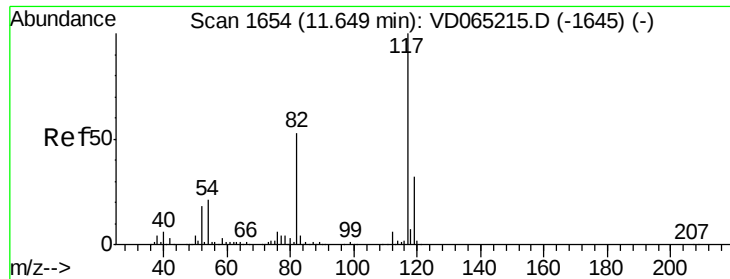
Ion Ratio Lower Upper

95 100

174 89.7 0.0 178.0

176 86.3 0.0 174.4





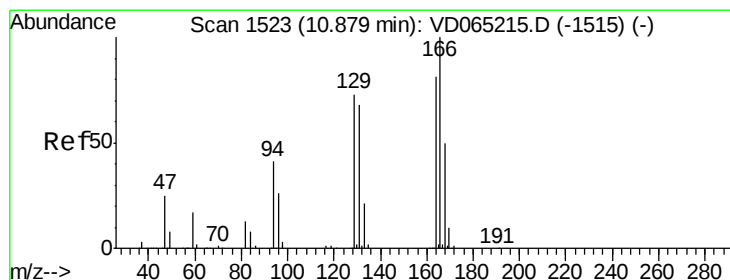
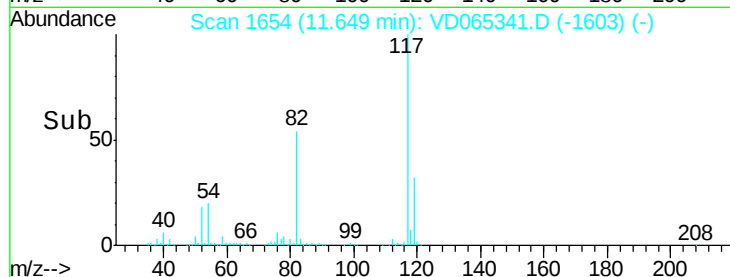
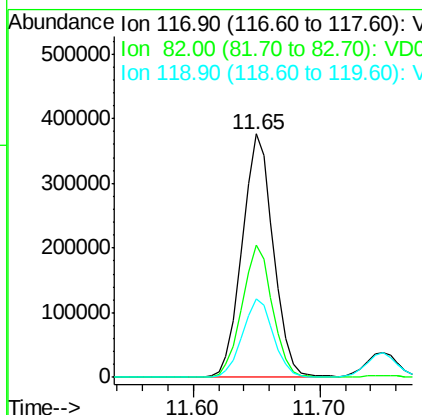
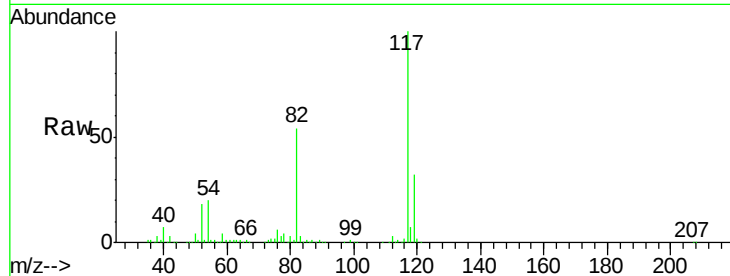
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065341.D
Acq: 27 Feb 2020 11:50

Instrument :
MSVOA_D
ClientSampleId :
VD0227SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.3	42.7	64.1
119	32.1	25.5	38.3

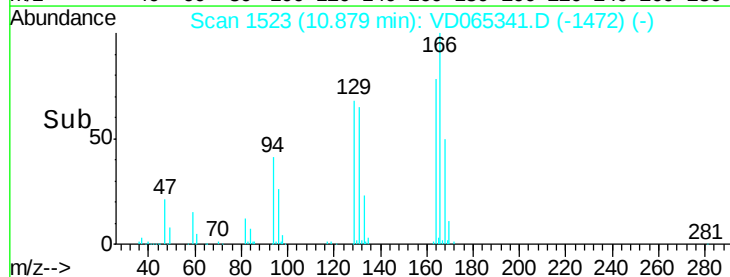
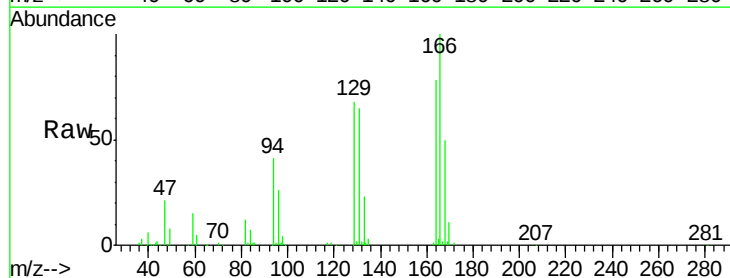
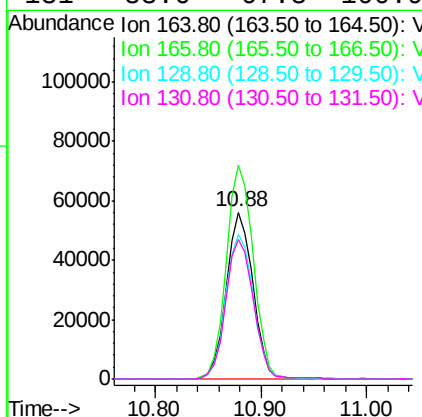
Manual Integrations
APPROVED

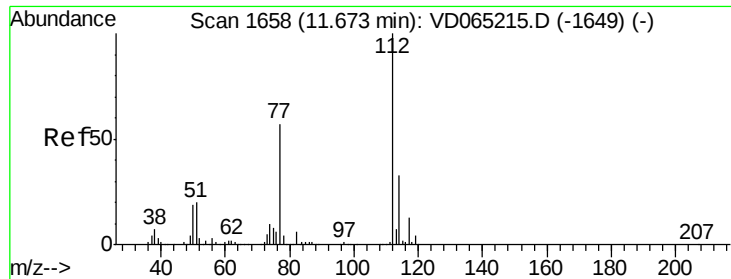
MMDadoda
2/28/2020 9:59:10 AM



#64
Tetrachloroethene
Concen: 21.512 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065341.D
Acq: 27 Feb 2020 11:50

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.2	98.4	147.6
129	86.8	71.6	107.4
131	83.6	67.3	100.9





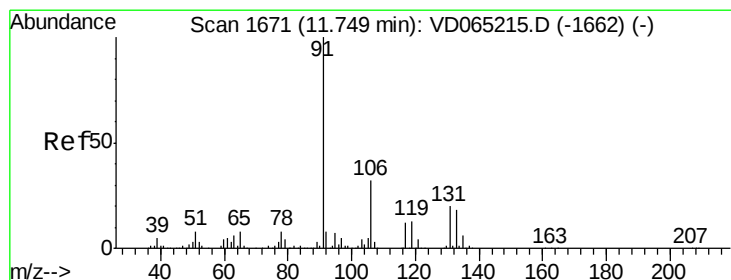
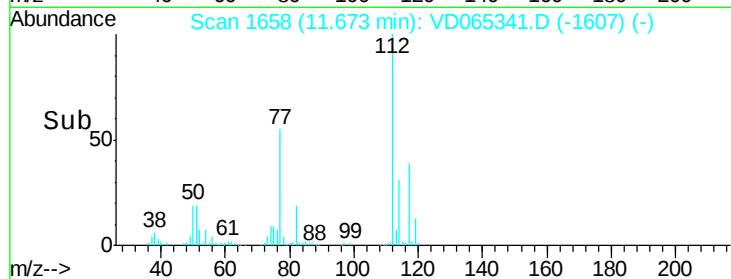
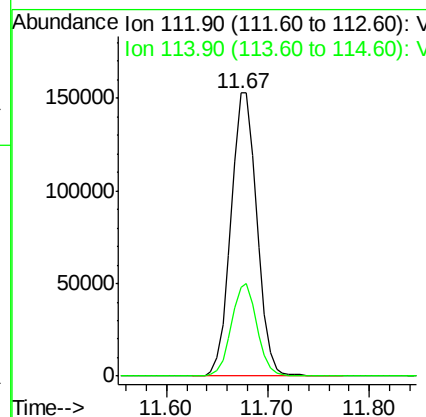
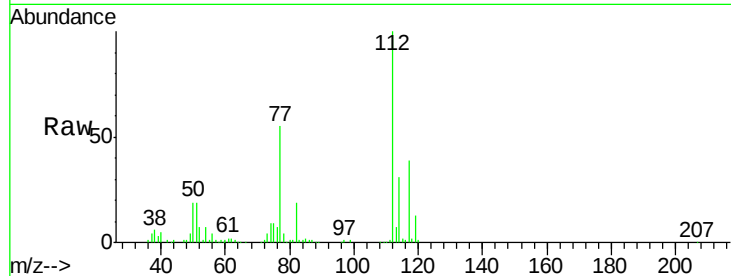
#65
Chlorobenzene
Concen: 21.210 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD065341.D
Acq: 27 Feb 2020 11:50

Instrument :
MSVOA_D
ClientSampleId :
VD0227SBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.3	26.4	39.6

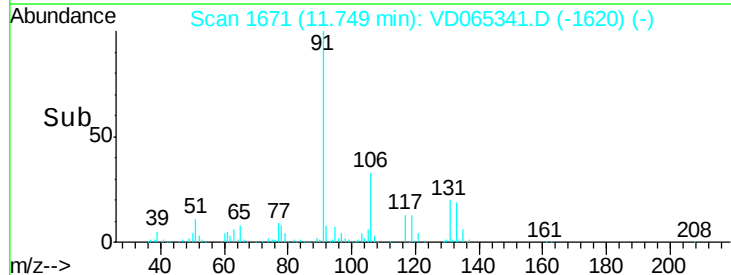
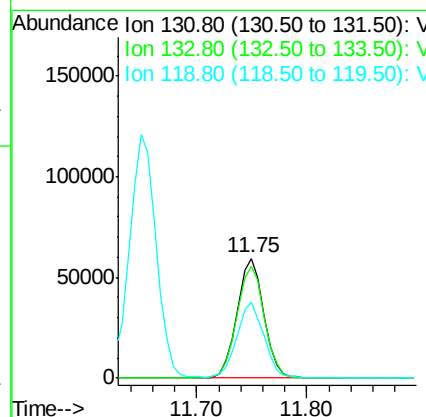
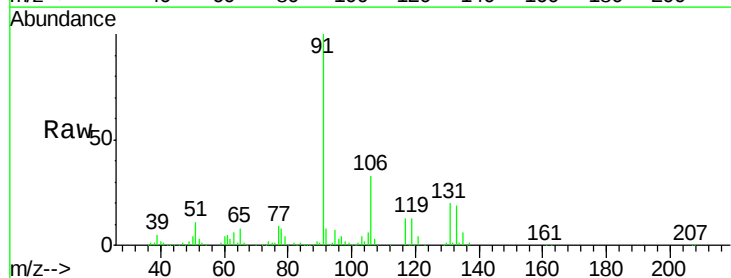
Manual Integrations
APPROVED

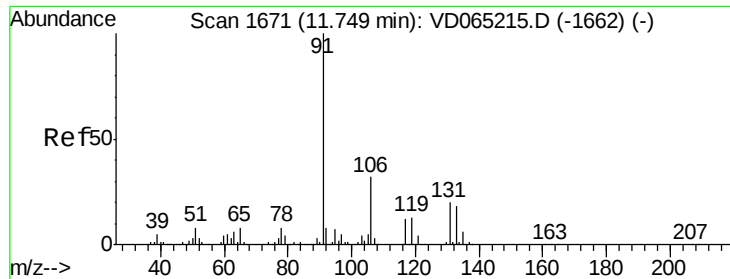
MMDadoda
2/28/2020 9:59:10 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.147 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065341.D
Acq: 27 Feb 2020 11:50

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.9	47.7	143.1
119	64.3	32.7	98.1





#67

Ethyl Benzene

Concen: 21.181 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065341.D

Acq: 27 Feb 2020 11:50

Instrument :

MSVOA_D

ClientSampleId :

VD0227SBS01

Tot Ion: 91 Resp: 476855

Ion Ratio Lower Upper

91 100

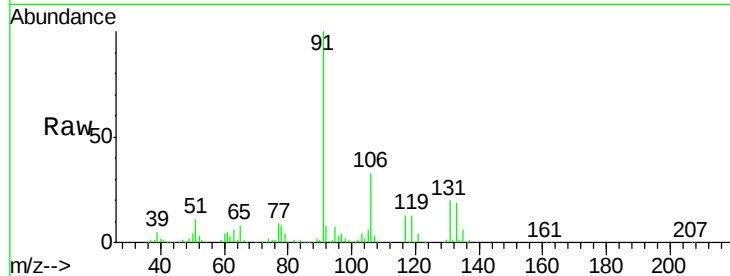
106 32.8 25.2 37.8

Manual Integrations

APPROVED

MMDadoda

2/28/2020 9:59:10 AM



Abundance Ion 91.00 (90.70 to 91.70): VD065341.D (-1670) (-)

Ion 106.00 (105.70 to 106.70): VD065341.D (-1670) (-)

400000

300000

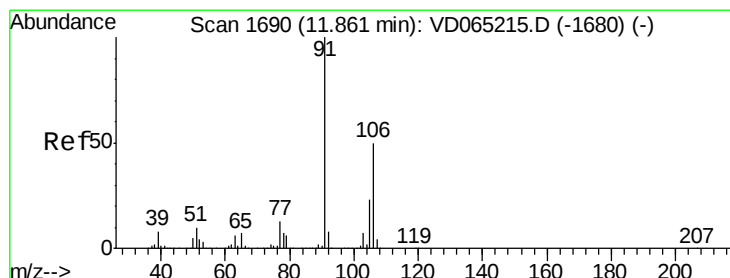
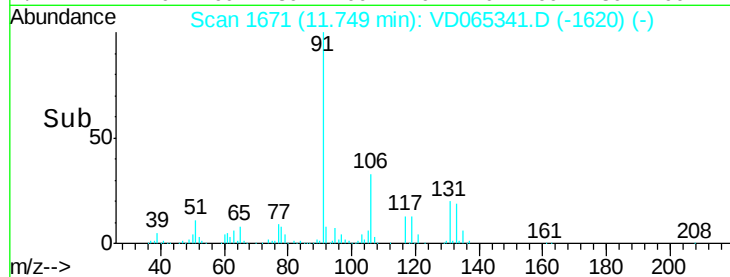
200000

100000

0

11.65 11.70 11.75 11.80

Time-->



#68

m/p-Xylenes

Concen: 43.002 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VD065341.D

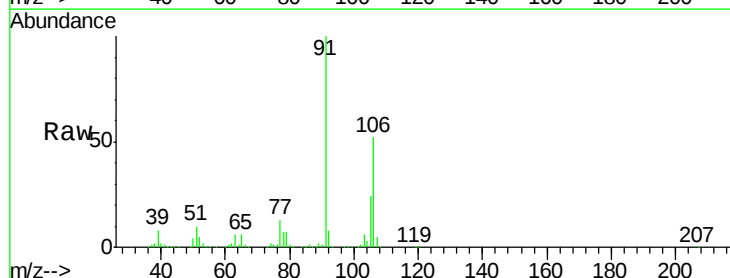
Acq: 27 Feb 2020 11:50

Tgt Ion: 106 Resp: 370392

Ion Ratio Lower Upper

106 100

91 198.2 158.2 237.4



Abundance Ion 106.00 (105.70 to 106.70): VD065341.D (-1639) (-)

Ion 91.00 (90.70 to 91.70): VD065341.D (-1639) (-)

400000

300000

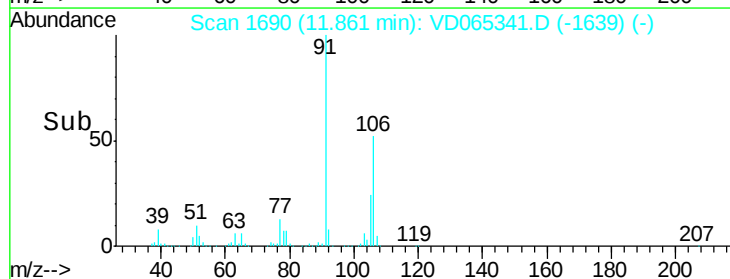
200000

100000

0

11.80 11.86 11.90

Time-->





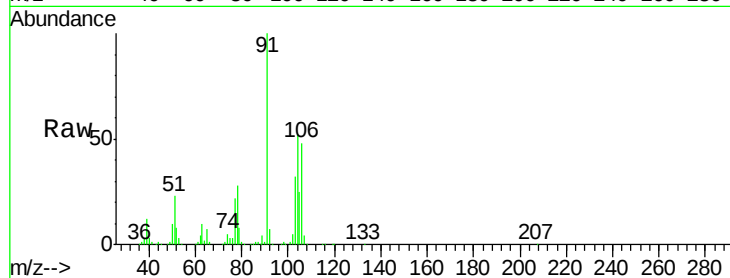
#69
o-Xylene
Concen: 21.031 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. 0.01 min
Lab File: VD065341.D
Acq: 27 Feb 2020 11:50

Instrument :
MSVOA_D
ClientSampleId :
VD0227SBS01

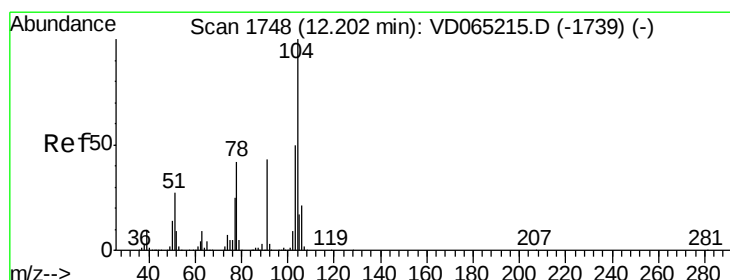
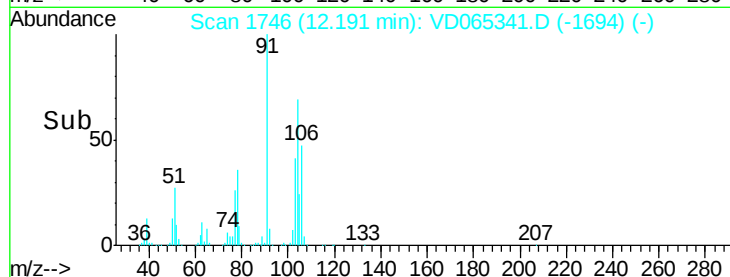
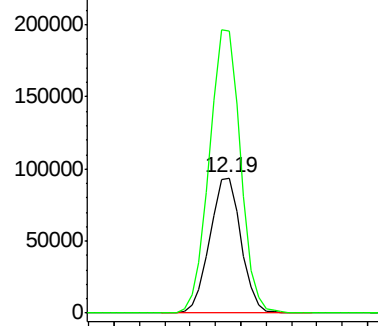
Tot Ion:106 Resp: 160486
Ion Ratio Lower Upper
106 100
91 209.1 104.7 313.9

Manual Integrations
APPROVED

MMDadoda
2/28/2020 9:59:10 AM

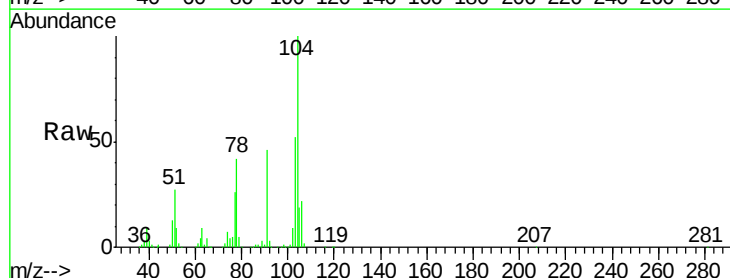


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VDC

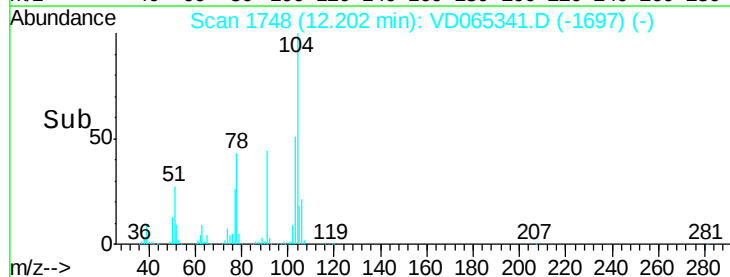
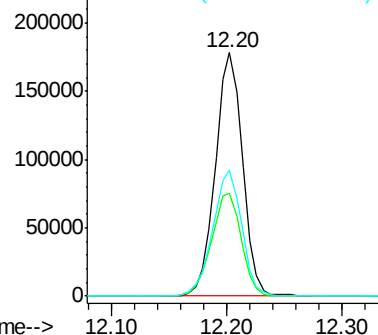


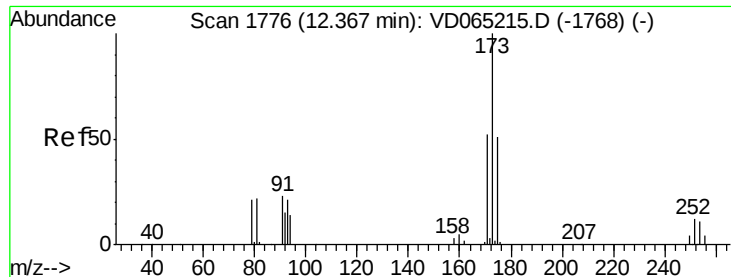
#70
Styrene
Concen: 21.567 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065341.D
Acq: 27 Feb 2020 11:50

Tgt Ion:104 Resp: 292202
Ion Ratio Lower Upper
104 100
78 46.4 37.8 56.6
103 55.0 43.4 65.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VDC
Ion 103.00 (102.70 to 103.70): V





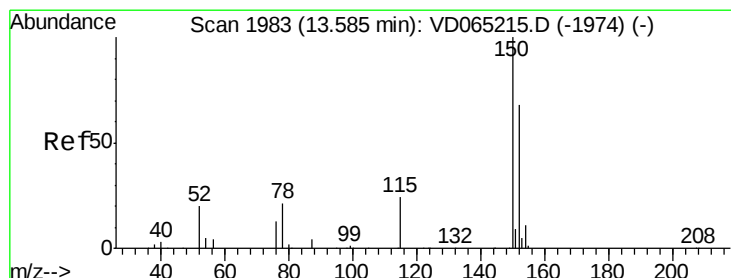
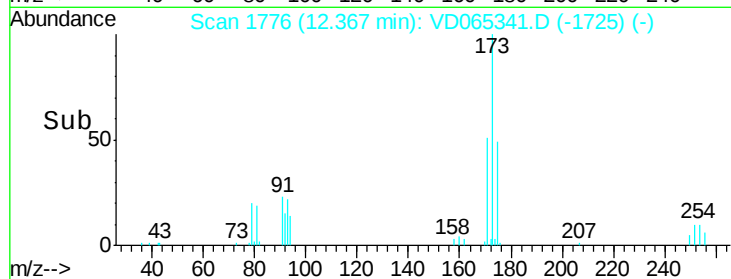
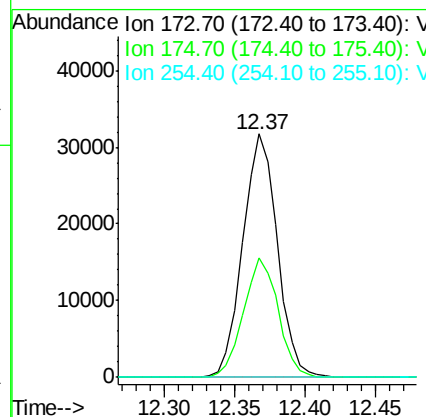
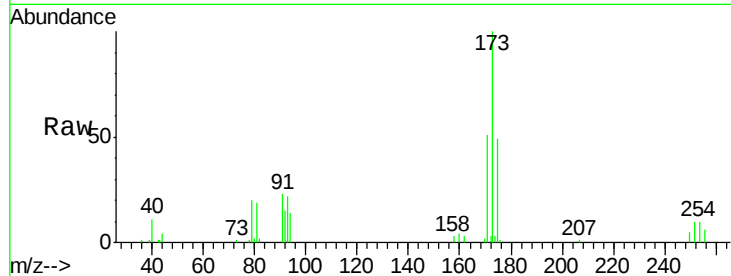
#71
Bromoform
Concen: 20.433 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD065341.D
Acq: 27 Feb 2020 11:50

Instrument :
MSVOA_D
ClientSampleId :
VD0227SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.4	73.4
254	0.0	0.0	0.0

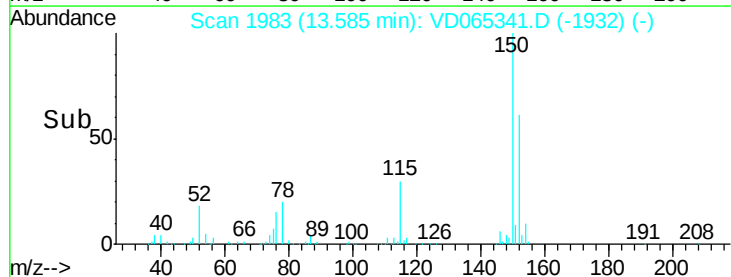
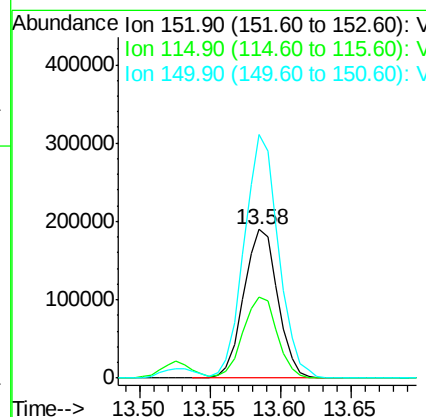
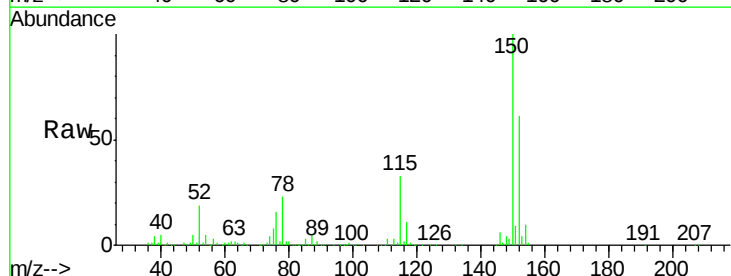
Manual Integrations
APPROVED

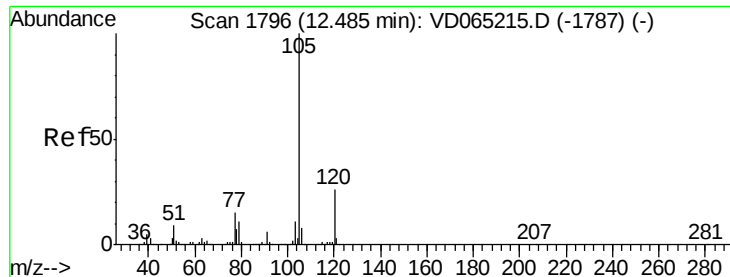
MMDadoda
2/28/2020 9:59:10 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065341.D
Acq: 27 Feb 2020 11:50

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.8	27.6	82.8
150	165.7	0.0	347.4





#73

Isopropylbenzene

Concen: 21.045 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065341.D

Acq: 27 Feb 2020 11:50

Instrument :

MSVOA_D

ClientSampleId :

VD0227SBS01

Tot Ion: 105 Resp: 445051

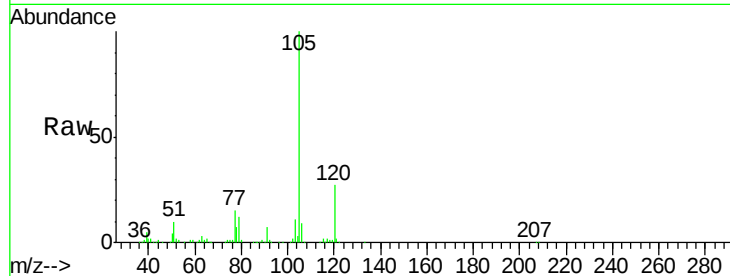
Ion Ratio Lower Upper

105 100

120 27.1 13.3 39.9

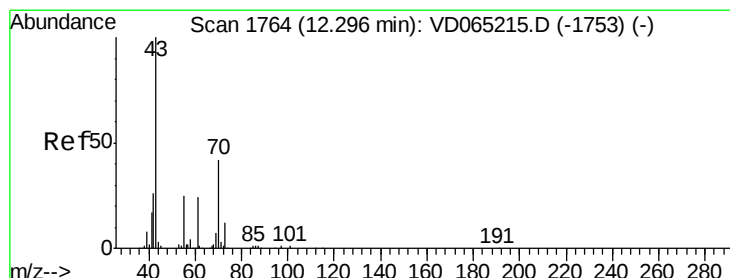
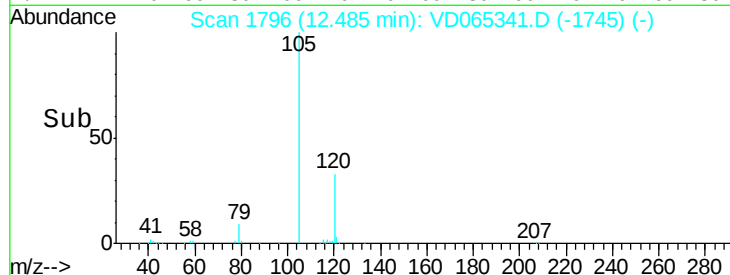
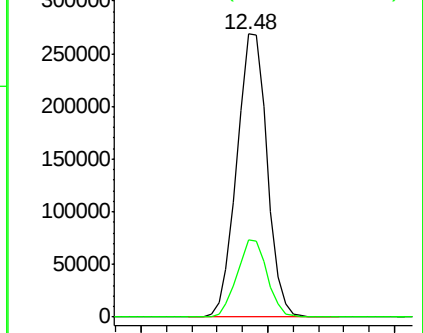
Manual Integrations
APPROVED

MMDadoda
2/28/2020 9:59:10 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.265 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065341.D

Acq: 27 Feb 2020 11:50

Tgt Ion: 43 Resp: 90529

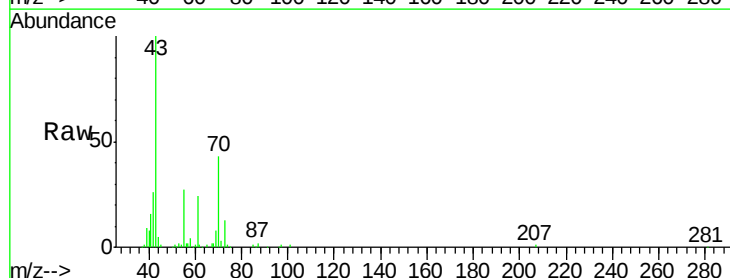
Ion Ratio Lower Upper

43 100

70 44.0 33.7 50.5

55 27.8 20.7 31.1

61 24.2 19.0 28.4

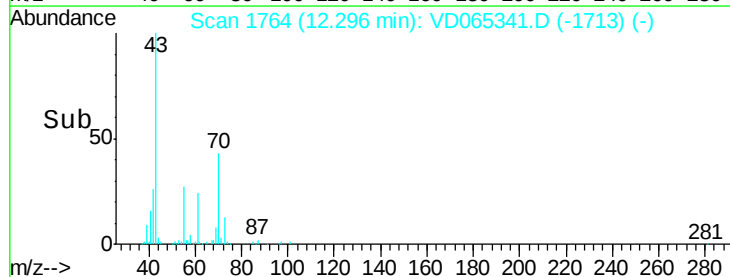
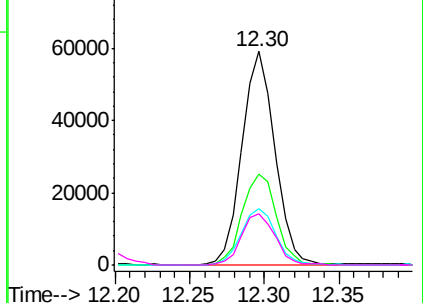


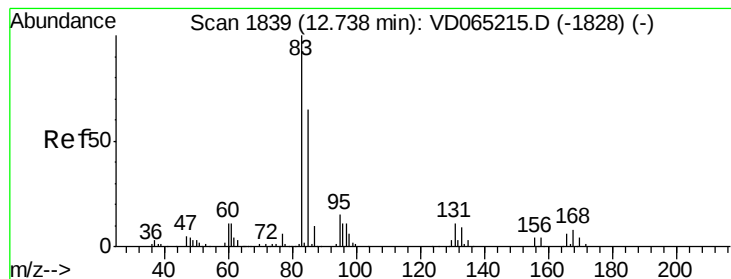
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.447 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065341.D

Acq: 27 Feb 2020 11:50

Instrument :

MSVOA_D

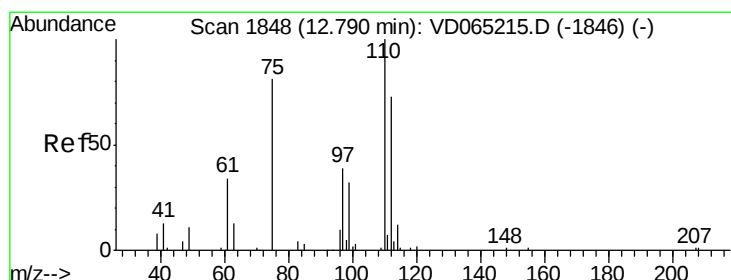
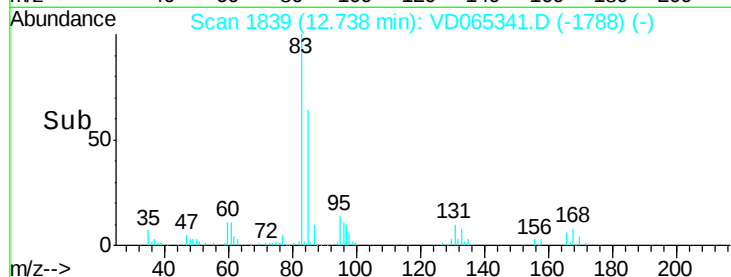
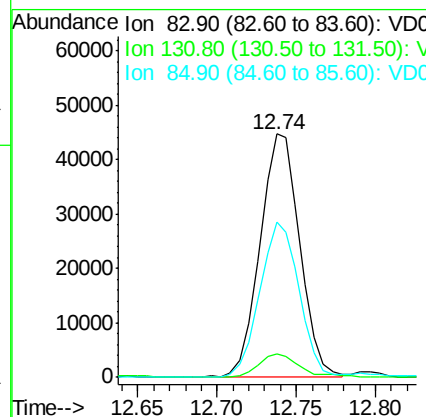
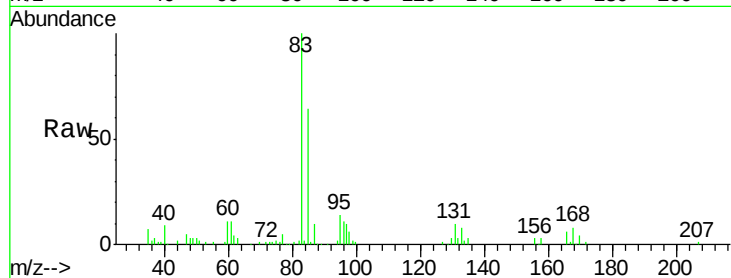
ClientSampleId :

VD0227SBSD01

Tot Ion:	83	Resp:	78041
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.4	16.2
85	63.3	31.6	94.8

Manual Integrations
APPROVED

MMDadoda
2/28/2020 9:59:10 AM



#76

1,2,3-Trichloropropane

Concen: 19.458 ug/l m

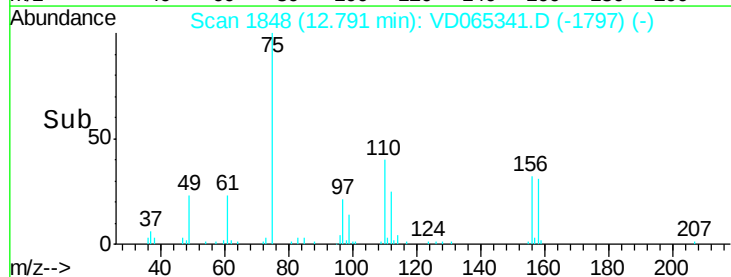
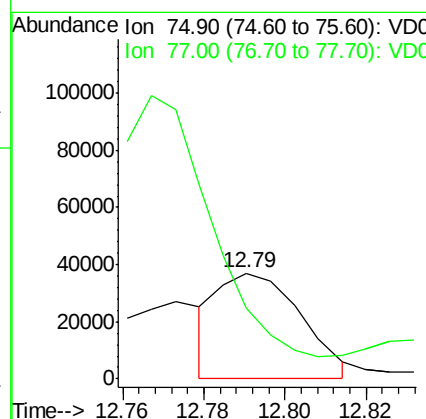
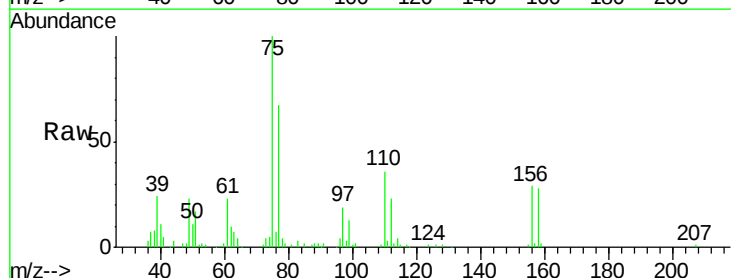
RT: 12.79 min Scan# 1848

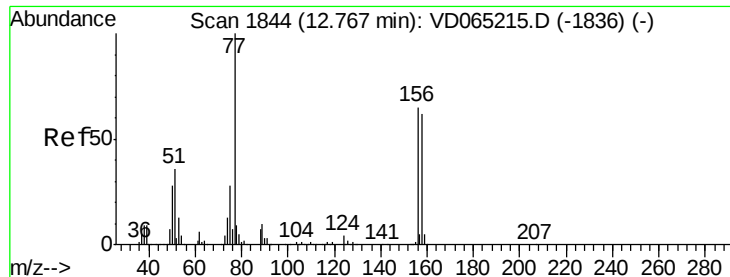
Delta R.T. 0.00 min

Lab File: VD065341.D

Acq: 27 Feb 2020 11:50

Tgt Ion:	75	Resp:	52883
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.108 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065341.D

Acq: 27 Feb 2020 11:50

Instrument :

MSVOA_D

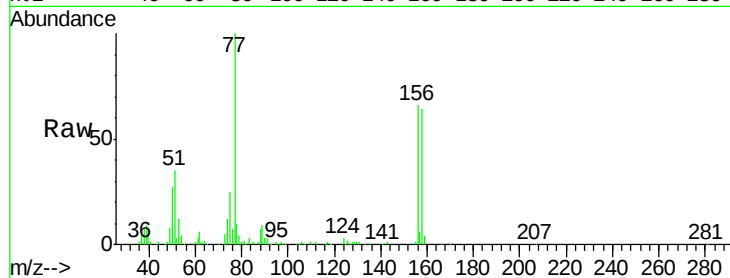
ClientSampleId :

VD0227SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	170.3	86.6	259.7
158	97.1	48.1	144.3

Manual Integrations
APPROVED

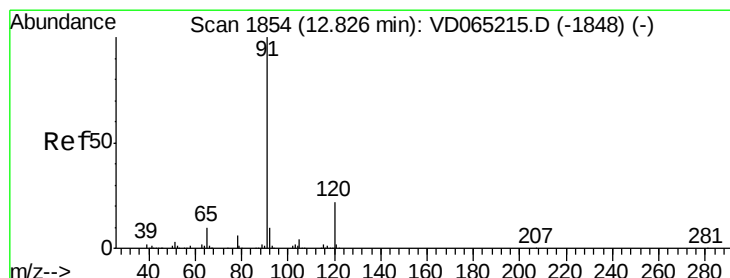
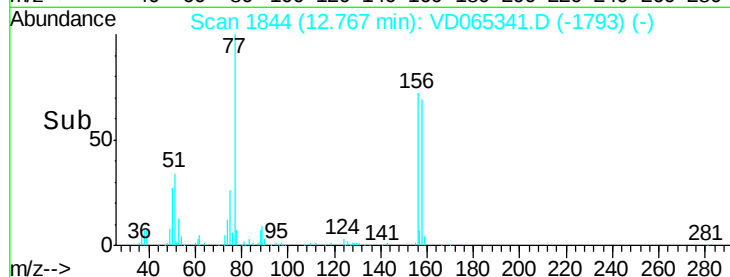
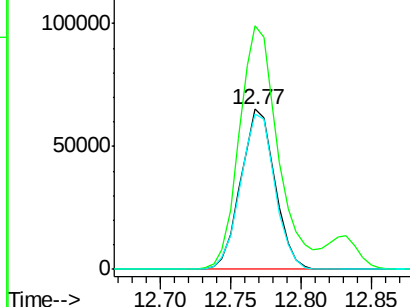
MMDadoda
2/28/2020 9:59:10 AM



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



#78

n-propylbenzene

Concen: 21.527 ug/l

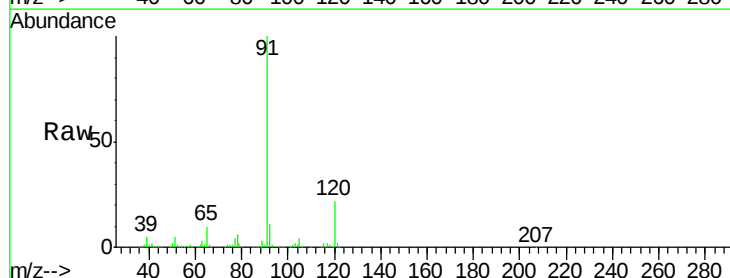
RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065341.D

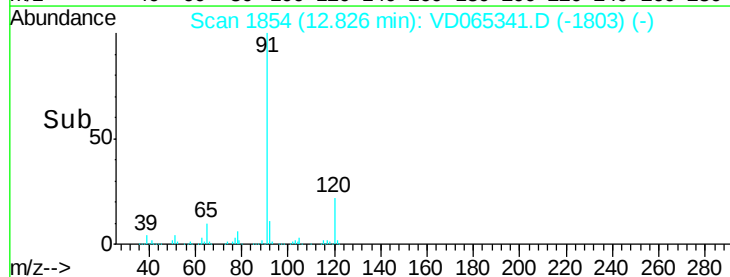
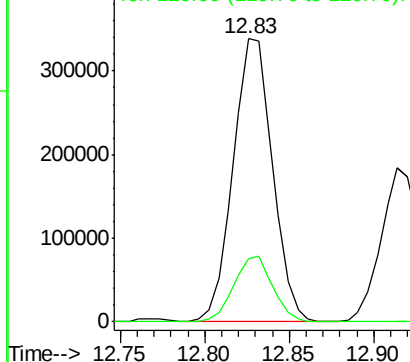
Acq: 27 Feb 2020 11:50

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.9	11.5	34.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.258 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065341.D

Acq: 27 Feb 2020 11:50

Instrument :

MSVOA_D

ClientSampleId :

VD0227SBS01

Tot Ion: 91 Resp: 302648

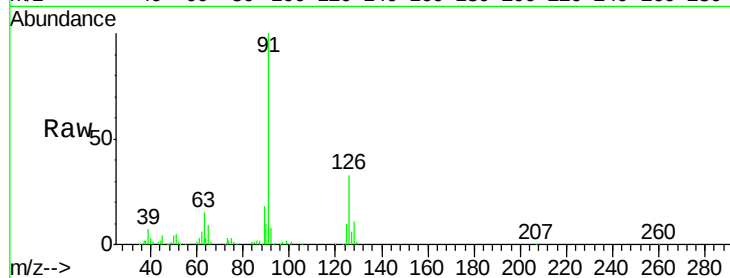
Ion Ratio Lower Upper

91 100

126 35.1 17.5 52.6

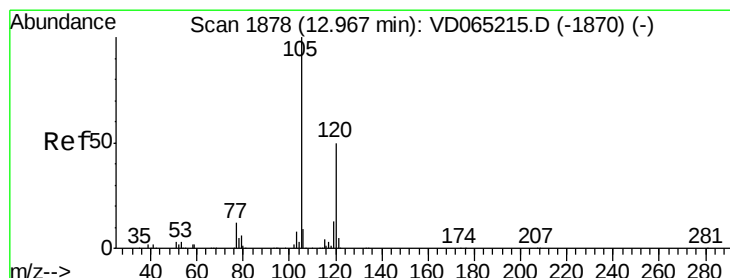
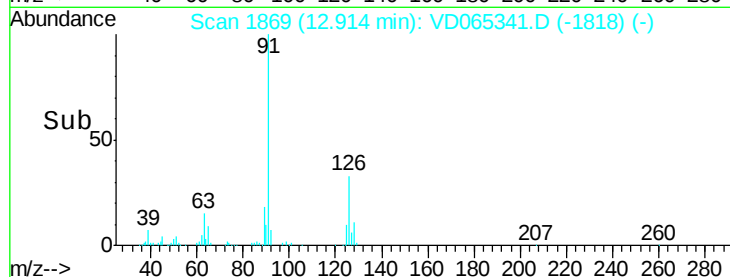
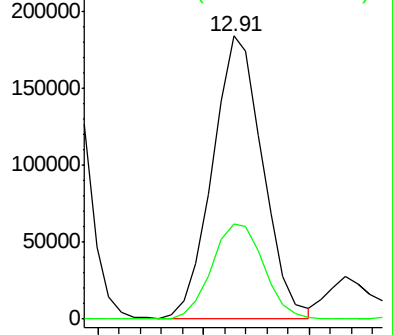
Manual Integrations
APPROVED

MMDadoda
2/28/2020 9:59:10 AM



Abundance Ion 91.00 (90.70 to 91.70): VD0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 21.474 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065341.D

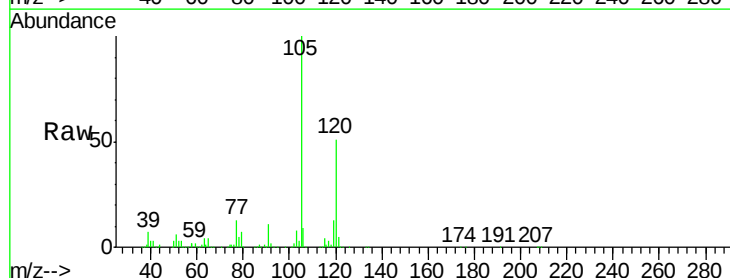
Acq: 27 Feb 2020 11:50

Tgt Ion: 105 Resp: 374022

Ion Ratio Lower Upper

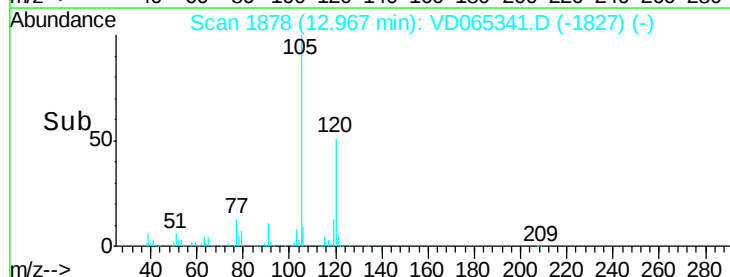
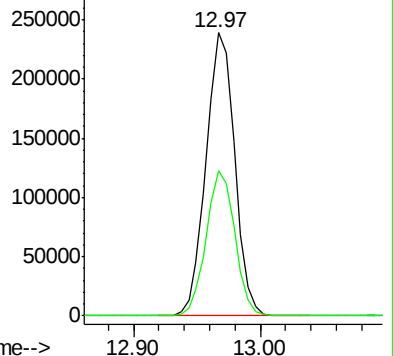
105 100

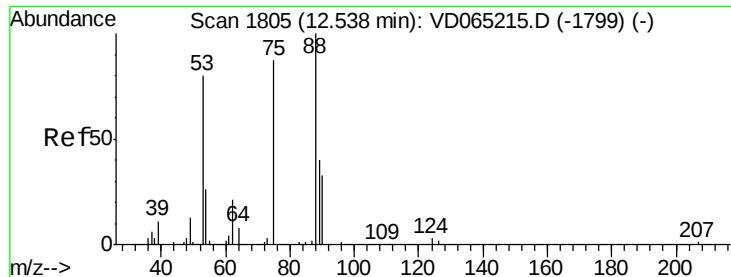
120 51.4 25.4 76.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





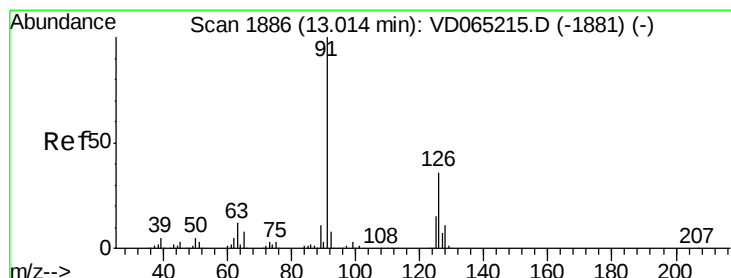
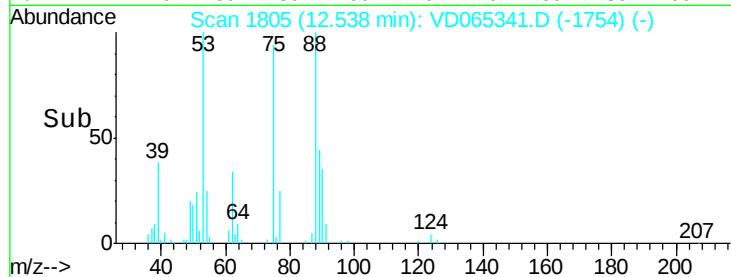
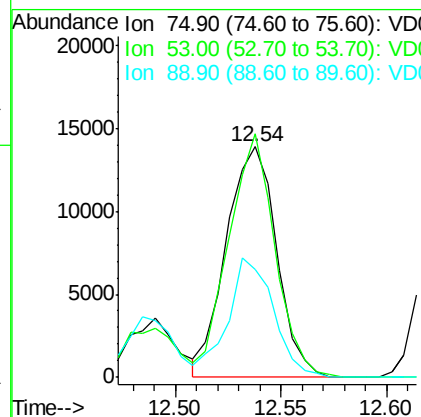
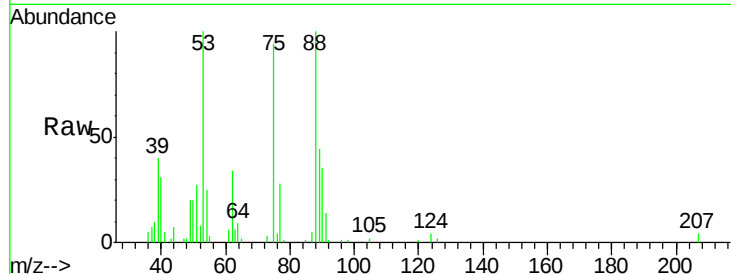
#81
trans-1,4-Dichloro-2-butene
Concen: 18.231 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. 0.00 min
Lab File: VD065341.D
Acq: 27 Feb 2020 11:50

Instrument :
MSVOA_D
ClientSampleId :
VD0227SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	97.1	77.6	116.4
89	46.7	37.2	55.8

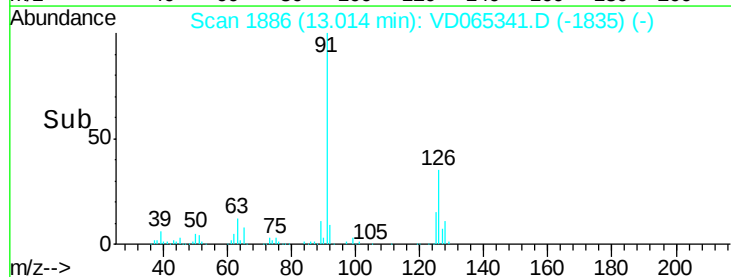
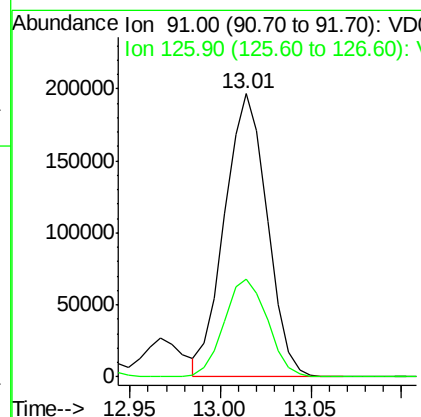
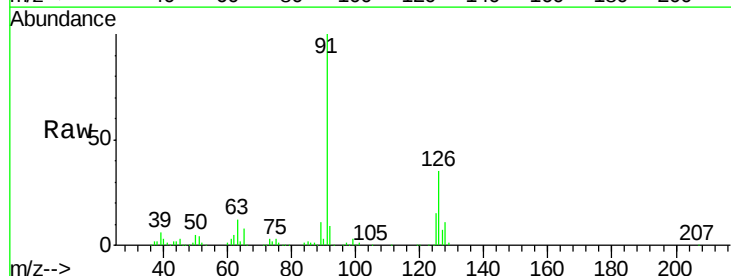
Manual Integrations
APPROVED

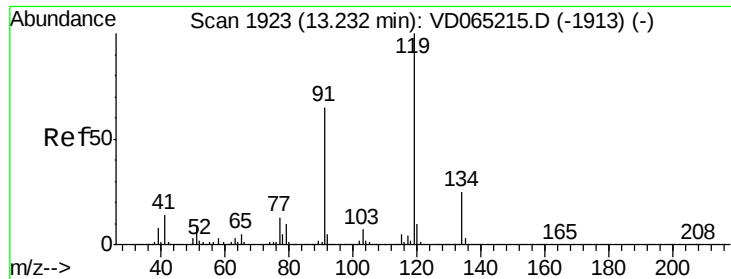
MMDadoda
2/28/2020 9:59:10 AM



#82
4-Chlorotoluene
Concen: 21.202 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VD065341.D
Acq: 27 Feb 2020 11:50

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.4	52.3





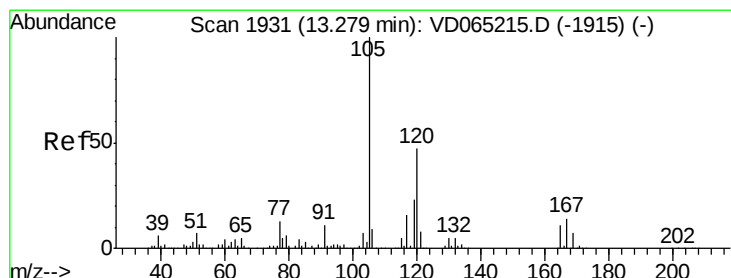
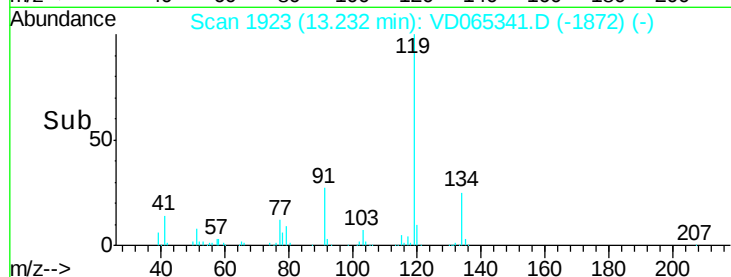
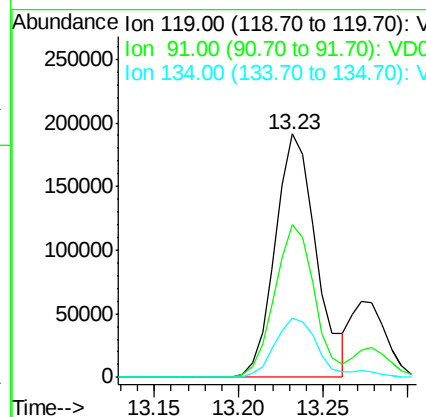
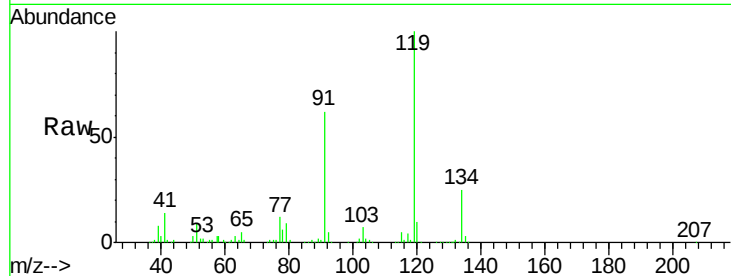
#83
tert-Butylbenzene
Concen: 21.966 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065341.D
Acq: 27 Feb 2020 11:50

Instrument :
MSVOA_D
ClientSampleId :
VD0227SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.8	31.9	95.5
134	26.7	13.8	41.3

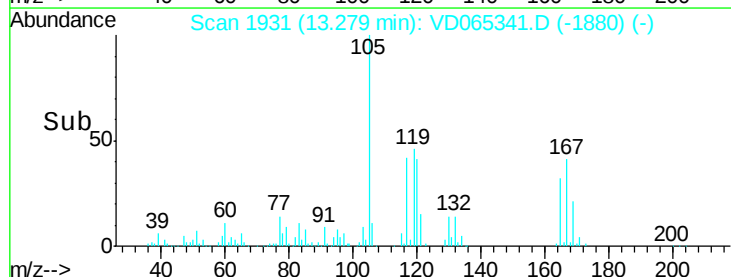
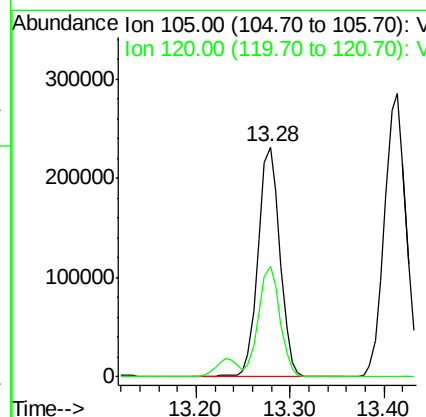
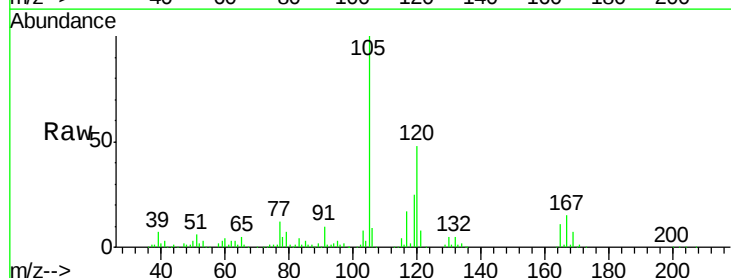
Manual Integrations
APPROVED

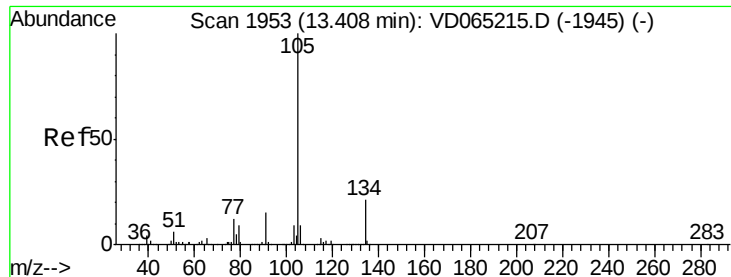
MMDadoda
2/28/2020 9:59:10 AM



#84
1,2,4-Trimethylbenzene
Concen: 21.425 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.00 min
Lab File: VD065341.D
Acq: 27 Feb 2020 11:50

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.1	23.3	69.9





#85

sec-Butylbenzene

Concen: 21.464 ug/l

RT: 13.41 min Scan# 1954

Delta R.T. 0.01 min

Lab File: VD065341.D

Acq: 27 Feb 2020 11:50

Instrument :

MSVOA_D

ClientSampleId :

VD0227SBS01

Tot Ion:105 Resp: 451503

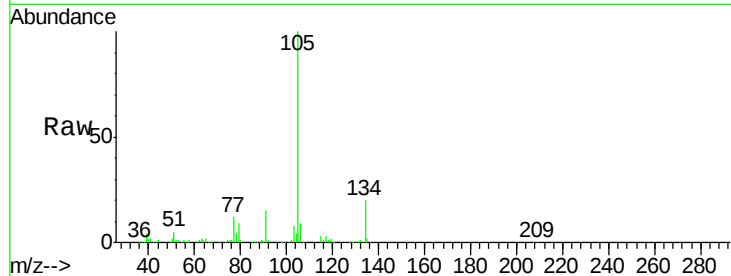
Ion Ratio Lower Upper

105 100

134 20.4 10.3 30.9

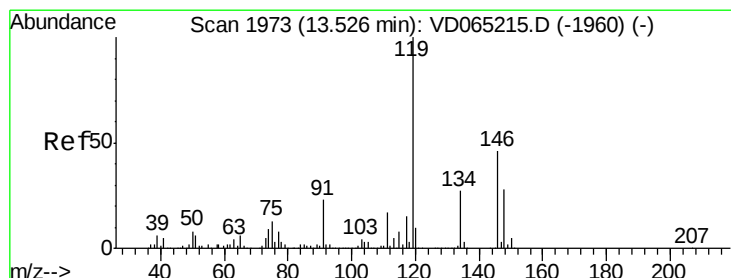
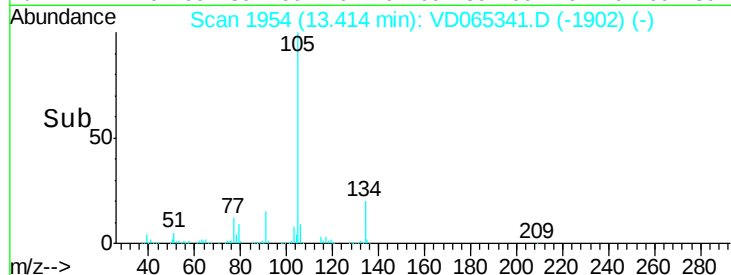
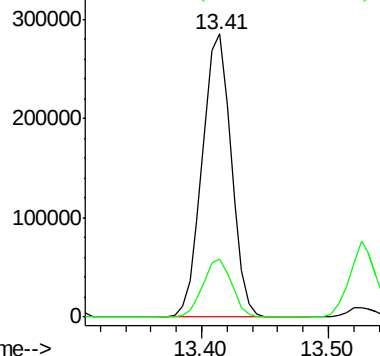
Manual Integrations
APPROVED

MMDadoda
2/28/2020 9:59:10 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.349 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065341.D

Acq: 27 Feb 2020 11:50

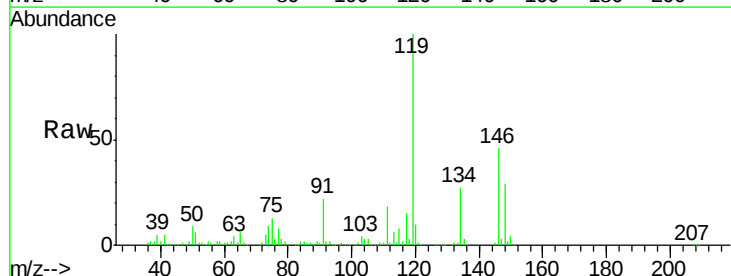
Tgt Ion:119 Resp: 410683

Ion Ratio Lower Upper

119 100

134 27.0 13.3 39.8

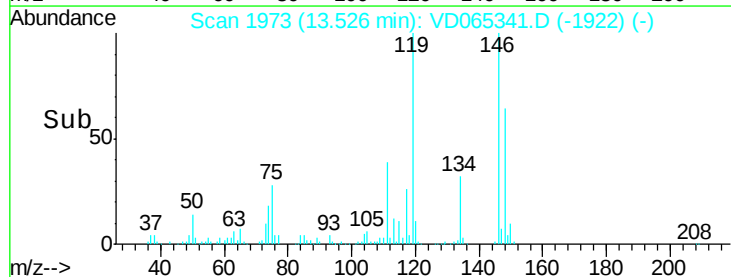
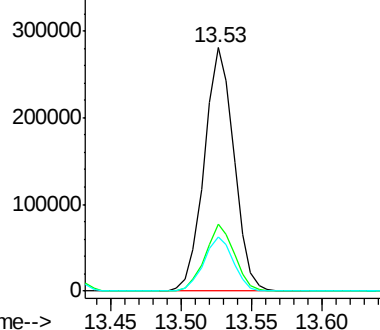
91 22.0 11.1 33.1

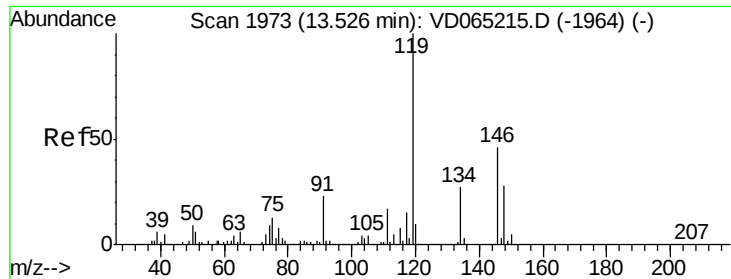


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





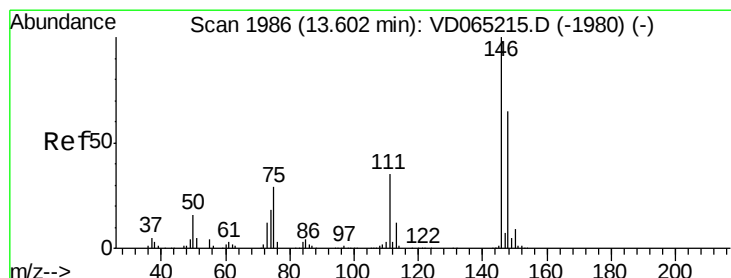
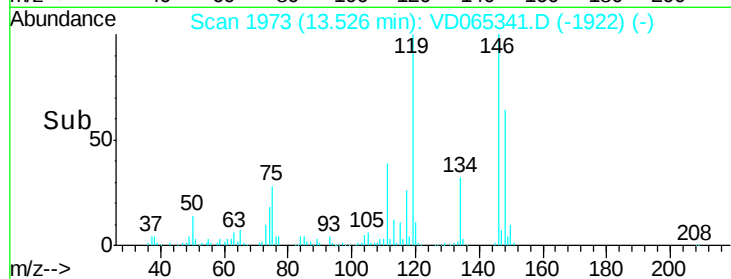
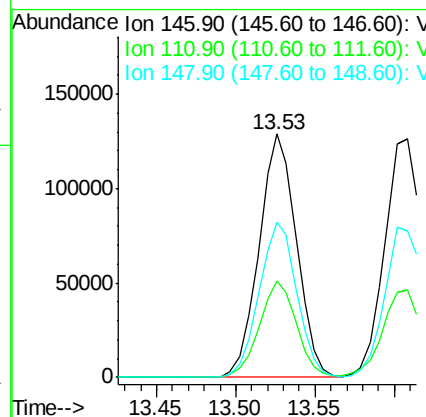
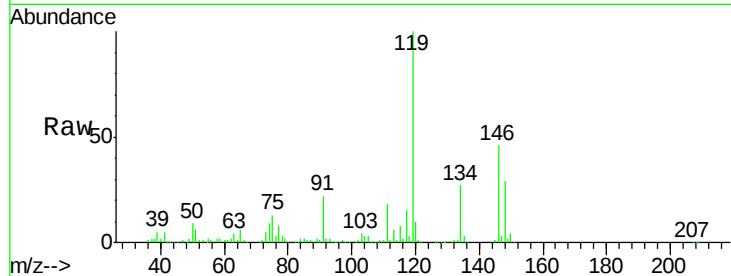
#87
 1,3-Dichlorobenzene
 Concen: 20.852 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065341.D
 Acq: 27 Feb 2020 11:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0227SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	211686		
111	39.0	18.6	55.8	
148	64.0	31.4	94.3	

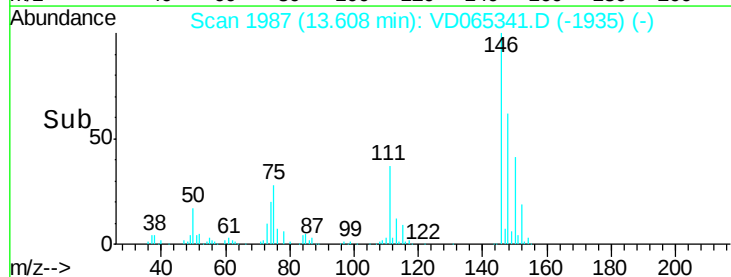
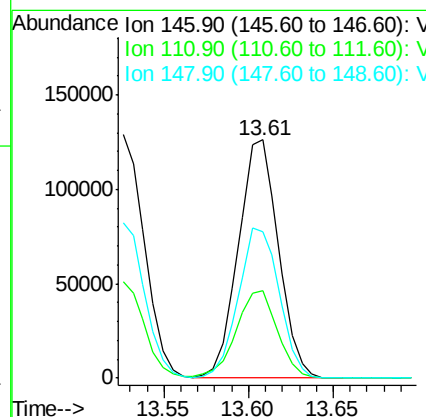
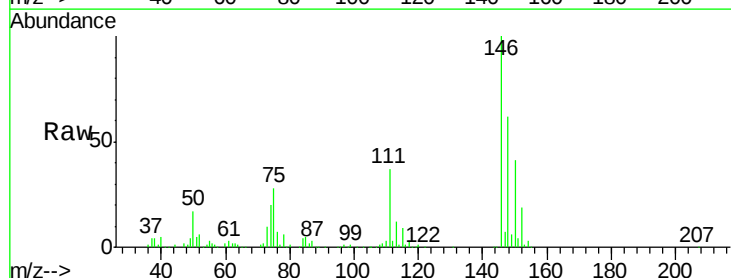
Manual Integrations
 APPROVED

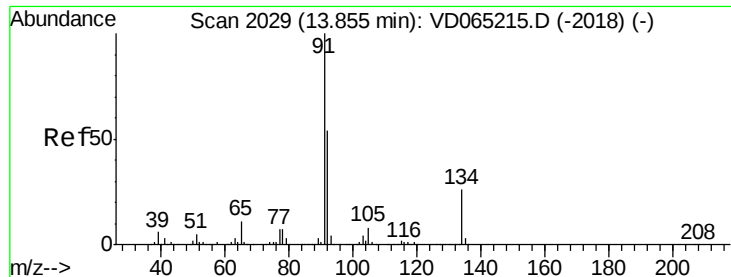
MMDadoda
 2/28/2020 9:59:10 AM



#88
 1,4-Dichlorobenzene
 Concen: 20.847 ug/l
 RT: 13.61 min Scan# 1987
 Delta R.T. 0.01 min
 Lab File: VD065341.D
 Acq: 27 Feb 2020 11:50

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	208875		
111	37.9	18.4	55.2	
148	64.3	32.1	96.5	





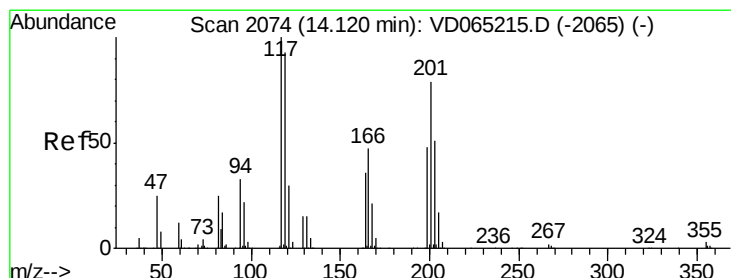
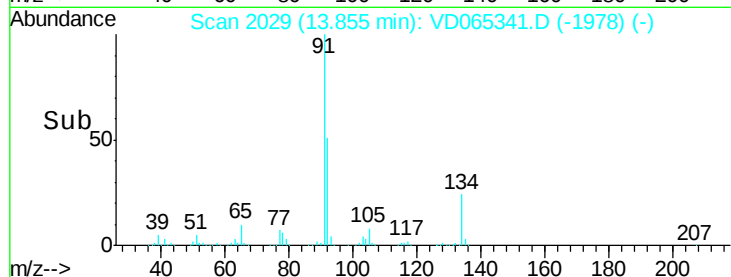
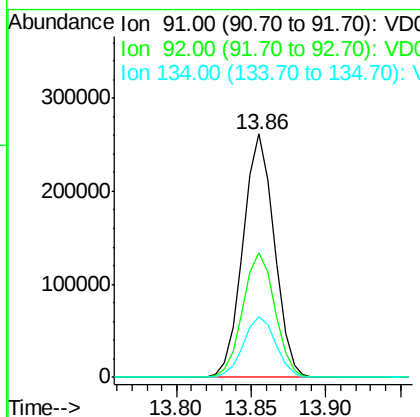
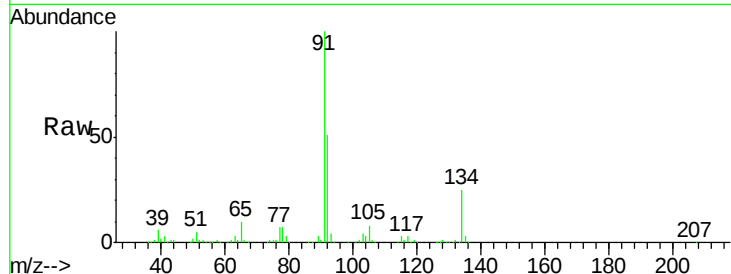
#89
n-Butylbenzene
Concen: 21.449 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065341.D
Acq: 27 Feb 2020 11:50

Instrument :
MSVOA_D
ClientSampleId :
VD0227SBS001

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	52.3	27.0	80.8	
134	25.8	13.5	40.4	

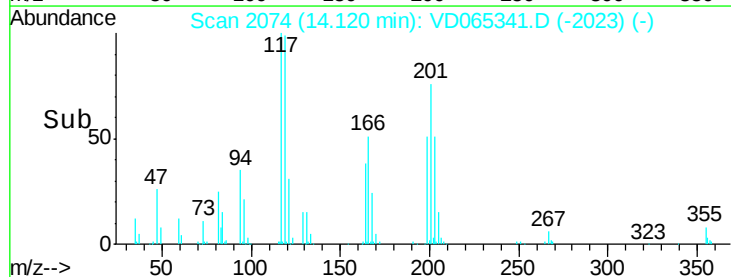
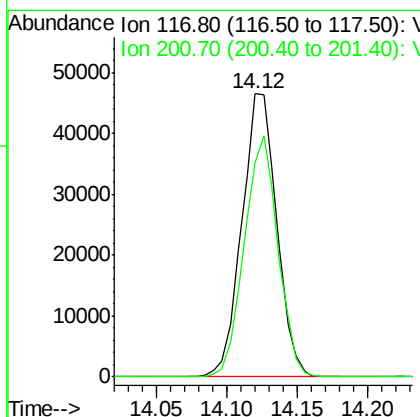
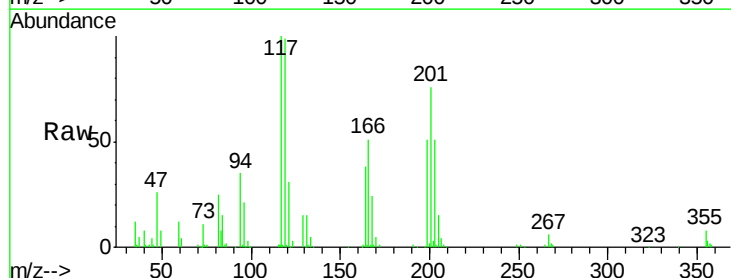
Manual Integrations
APPROVED

MMDadoda
2/28/2020 9:59:10 AM



#90
Hexachloroethane
Concen: 20.659 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065341.D
Acq: 27 Feb 2020 11:50

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	81.7	41.3	124.1	





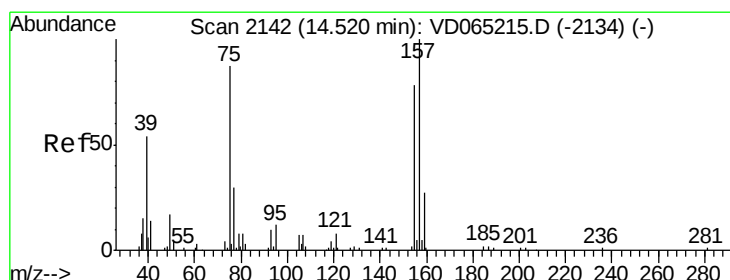
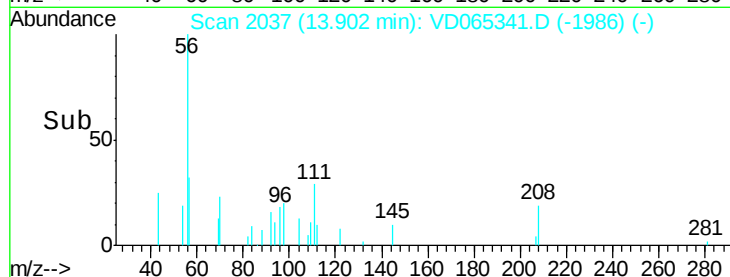
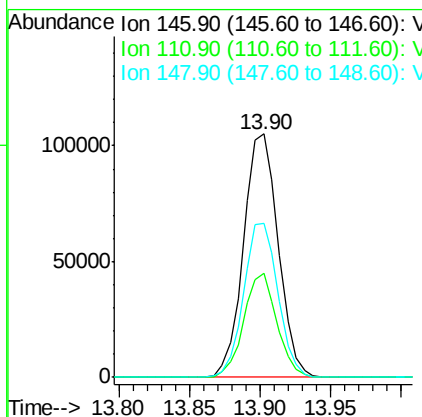
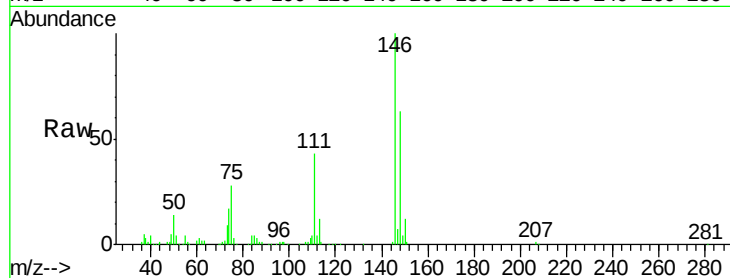
#91
 1,2-Dichlorobenzene
 Concen: 20.772 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VD065341.D
 Acq: 27 Feb 2020 11:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0227SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	19.7	59.0
148	62.8	32.0	96.2

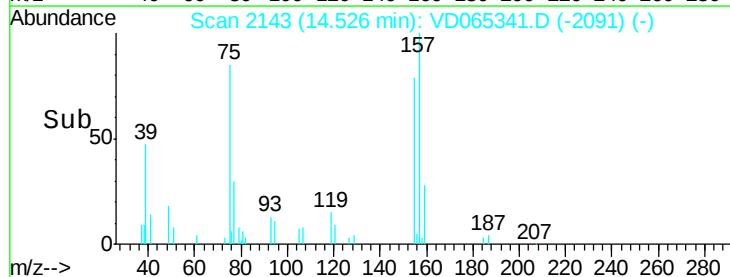
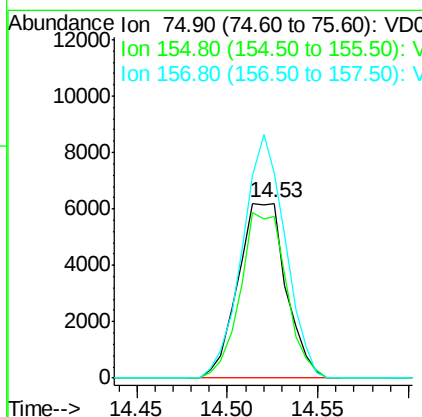
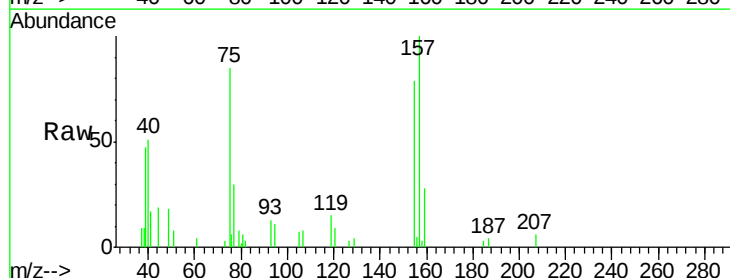
Manual Integrations
 APPROVED

MMDadoda
 2/28/2020 9:59:10 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.466 ug/l
 RT: 14.53 min Scan# 2143
 Delta R.T. 0.01 min
 Lab File: VD065341.D
 Acq: 27 Feb 2020 11:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.1	42.3	126.9
157	123.8	56.7	170.1





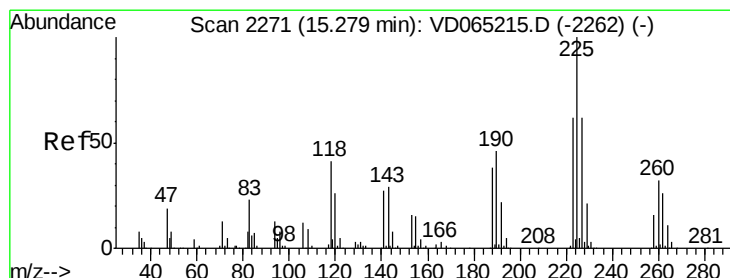
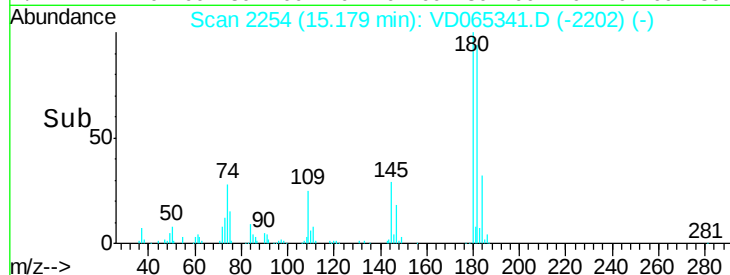
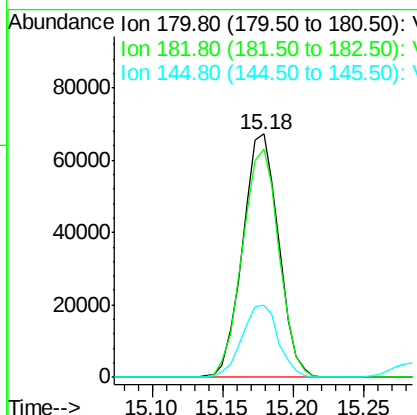
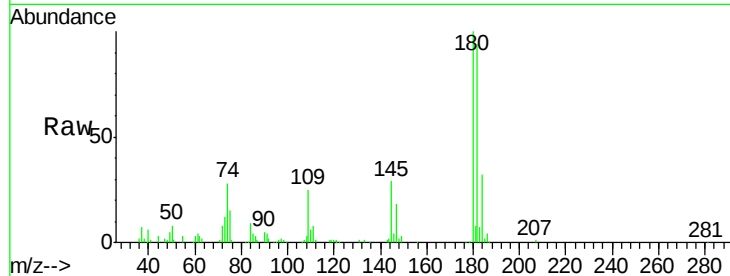
#93
 1,2,4-Trichlorobenzene
 Concen: 21.080 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.01 min
 Lab File: VD065341.D
 Acq: 27 Feb 2020 11:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0227SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	120191		
182	95.5	46.9	140.6	
145	30.1	13.9	41.7	

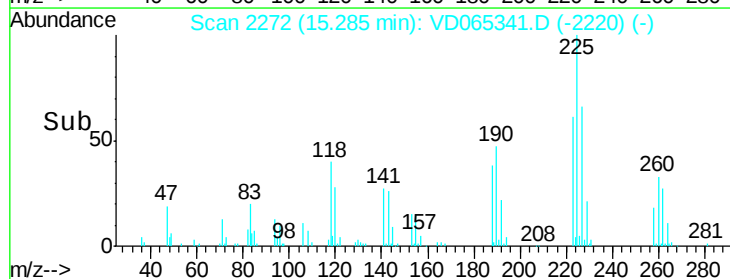
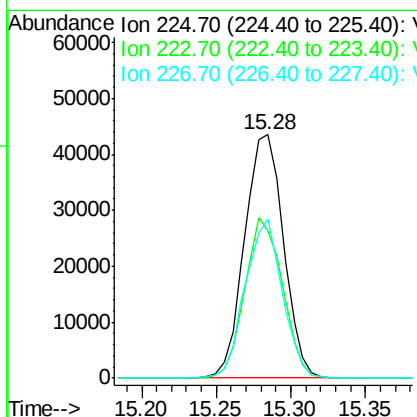
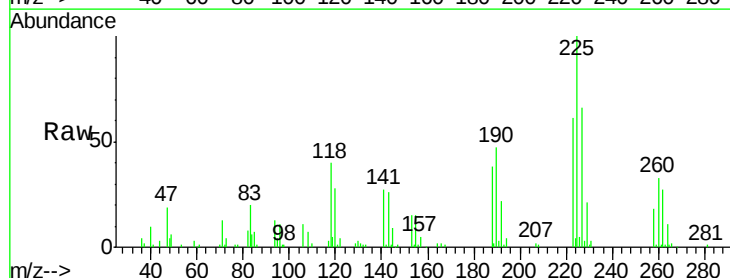
Manual Integrations
 APPROVED

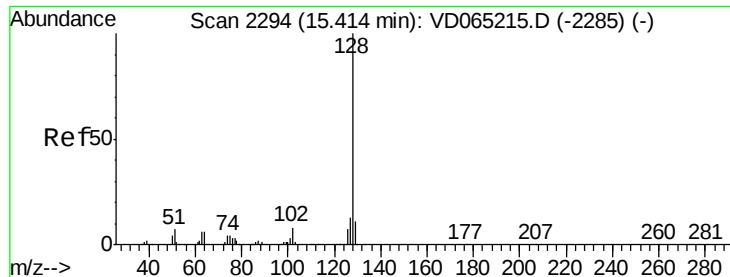
MMDadoda
 2/28/2020 9:59:10 AM



#94
 Hexachlorobutadiene
 Concen: 21.435 ug/l
 RT: 15.28 min Scan# 2272
 Delta R.T. 0.01 min
 Lab File: VD065341.D
 Acq: 27 Feb 2020 11:50

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	78401		
223	64.0	31.4	94.2	
227	62.6	31.7	95.1	





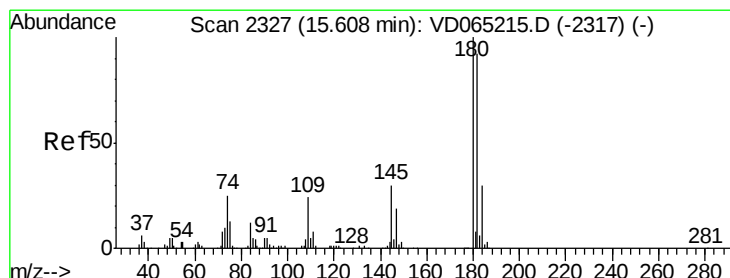
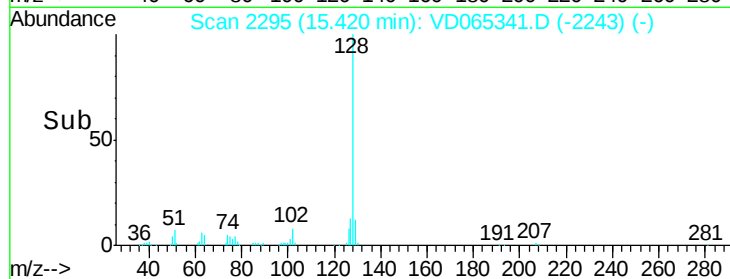
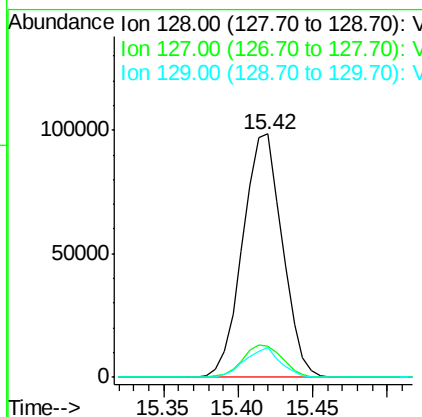
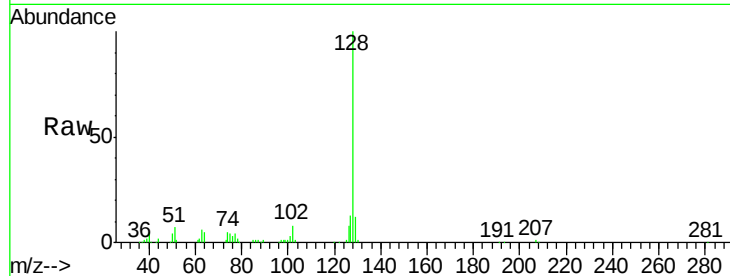
#95
Naphthalene
Concen: 19.524 ug/l
RT: 15.42 min Scan# 2295
Delta R.T. 0.01 min
Lab File: VD065341.D
Acq: 27 Feb 2020 11:50

Instrument :
MSVOA_D
ClientSampleId :
VD0227SBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.3	15.5
129	10.9	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
2/28/2020 9:59:10 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.876 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD065341.D
Acq: 27 Feb 2020 11:50

Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.2	46.9	140.6
145	31.0	15.4	46.1

