

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD010920\
 Data File : VD064810.D
 Acq On : 09 Jan 2020 12:00
 Operator : VA/SY
 Sample : VD0109SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0109SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/10/2020 10:41:58 AM

Quant Time: Jan 09 14:13:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	394959	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	571438	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	505903	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	253883	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	173920	49.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.88%	
35) Dibromofluoromethane	7.91	113	174111	49.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.32%	
50) Toluene-d8	10.34	98	647280	48.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.42%	
62) 4-Bromofluorobenzene	12.64	95	208624	49.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	63492	20.685	ug/l	93
3) Chloromethane	2.21	50	93946	21.885	ug/l	99
4) Vinyl Chloride	2.35	62	112922	21.575	ug/l	100
5) Bromomethane	2.76	94	77555	20.379	ug/l	94
6) Chloroethane	2.92	64	76488	21.809	ug/l	93
7) Trichlorofluoromethane	3.27	101	189152	21.463	ug/l	94
8) Diethyl Ether	3.70	74	37810	21.605	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.08	101	81177	22.241	ug/l	99
10) Methyl Iodide	4.29	142	75500	19.258	ug/l	99
11) Tert butyl alcohol	5.25	59	17607m	88.214	ug/l	
12) 1,1-Dichloroethene	4.06	96	77265	22.236	ug/l	90
13) Acrolein	3.93	56	23739	85.341	ug/l	98
14) Allyl chloride	4.70	41	115446	21.309	ug/l	98
15) Acrylonitrile	5.43	53	79985	109.725	ug/l	99
16) Acetone	4.16	43	85439	111.452	ug/l	94
17) Carbon Disulfide	4.40	76	232260	20.672	ug/l	98
18) Methyl Acetate	4.72	43	43731	22.303	ug/l	99
19) Methyl tert-butyl Ether	5.47	73	171707	22.248	ug/l	94
20) Methylene Chloride	4.96	84	90363	22.701	ug/l	94
21) trans-1,2-Dichloroethene	5.46	96	85508	21.608	ug/l	97
22) Diisopropyl ether	6.37	45	241727	22.370	ug/l	98
23) Vinyl Acetate	6.30	43	674210	109.989	ug/l	99
24) 1,1-Dichloroethane	6.26	63	145151	22.375	ug/l	96
25) 2-Butanone	7.21	43	109259	114.131	ug/l	96
26) 2,2-Dichloropropane	7.21	77	137463	22.791	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	93124	21.805	ug/l	97
28) Bromochloromethane	7.54	49	51846	20.560	ug/l	99
29) Tetrahydrofuran	7.57	42	64448	108.256	ug/l	99
30) Chloroform	7.71	83	154376	22.682	ug/l	98
31) Cyclohexane	7.98	56	137025	21.101	ug/l #	94
32) 1,1,1-Trichloroethane	7.90	97	142288	22.258	ug/l	97
36) 1,1-Dichloropropene	8.11	75	120566	21.921	ug/l	98
37) Ethyl Acetate	7.30	43	46473	21.508	ug/l	95
38) Carbon Tetrachloride	8.10	117	129489	22.079	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD010920\
 Data File : VD064810.D
 Acq On : 09 Jan 2020 12:00
 Operator : VA/SY
 Sample : VD0109SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0109SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/10/2020 10:41:58 AM

Quant Time: Jan 09 14:13:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	140707	21.122	ug/l	94
40) Benzene	8.35	78	332017	22.113	ug/l	99
41) Methacrylonitrile	7.52	41	25391	20.254	ug/l	91
42) 1,2-Dichloroethane	8.43	62	99822	23.007	ug/l	98
43) Isopropyl Acetate	8.46	43	93613	21.767	ug/l	100
44) Trichloroethene	9.11	130	96404	21.856	ug/l	98
45) 1,2-Dichloropropane	9.38	63	82892	23.122	ug/l	99
46) Dibromomethane	9.48	93	42830	21.429	ug/l	96
47) Bromodichloromethane	9.66	83	118693	22.317	ug/l	96
48) Methyl methacrylate	9.46	41	42085	20.783	ug/l	92
49) 1,4-Dioxane	9.46	88	9802	425.312	ug/l #	93
51) 4-Methyl-2-Pentanone	10.23	43	232486	109.367	ug/l	100
52) Toluene	10.40	92	215757	21.903	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	107114	21.602	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	128301	21.944	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	60199	22.349	ug/l	94
56) Ethyl methacrylate	10.66	69	72497	21.551	ug/l	99
57) 1,3-Dichloropropane	10.95	76	102097	22.014	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	145467	113.500	ug/l	99
59) 2-Hexanone	10.99	43	165680	114.833	ug/l	99
60) Dibromochloromethane	11.14	129	81780	21.955	ug/l	98
61) 1,2-Dibromoethane	11.25	107	57546	21.660	ug/l	99
64) Tetrachloroethene	10.88	164	84138	21.678	ug/l	96
65) Chlorobenzene	11.67	112	226754	21.596	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	85773	21.669	ug/l	98
67) Ethyl Benzene	11.75	91	405648	21.285	ug/l	97
68) m/p-Xylenes	11.86	106	316316	43.001	ug/l	100
69) o-Xylene	12.18	106	138281	20.812	ug/l	98
70) Styrene	12.20	104	249192	21.367	ug/l	98
71) Bromoform	12.36	173	49403	21.886	ug/l #	97
73) Isopropylbenzene	12.48	105	387795	21.374	ug/l	100
74) N-amyl acetate	12.30	43	81590	21.037	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	62652	21.982	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	49350m	24.616	ug/l	
77) Bromobenzene	12.77	156	94470	21.191	ug/l	97
78) n-propylbenzene	12.83	91	458460	21.660	ug/l	98
79) 2-Chlorotoluene	12.91	91	254497	21.888	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	323925	21.735	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	21308	22.229	ug/l	97
82) 4-Chlorotoluene	13.01	91	266804	21.562	ug/l	99
83) tert-Butylbenzene	13.23	119	270102	20.873	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	316838	21.346	ug/l	99
85) sec-Butylbenzene	13.41	105	380913	21.472	ug/l	100
86) p-Isopropyltoluene	13.53	119	358168	21.115	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	179095	21.074	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	185229	22.187	ug/l	98
89) n-Butylbenzene	13.85	91	328466	21.502	ug/l	98
90) Hexachloroethane	14.12	117	69192	21.354	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	154240	21.284	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	9442	20.436	ug/l	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD010920\
Data File : VD064810.D
Acq On : 09 Jan 2020 12:00
Operator : VA/SY
Sample : VD0109SBS01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0109SBS01

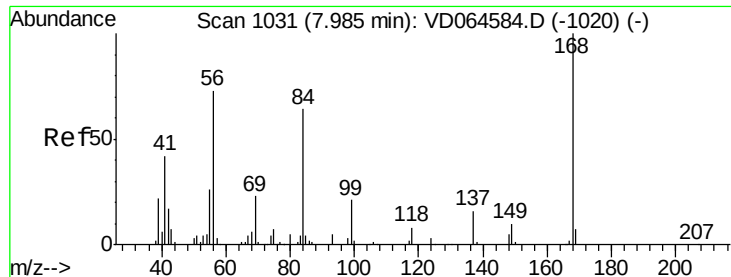
Manual Integrations
APPROVED

MMDadoda
1/10/2020 10:41:58 AM

Quant Time: Jan 09 14:13:16 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 24 13:19:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	107054	20.063	ug/l	99
94) Hexachlorobutadiene	15.28	225	65680	19.561	ug/l	97
95) Naphthalene	15.41	128	170463	20.194	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	91894	20.173	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064810.D

Acq: 09 Jan 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

VD0109SBS01

Tot Ion:168 Resp: 394959

Ion Ratio Lower Upper

168 100

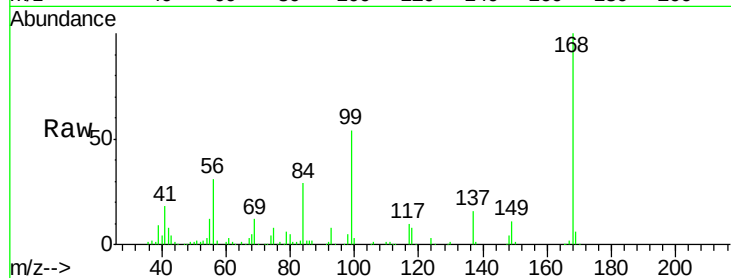
99 53.7 41.8 62.6

Manual Integrations

APPROVED

MMDadoda

1/10/2020 10:41:58 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

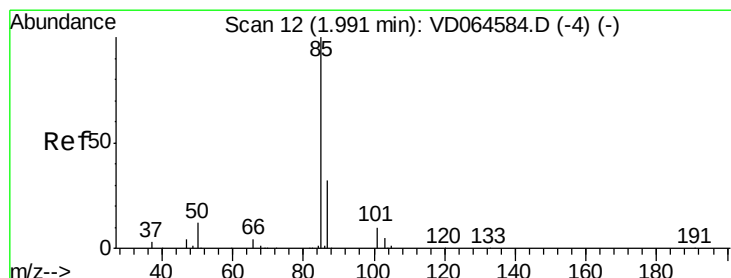
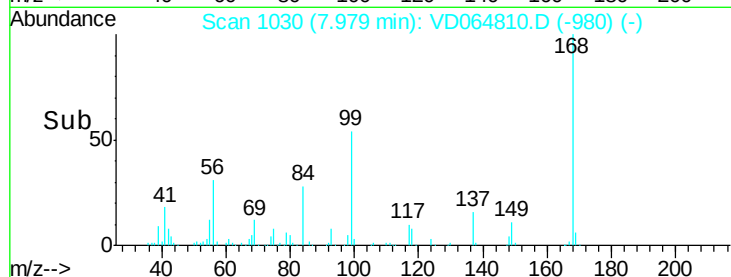
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 20.685 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064810.D

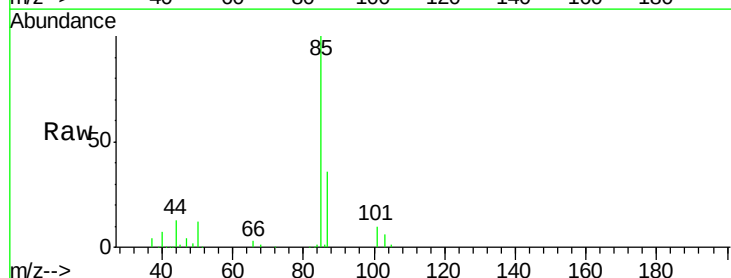
Acq: 09 Jan 2020 12:00

Tgt Ion: 85 Resp: 63492

Ion Ratio Lower Upper

85 100

87 35.9 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

50000

40000

30000

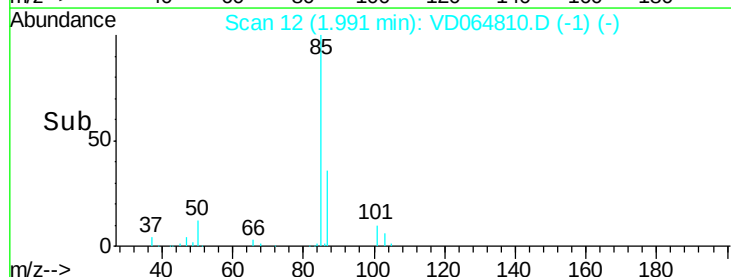
20000

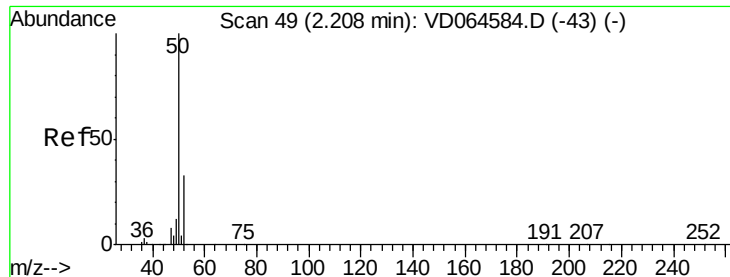
10000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 21.885 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064810.D

Acq: 09 Jan 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

VD0109SBS01

Tot Ion: 50 Resp: 93946

Ion Ratio Lower Upper

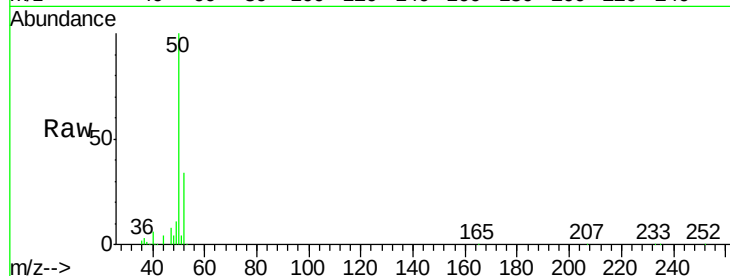
50 100

52 33.6 26.5 39.7

Manual Integrations
APPROVED

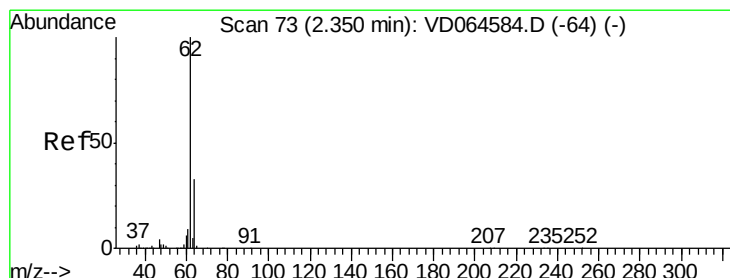
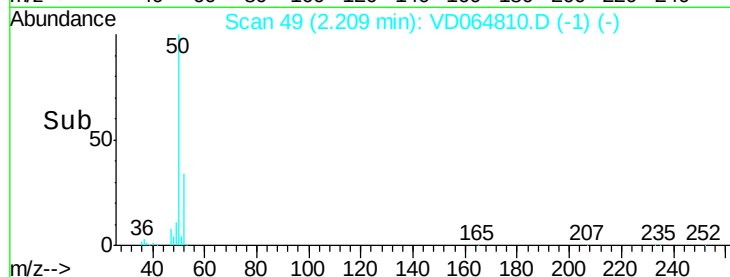
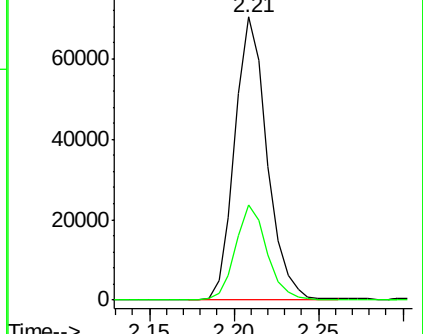
MMDadoda

1/10/2020 10:41:58 AM



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.575 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064810.D

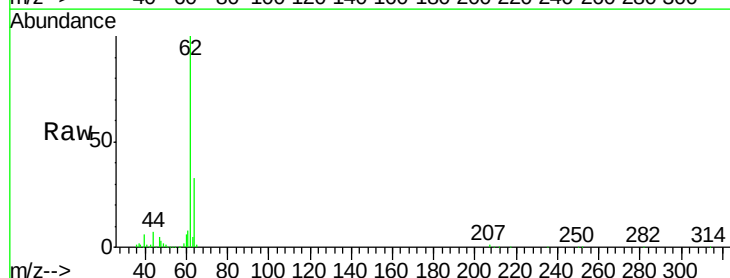
Acq: 09 Jan 2020 12:00

Tgt Ion: 62 Resp: 112922

Ion Ratio Lower Upper

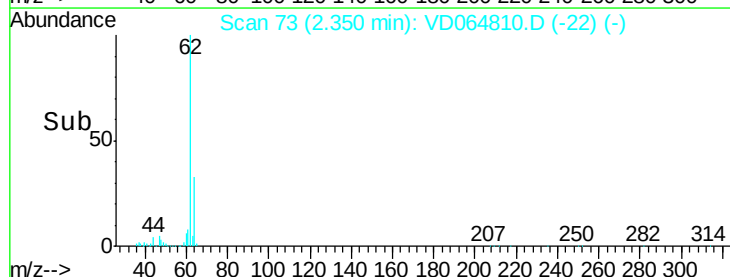
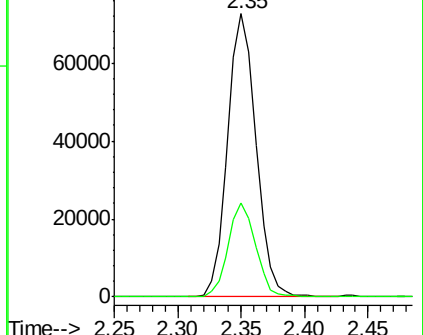
62 100

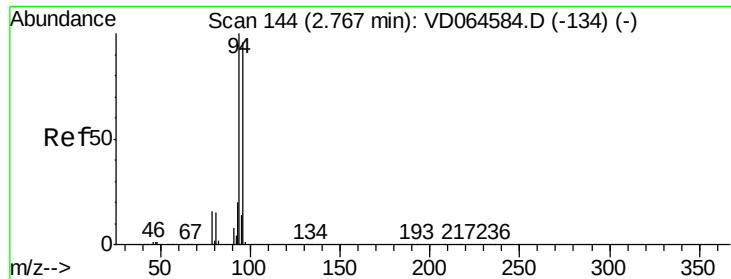
64 33.4 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 20.379 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD064810.D

Acq: 09 Jan 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

VD0109SBS01

Tot Ion: 94 Resp: 77555

Ion Ratio Lower Upper

94 100

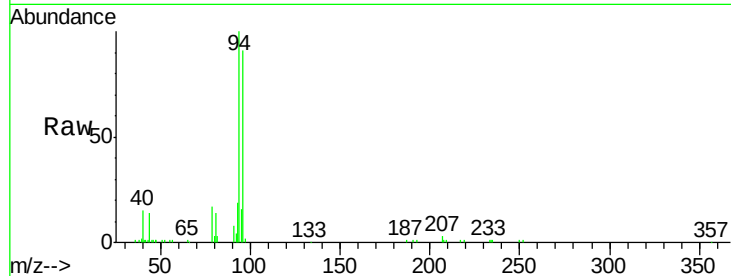
96 90.4 77.2 115.8

Manual Integrations

APPROVED

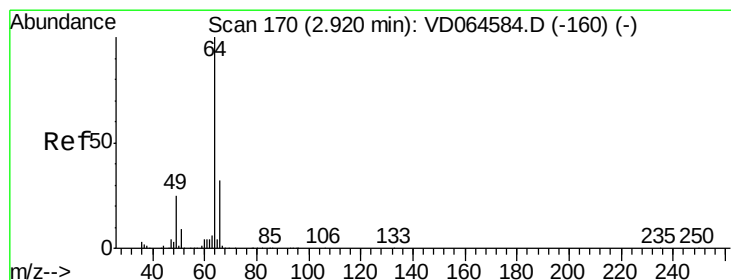
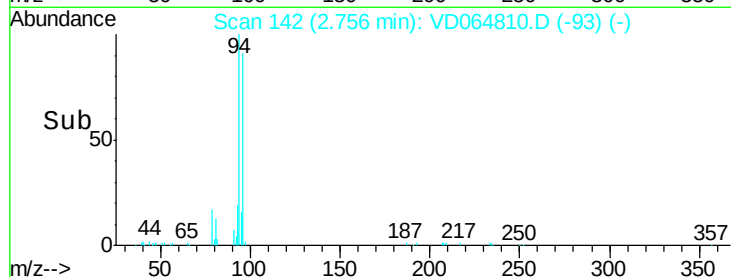
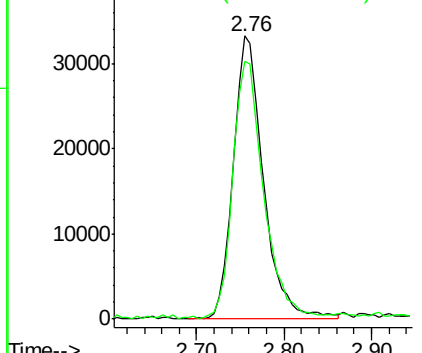
MMDadoda

1/10/2020 10:41:58 AM



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 21.809 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064810.D

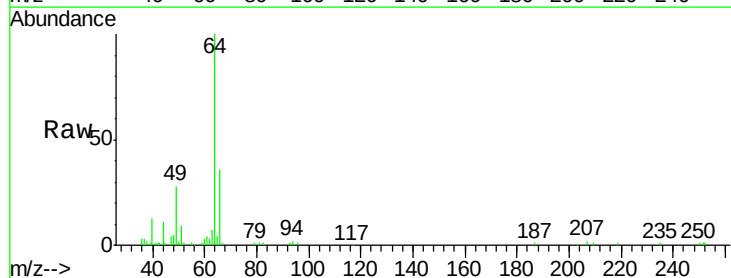
Acq: 09 Jan 2020 12:00

Tgt Ion: 64 Resp: 76488

Ion Ratio Lower Upper

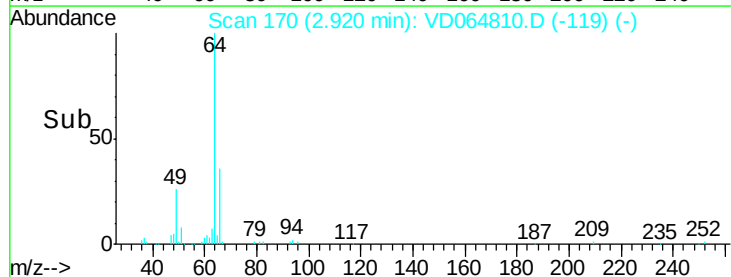
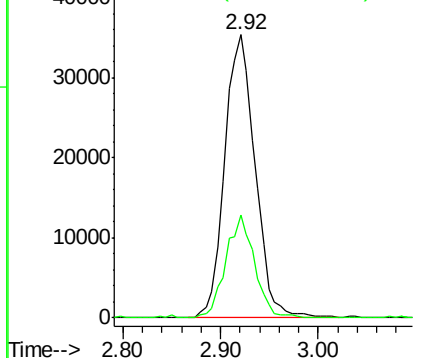
64 100

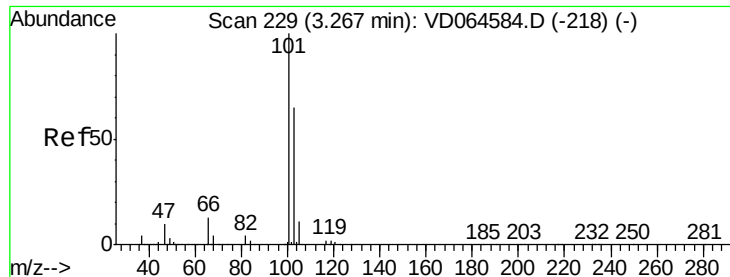
66 36.4 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

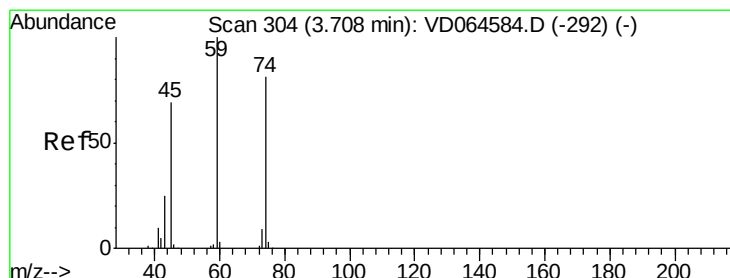
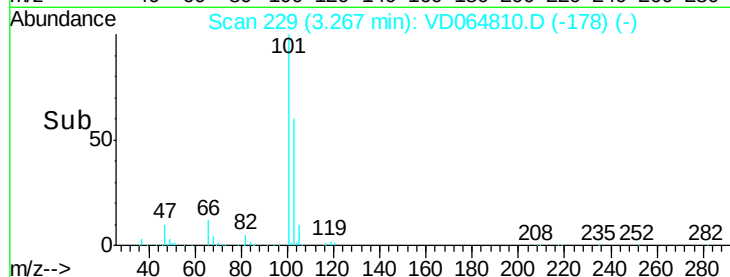
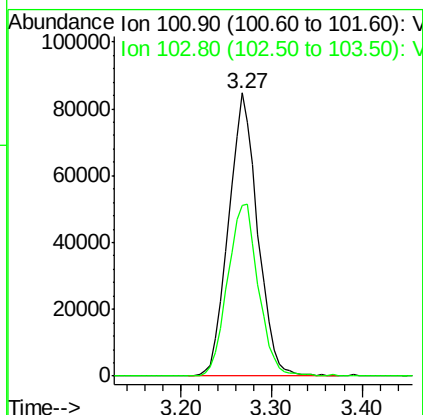
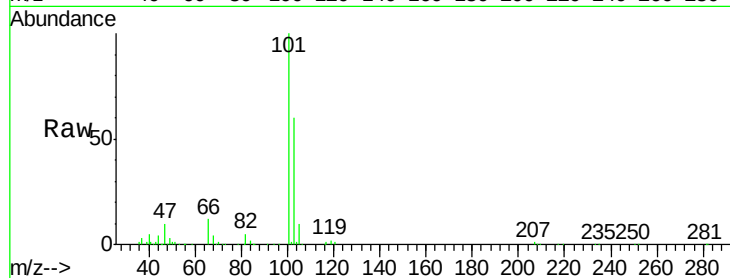
Trichlorofluoromethane
Concen: 21.463 ug/l
RT: 3.27 min Scan# 229
Delta R.T. 0.00 min
Lab File: VD064810.D
Acq: 09 Jan 2020 12:00

Instrument :
MSVOA_D
ClientSampleId :
VD0109SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	60.2	52.2	78.4

Manual Integrations
APPROVED

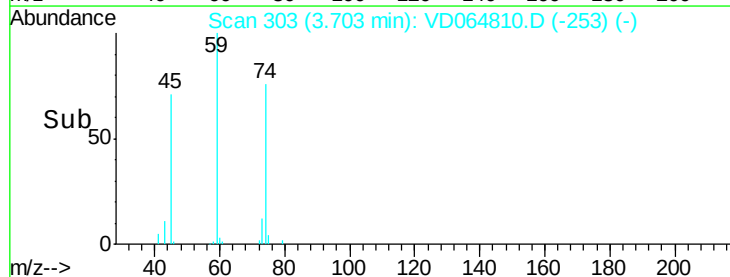
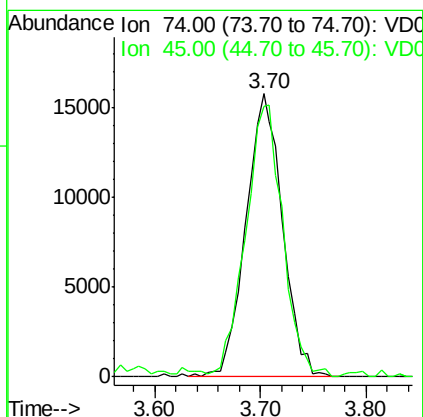
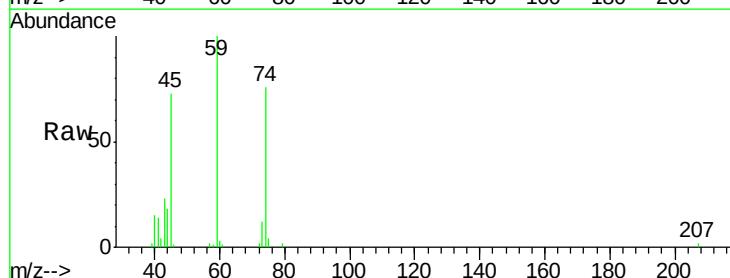
MMDadoda
1/10/2020 10:41:58 AM

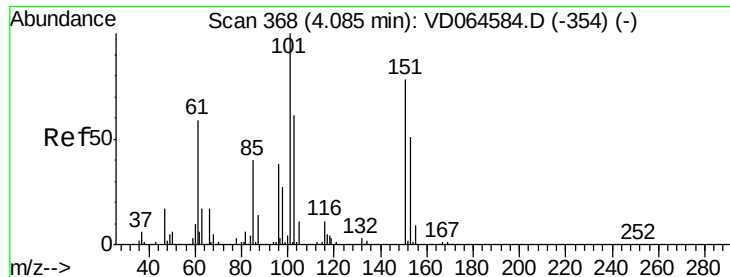


#8

Diethyl Ether
Concen: 21.605 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD064810.D
Acq: 09 Jan 2020 12:00

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.3	47.5	142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.241 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD064810.D

Acq: 09 Jan 2020 12:00

Instrument :

MSVOA_D

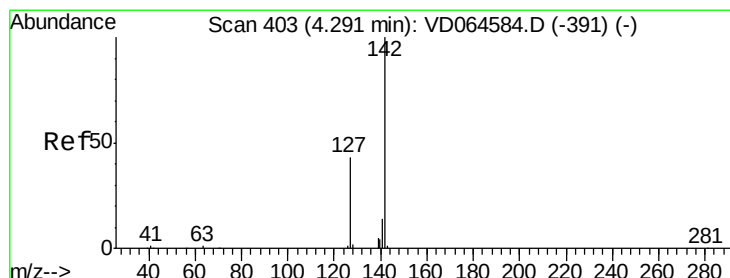
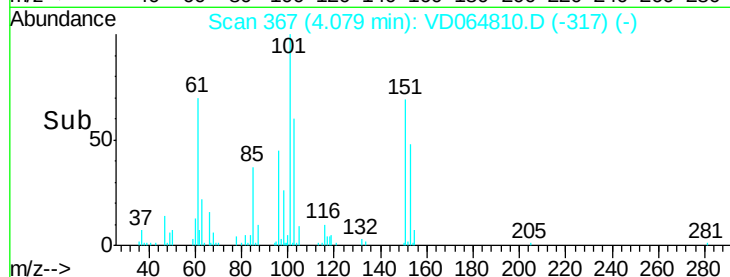
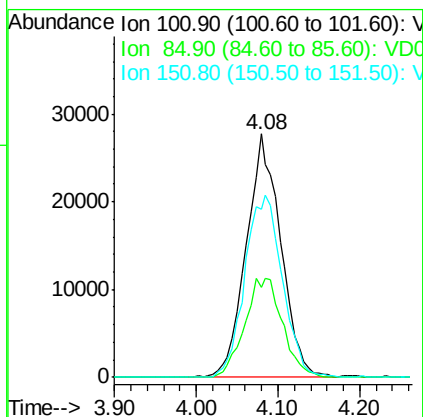
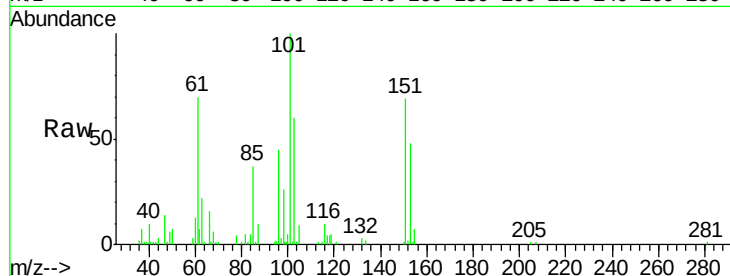
ClientSampleId :

VD0109SBS01

Tot Ion:	101	Resp:	81177
Ion Ratio	Lower	Upper	
101	100		
85	44.5	35.2	52.8
151	81.3	66.2	99.4

Manual Integrations
APPROVED

MMDadoda
1/10/2020 10:41:58 AM



#10

Methyl Iodide

Concen: 19.258 ug/l

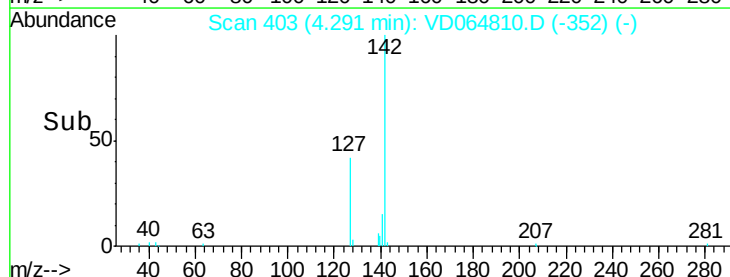
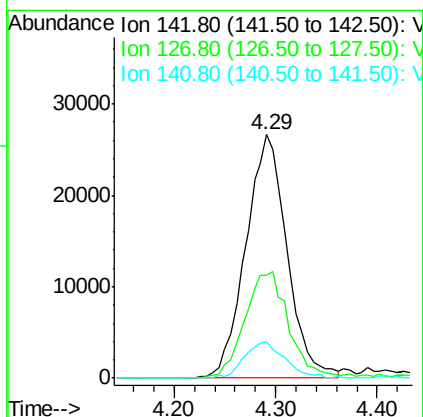
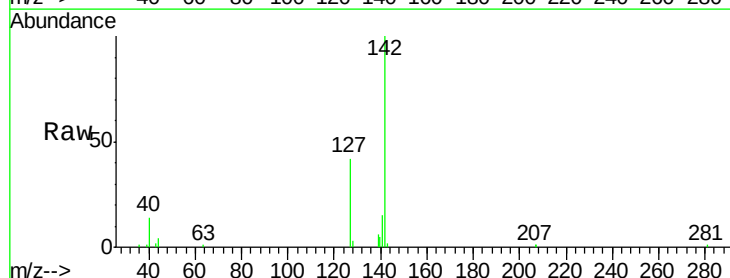
RT: 4.29 min Scan# 403

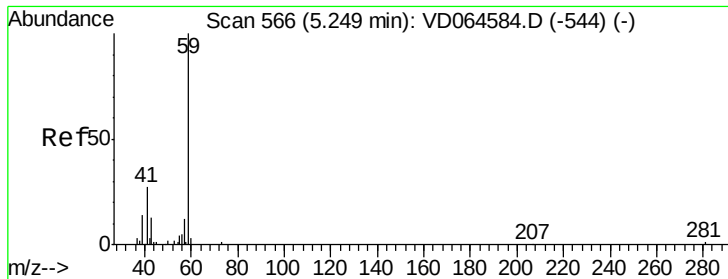
Delta R.T. 0.00 min

Lab File: VD064810.D

Acq: 09 Jan 2020 12:00

Tgt Ion:	142	Resp:	75500
Ion Ratio	Lower	Upper	
142	100		
127	46.4	36.2	54.4
141	14.5	11.8	17.8





#11

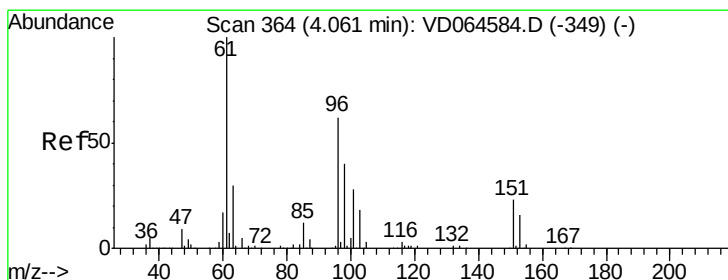
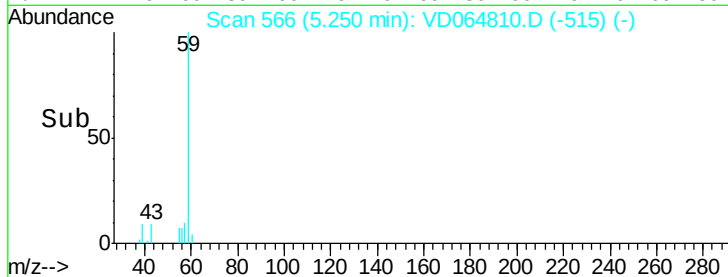
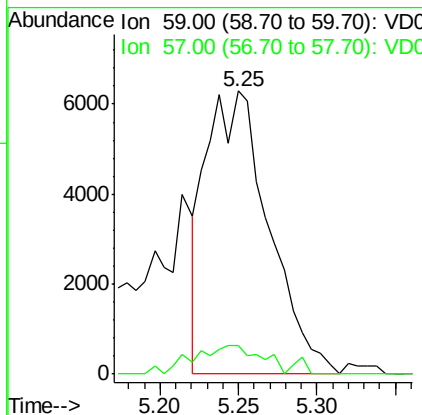
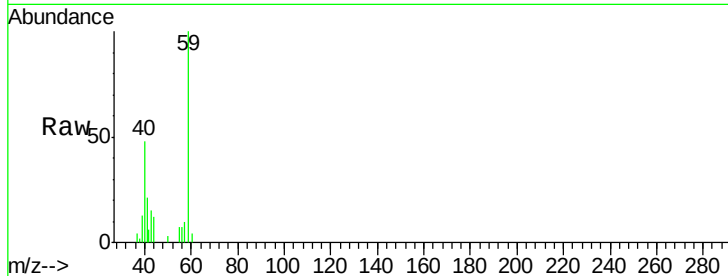
Tert butyl alcohol
 Concen: 88.214 ug/l m
 RT: 5.25 min Scan# 566
 Delta R.T. 0.00 min
 Lab File: VD064810.D
 Acq: 09 Jan 2020 12:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0109SBS01

Tot Ion	59	Resp	17607
Ion Ratio	100	Lower	Upper
57	10.9	9.3	13.9

Manual Integrations
 APPROVED

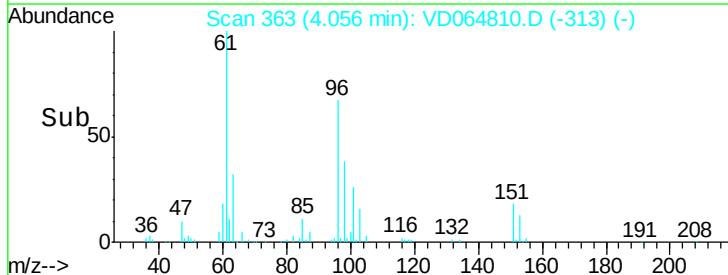
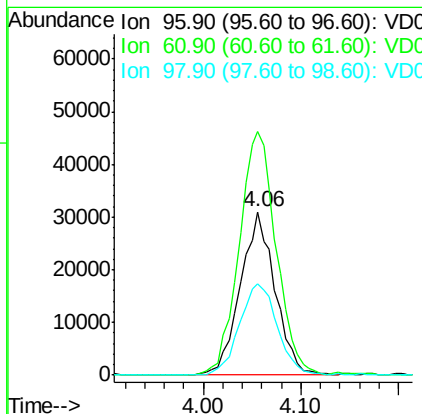
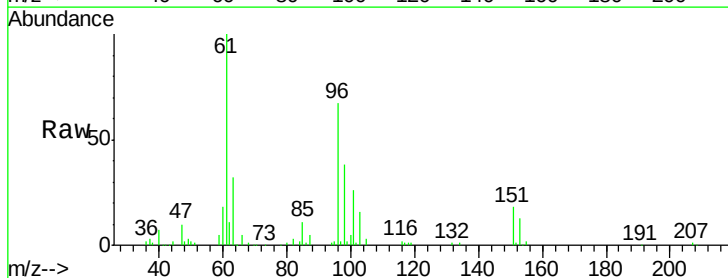
MMDadoda
 1/10/2020 10:41:58 AM

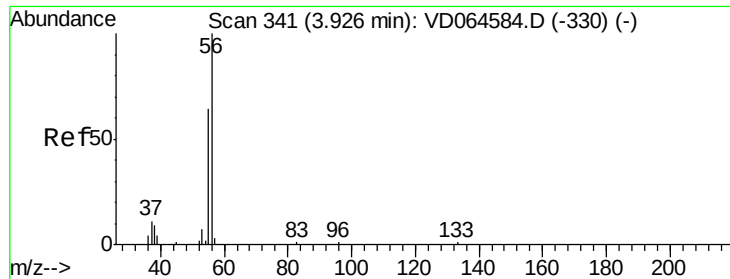


#12

1,1-Dichloroethene
 Concen: 22.236 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. -0.01 min
 Lab File: VD064810.D
 Acq: 09 Jan 2020 12:00

Tgt Ion	96	Resp	77265
Ion Ratio	100	Lower	Upper
61	149.0	129.4	194.0
98	56.0	51.4	77.0





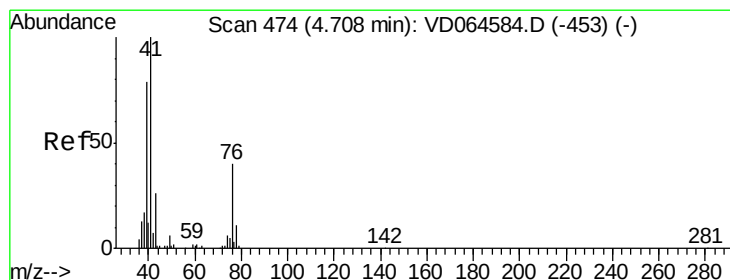
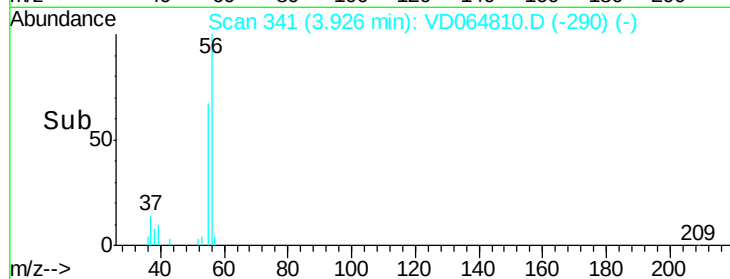
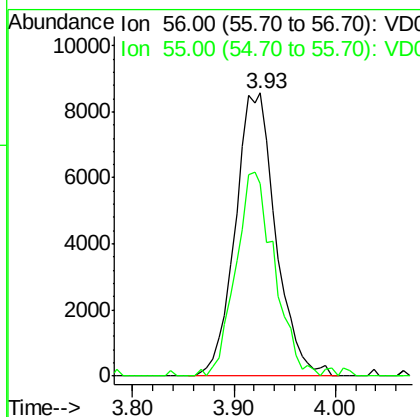
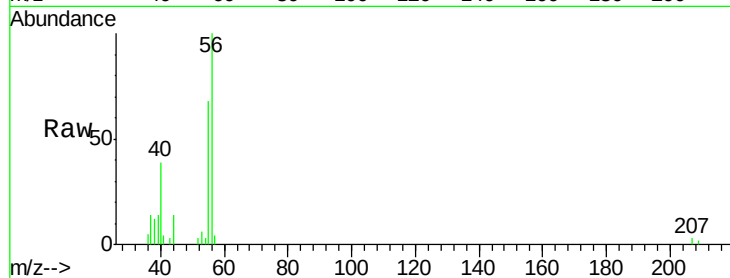
#13
Acrolein
Concen: 85.341 ug/l
RT: 3.93 min Scan# 341
Delta R.T. 0.00 min
Lab File: VD064810.D
Acq: 09 Jan 2020 12:00

Instrument :
MSVOA_D
ClientSampleId :
VD0109SBS01

Tot Ion	56	Resp	23739
Ion Ratio	100	Lower	Upper
56	100		
55	68.8	56.7	85.1

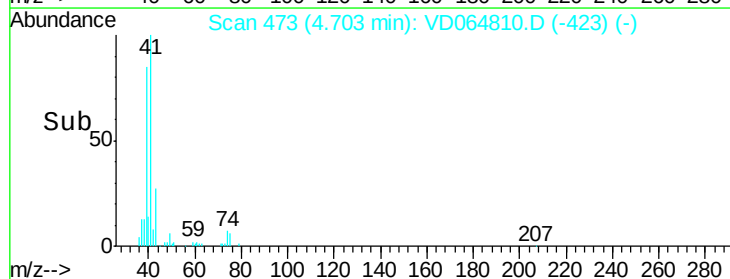
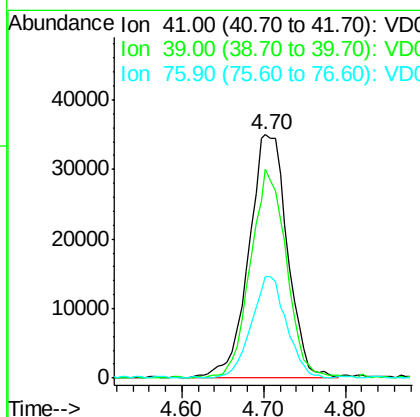
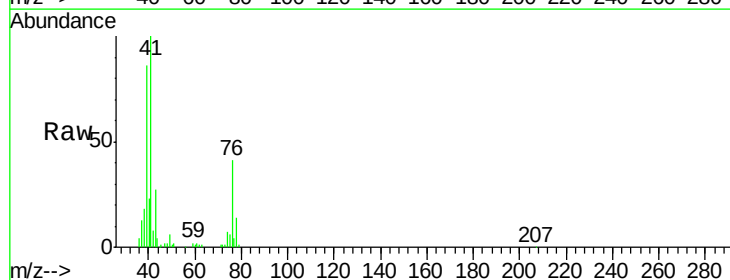
Manual Integrations
APPROVED

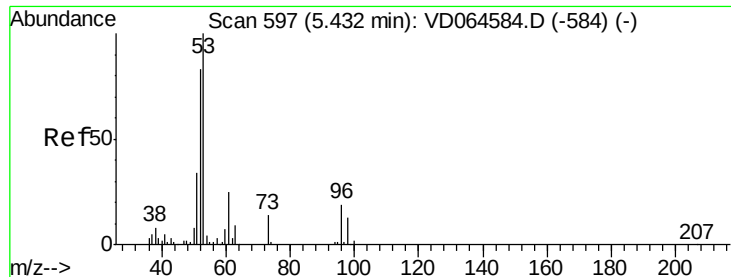
MMDadoda
1/10/2020 10:41:58 AM



#14
Allyl chloride
Concen: 21.309 ug/l
RT: 4.70 min Scan# 473
Delta R.T. -0.01 min
Lab File: VD064810.D
Acq: 09 Jan 2020 12:00

Tgt Ion	41	Resp	115446
Ion Ratio	100	Lower	Upper
41	100		
39	79.6	62.3	93.5
76	37.8	29.7	44.5





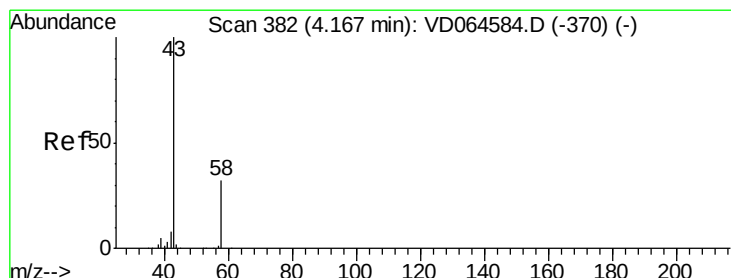
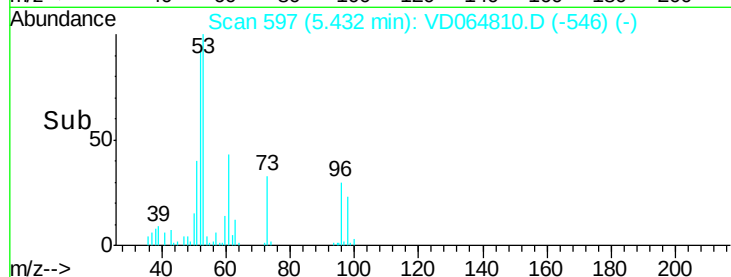
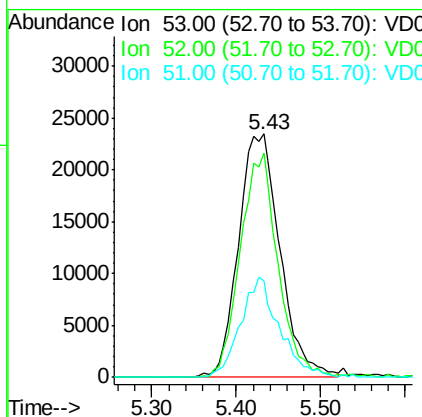
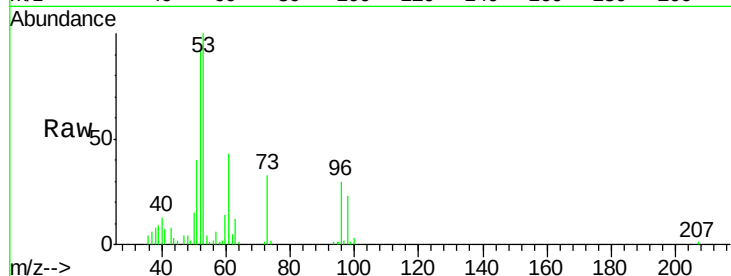
#15
 Acrylonitrile
 Concen: 109.725 ug/l
 RT: 5.43 min Scan# 597
 Delta R.T. 0.00 min
 Lab File: VD064810.D
 Acq: 09 Jan 2020 12:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0109SBS01

Tot Ion:	53	Resp:	79985
Ion Ratio	Lower	Upper	
53	100		
52	83.8	66.2	99.2
51	38.4	30.1	45.1

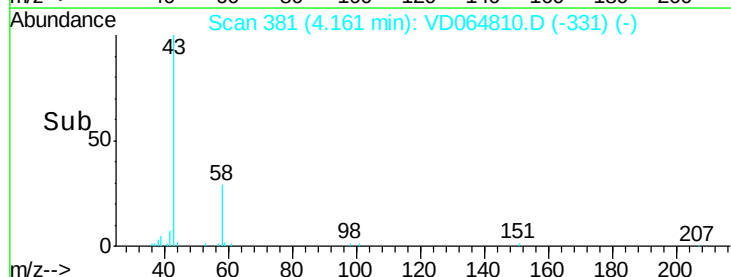
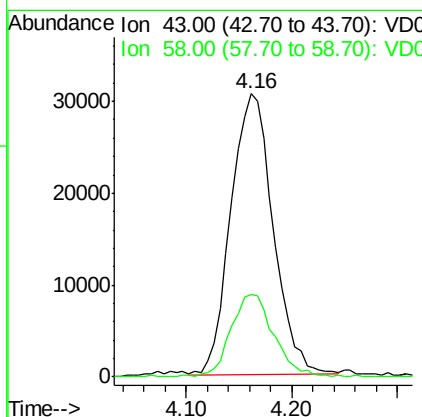
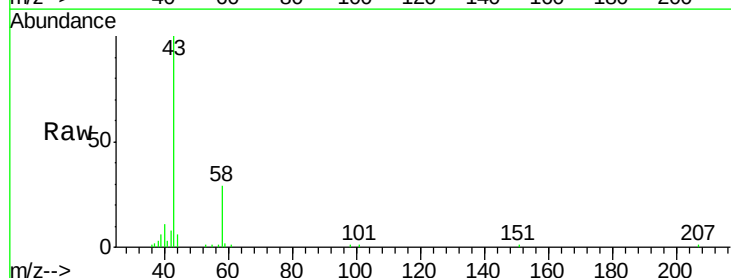
Manual Integrations
 APPROVED

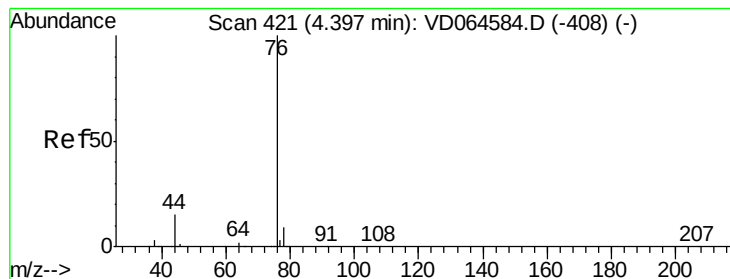
MMDadoda
 1/10/2020 10:41:58 AM



#16
 Acetone
 Concen: 111.452 ug/l
 RT: 4.16 min Scan# 381
 Delta R.T. -0.01 min
 Lab File: VD064810.D
 Acq: 09 Jan 2020 12:00

Tgt Ion:	43	Resp:	85439
Ion Ratio	Lower	Upper	
43	100		
58	28.9	25.8	38.6





#17

Carbon Disulfide

Concen: 20.672 ug/l

RT: 4.40 min Scan# 421

Delta R.T. 0.00 min

Lab File: VD064810.D

Acq: 09 Jan 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

VD0109SBS01

Tot Ion: 76 Resp: 232260

Ion Ratio Lower Upper

76 100

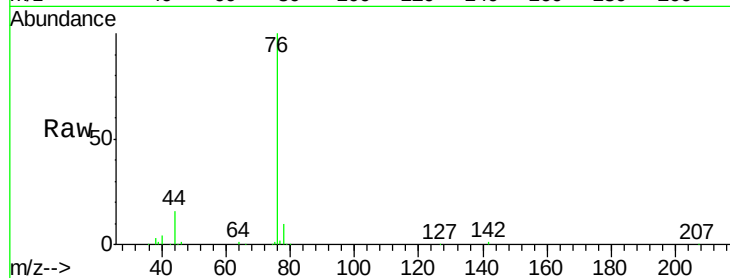
78 10.0 7.3 10.9

Manual Integrations

APPROVED

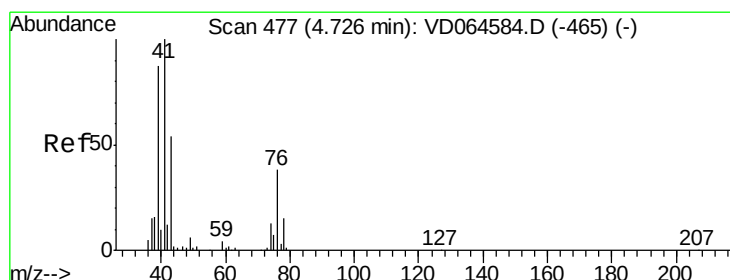
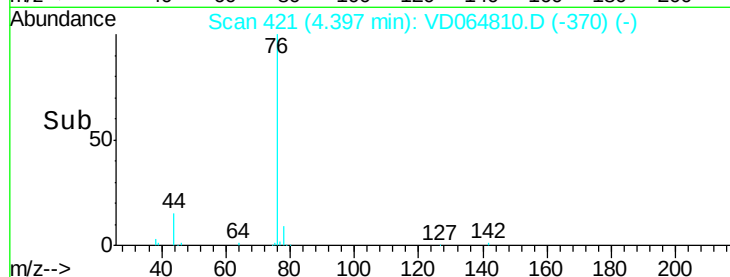
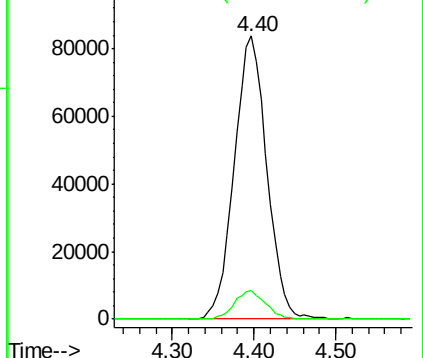
MMDadoda

1/10/2020 10:41:58 AM



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 22.303 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.01 min

Lab File: VD064810.D

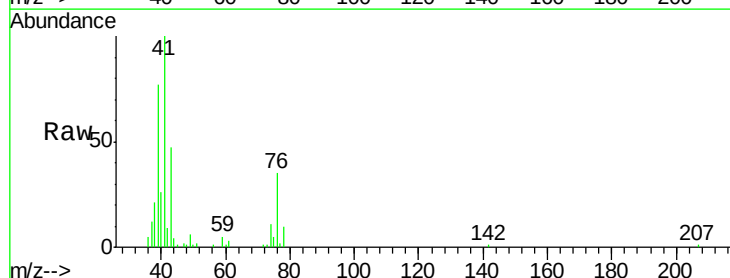
Acq: 09 Jan 2020 12:00

Tgt Ion: 43 Resp: 43731

Ion Ratio Lower Upper

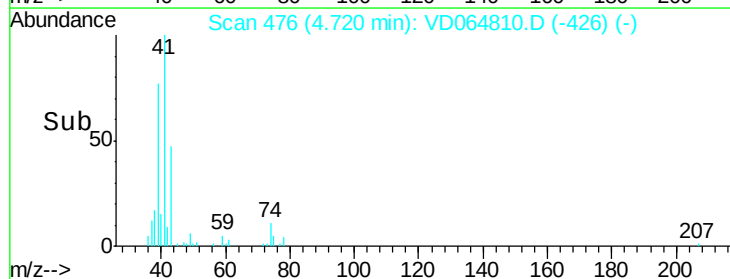
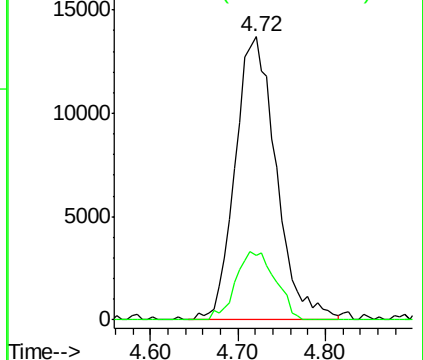
43 100

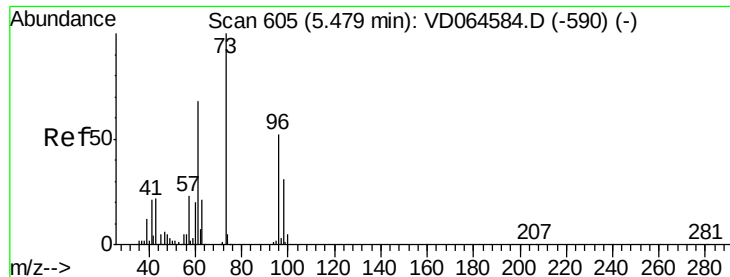
74 23.4 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





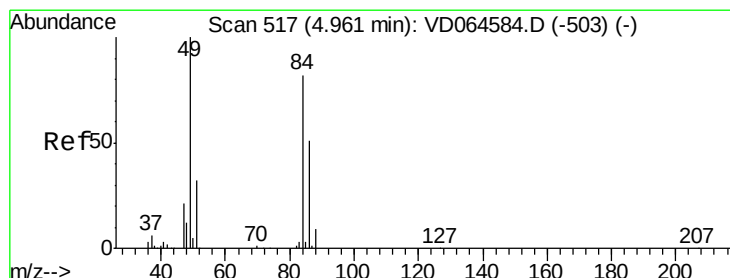
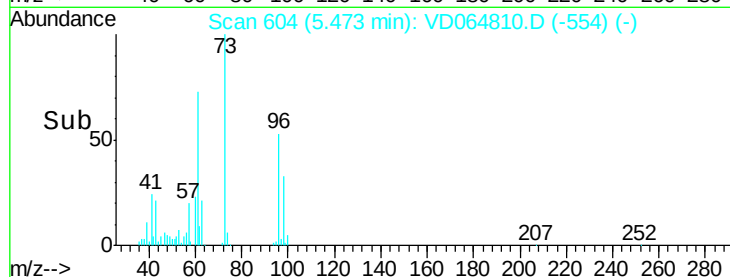
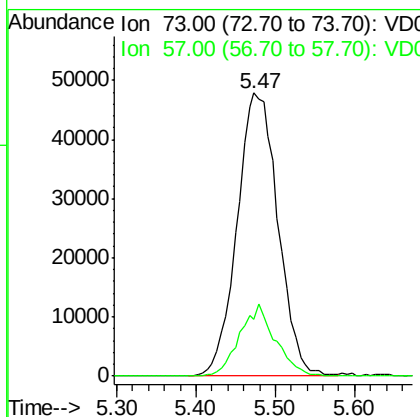
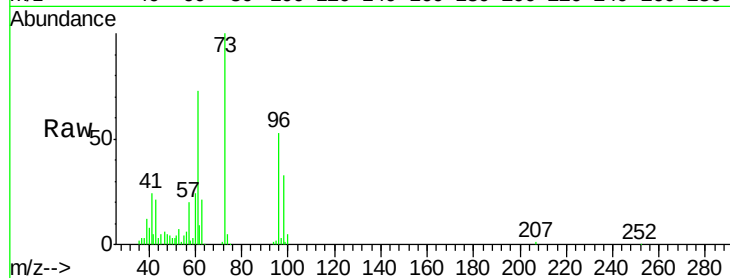
#19
Methyl tert-butyl Ether
Concen: 22.248 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.01 min
Lab File: VD064810.D
Acq: 09 Jan 2020 12:00

Instrument :
MSVOA_D
ClientSampleId :
VD0109SBS01

Tot Ion: 73 Resp: 171707
Ion Ratio Lower Upper
73 100
57 20.2 18.6 27.8

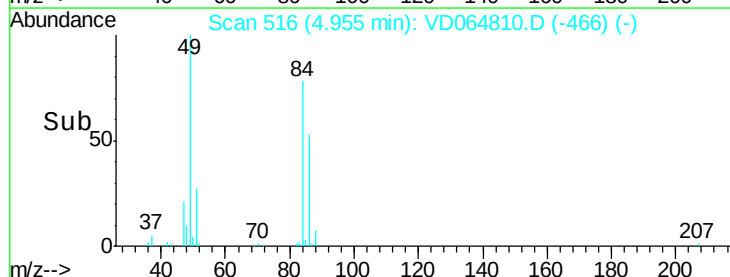
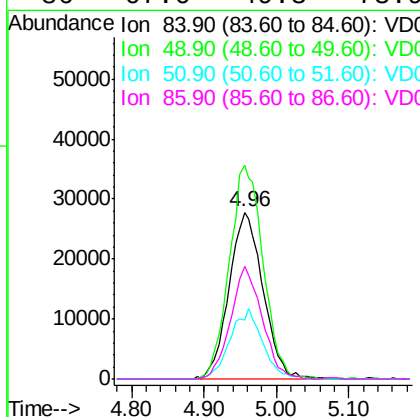
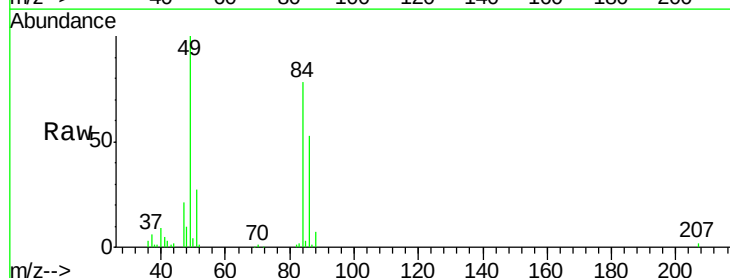
Manual Integrations
APPROVED

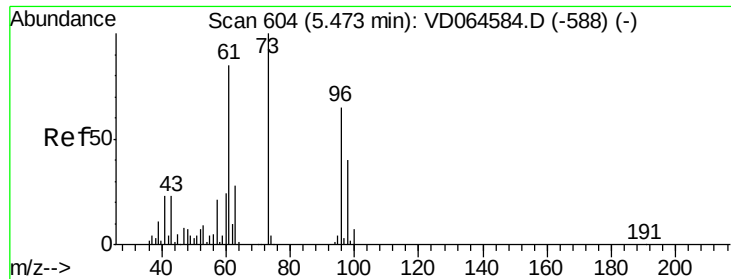
MMDadoda
1/10/2020 10:41:58 AM



#20
Methylene Chloride
Concen: 22.701 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD064810.D
Acq: 09 Jan 2020 12:00

Tgt Ion: 84 Resp: 90363
Ion Ratio Lower Upper
84 100
49 127.9 97.2 145.8
51 35.1 31.4 47.0
86 67.6 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 21.608 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD064810.D

Acq: 09 Jan 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

VD0109SBS01

Tot Ion: 96 Resp: 85508

Ion Ratio Lower Upper

96 100

61 135.6 104.7 157.1

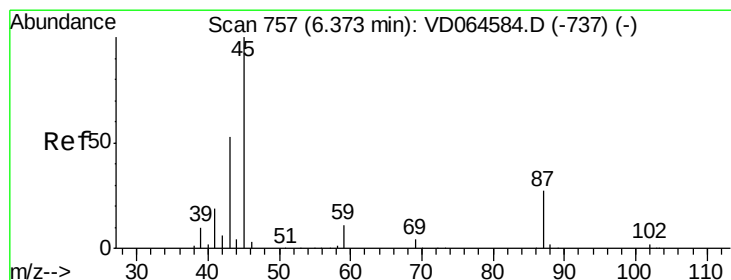
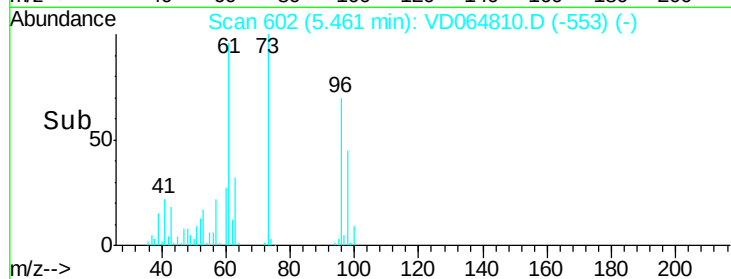
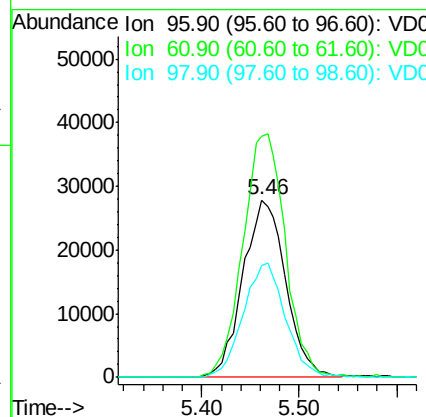
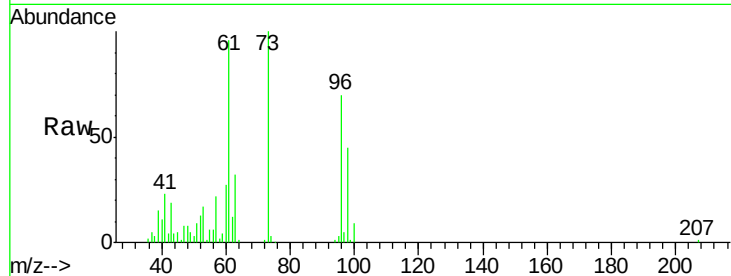
98 63.2 49.4 74.2

Manual Integrations

APPROVED

MMDadoda

1/10/2020 10:41:58 AM



#22

Diisopropyl ether

Concen: 22.370 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064810.D

Acq: 09 Jan 2020 12:00

Tgt Ion: 45 Resp: 241727

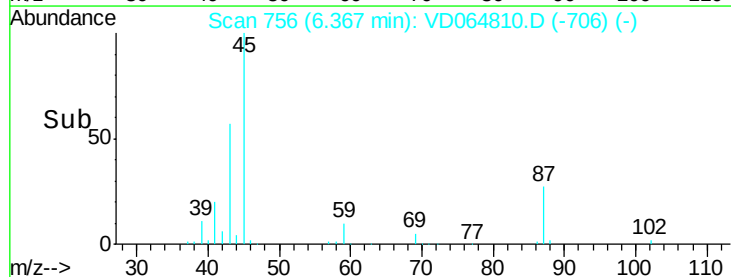
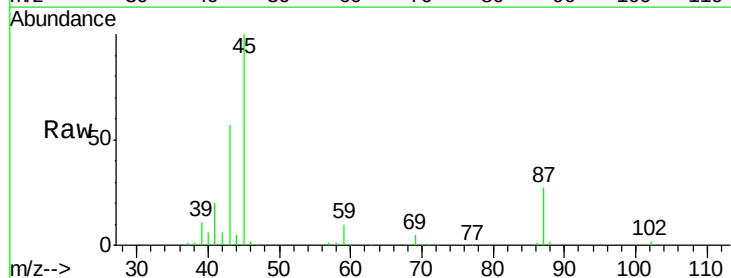
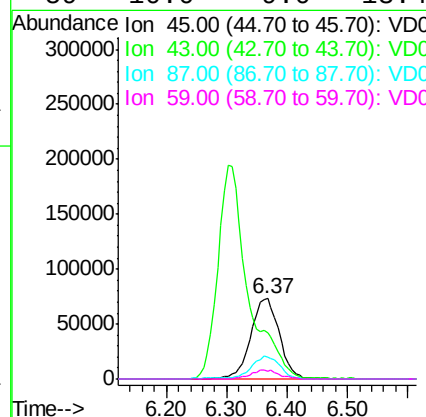
Ion Ratio Lower Upper

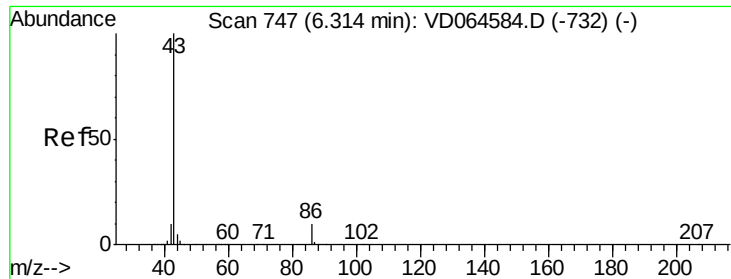
45 100

43 56.1 43.2 64.8

87 26.9 21.9 32.9

59 10.0 9.0 13.4





#23

Vinyl Acetate

Concen: 109.989 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD064810.D

Acq: 09 Jan 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

VD0109SBS01

Tot Ion: 43 Resp: 674210

Ion Ratio Lower Upper

43 100

86 10.1

8.3

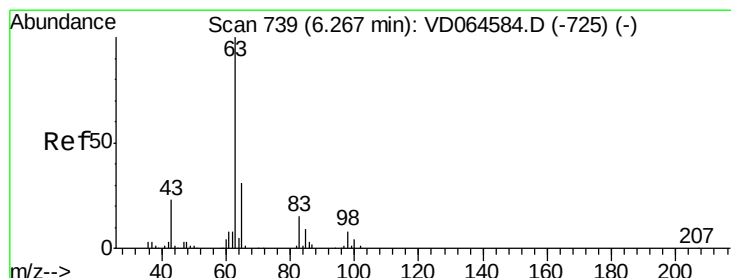
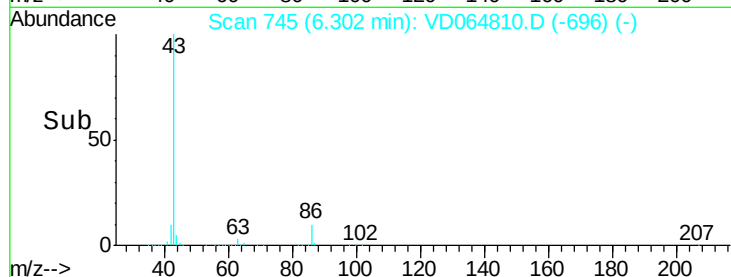
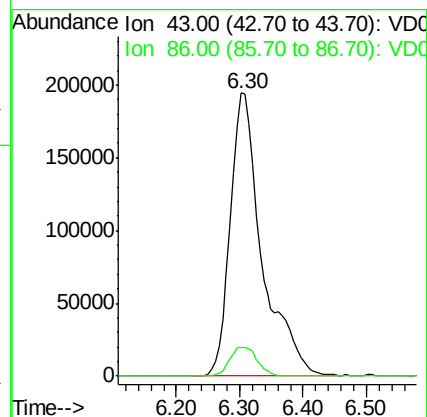
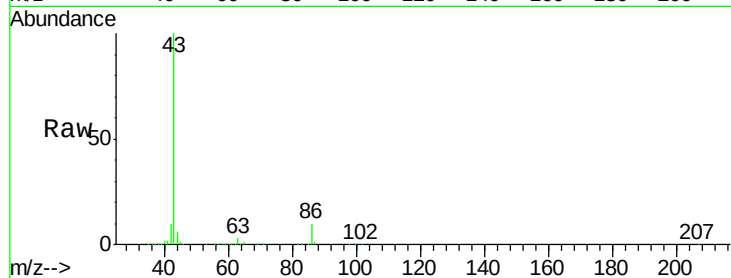
12.5

Manual Integrations

APPROVED

MMDadoda

1/10/2020 10:41:58 AM



#24

1,1-Dichloroethane

Concen: 22.375 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064810.D

Acq: 09 Jan 2020 12:00

Tgt Ion: 63 Resp: 145151

Ion Ratio Lower Upper

63 100

98 6.6

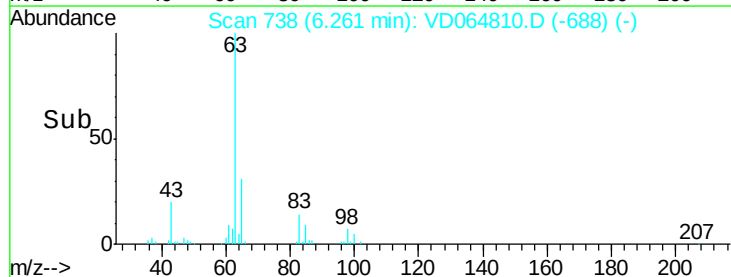
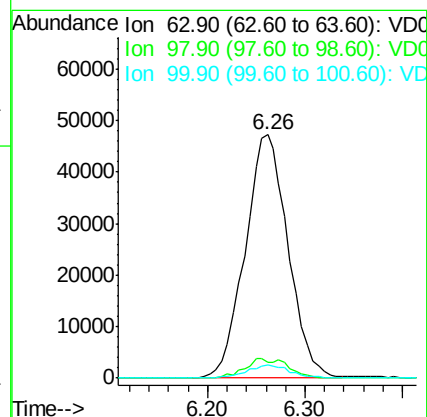
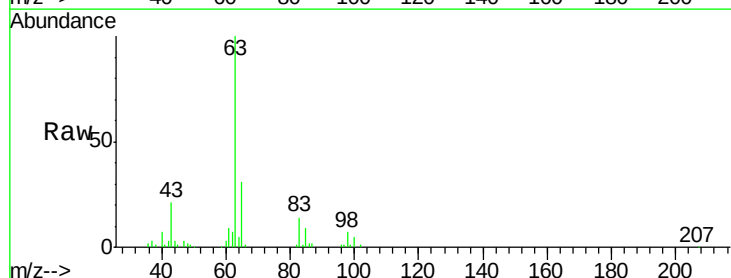
4.1

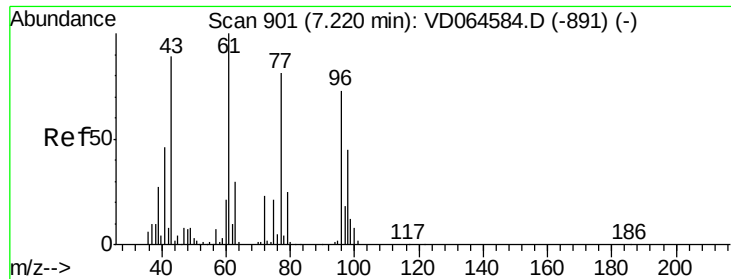
12.3

100 5.4

2.2

6.6





#25

2-Butanone

Concen: 114.131 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.01 min

Lab File: VD064810.D

Acq: 09 Jan 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

VD0109SBS01

Tot Ion: 43 Resp: 109259

Ion Ratio Lower Upper

43 100

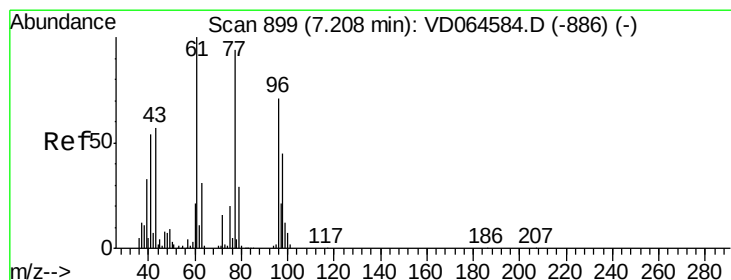
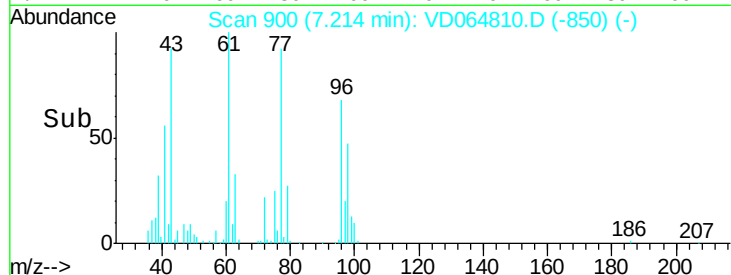
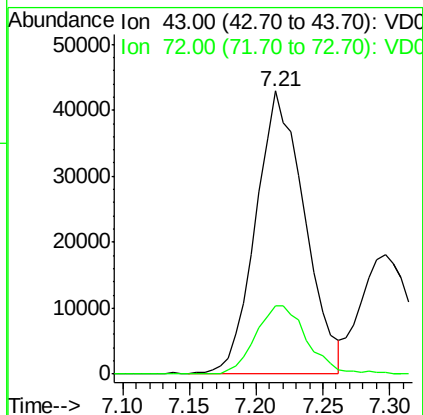
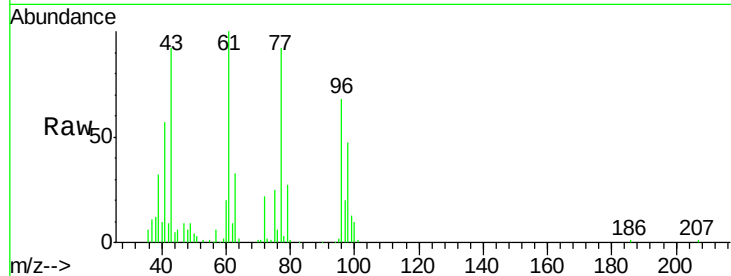
72 24.0 20.7 31.1

Manual Integrations

APPROVED

MMDadoda

1/10/2020 10:41:58 AM



#26

2,2-Dichloropropane

Concen: 22.791 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064810.D

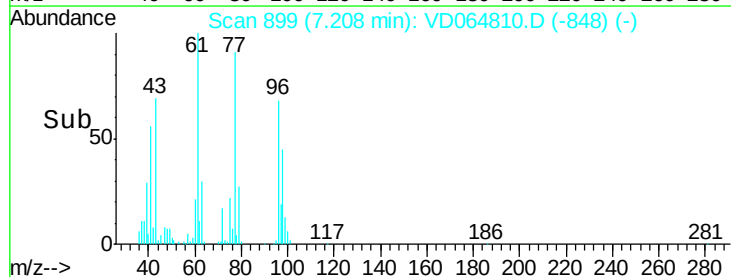
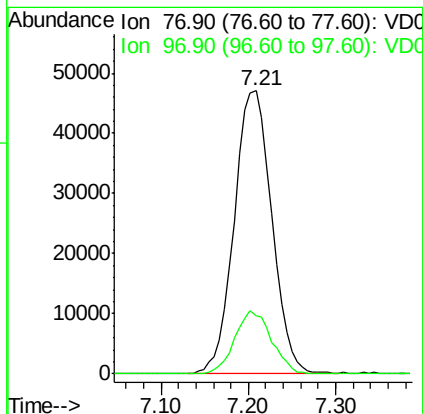
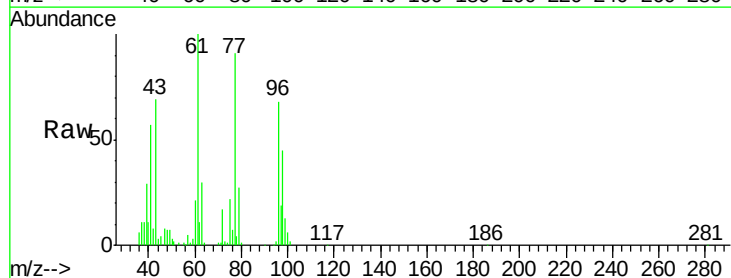
Acq: 09 Jan 2020 12:00

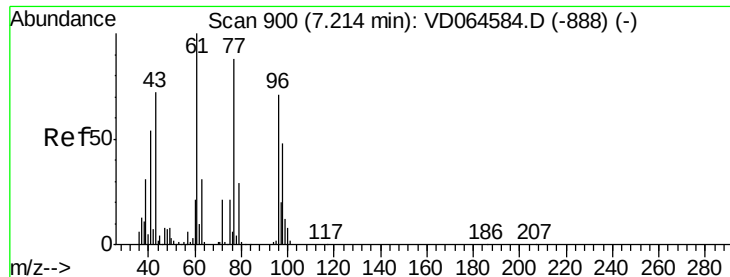
Tgt Ion: 77 Resp: 137463

Ion Ratio Lower Upper

77 100

97 21.8 11.2 33.6





#27

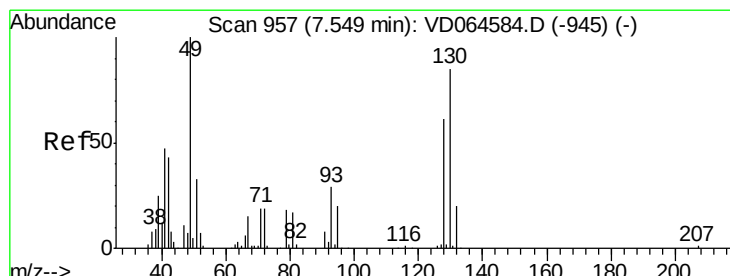
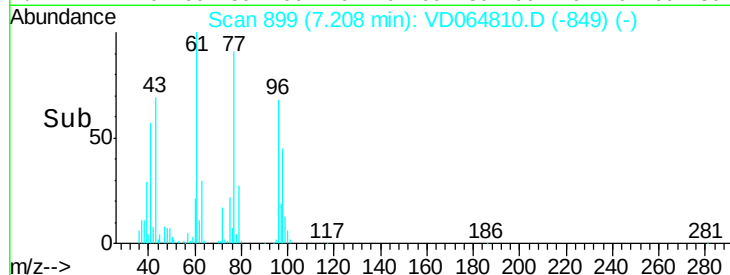
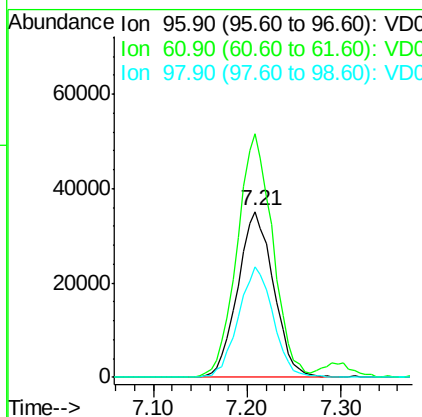
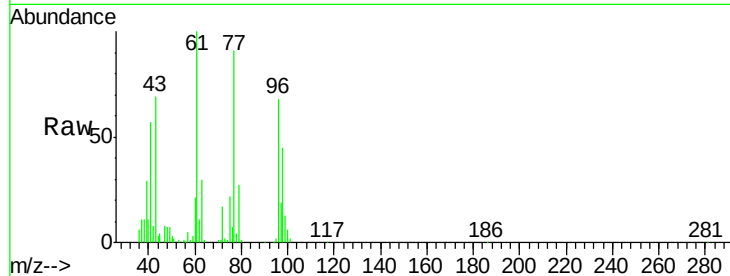
cis-1,2-Dichloroethene
Concen: 21.805 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD064810.D
Acq: 09 Jan 2020 12:00

Instrument :
MSVOA_D
ClientSampleId :
VD0109SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.5	0.0	282.6
98	64.6	0.0	130.8

Manual Integrations
APPROVED

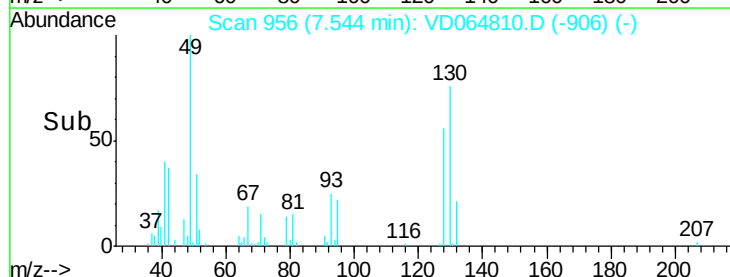
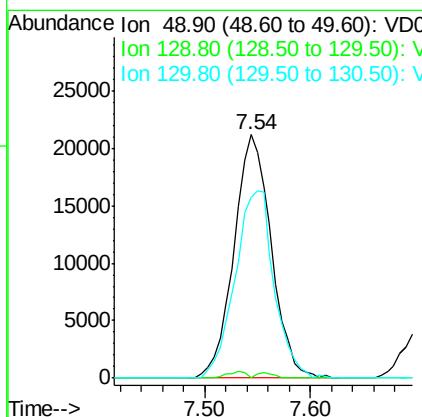
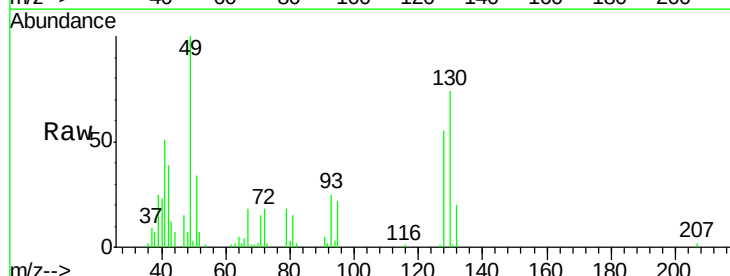
MMDadoda
1/10/2020 10:41:58 AM

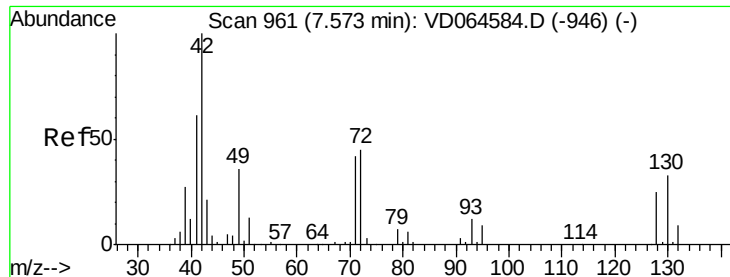


#28

Bromochloromethane
Concen: 20.560 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.01 min
Lab File: VD064810.D
Acq: 09 Jan 2020 12:00

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	4.8
130	80.6	65.0	97.6





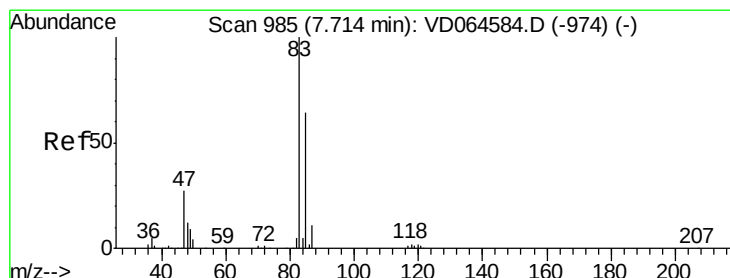
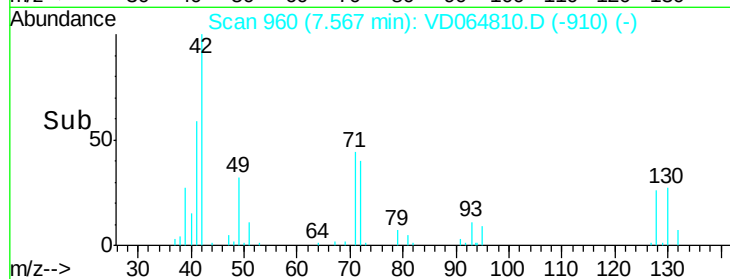
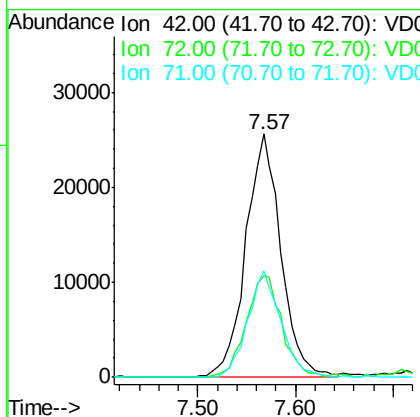
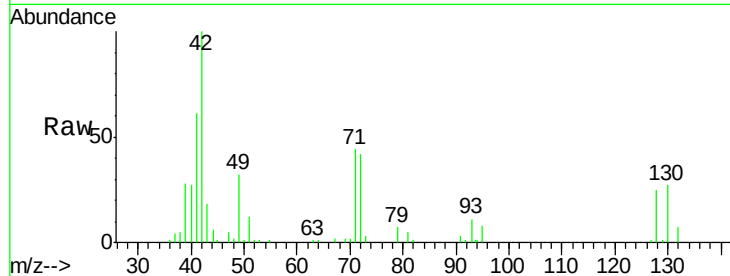
#29
Tetrahydrofuran
Concen: 108.256 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD064810.D
Acq: 09 Jan 2020 12:00

Instrument :
MSVOA_D
ClientSampleId :
VD0109SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.3	35.0	52.4
71	41.0	32.9	49.3

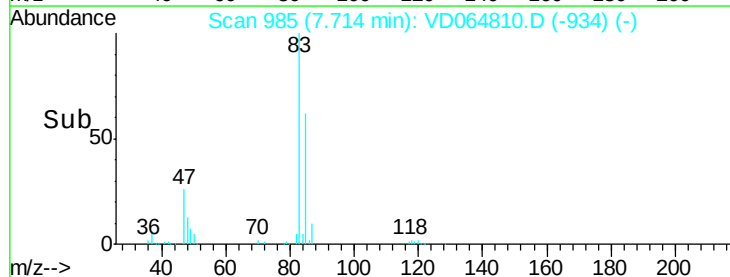
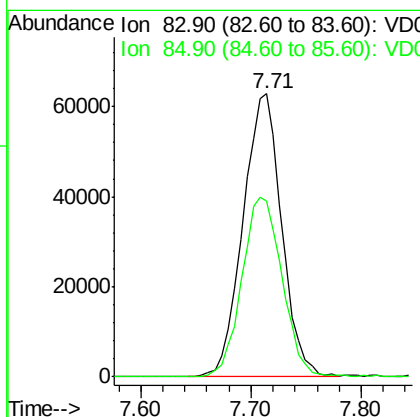
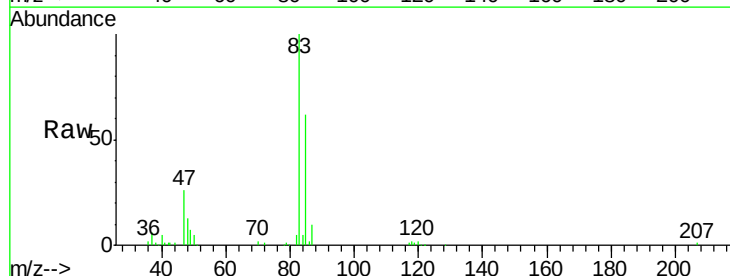
Manual Integrations
APPROVED

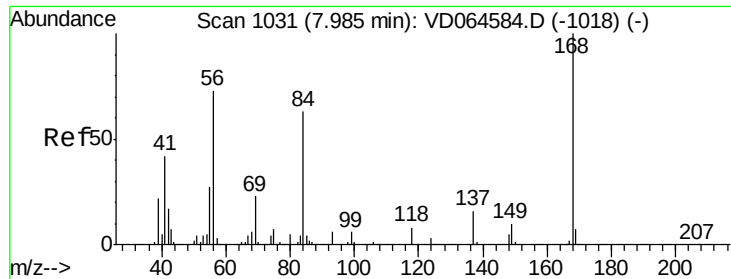
MMDadoda
1/10/2020 10:41:58 AM



#30
Chloroform
Concen: 22.682 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064810.D
Acq: 09 Jan 2020 12:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.3	51.1	76.7





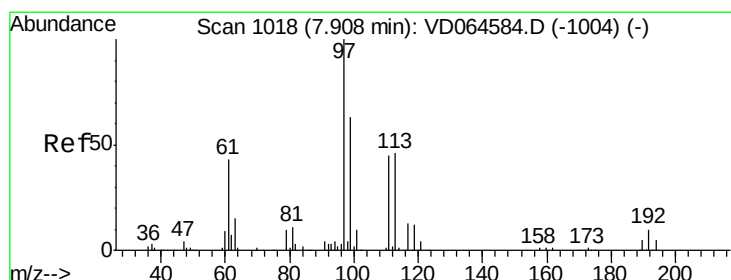
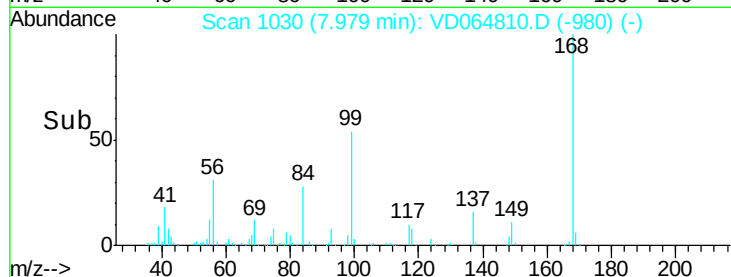
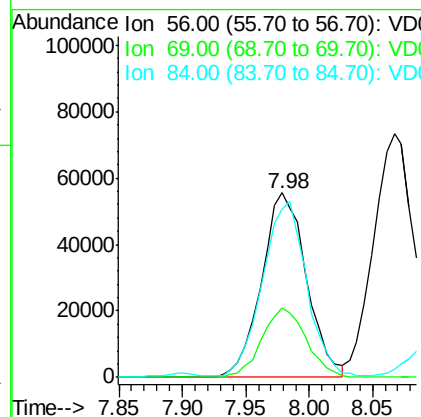
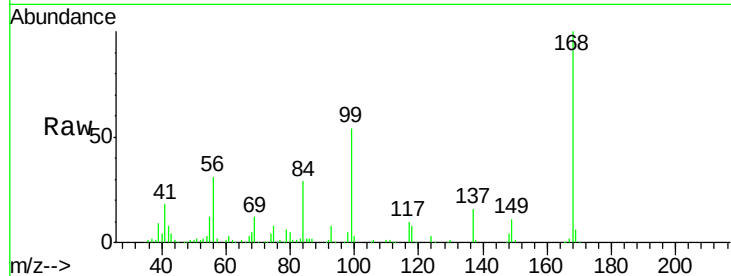
#31
Cyclohexane
Concen: 21.101 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064810.D
Acq: 09 Jan 2020 12:00

Instrument :
MSVOA_D
ClientSampleID :
VD0109SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.0	24.7	37.1#
84	89.7	69.4	104.2

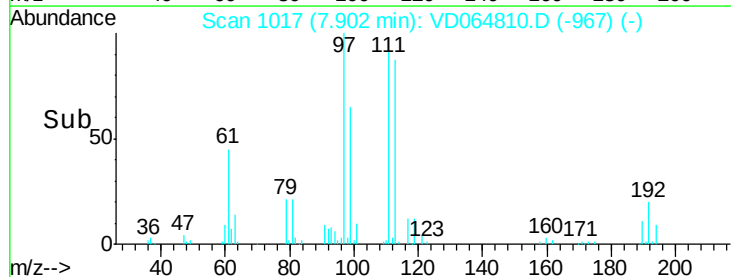
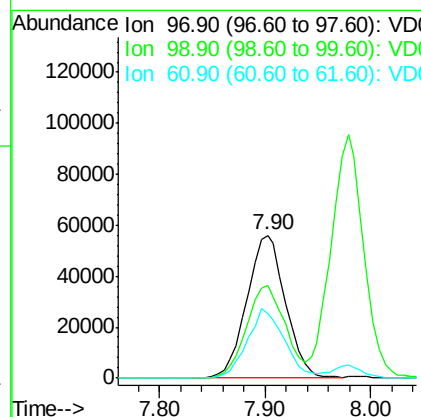
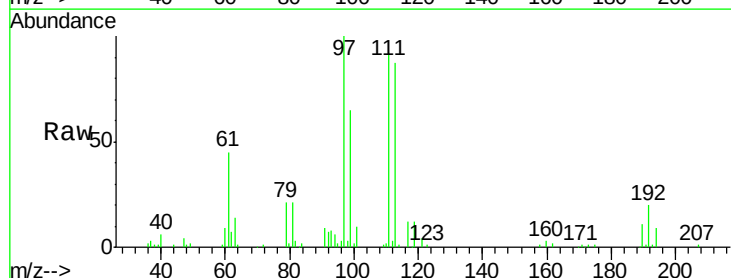
Manual Integrations
APPROVED

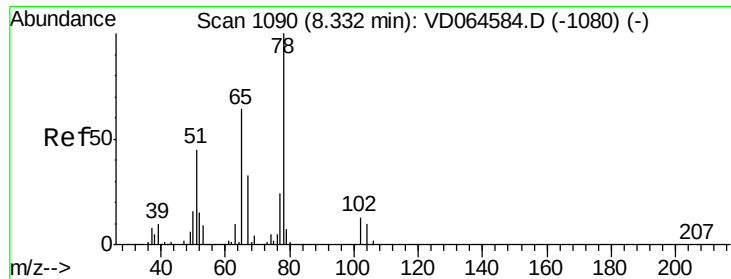
MMDadoda
1/10/2020 10:41:58 AM



#32
1,1,1-Trichloroethane
Concen: 22.258 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064810.D
Acq: 09 Jan 2020 12:00

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.6	51.0	76.6
61	46.3	35.4	53.0





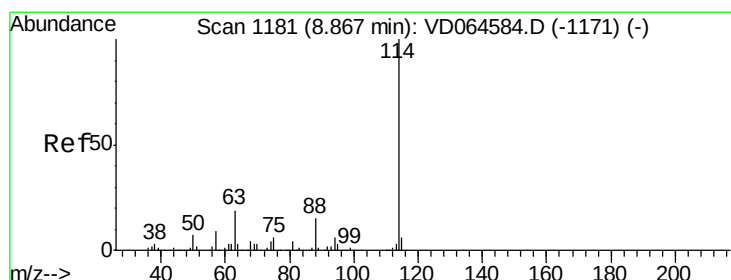
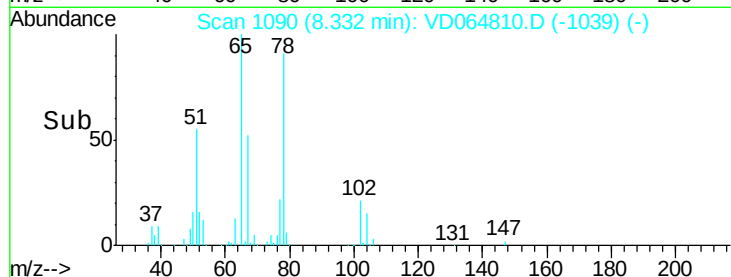
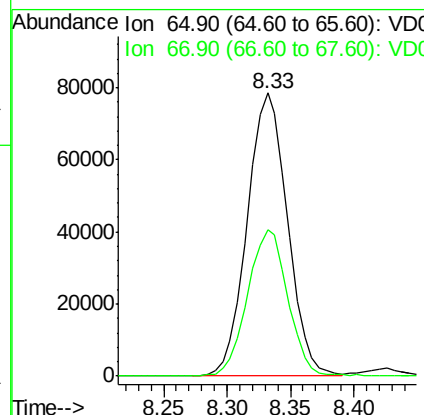
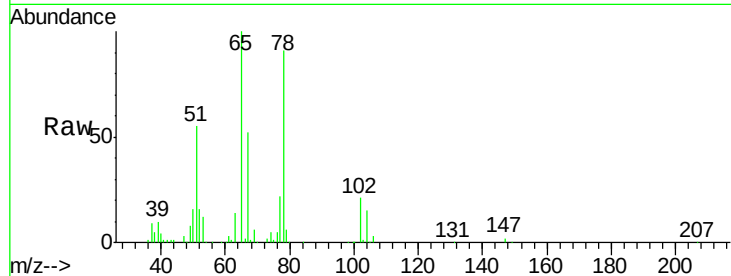
#33
 1,2-Dichloroethane-d4
 Concen: 49.938 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD064810.D
 Acq: 09 Jan 2020 12:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0109SBS01

Tot Ion	65	Resp	173920
Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	106.2

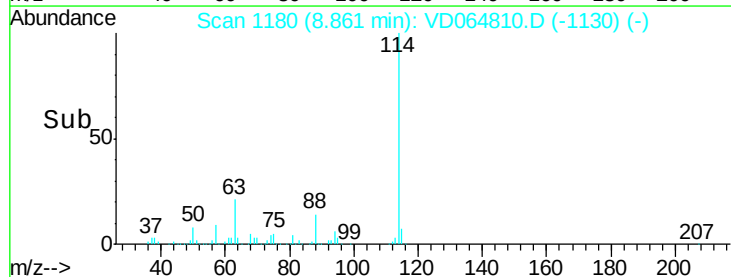
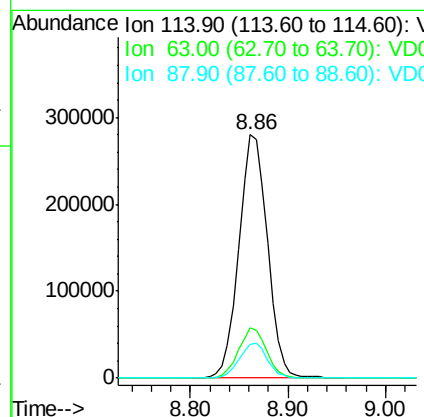
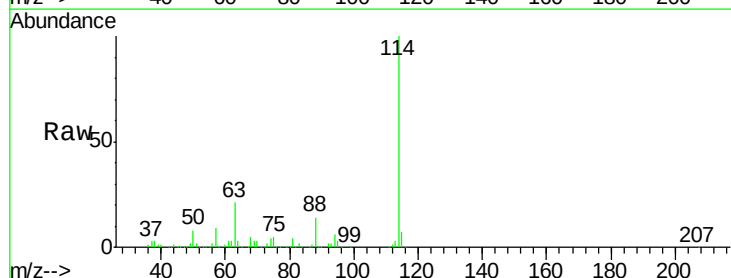
Manual Integrations
 APPROVED

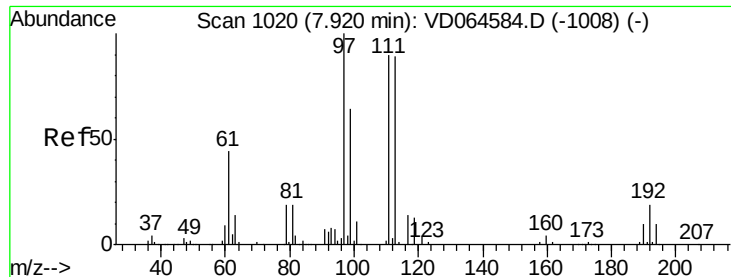
MMDadoda
 1/10/2020 10:41:58 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.01 min
 Lab File: VD064810.D
 Acq: 09 Jan 2020 12:00

Tgt Ion	114	Resp	571438
Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	38.0
88	14.0	0.0	29.2





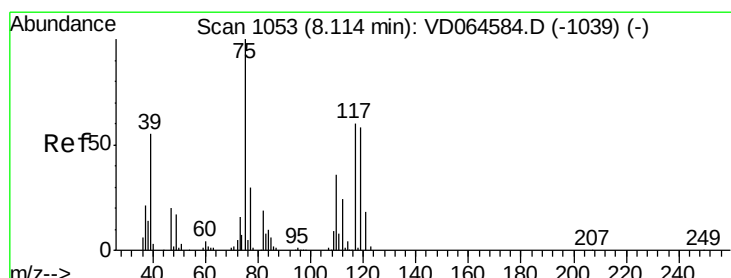
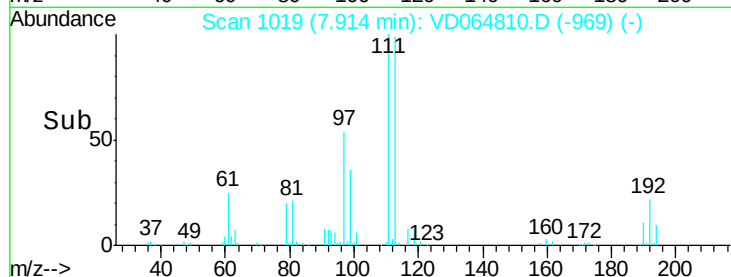
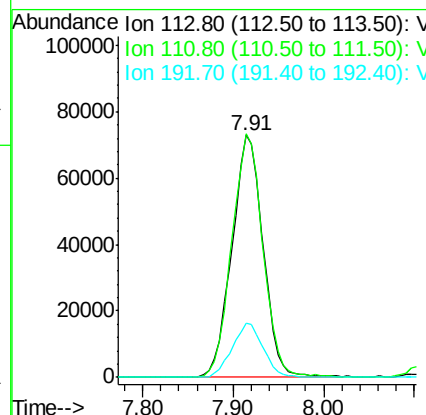
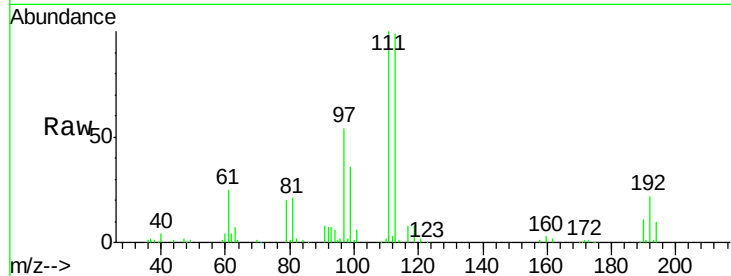
#35
 Dibromofluoromethane
 Concen: 49.663 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD064810.D
 Acq: 09 Jan 2020 12:00

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0109SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	174111		
111	100.8	80.6	121.0	
192	22.2	17.9	26.9	

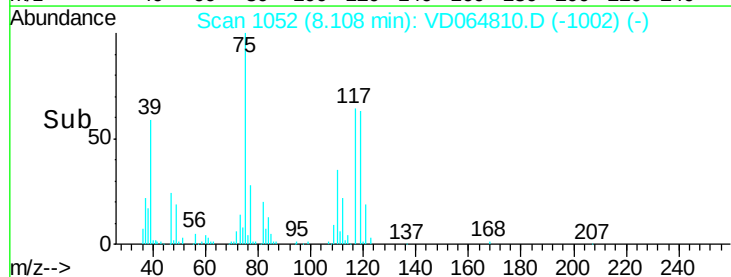
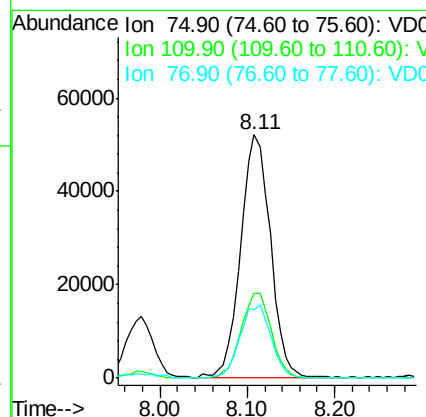
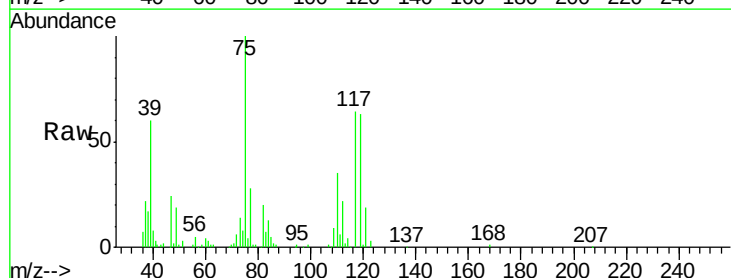
Manual Integrations
 APPROVED

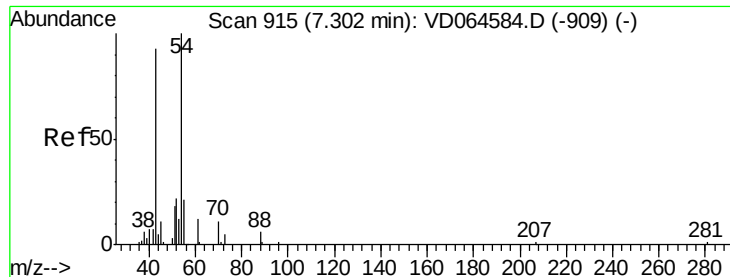
MMDadoda
 1/10/2020 10:41:58 AM



#36
 1,1-Dichloropropene
 Concen: 21.921 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD064810.D
 Acq: 09 Jan 2020 12:00

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	120566		
110	35.3	18.1	54.1	
77	31.2	24.2	36.4	





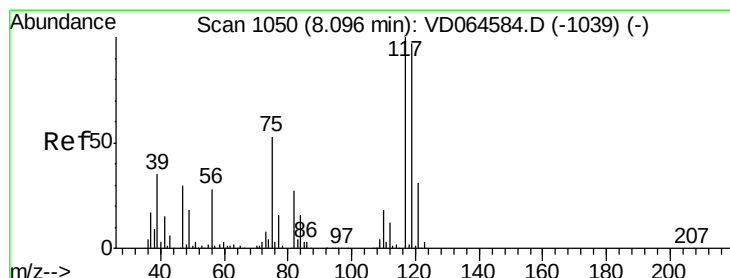
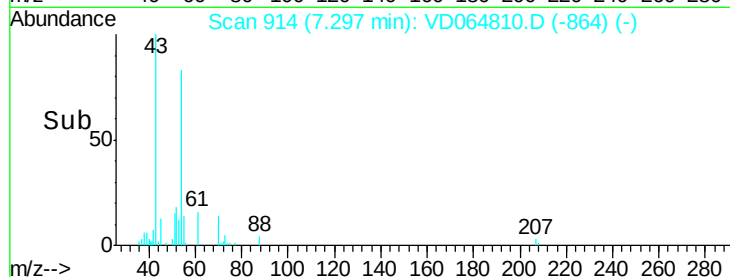
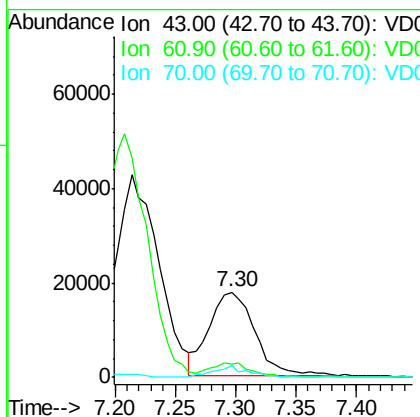
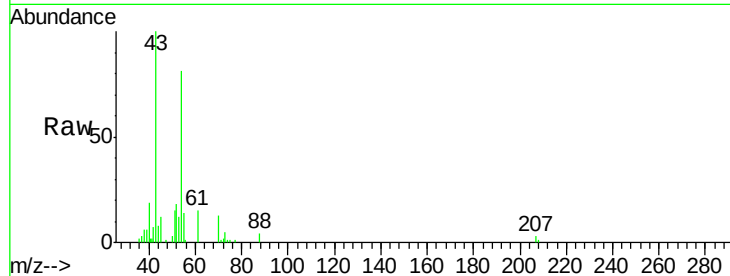
#37
Ethyl Acetate
Concen: 21.508 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD064810.D
Acq: 09 Jan 2020 12:00

Instrument :
MSVOA_D
ClientSampleId :
VD0109SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.2	10.3	15.5
70	10.8	7.6	11.4

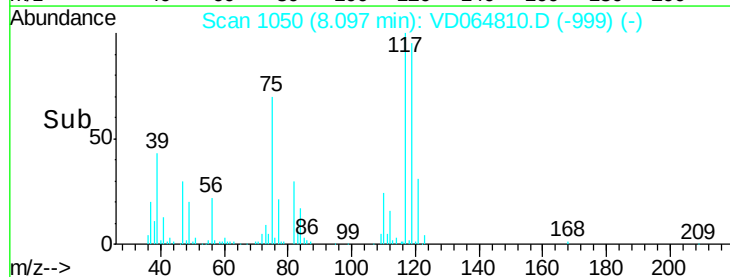
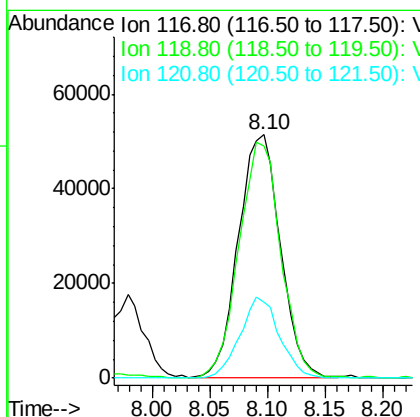
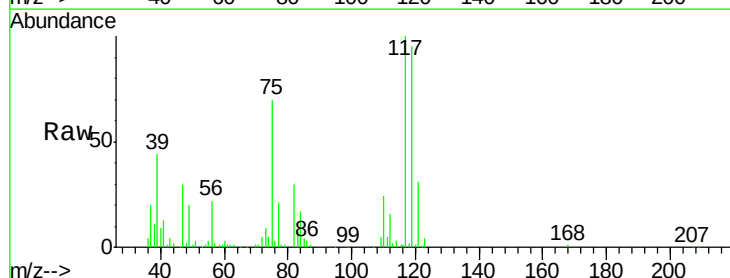
Manual Integrations
APPROVED

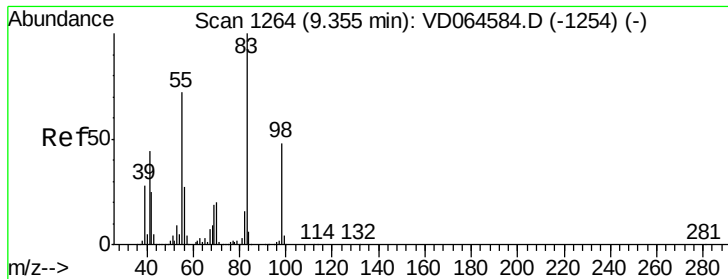
MMDadoda
1/10/2020 10:41:58 AM



#38
Carbon Tetrachloride
Concen: 22.079 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064810.D
Acq: 09 Jan 2020 12:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.9	77.3	115.9
121	31.1	25.0	37.6





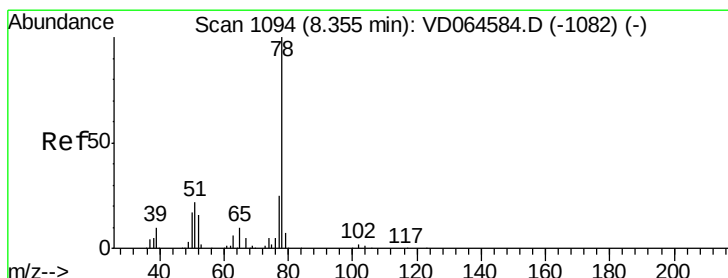
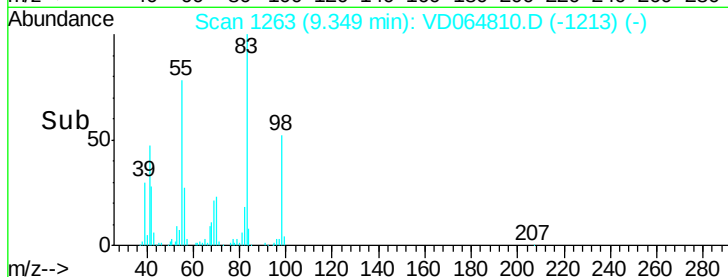
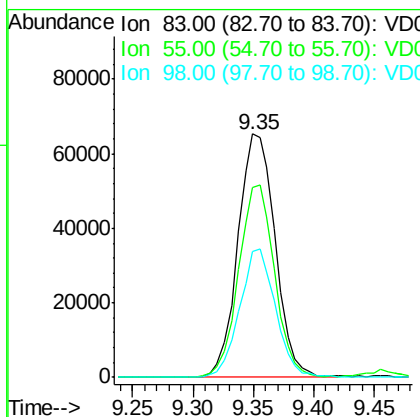
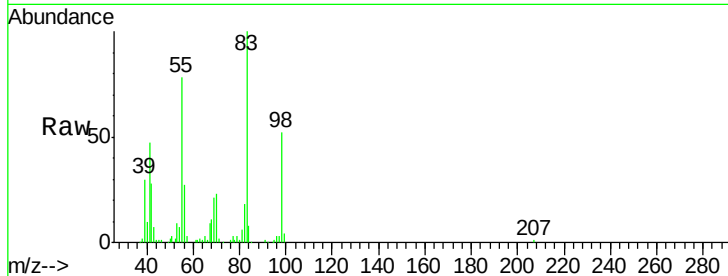
#39
Methylvlcyclohexane
Concen: 21.122 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VD064810.D
Acq: 09 Jan 2020 12:00

Instrument :
MSVOA_D
ClientSampleId :
VD0109SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.2	57.8	86.6
98	51.8	38.7	58.1

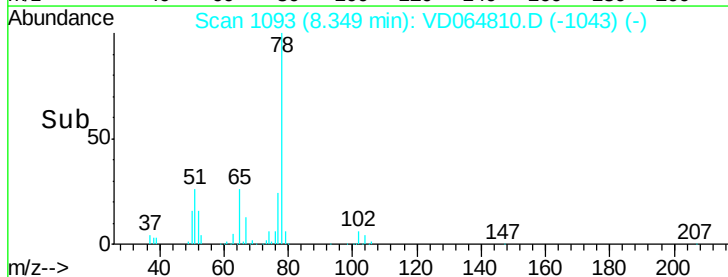
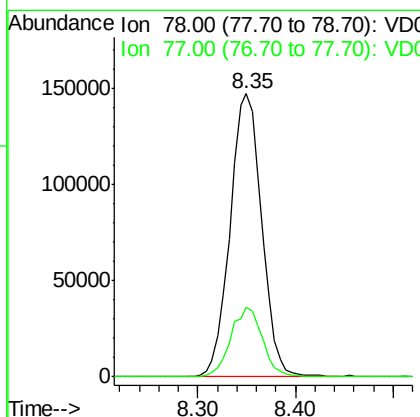
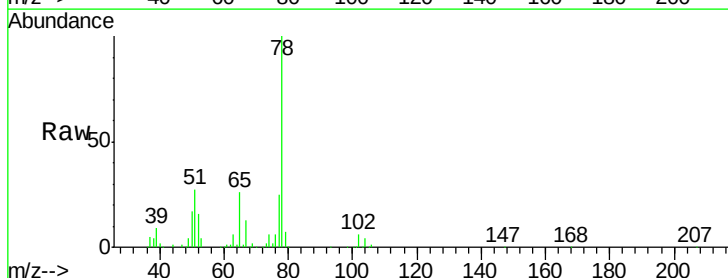
Manual Integrations
APPROVED

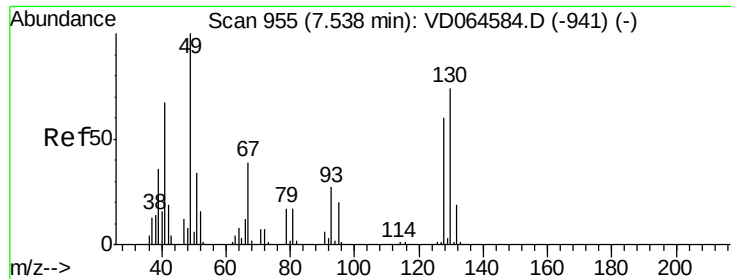
MMDadoda
1/10/2020 10:41:58 AM



#40
Benzene
Concen: 22.113 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD064810.D
Acq: 09 Jan 2020 12:00

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.9	29.9





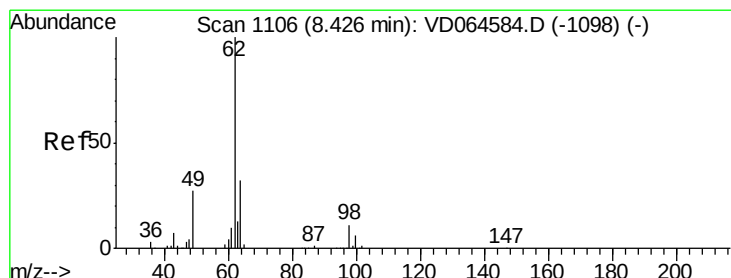
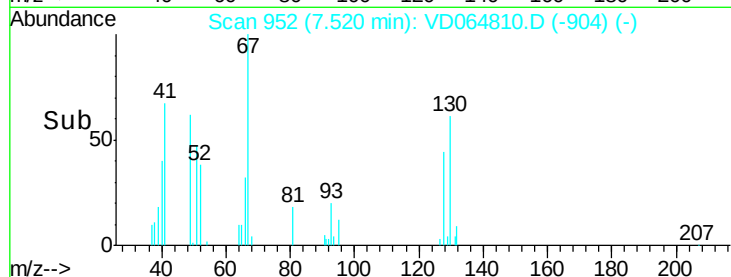
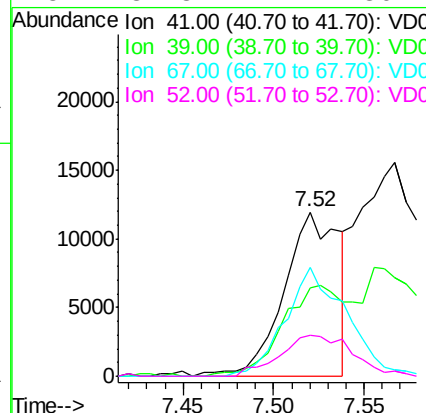
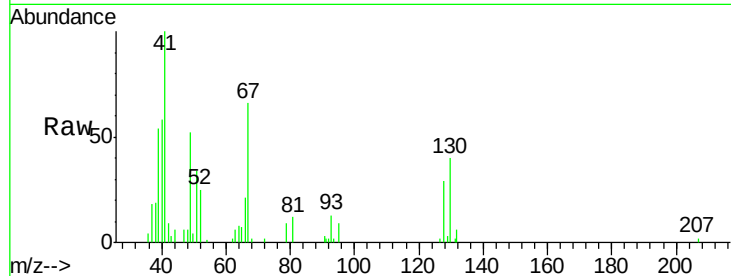
#41
Methacrylonitrile
Concen: 20.254 ug/l
RT: 7.52 min Scan# 952
Delta R.T. -0.02 min
Lab File: VD064810.D
Acq: 09 Jan 2020 12:00

Instrument :
MSVOA_D
ClientSampleId :
VD0109SBS01

Tot Ion:	41	Resp:	25391
Ion	Ratio	Lower	Upper
41	100		
39	65.5	46.7	70.1
67	74.0	52.5	78.7
52	32.8	24.1	36.1

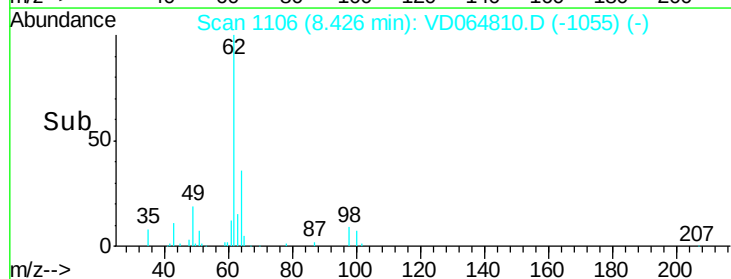
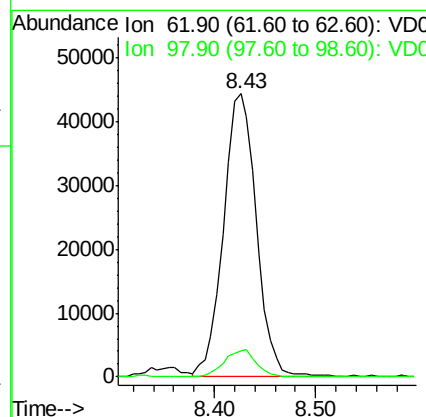
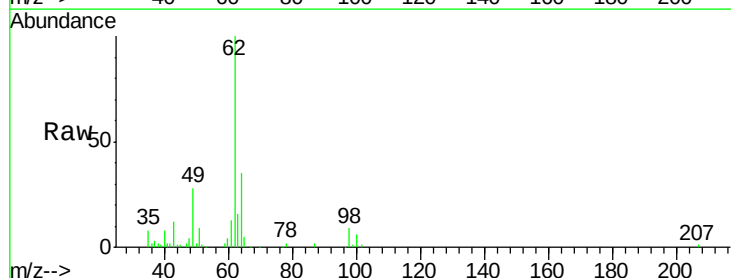
Manual Integrations
APPROVED

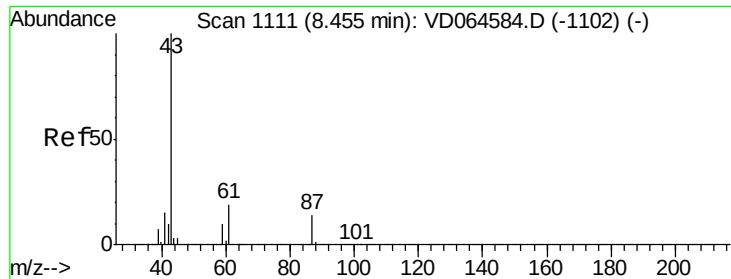
MMDadoda
1/10/2020 10:41:58 AM



#42
1,2-Dichloroethane
Concen: 23.007 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD064810.D
Acq: 09 Jan 2020 12:00

Tgt Ion:	62	Resp:	99822
Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	20.0





#43

Isopropyl Acetate

Concen: 21.767 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD064810.D

Acq: 09 Jan 2020 12:00

Instrument :

MSVOA_D

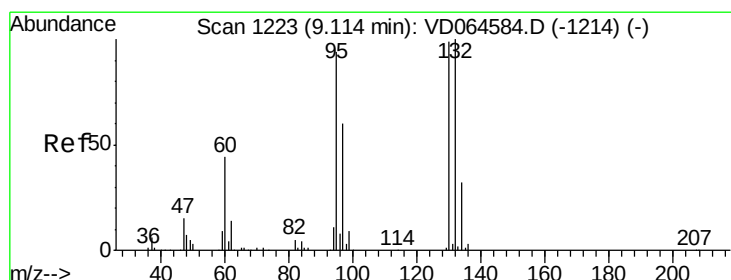
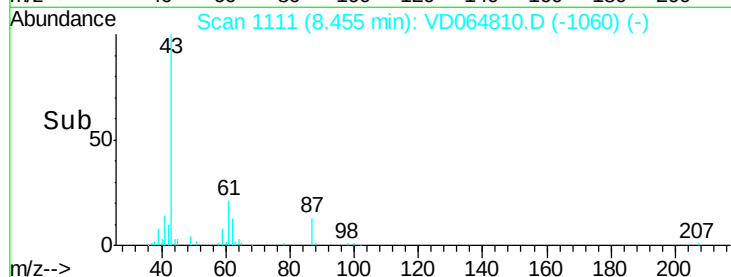
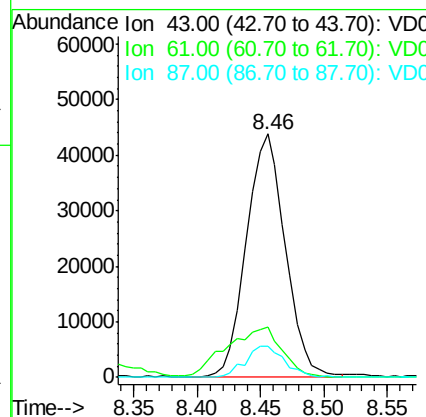
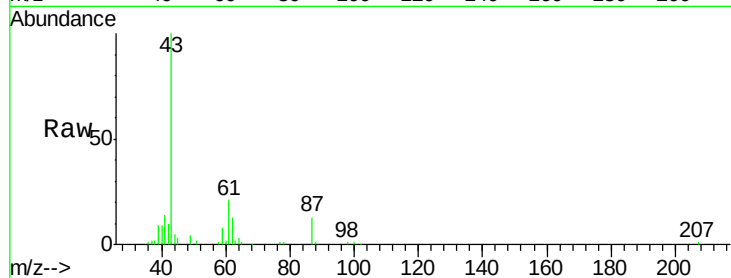
ClientSampleId :

VD0109SBS01

Tot Ion:	43	Resp:	93613
Ion	Ratio	Lower	Upper
43	100		
61	29.6	23.7	35.5
87	12.7	10.5	15.7

Manual Integrations
APPROVED

MMDadoda
1/10/2020 10:41:58 AM



#44

Trichloroethene

Concen: 21.856 ug/l

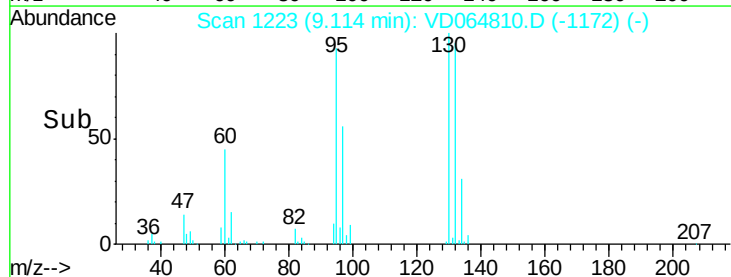
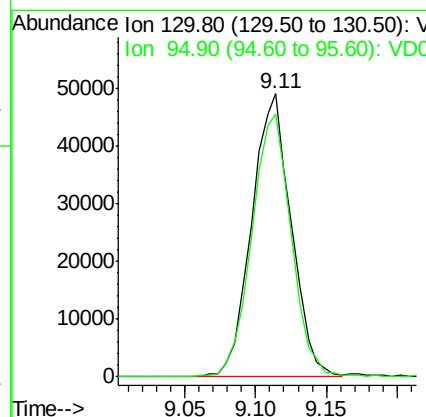
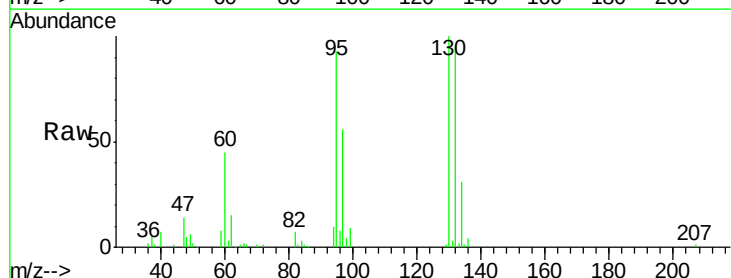
RT: 9.11 min Scan# 1223

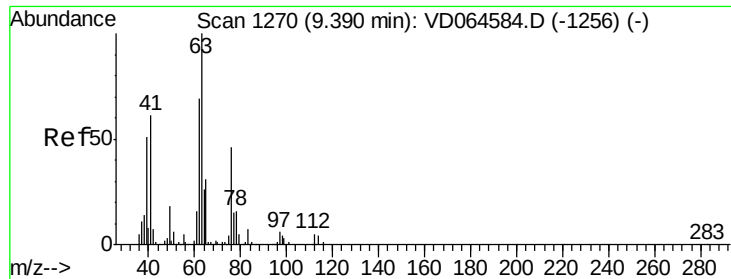
Delta R.T. 0.00 min

Lab File: VD064810.D

Acq: 09 Jan 2020 12:00

Tgt Ion:	130	Resp:	96404
Ion	Ratio	Lower	Upper
130	100		
95	92.9	0.0	190.2





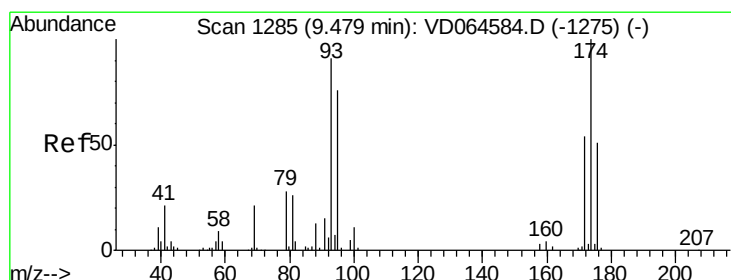
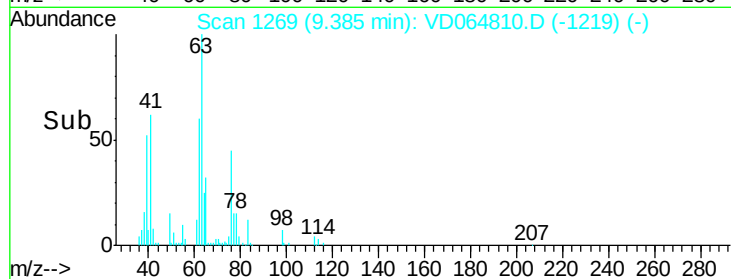
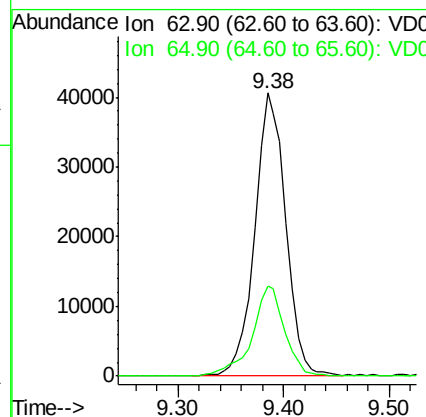
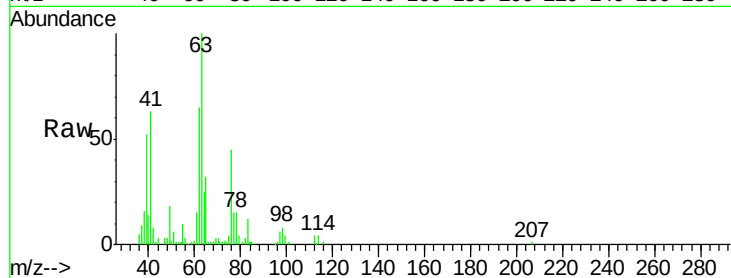
#45
 1,2-Dichloropropane
 Concen: 23.122 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VD064810.D
 Acq: 09 Jan 2020 12:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0109SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.9	25.2	37.8

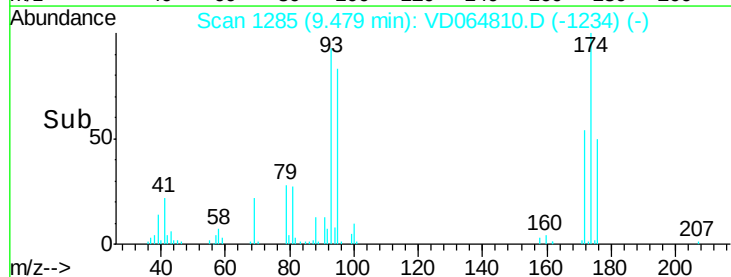
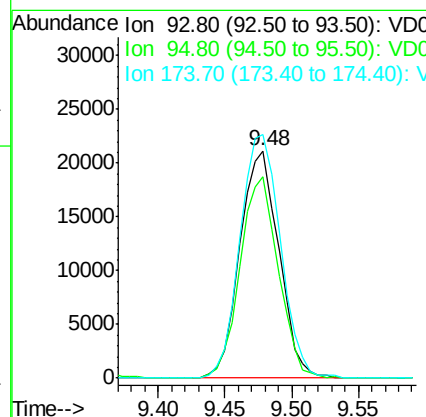
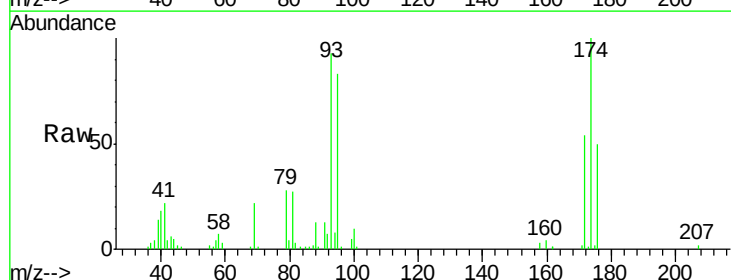
Manual Integrations
 APPROVED

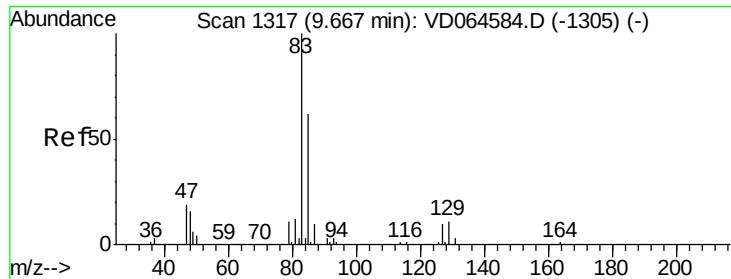
MMDadoda
 1/10/2020 10:41:58 AM



#46
 Dibromomethane
 Concen: 21.429 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD064810.D
 Acq: 09 Jan 2020 12:00

Tgt Ion	Ratio	Lower	Upper
93	100		
95	86.8	64.6	97.0
174	111.3	88.1	132.1





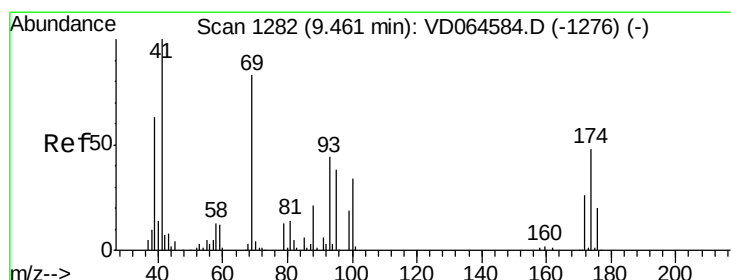
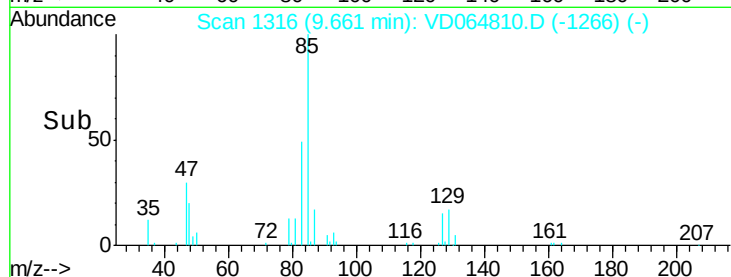
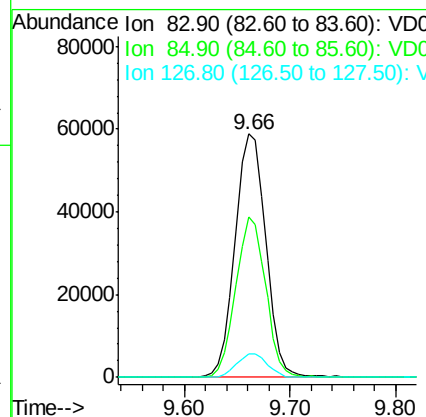
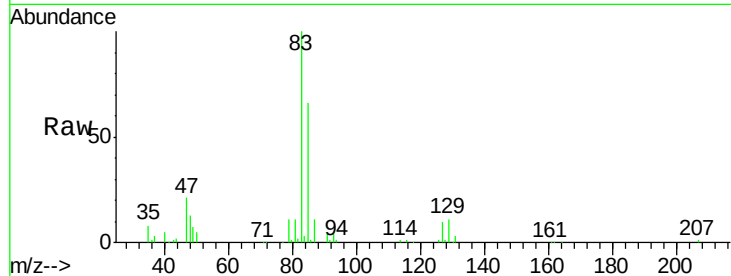
#47
Bromodichloromethane
Concen: 22.317 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. -0.01 min
Lab File: VD064810.D
Acq: 09 Jan 2020 12:00

Instrument :
MSVOA_D
ClientSampleId :
VD0109SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	118693		
85	65.9	49.5	74.3	
127	9.8	7.8	11.6	

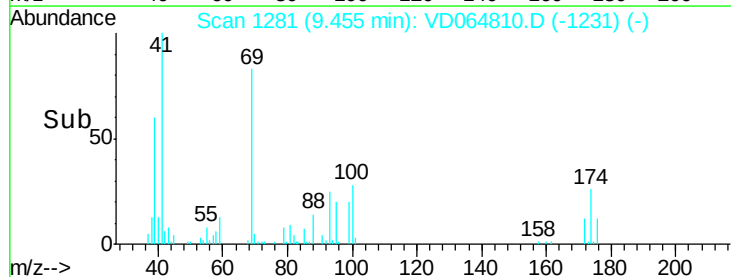
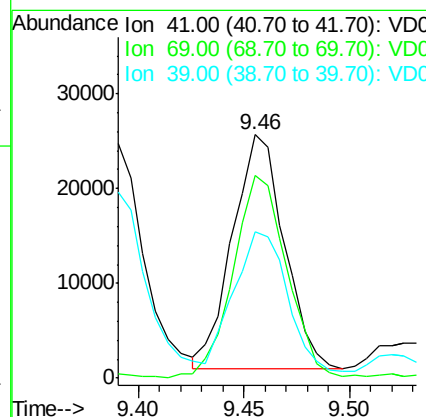
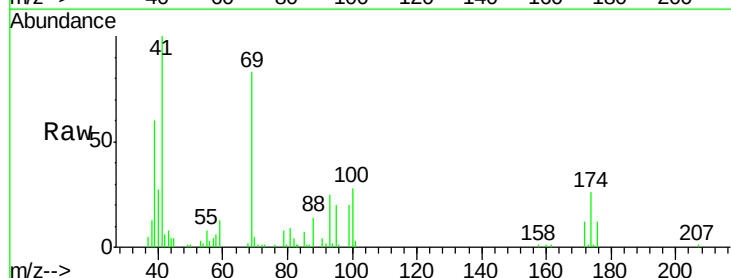
Manual Integrations
APPROVED

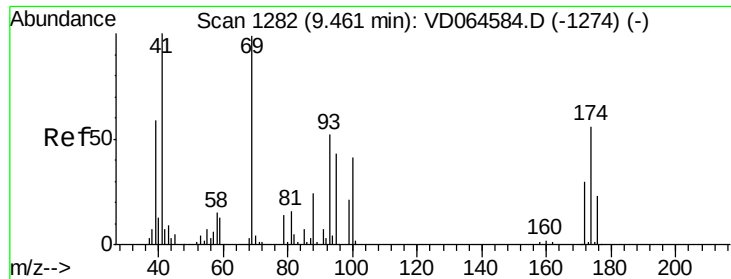
MMDadoda
1/10/2020 10:41:58 AM



#48
Methyl methacrylate
Concen: 20.783 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD064810.D
Acq: 09 Jan 2020 12:00

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	42085		
69	89.6	63.0	94.6	
39	60.8	47.4	71.2	





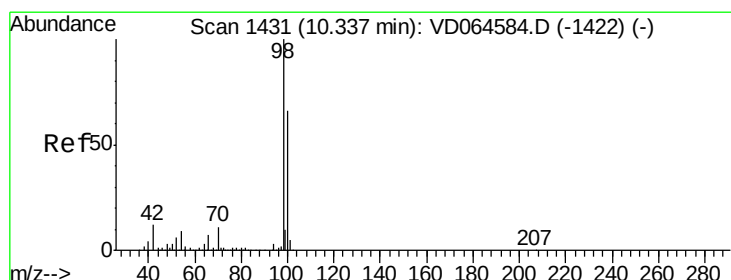
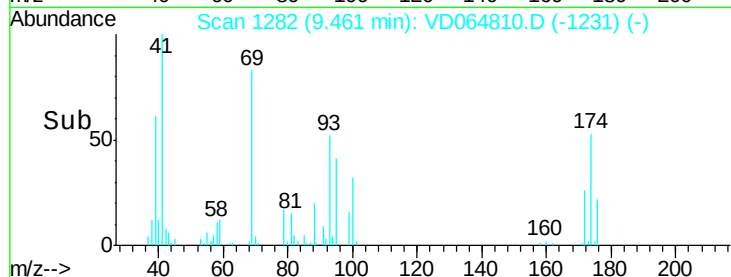
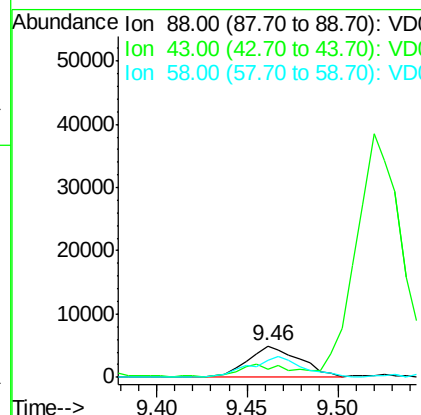
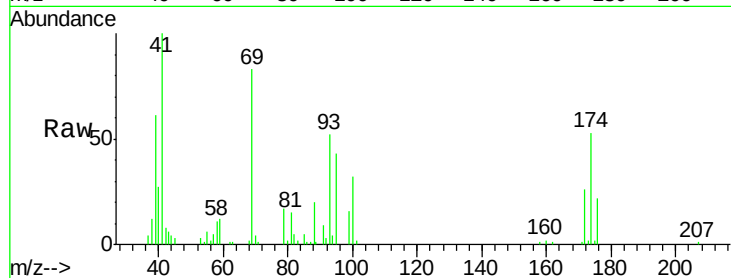
#49
1,4-Dioxane
Concen: 425.312 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD064810.D
Acq: 09 Jan 2020 12:00

Instrument :
MSVOA_D
ClientSampleId :
VD0109SBS01

Tot Ion: 88 Resp: 9802
Ion Ratio Lower Upper
88 100
43 45.8 27.7 41.5#
58 67.1 53.8 80.6

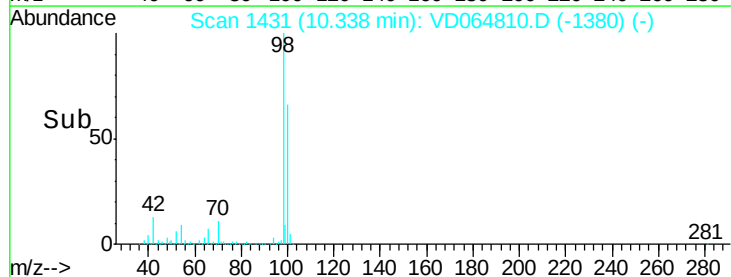
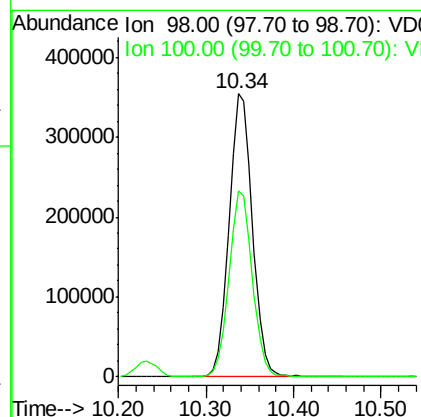
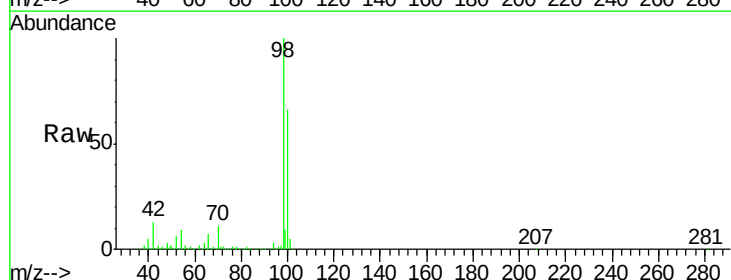
Manual Integrations
APPROVED

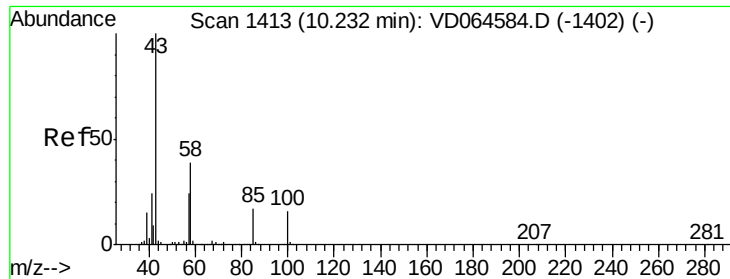
MMDadoda
1/10/2020 10:41:58 AM



#50
Toluene-d8
Concen: 48.207 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD064810.D
Acq: 09 Jan 2020 12:00

Tgt Ion: 98 Resp: 647280
Ion Ratio Lower Upper
98 100
100 66.1 51.7 77.5





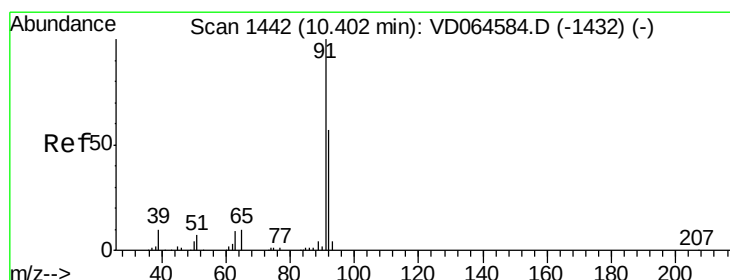
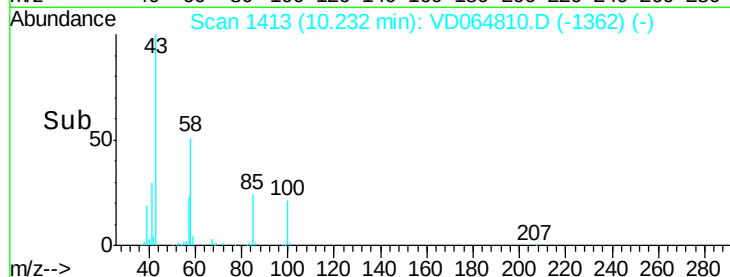
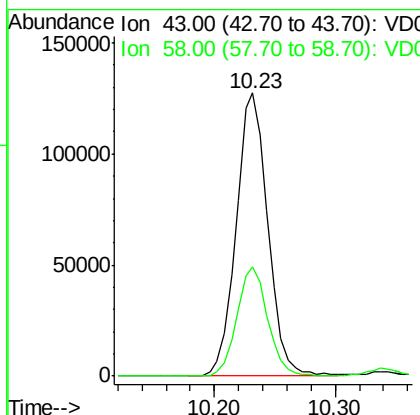
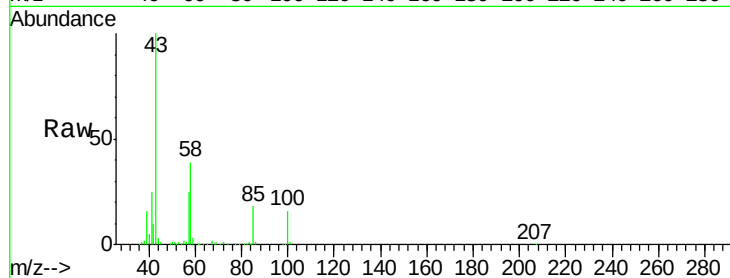
#51
4-Methyl-2-Pentanone
Concen: 109.367 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD064810.D
Acq: 09 Jan 2020 12:00

Instrument :
MSVOA_D
ClientSampleId :
VD0109SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	37.8	30.2	45.2

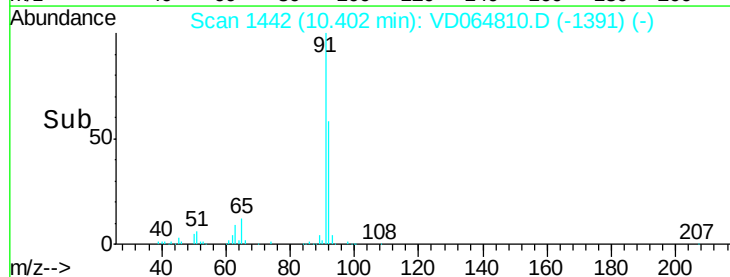
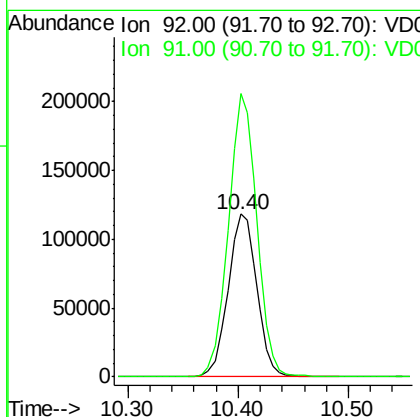
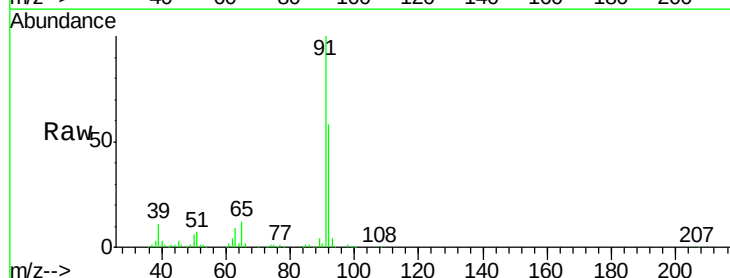
Manual Integrations
APPROVED

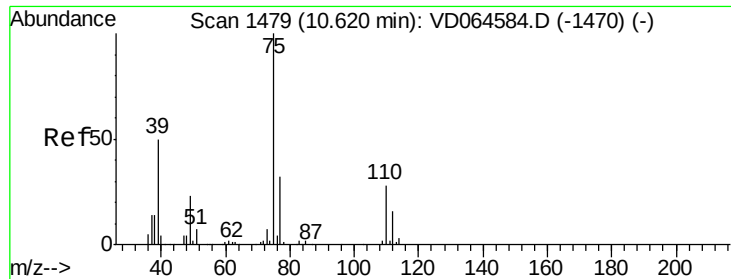
MMDadoda
1/10/2020 10:41:58 AM



#52
Toluene
Concen: 21.903 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. 0.00 min
Lab File: VD064810.D
Acq: 09 Jan 2020 12:00

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.1	138.7	208.1





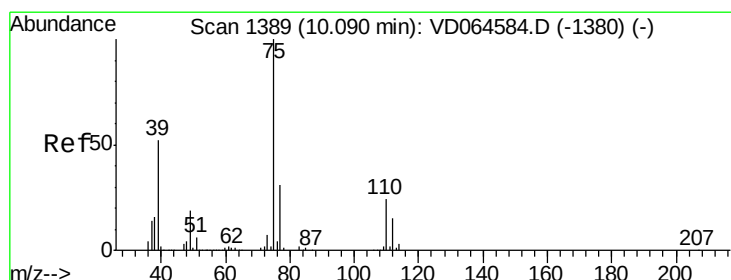
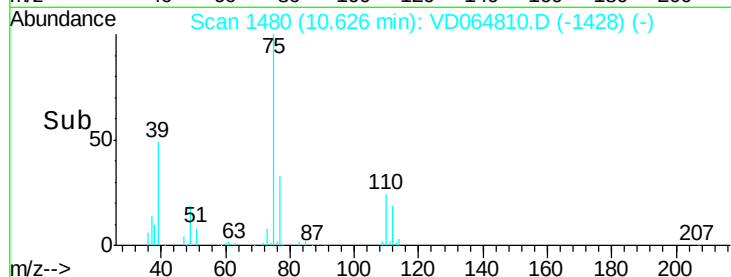
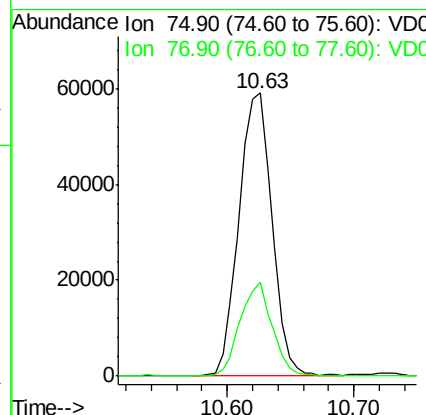
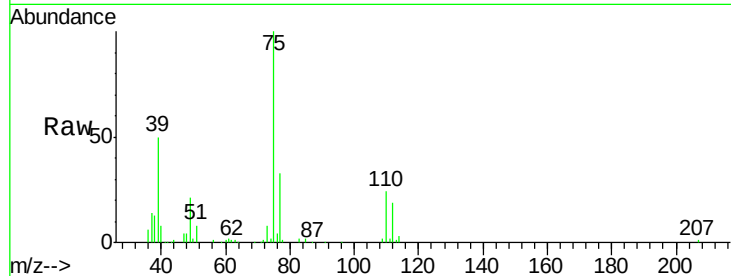
#53
t-1,3-Dichloropropene
Concen: 21.602 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.01 min
Lab File: VD064810.D
Acq: 09 Jan 2020 12:00

Instrument :
MSVOA_D
ClientSampleId :
VD0109SBS01

Tot Ion: 75 Resp: 107114
Ion Ratio Lower Upper
75 100
77 33.3 25.4 38.2

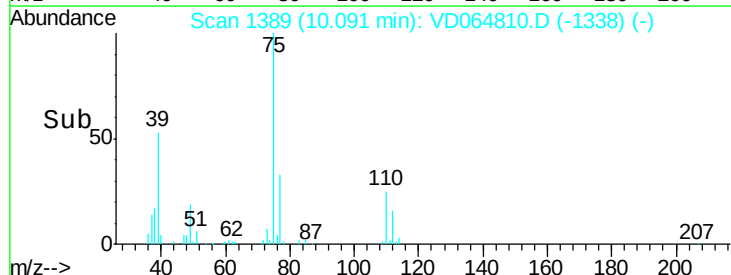
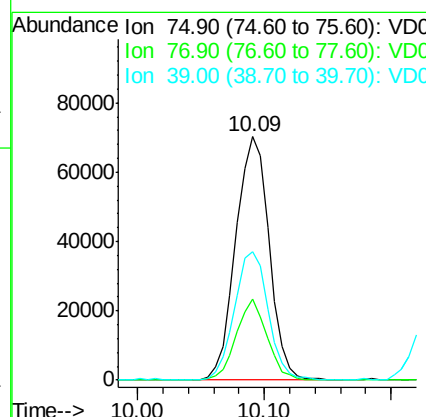
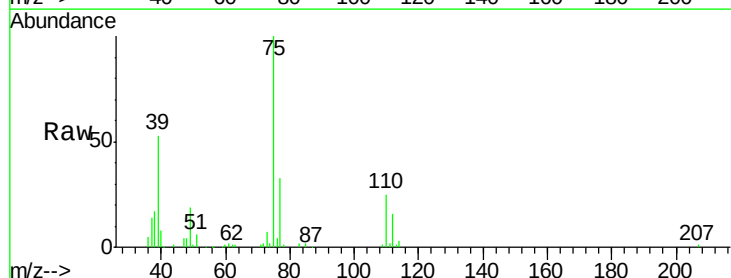
Manual Integrations
APPROVED

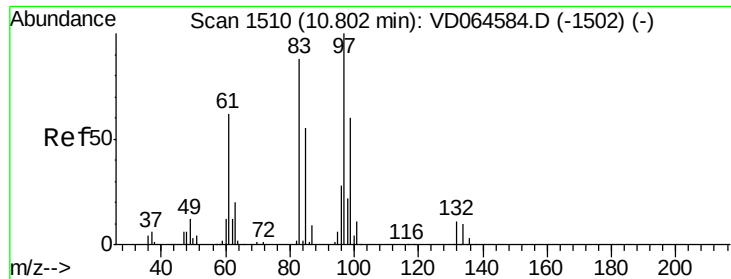
MMDadoda
1/10/2020 10:41:58 AM



#54
cis-1,3-Dichloropropene
Concen: 21.944 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD064810.D
Acq: 09 Jan 2020 12:00

Tgt Ion: 75 Resp: 128301
Ion Ratio Lower Upper
75 100
77 33.4 24.6 36.8
39 52.3 41.4 62.2





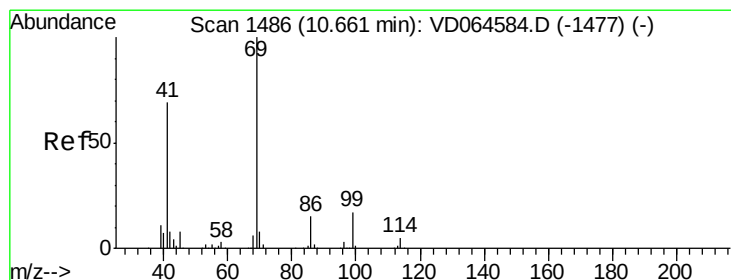
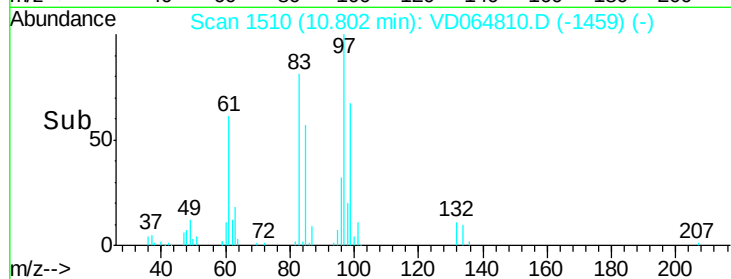
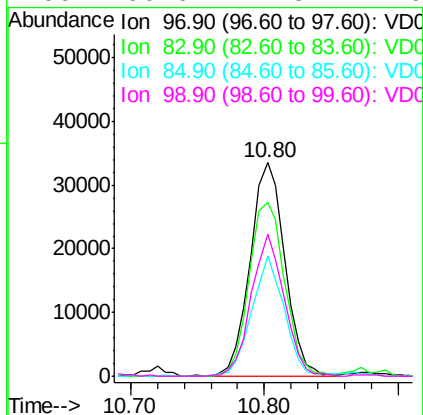
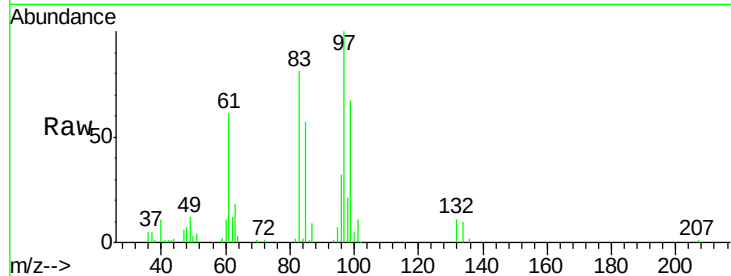
#55
 1,1,2-Trichloroethane
 Concen: 22.349 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064810.D
 Acq: 09 Jan 2020 12:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0109SBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	81.3	70.2	105.4
85	56.5	44.0	66.0
99	66.6	47.8	71.6

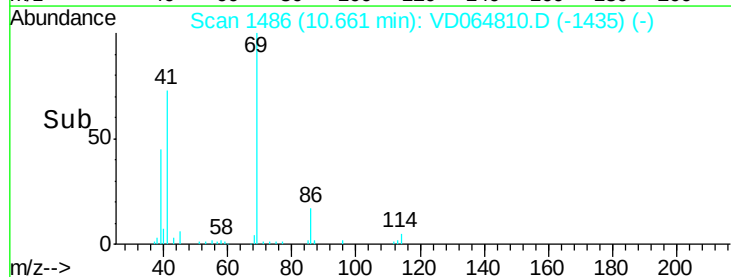
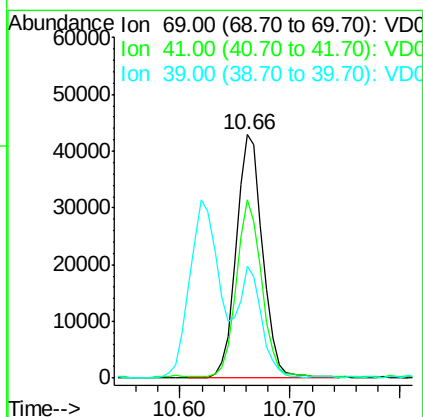
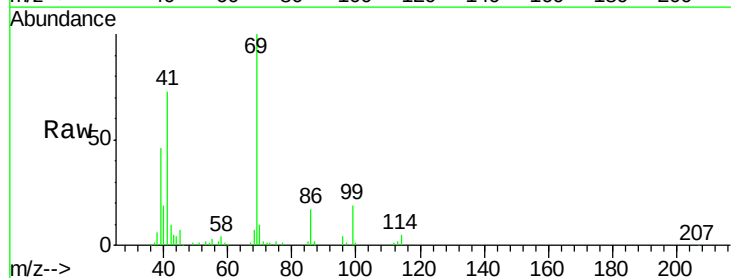
Manual Integrations
 APPROVED

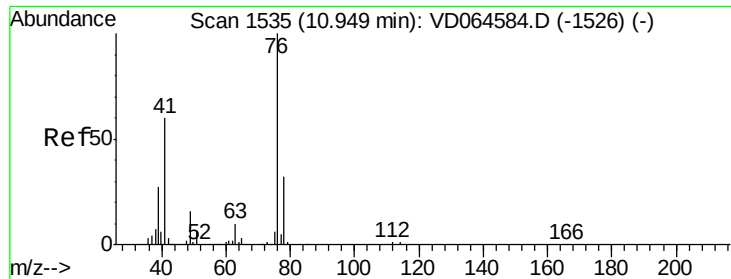
MMDadoda
 1/10/2020 10:41:58 AM



#56
 Ethyl methacrylate
 Concen: 21.551 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD064810.D
 Acq: 09 Jan 2020 12:00

Tgt Ion	Ratio	Lower	Upper
69	100		
41	69.4	55.3	82.9
39	41.4	33.8	50.8





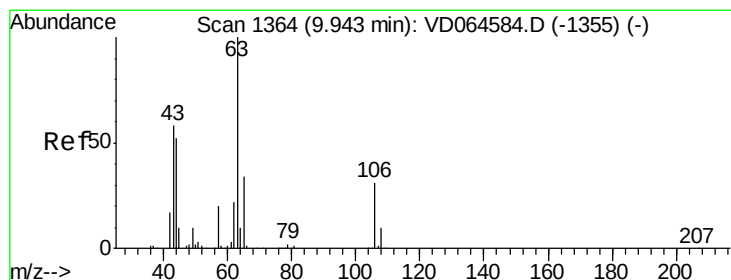
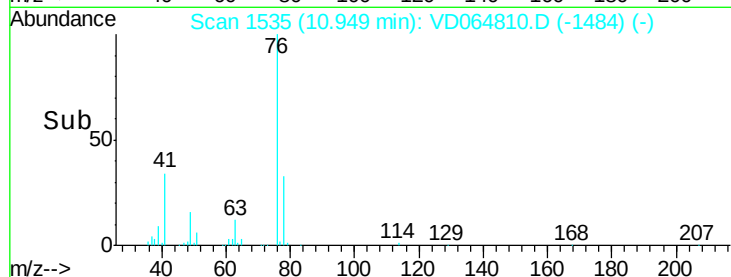
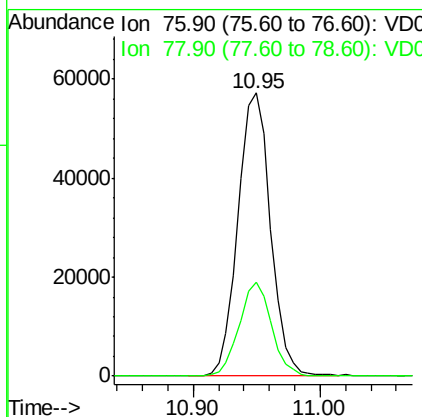
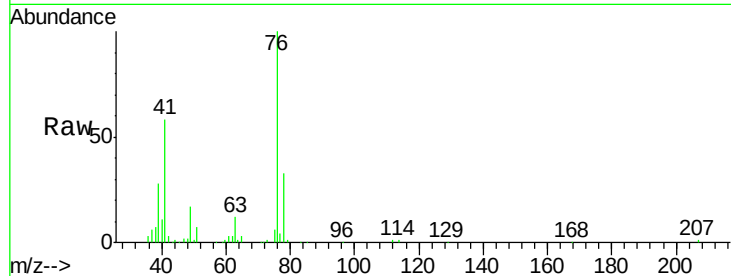
#57
 1,3-Dichloropropane
 Concen: 22.014 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064810.D
 Acq: 09 Jan 2020 12:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0109SBS01

Tot Ion: 76 Resp: 102097
 Ion Ratio Lower Upper
 76 100
 78 32.9 26.2 39.4

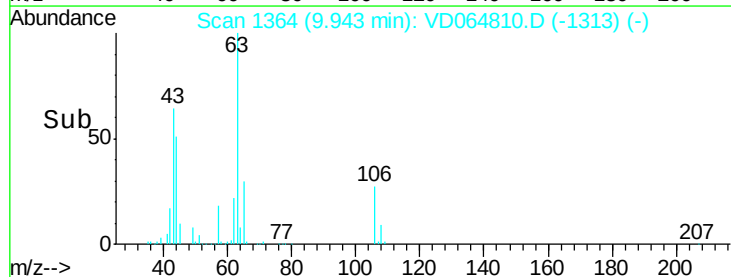
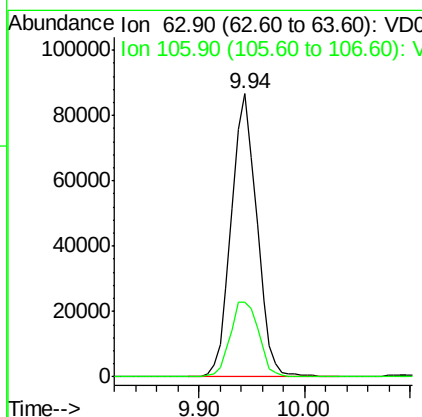
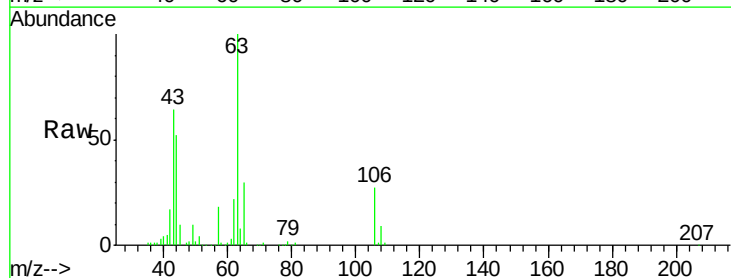
Manual Integrations
 APPROVED

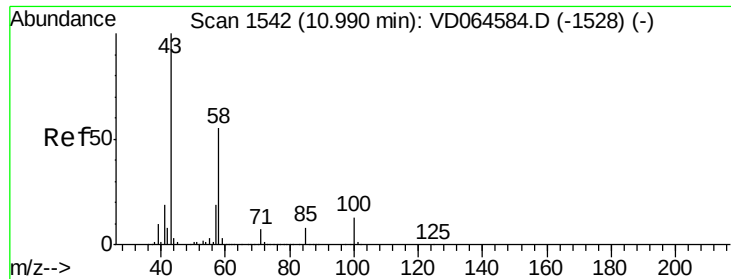
MMDadoda
 1/10/2020 10:41:58 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 113.500 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064810.D
 Acq: 09 Jan 2020 12:00

Tgt Ion: 63 Resp: 145467
 Ion Ratio Lower Upper
 63 100
 106 29.5 23.8 35.8





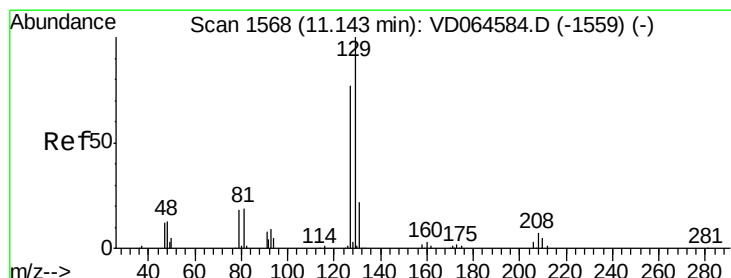
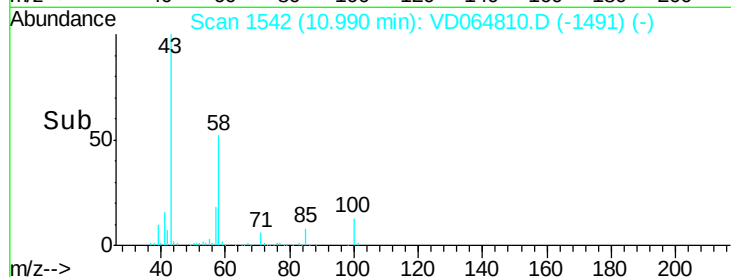
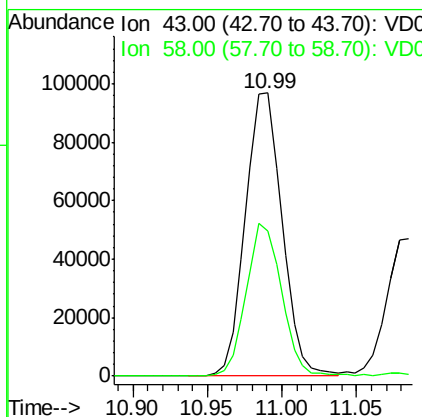
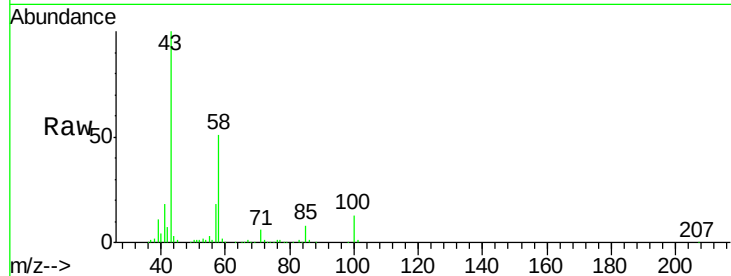
#59
2-Hexanone
Concen: 114.833 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064810.D
Acq: 09 Jan 2020 12:00

Instrument :
MSVOA_D
ClientSampleId :
VD0109SBS01

Tot Ion: 43 Resp: 165680
Ion Ratio Lower Upper
43 100
58 52.1 26.4 79.0

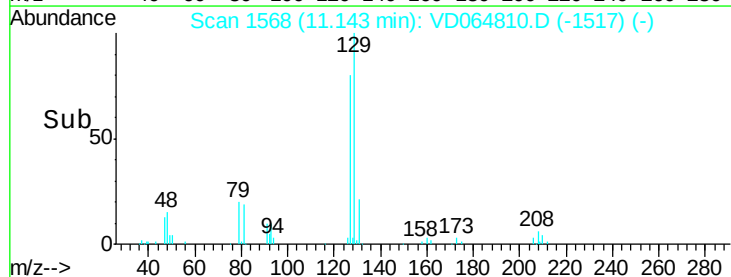
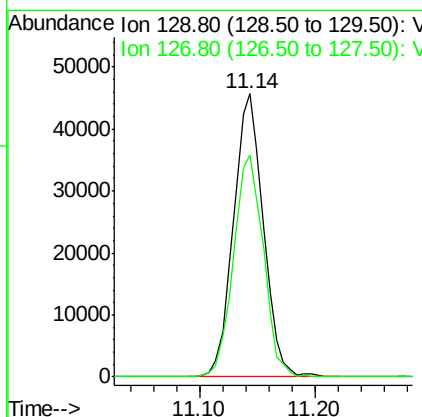
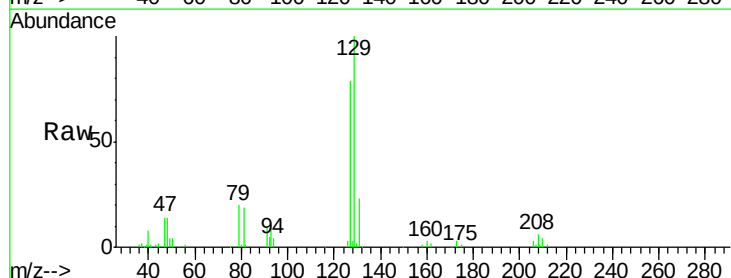
Manual Integrations
APPROVED

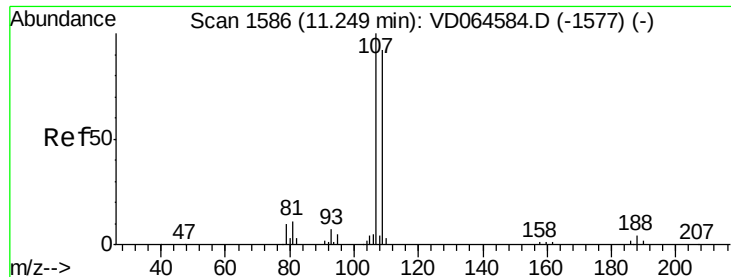
MMDadoda
1/10/2020 10:41:58 AM



#60
Dibromochloromethane
Concen: 21.955 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064810.D
Acq: 09 Jan 2020 12:00

Tgt Ion: 129 Resp: 81780
Ion Ratio Lower Upper
129 100
127 78.2 38.4 115.2





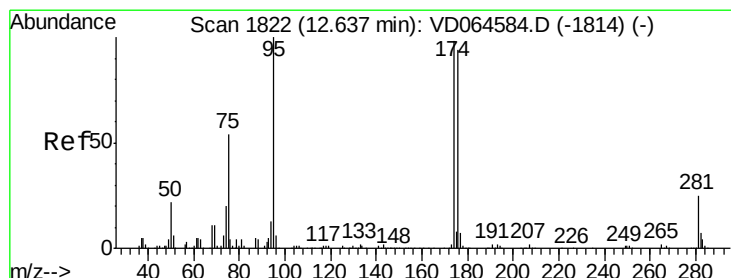
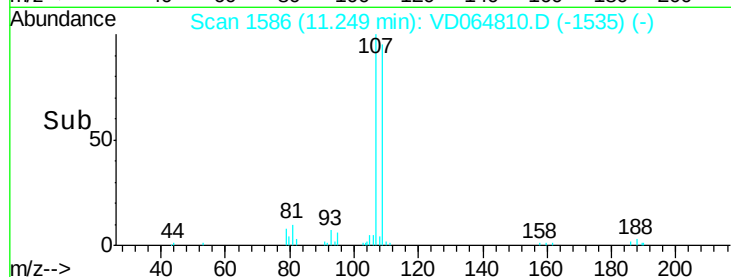
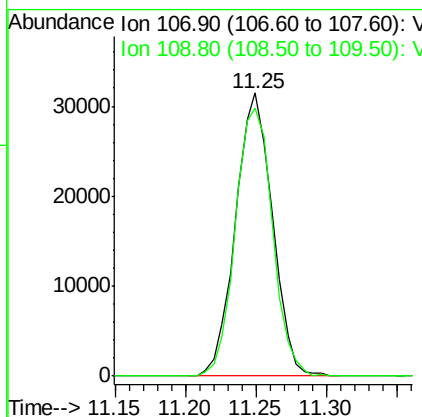
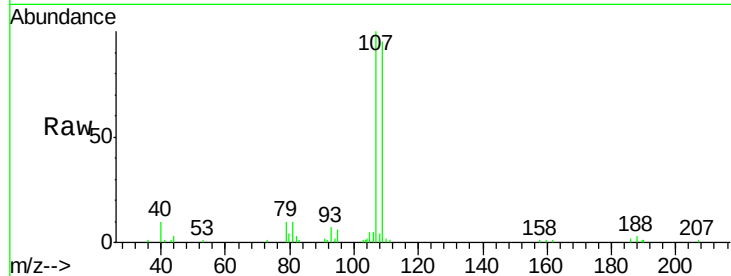
#61
1,2-Dibromoethane
Concen: 21.660 ug/l
RT: 11.25 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VD064810.D
Acq: 09 Jan 2020 12:00

Instrument :
MSVOA_D
ClientSampleId :
VD0109SBS01

Tot Ion: 107 Resp: 57546
Ion Ratio Lower Upper
107 100
109 95.3 75.6 113.4

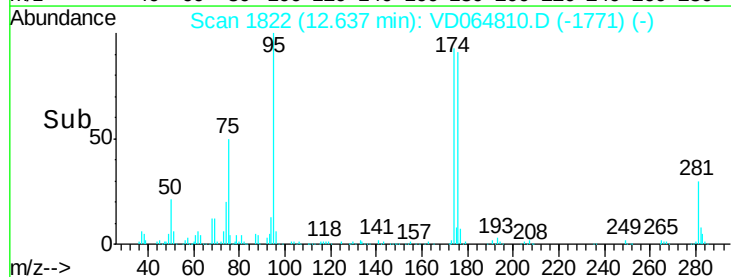
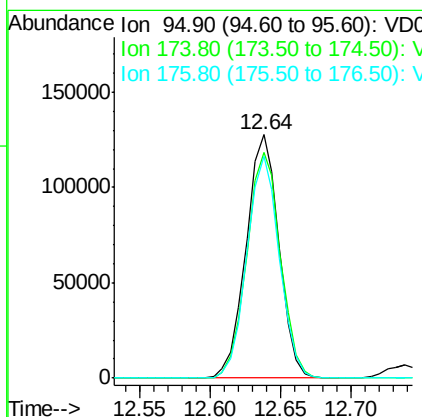
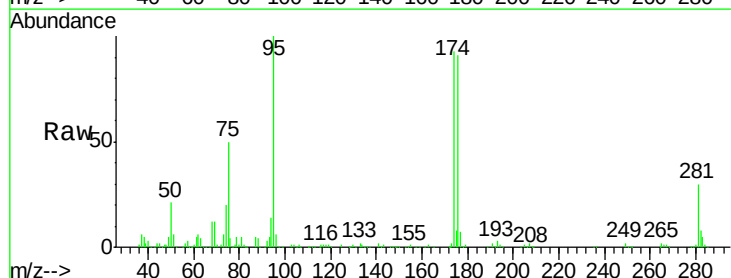
Manual Integrations
APPROVED

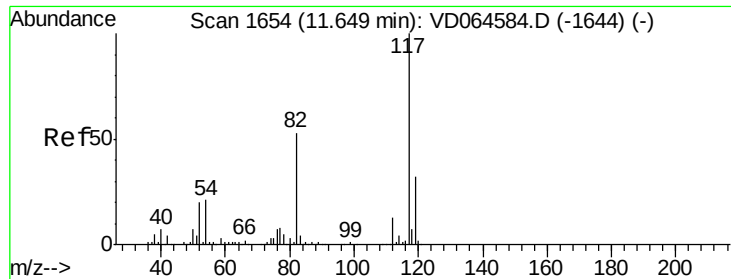
MMDadoda
1/10/2020 10:41:58 AM



#62
4-Bromofluorobenzene
Concen: 49.137 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064810.D
Acq: 09 Jan 2020 12:00

Tgt Ion: 95 Resp: 208624
Ion Ratio Lower Upper
95 100
174 94.4 0.0 193.2
176 90.3 0.0 184.2





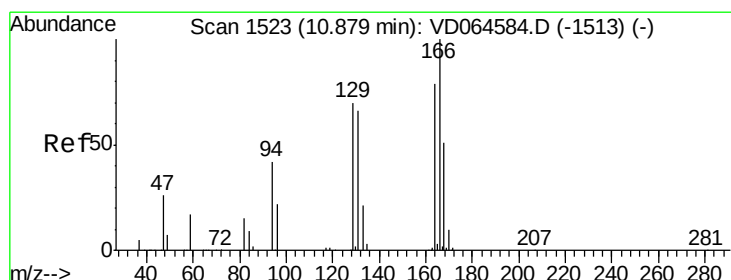
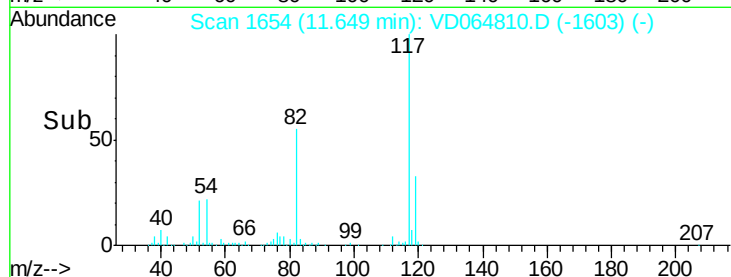
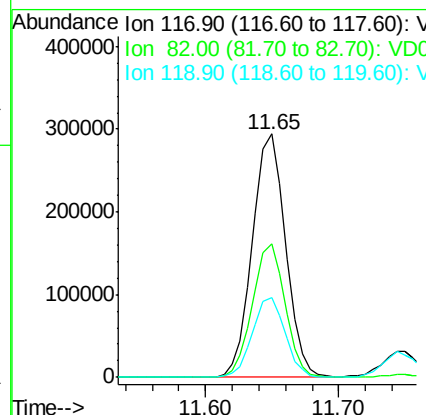
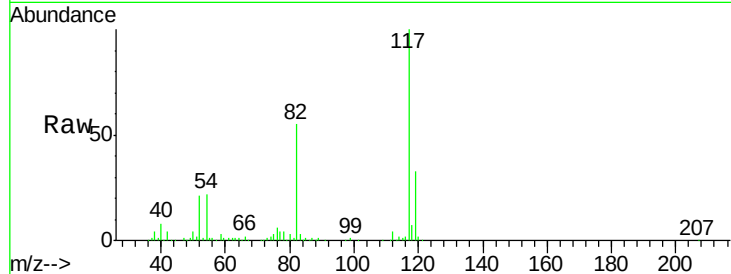
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064810.D
Acq: 09 Jan 2020 12:00

Instrument :
MSVOA_D
ClientSampleId :
VD0109SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	505903		
82	54.8		42.2	63.4
119	32.5		26.0	39.0

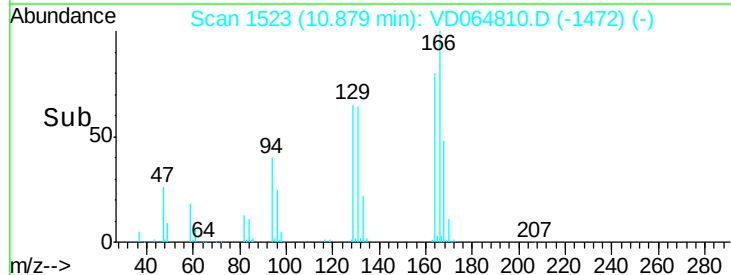
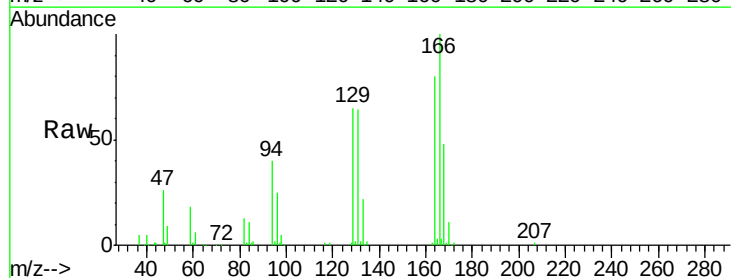
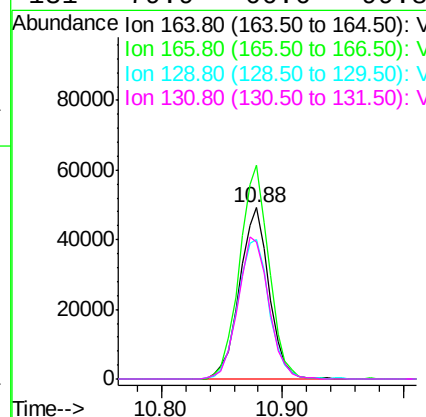
Manual Integrations
APPROVED

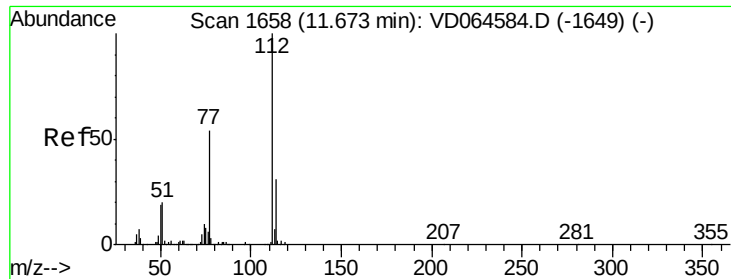
MMDadoda
1/10/2020 10:41:58 AM



#64
Tetrachloroethene
Concen: 21.678 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064810.D
Acq: 09 Jan 2020 12:00

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	84138		
166	125.0		101.3	151.9
129	81.6		70.5	105.7
131	79.9		66.6	99.8





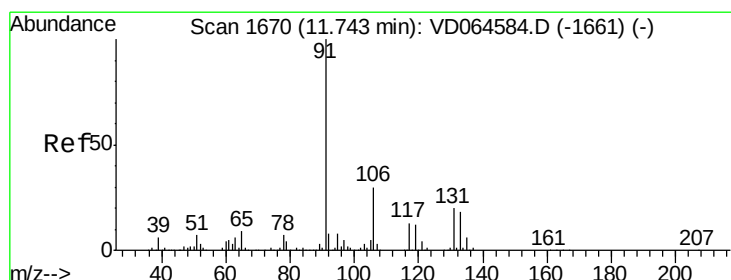
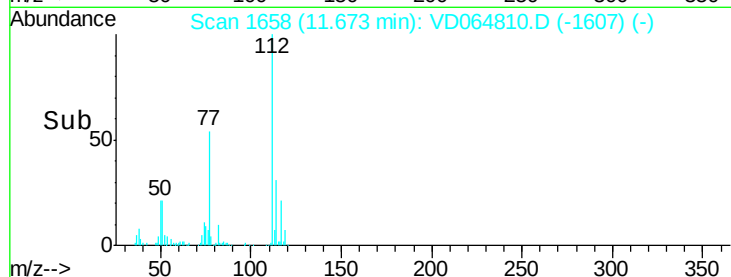
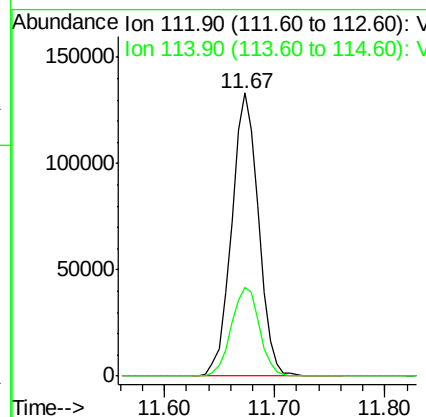
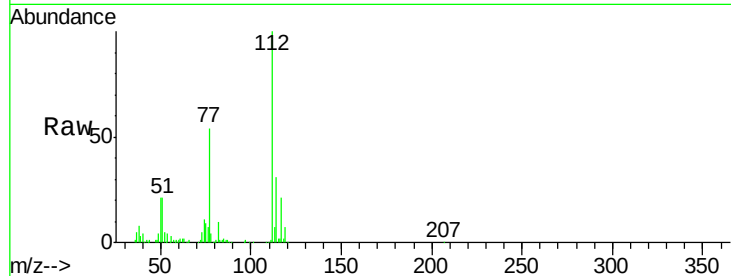
#65
Chlorobenzene
Concen: 21.596 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064810.D
Acq: 09 Jan 2020 12:00

Instrument :
MSVOA_D
ClientSampleId :
VD0109SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.2	24.8	37.2

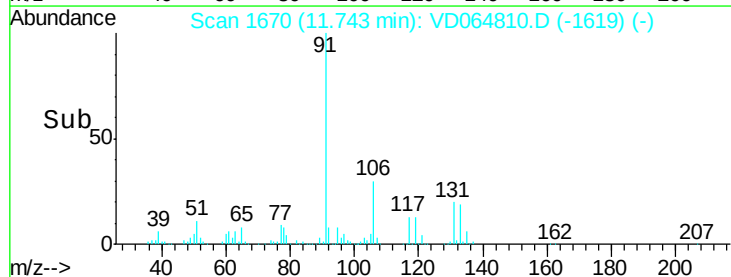
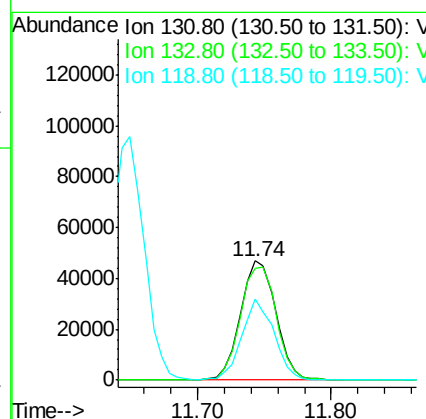
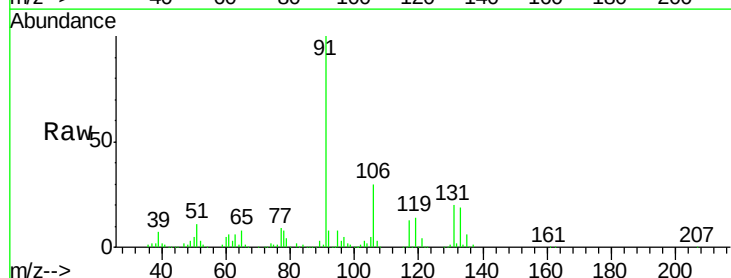
Manual Integrations
APPROVED

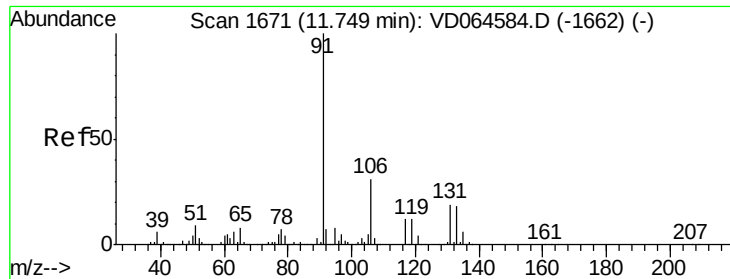
MMDadoda
1/10/2020 10:41:58 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.669 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD064810.D
Acq: 09 Jan 2020 12:00

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.8	48.3	144.8
119	62.4	32.1	96.3





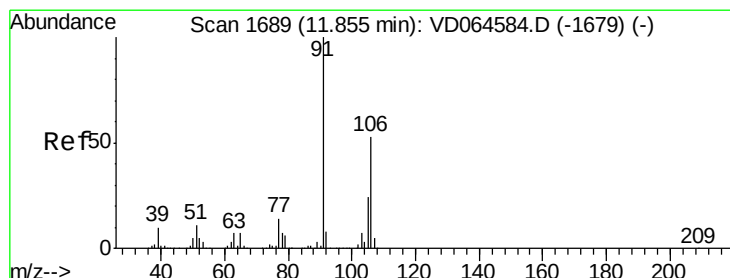
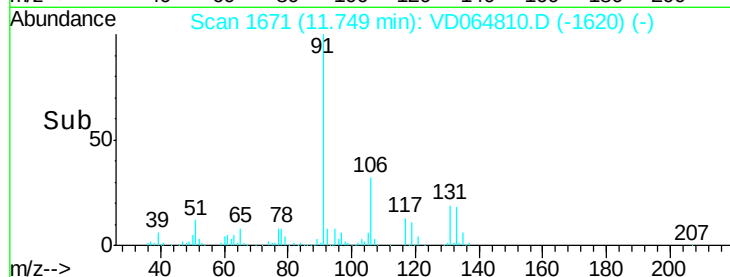
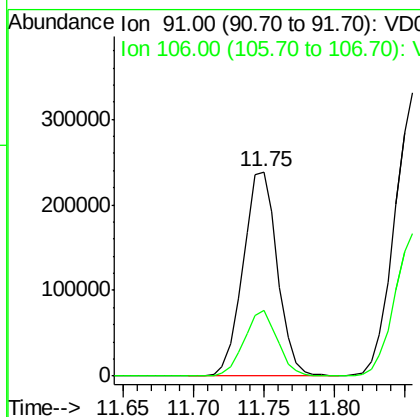
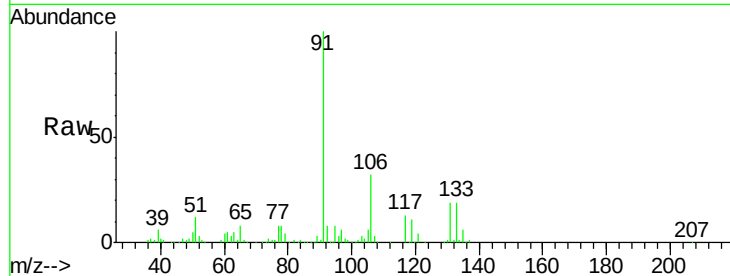
#67
Ethyl Benzene
Concen: 21.285 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064810.D
Acq: 09 Jan 2020 12:00

Instrument :
MSVOA_D
ClientSampleId :
VD0109SBS01

Tot Ion: 91 Resp: 405648
Ion Ratio Lower Upper
91 100
106 32.5 24.6 36.8

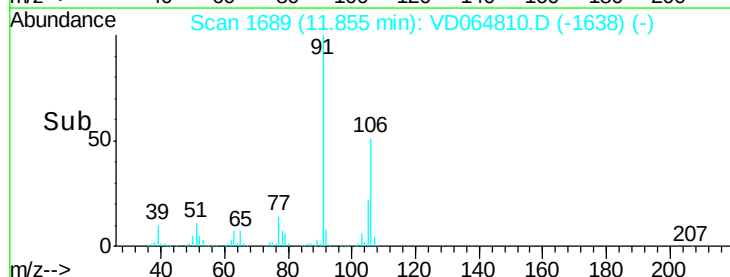
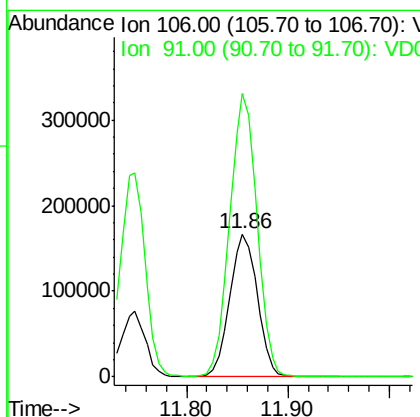
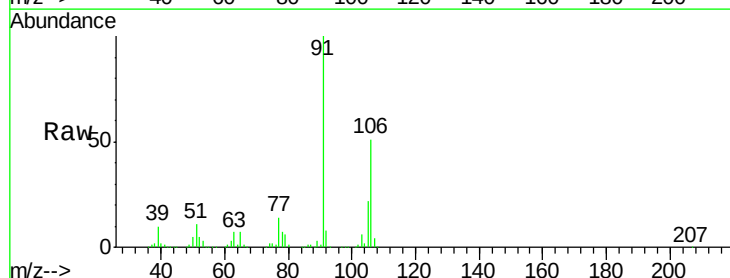
Manual Integrations
APPROVED

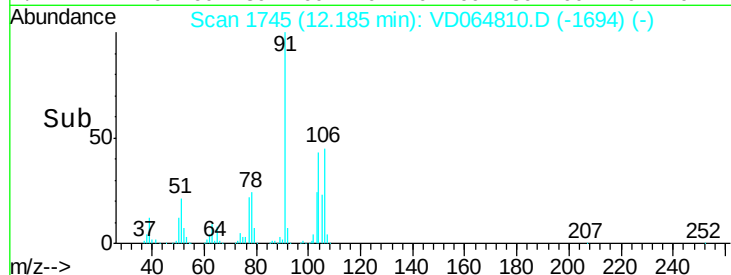
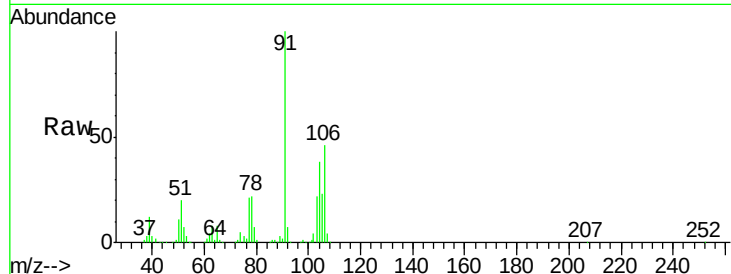
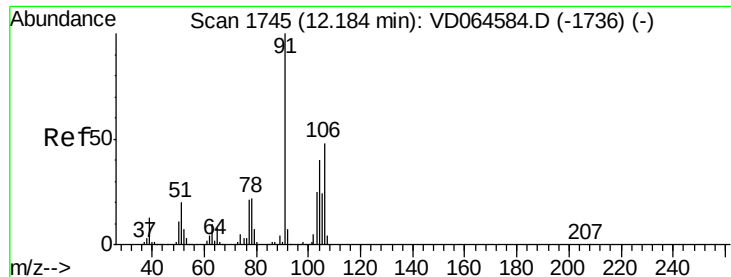
MMDadoda
1/10/2020 10:41:58 AM



#68
m/p-Xylenes
Concen: 43.001 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD064810.D
Acq: 09 Jan 2020 12:00

Tgt Ion: 106 Resp: 316316
Ion Ratio Lower Upper
106 100
91 195.8 156.3 234.5





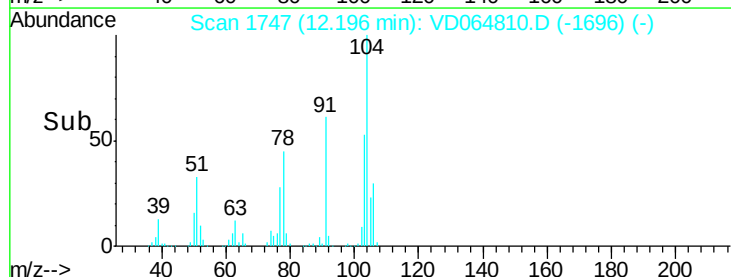
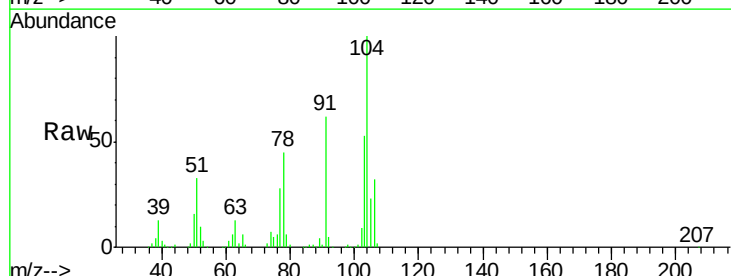
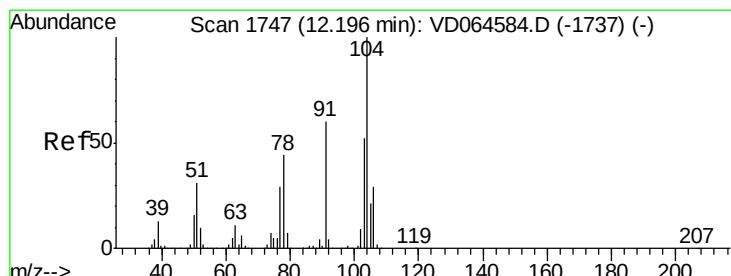
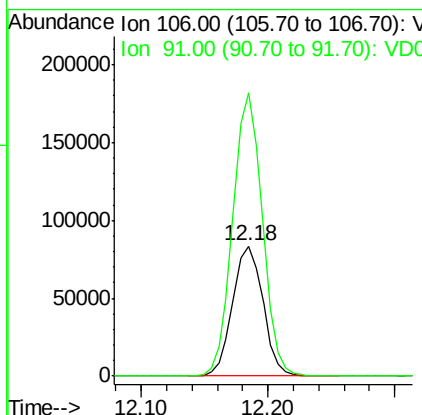
#69
o-Xylene
Concen: 20.812 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064810.D
Acq: 09 Jan 2020 12:00

Tot Ion:106 Resp: 138281
Ion Ratio Lower Upper
106 100
91 212.4 104.8 314.4

Instrument :
MSVOA_D
ClientSampleId :
VD0109SBS01

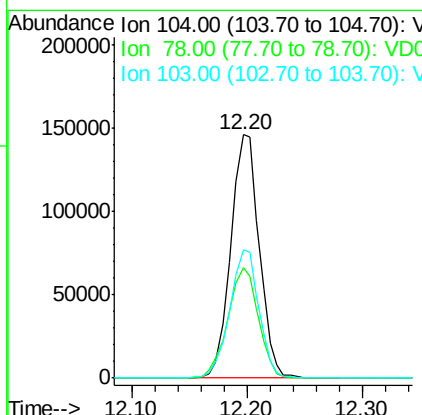
Manual Integrations
APPROVED

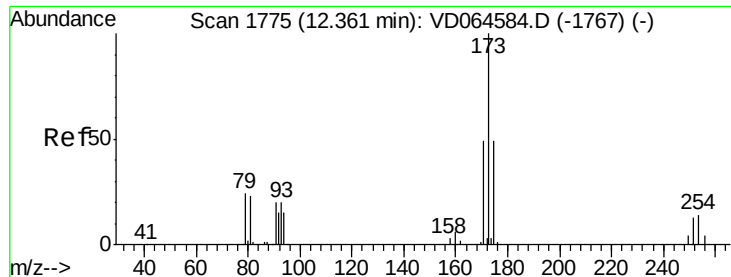
MMDadoda
1/10/2020 10:41:58 AM



#70
Styrene
Concen: 21.367 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064810.D
Acq: 09 Jan 2020 12:00

Tgt Ion:104 Resp: 249192
Ion Ratio Lower Upper
104 100
78 48.5 38.2 57.2
103 54.3 44.6 67.0





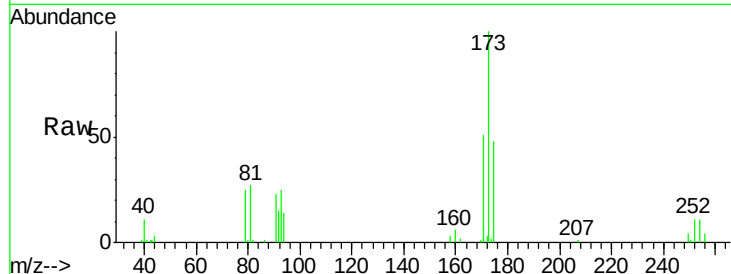
#71
Bromoform
Concen: 21.886 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. 0.00 min
Lab File: VD064810.D
Acq: 09 Jan 2020 12:00

Instrument :
MSVOA_D
ClientSampleId :
VD0109SBS01

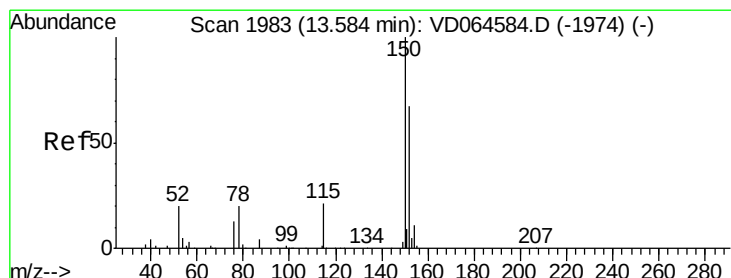
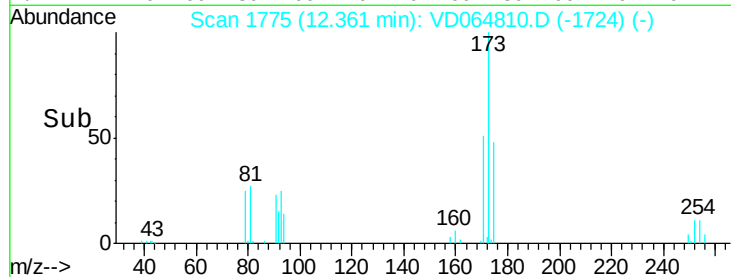
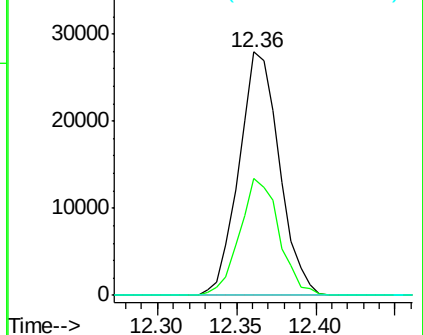
Tot Ion	Ratio	Lower	Upper
173	100		
175	46.9	24.6	73.8
254	0.0	0.1	0.1#

Manual Integrations
APPROVED

MMDadoda
1/10/2020 10:41:58 AM

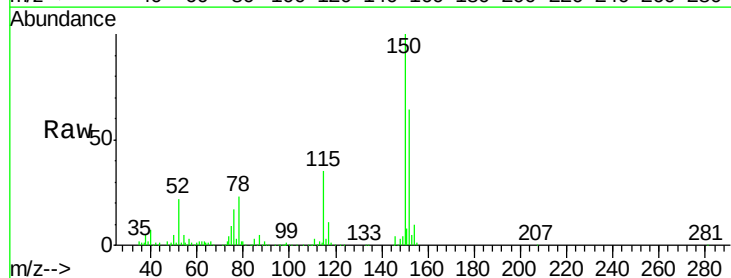


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

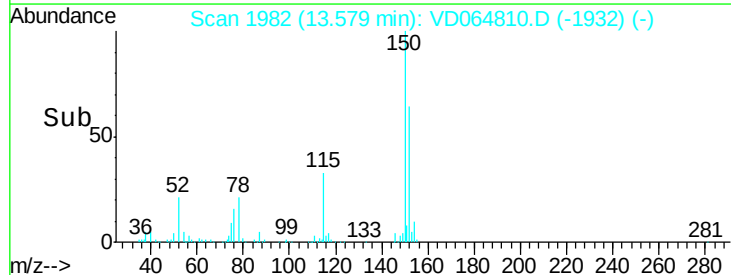
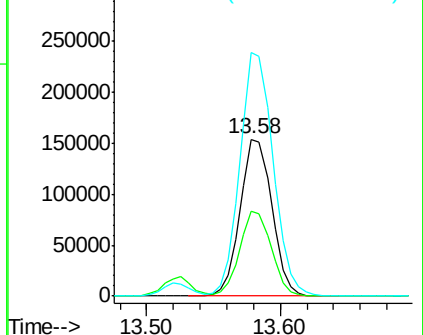


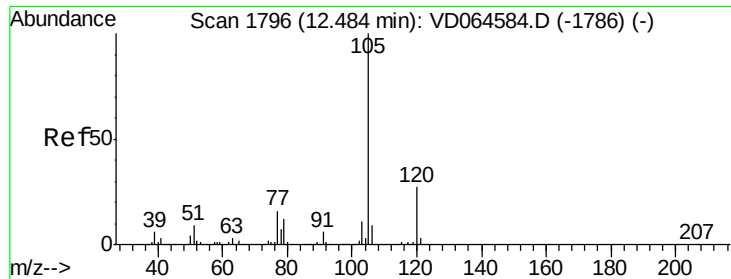
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD064810.D
Acq: 09 Jan 2020 12:00

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.6	27.8	83.4
150	162.7	0.0	351.4



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





#73

Isopropylbenzene

Concen: 21.374 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064810.D

Acq: 09 Jan 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

VD0109SBS01

Tot Ion:105 Resp: 387795

Ion Ratio Lower Upper

105 100

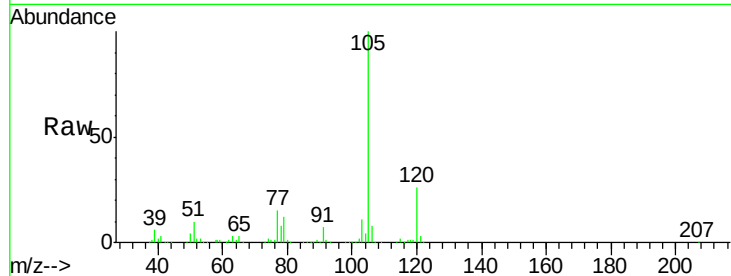
120 27.0 13.5 40.5

Manual Integrations

APPROVED

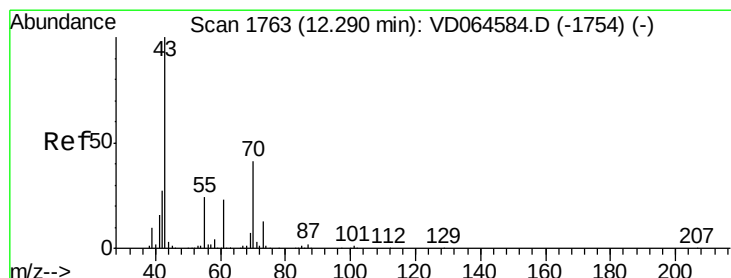
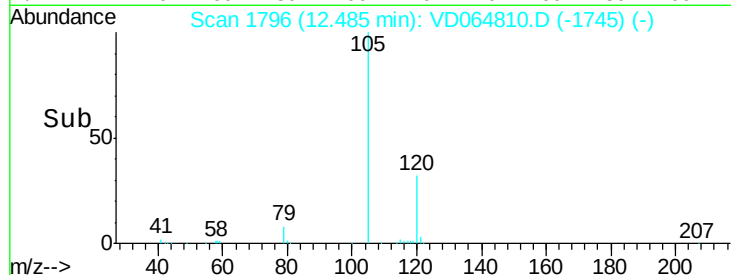
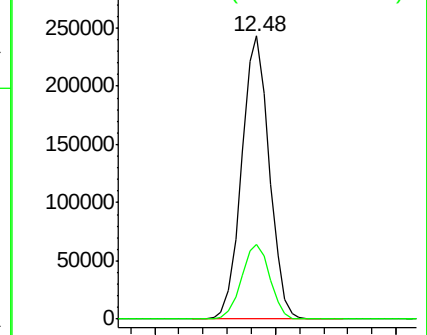
MMDadoda

1/10/2020 10:41:58 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: 21.037 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064810.D

Acq: 09 Jan 2020 12:00

Tgt Ion: 43 Resp: 81590

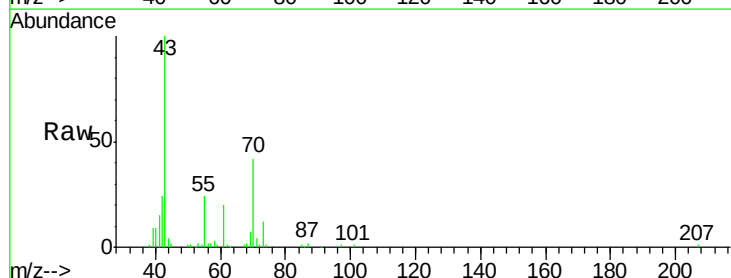
Ion Ratio Lower Upper

43 100

70 40.9 33.4 50.0

55 25.3 19.4 29.0

61 23.1 18.3 27.5

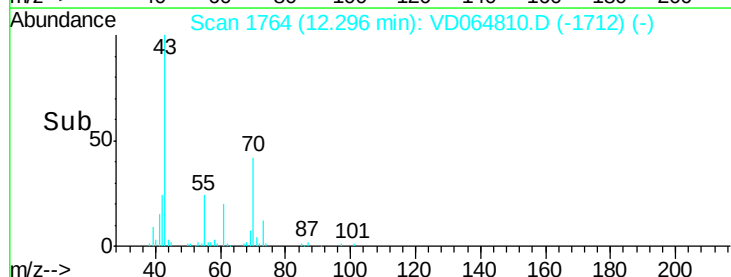
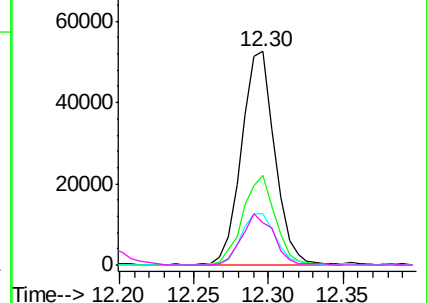


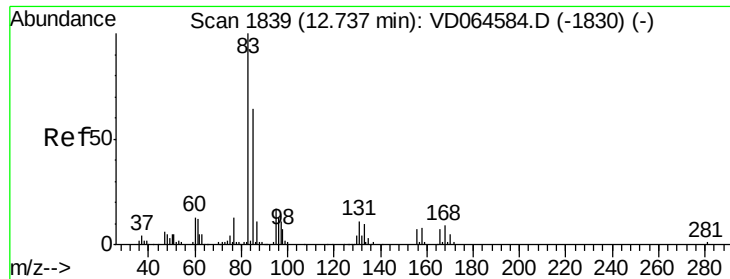
Abundance Ion 43.00 (42.70 to 43.70): V

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: 21.982 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064810.D

Acq: 09 Jan 2020 12:00

Instrument :

MSVOA_D

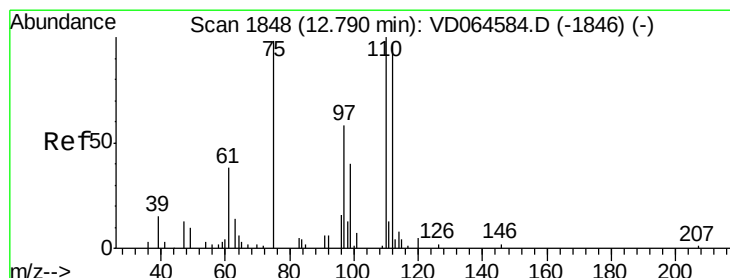
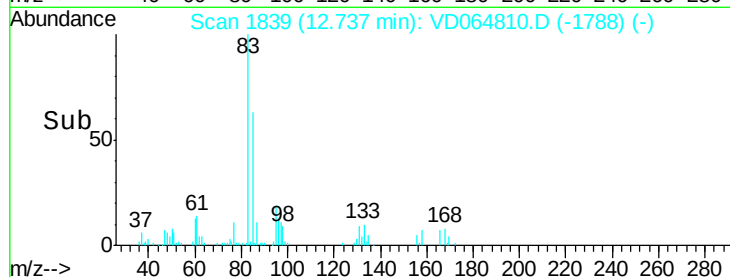
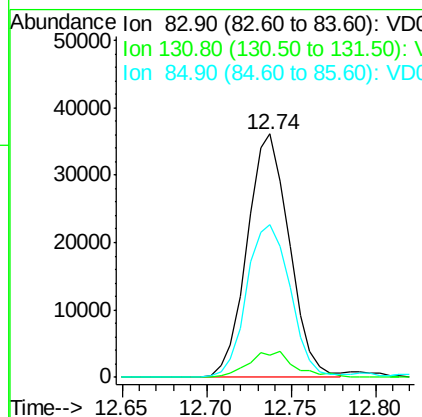
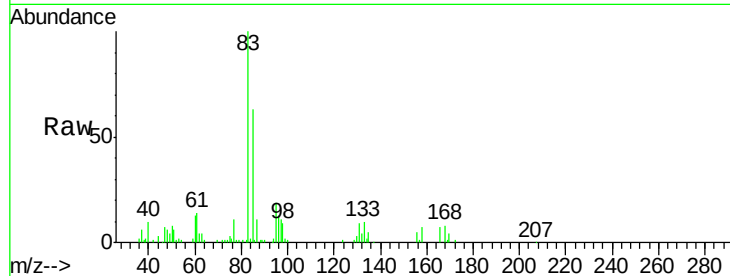
ClientSampleId :

VD0109SBS01

Tot Ion:	83	Resp:	62652
Ion Ratio	Lower	Upper	
83	100		
131	11.5	5.8	17.4
85	65.3	32.3	96.9

Manual Integrations
APPROVED

MMDadoda
1/10/2020 10:41:58 AM



#76

1,2,3-Trichloropropane

Concen: 24.616 ug/l m

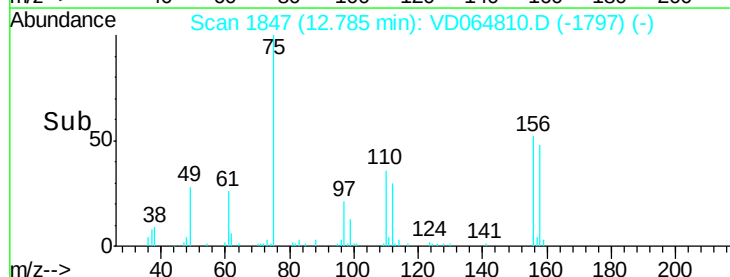
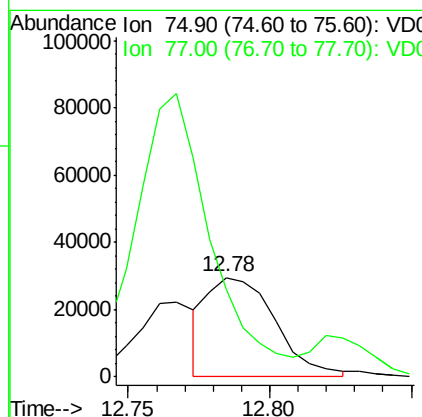
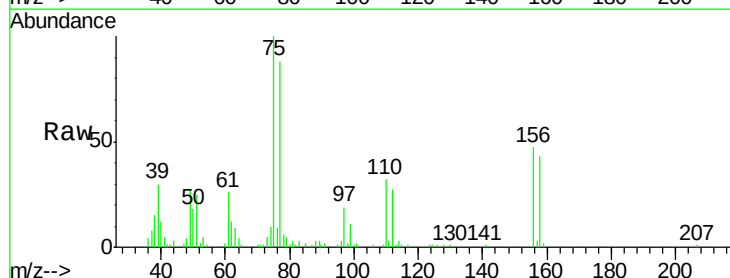
RT: 12.78 min Scan# 1847

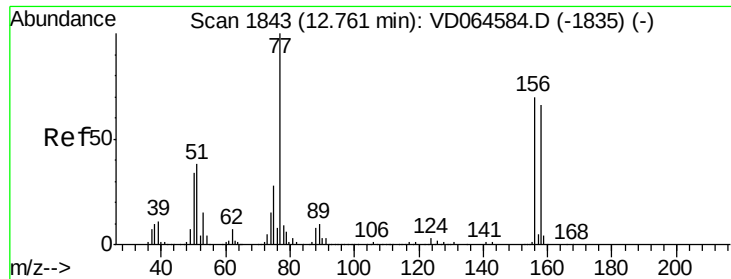
Delta R.T. -0.01 min

Lab File: VD064810.D

Acq: 09 Jan 2020 12:00

Tgt Ion:	75	Resp:	49350
Ion Ratio	Lower	Upper	
75	100		
77	317.1	0.0	0.0#





#77

Bromobenzene

Concen: 21.191 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064810.D

Acq: 09 Jan 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

VD0109SBS01

Tot Ion:156 Resp: 94470

Ion Ratio Lower Upper

156 100

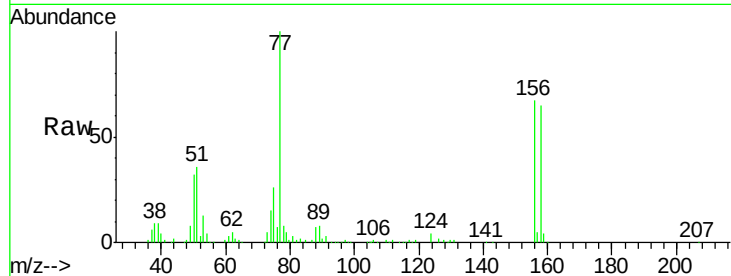
77 165.6 80.9 242.7

158 98.2 48.0 144.2

Manual Integrations
APPROVED

MMDadoda

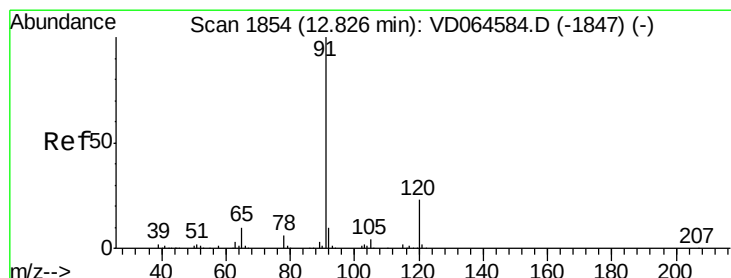
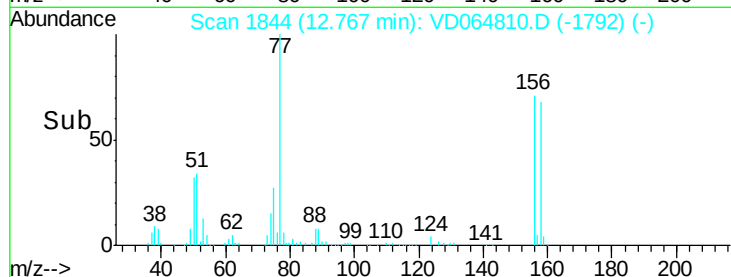
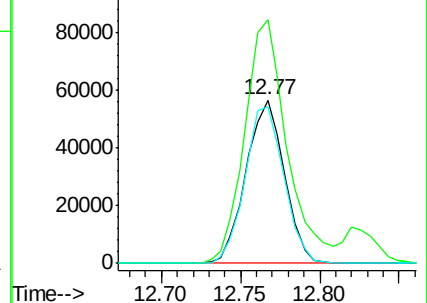
1/10/2020 10:41:58 AM



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: 21.660 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064810.D

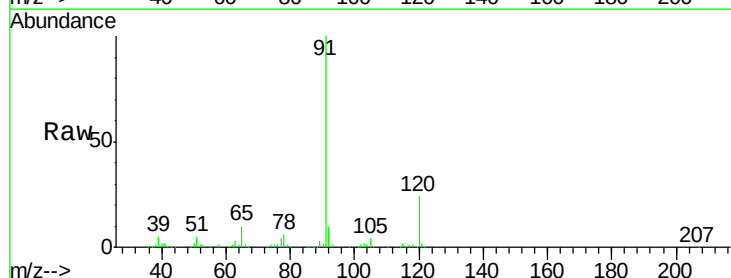
Acq: 09 Jan 2020 12:00

Tgt Ion: 91 Resp: 458460

Ion Ratio Lower Upper

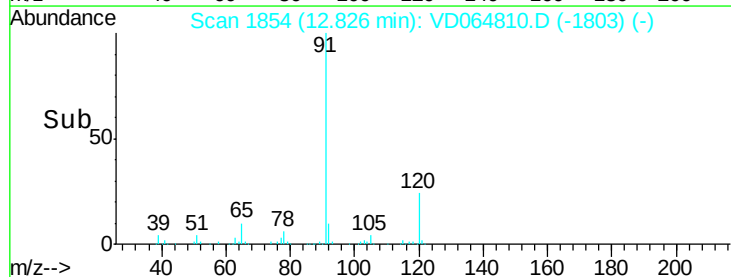
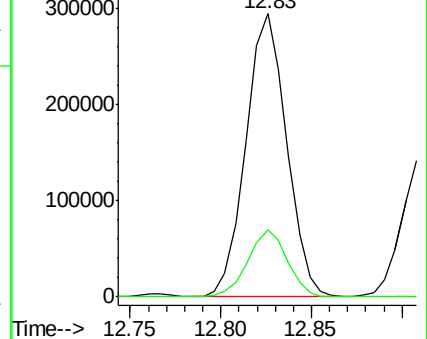
91 100

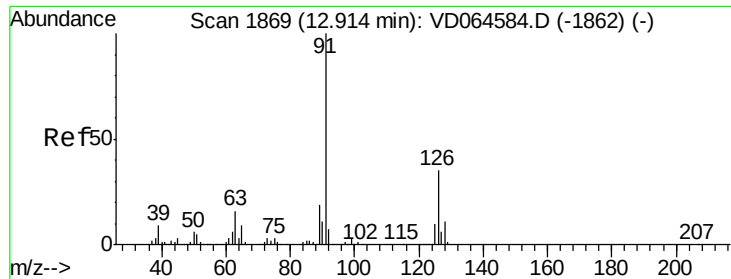
120 23.1 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





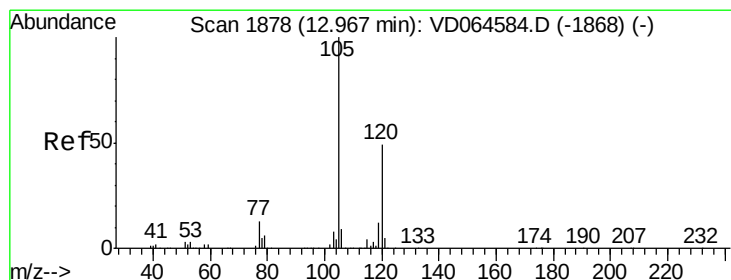
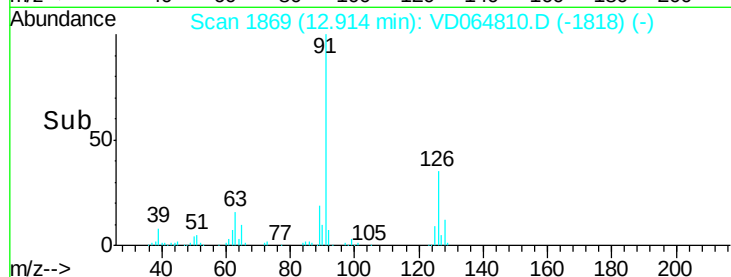
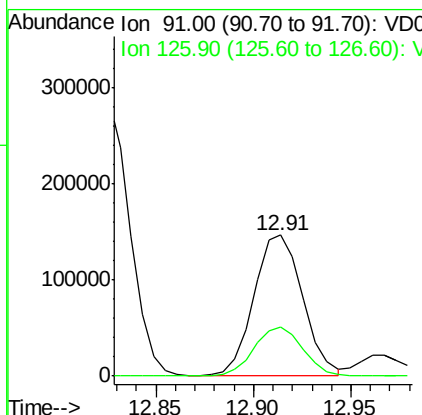
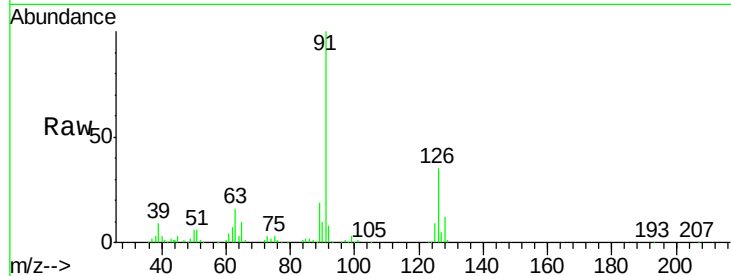
#79
2-Chlorotoluene
Concen: 21.888 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.00 min
Lab File: VD064810.D
Acq: 09 Jan 2020 12:00

Instrument :
MSVOA_D
ClientSampleId :
VD0109SBS01

Tot Ion: 91 Resp: 254497
Ion Ratio Lower Upper
91 100
126 35.1 17.8 53.5

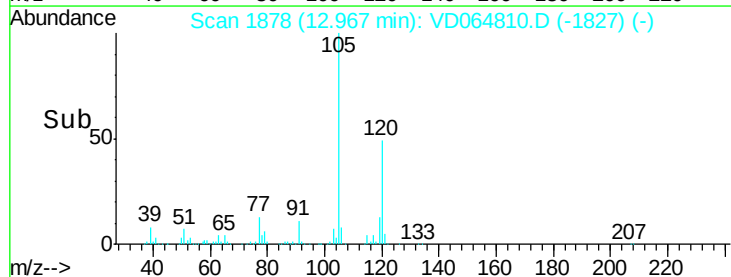
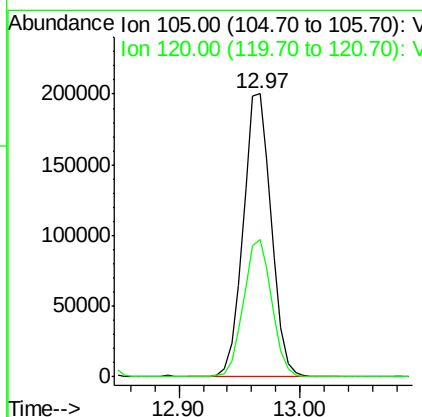
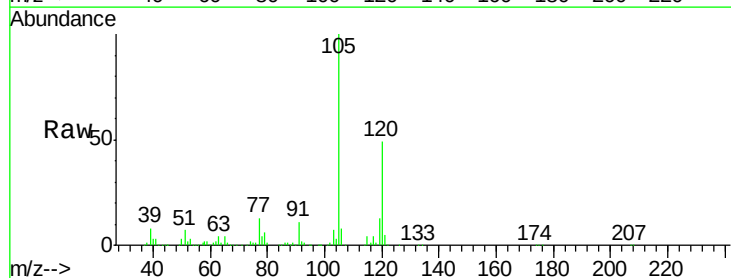
Manual Integrations
APPROVED

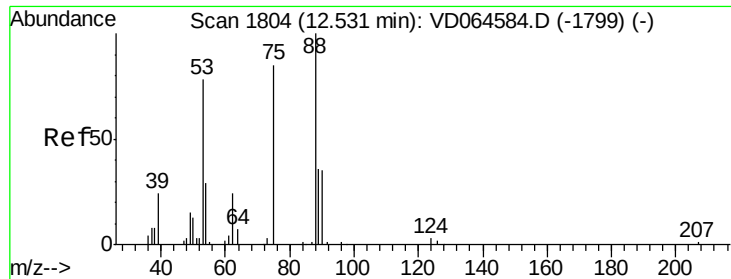
MMDadoda
1/10/2020 10:41:58 AM



#80
1,3,5-Trimethylbenzene
Concen: 21.735 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.00 min
Lab File: VD064810.D
Acq: 09 Jan 2020 12:00

Tgt Ion: 105 Resp: 323925
Ion Ratio Lower Upper
105 100
120 48.9 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 22.229 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD064810.D

Acq: 09 Jan 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

VD0109SBS01

Tot Ion: 75 Resp: 21308

Ion Ratio Lower Upper

75 100

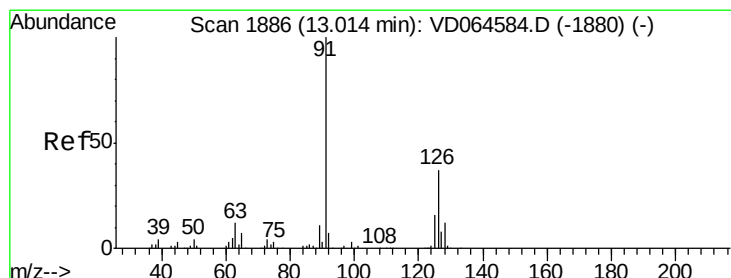
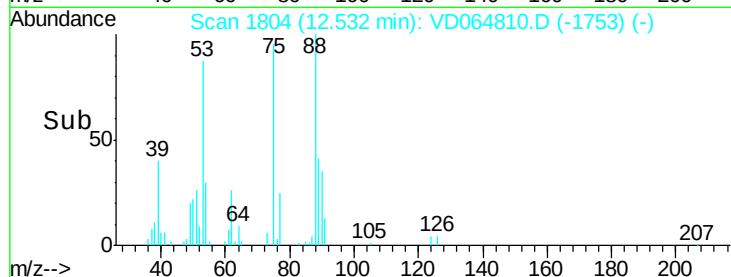
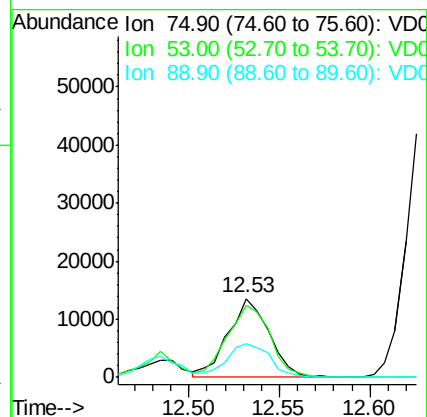
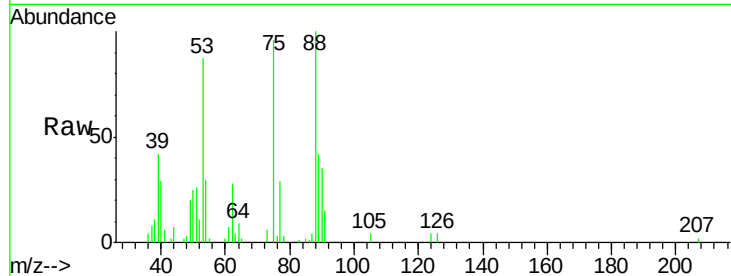
53 96.4 78.8 118.2

89 44.6 38.3 57.5

Manual Integrations
APPROVED

MMDadoda

1/10/2020 10:41:58 AM



#82

4-Chlorotoluene

Concen: 21.562 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD064810.D

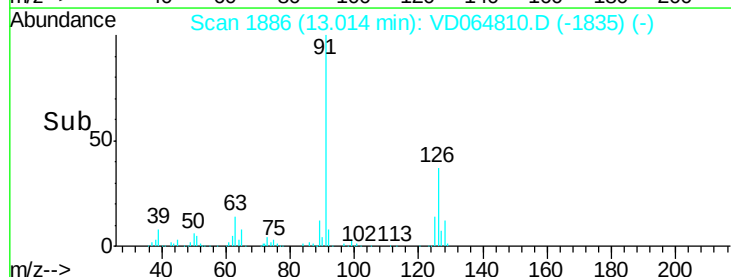
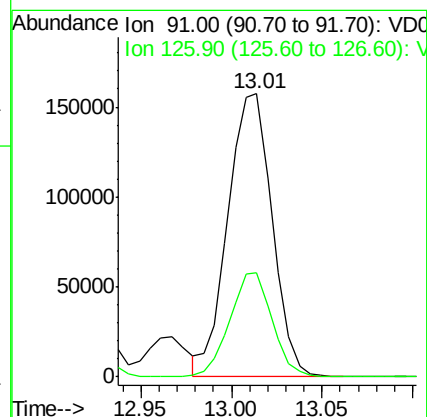
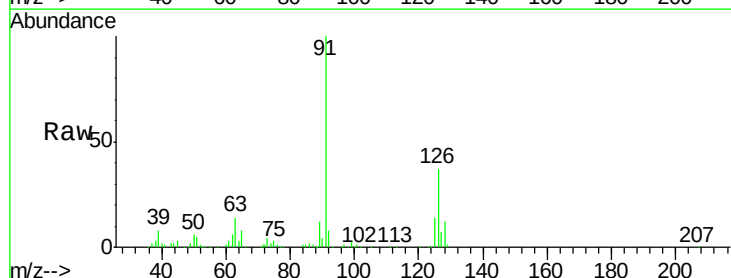
Acq: 09 Jan 2020 12:00

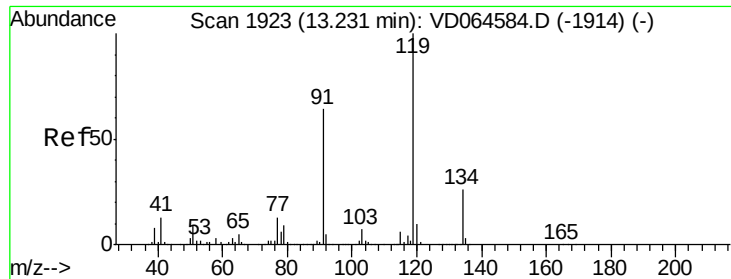
Tgt Ion: 91 Resp: 266804

Ion Ratio Lower Upper

91 100

126 35.3 17.8 53.5





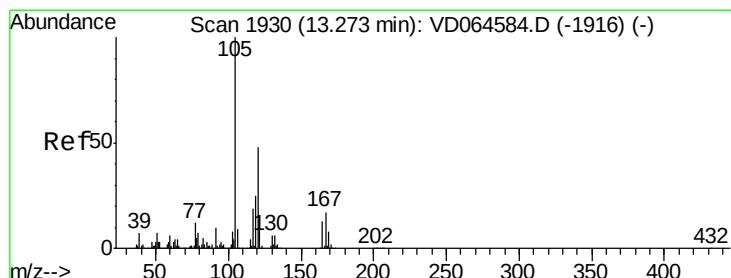
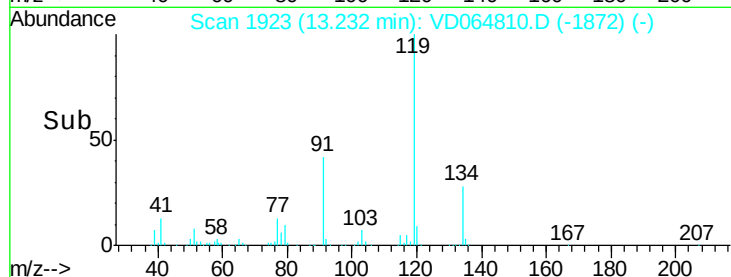
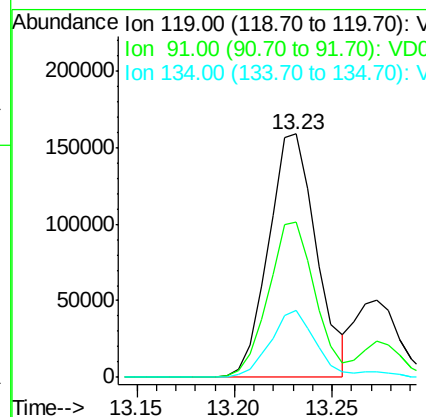
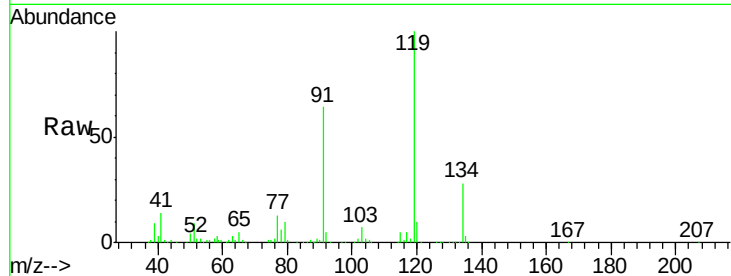
#83
 tert-Butylbenzene
 Concen: 20.873 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD064810.D
 Acq: 09 Jan 2020 12:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0109SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.2	30.8	92.4
134	27.6	12.8	38.3

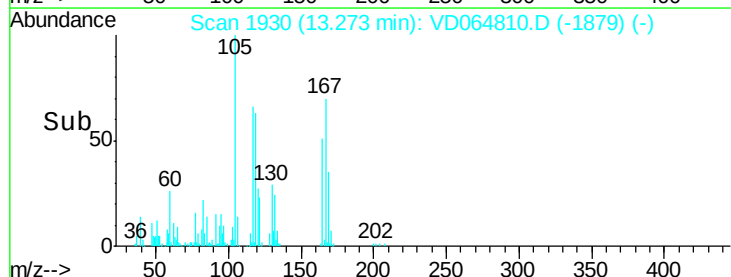
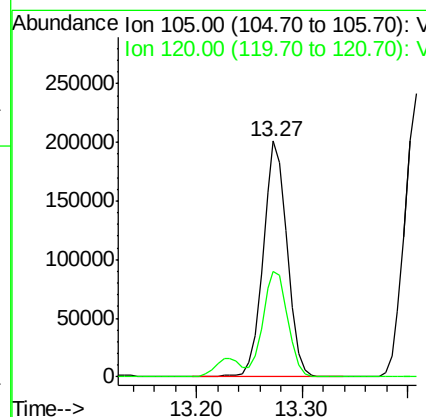
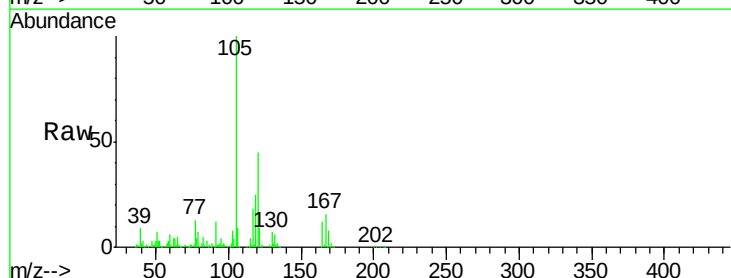
Manual Integrations
 APPROVED

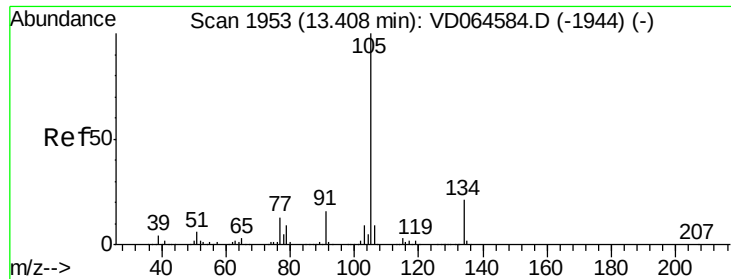
MMDadoda
 1/10/2020 10:41:58 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 21.346 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD064810.D
 Acq: 09 Jan 2020 12:00

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.8	23.8	71.2





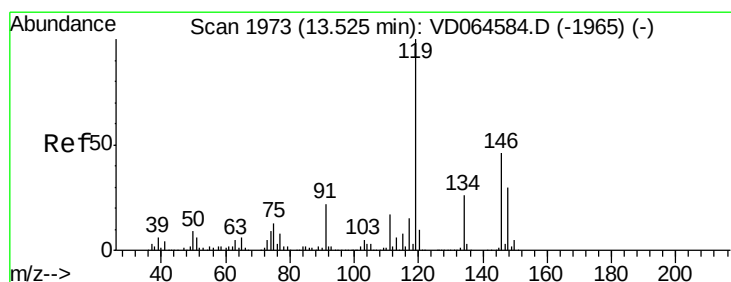
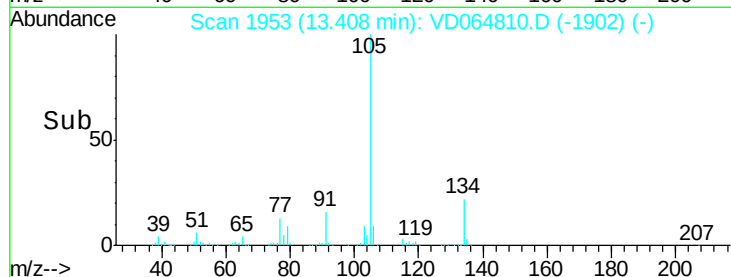
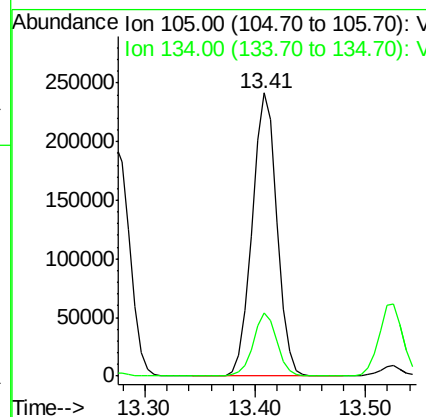
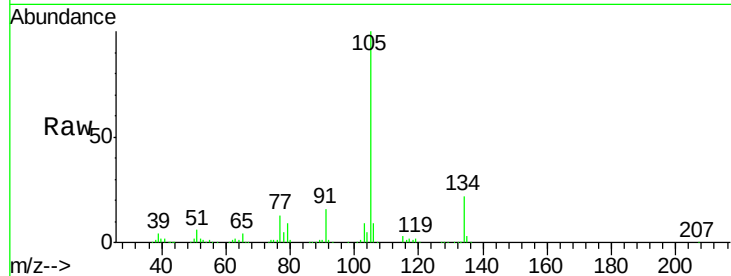
#85
 sec-Butylbenzene
 Concen: 21.472 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD064810.D
 Acq: 09 Jan 2020 12:00

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0109SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.2	10.6	31.8

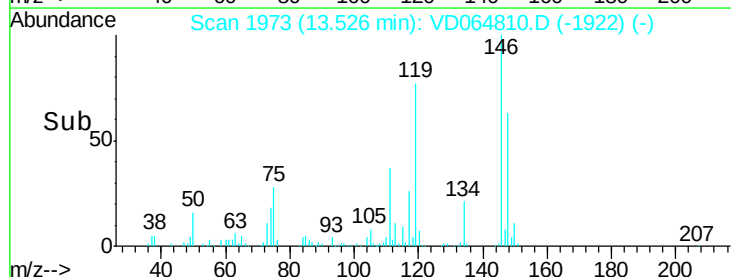
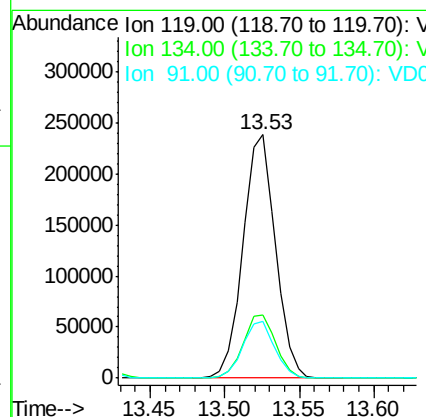
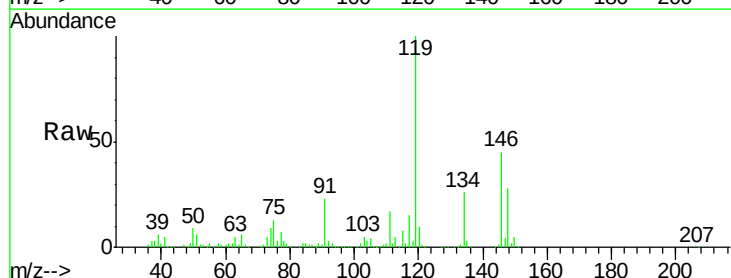
Manual Integrations
 APPROVED

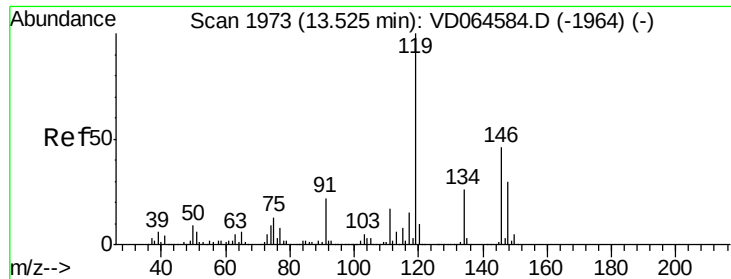
MMDadoda
 1/10/2020 10:41:58 AM



#86
 p-Isopropyltoluene
 Concen: 21.115 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064810.D
 Acq: 09 Jan 2020 12:00

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.4	40.1
91	23.1	11.2	33.6





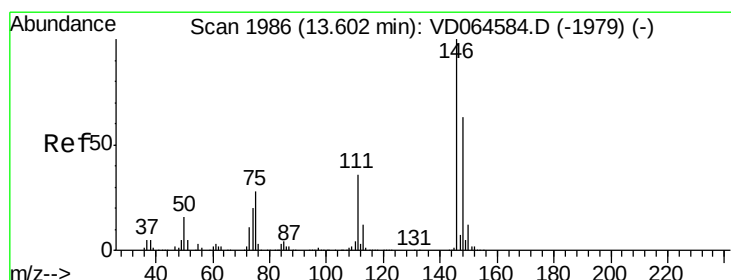
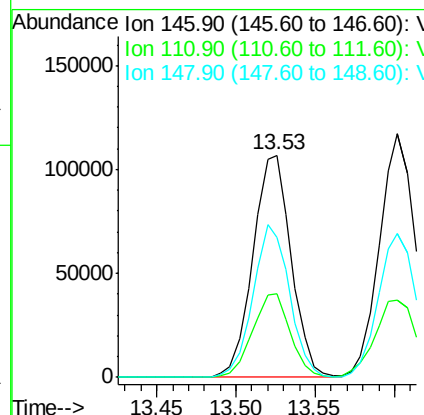
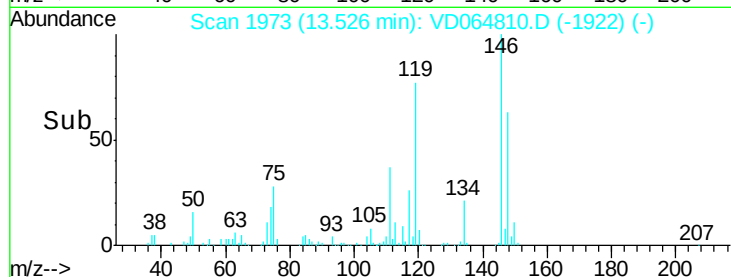
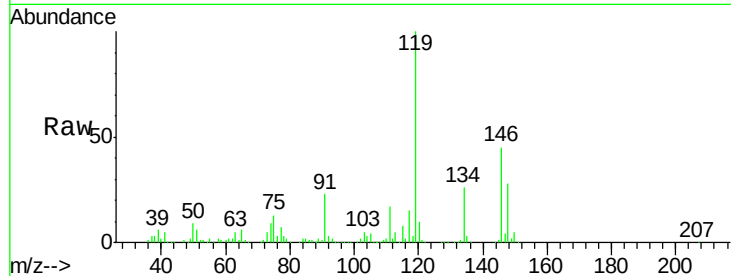
#87
 1,3-Dichlorobenzene
 Concen: 21.074 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064810.D
 Acq: 09 Jan 2020 12:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0109SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.8	56.4
148	65.3	32.5	97.5

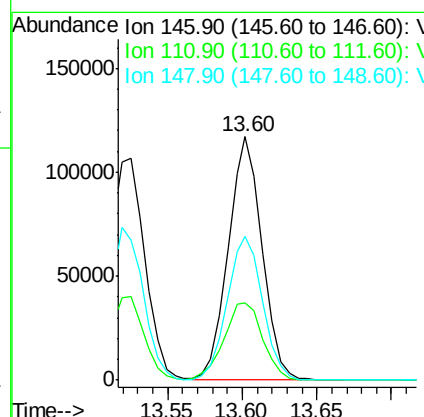
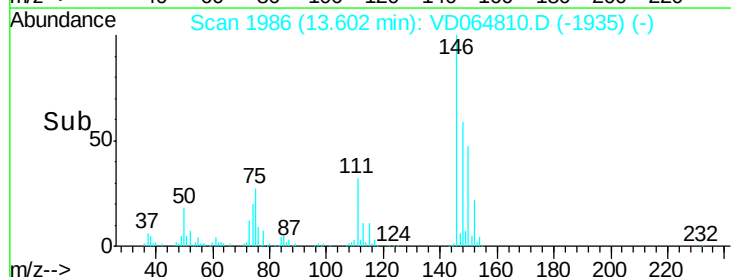
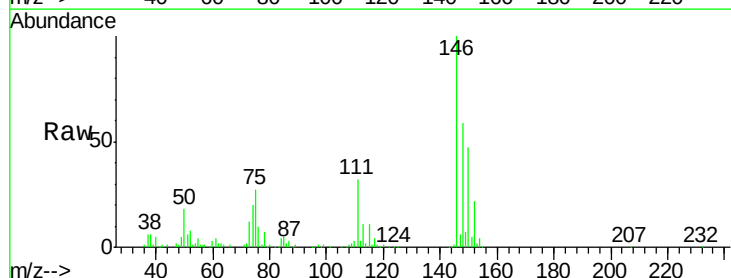
Manual Integrations
 APPROVED

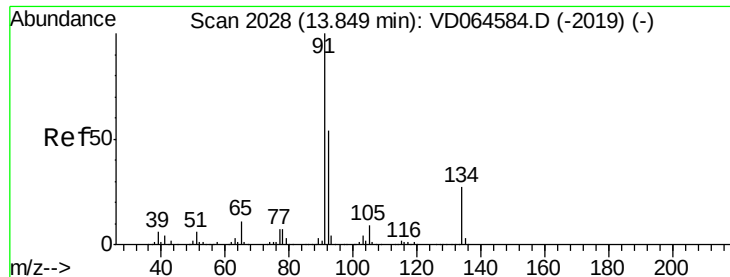
MMDadoda
 1/10/2020 10:41:58 AM



#88
 1,4-Dichlorobenzene
 Concen: 22.187 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064810.D
 Acq: 09 Jan 2020 12:00

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.5	18.1	54.1
148	61.8	32.3	96.9





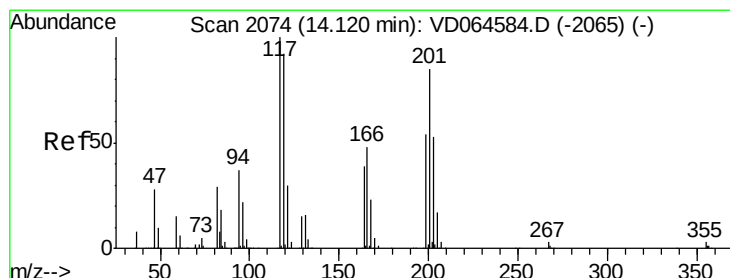
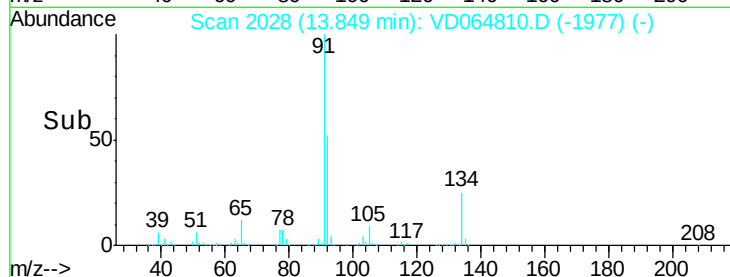
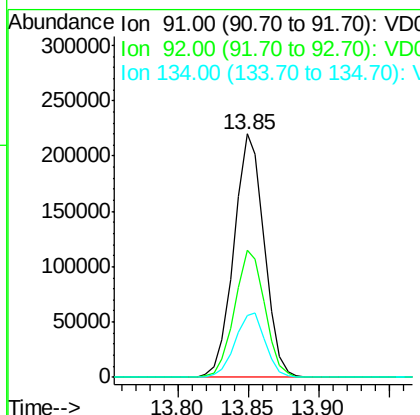
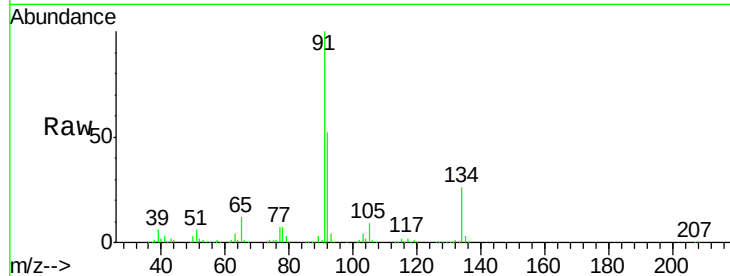
#89
n-Butylbenzene
Concen: 21.502 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064810.D
Acq: 09 Jan 2020 12:00

Instrument :
MSVOA_D
ClientSampleId :
VD0109SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	52.1	26.8	80.4	
134	26.6	14.0	41.9	

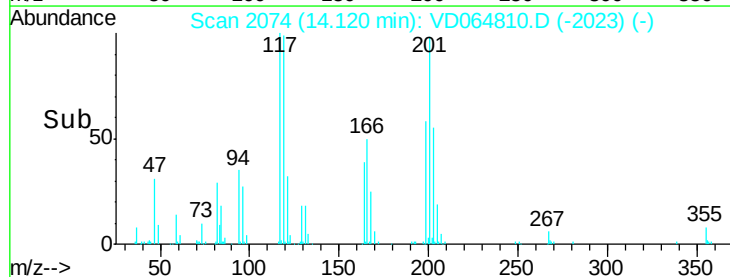
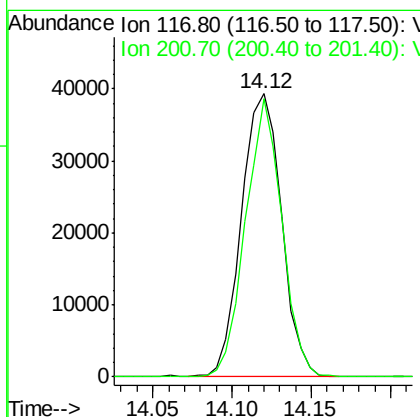
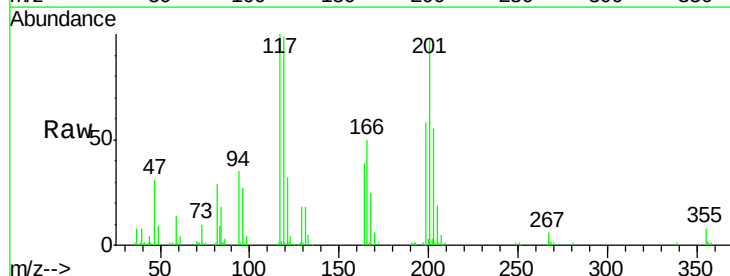
Manual Integrations
APPROVED

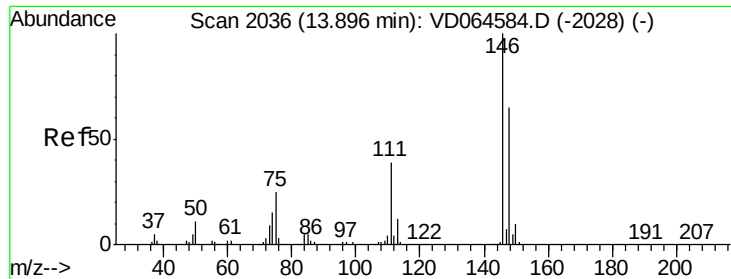
MMDadoda
1/10/2020 10:41:58 AM



#90
Hexachloroethane
Concen: 21.354 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064810.D
Acq: 09 Jan 2020 12:00

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	89.1	44.0	131.8	





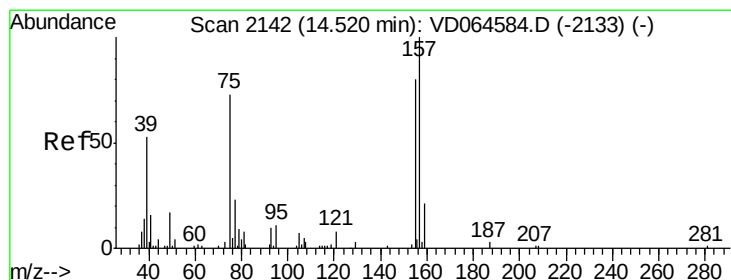
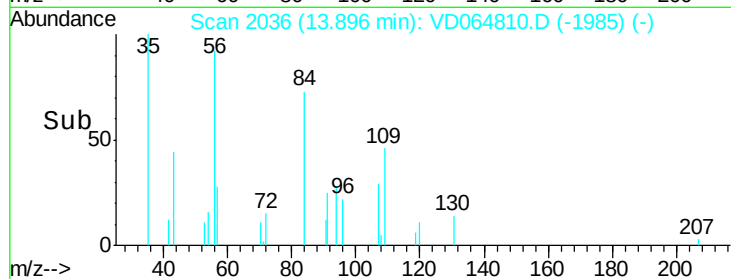
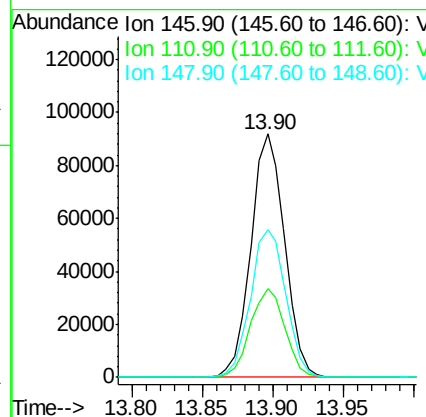
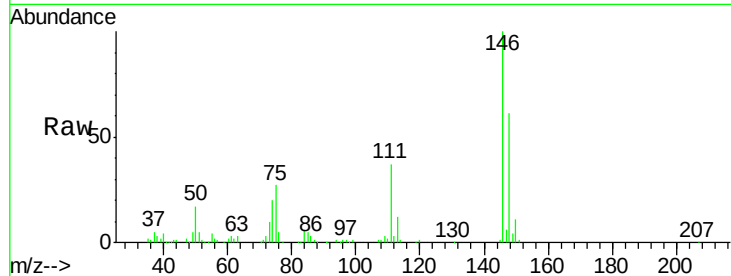
#91
 1,2-Dichlorobenzene
 Concen: 21.284 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064810.D
 Acq: 09 Jan 2020 12:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0109SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	19.3	57.9
148	63.4	31.9	95.5

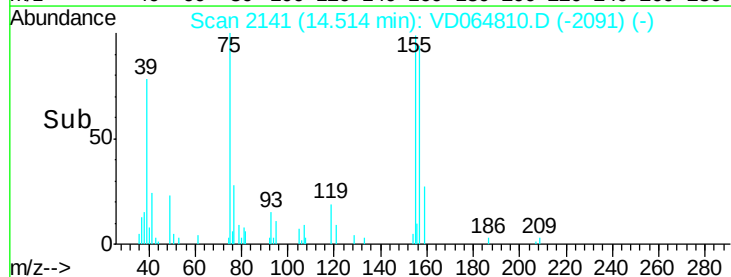
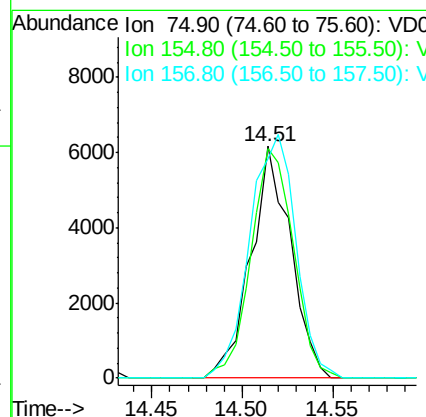
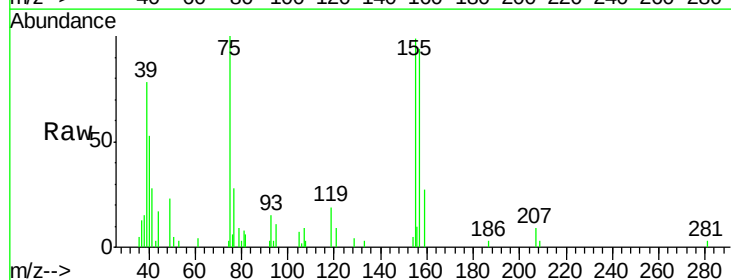
Manual Integrations
 APPROVED

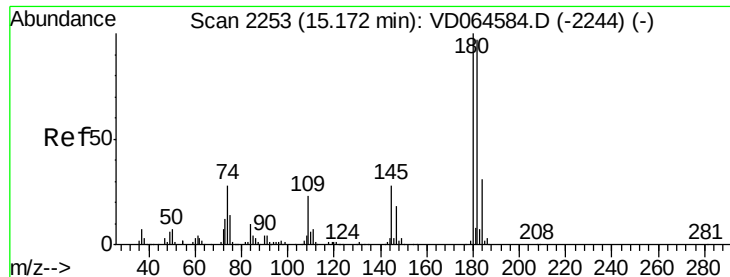
MMDadoda
 1/10/2020 10:41:58 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.436 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD064810.D
 Acq: 09 Jan 2020 12:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	105.4	48.0	144.0
157	121.4	64.1	192.3





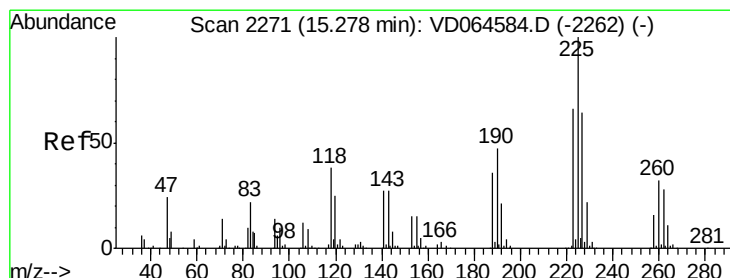
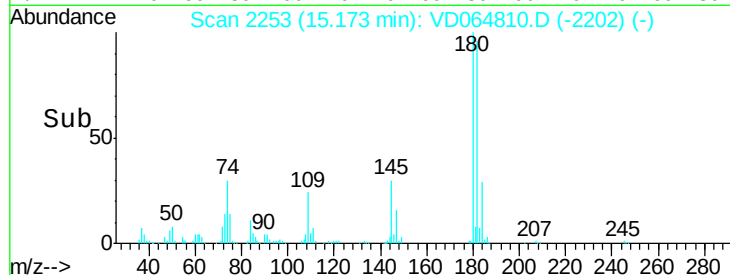
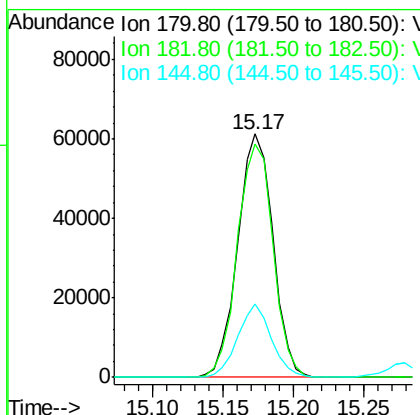
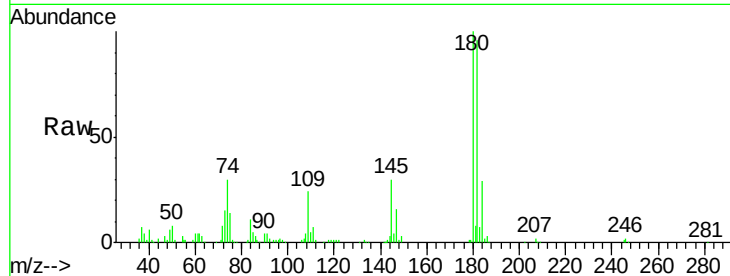
#93
 1,2,4-Trichlorobenzene
 Concen: 20.063 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064810.D
 Acq: 09 Jan 2020 12:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0109SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	107054		
182	97.0	48.0	144.2	
145	28.4	13.8	41.4	

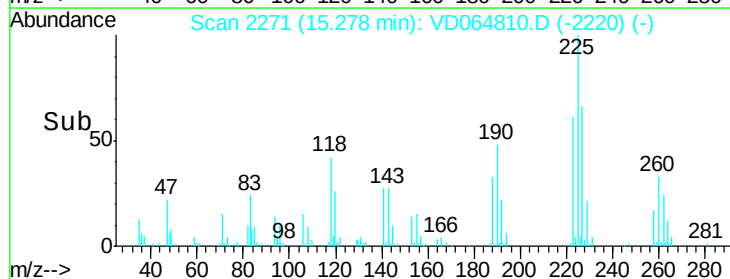
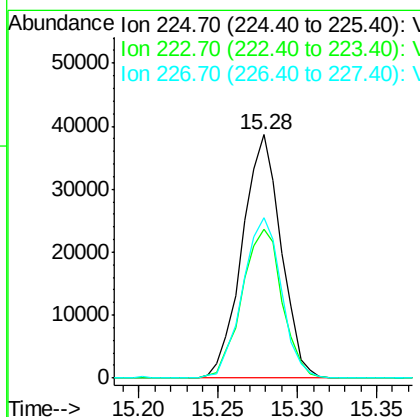
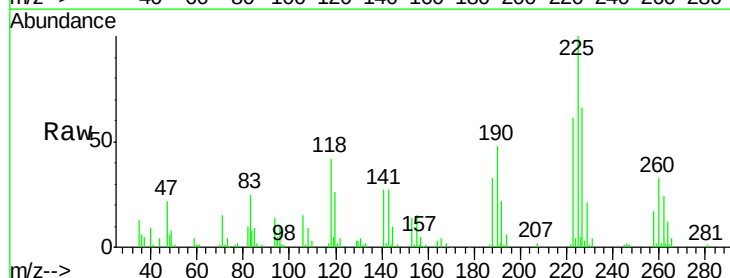
Manual Integrations
 APPROVED

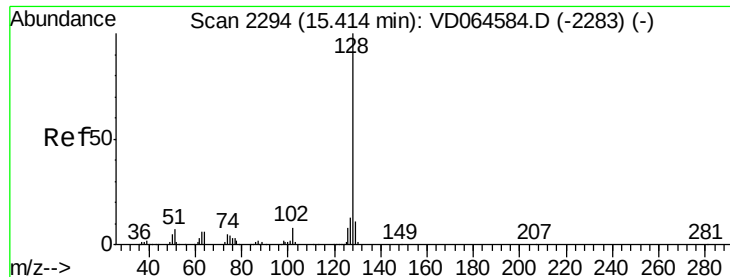
MMDadoda
 1/10/2020 10:41:58 AM



#94
 Hexachlorobutadiene
 Concen: 19.561 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064810.D
 Acq: 09 Jan 2020 12:00

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	65680		
223	63.4	31.1	93.2	
227	65.7	30.9	92.7	





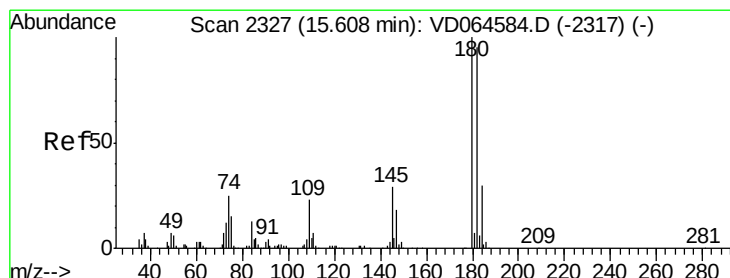
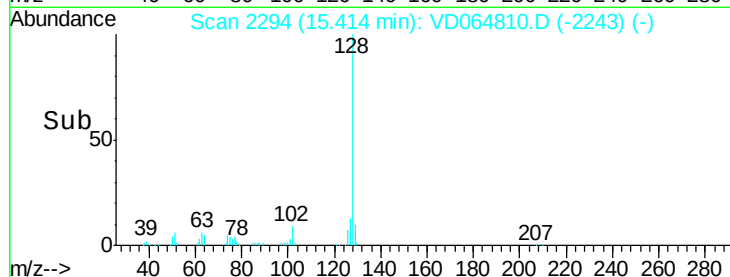
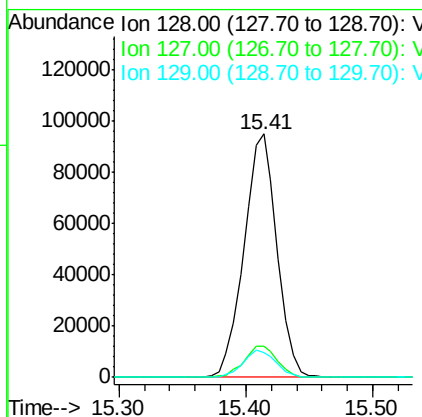
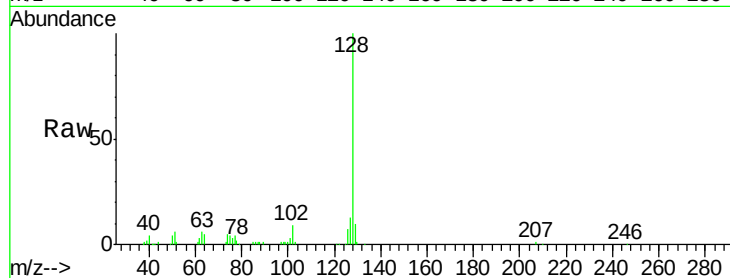
#95
Naphthalene
Concen: 20.194 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064810.D
Acq: 09 Jan 2020 12:00

Instrument :
MSVOA_D
ClientSampleId :
VD0109SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	170463		
127	13.2		10.3	15.5
129	11.2		8.5	12.7

Manual Integrations
APPROVED

MMDadoda
1/10/2020 10:41:58 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.173 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD064810.D
Acq: 09 Jan 2020 12:00

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	91894		
182	95.2		47.9	143.7
145	30.4		14.9	44.7

