

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD123119\
 Data File : VD064687.D
 Acq On : 31 Dec 2019 11:25
 Operator : VA/SY
 Sample : VD1231SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1231SBS01

Manual Integrations
 APPROVED

apatel
 1/2/2020 10:42:58 AM

Quant Time: Jan 01 01:13:35 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	7.99	168	364943	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	537009	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	467392	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	228164	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	178121	55.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.70%	
35) Dibromofluoromethane	7.92	113	181662	55.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.28%	
50) Toluene-d8	10.34	98	703054	55.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.44%	
62) 4-Bromofluorobenzene	12.64	95	217079	54.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	50336	17.748	ug/l	89
3) Chloromethane	2.21	50	72685	18.325	ug/l	99
4) Vinyl Chloride	2.35	62	86820	17.952	ug/l	97
5) Bromomethane	2.76	94	64272	18.278	ug/l	99
6) Chloroethane	2.92	64	59429	18.339	ug/l	92
7) Trichlorofluoromethane	3.27	101	145489	17.866	ug/l	97
8) Diethyl Ether	3.71	74	27379	16.931	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.08	101	60786	18.024	ug/l	99
10) Methyl Iodide	4.29	142	59383	16.393	ug/l	99
11) Tert butyl alcohol	5.24	59	14410	78.134	ug/l #	88
12) 1,1-Dichloroethene	4.06	96	57149	17.799	ug/l	93
13) Acrolein	3.93	56	24337	94.687	ug/l	94
14) Allyl chloride	4.70	41	90125	18.004	ug/l	99
15) Acrylonitrile	5.42	53	54204	80.474	ug/l	96
16) Acetone	4.16	43	54740	77.418	ug/l	97
17) Carbon Disulfide	4.40	76	178424	17.186	ug/l	99
18) Methyl Acetate	4.73	43	30151	16.642	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	119660	16.779	ug/l	96
20) Methylene Chloride	4.96	84	66421	16.951	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	64129	17.538	ug/l	92
22) Diisopropyl ether	6.37	45	176495	17.677	ug/l	92
23) Vinyl Acetate	6.31	43	463911	81.906	ug/l	98
24) 1,1-Dichloroethane	6.27	63	109469	18.263	ug/l	99
25) 2-Butanone	7.22	43	72507	81.970	ug/l	100
26) 2,2-Dichloropropane	7.21	77	99018	17.767	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	70856	17.955	ug/l	98
28) Bromochloromethane	7.54	49	49499	21.243	ug/l	95
29) Tetrahydrofuran	7.57	42	45101	81.989	ug/l	97
30) Chloroform	7.71	83	114385	18.188	ug/l	99
31) Cyclohexane	7.99	56	103808	17.301	ug/l #	88
32) 1,1,1-Trichloroethane	7.90	97	106757	18.073	ug/l	100
36) 1,1-Dichloropropene	8.11	75	90618	17.532	ug/l	99
37) Ethyl Acetate	7.30	43	32879	16.192	ug/l	99
38) Carbon Tetrachloride	8.09	117	99389	18.033	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD123119\
 Data File : VD064687.D
 Acq On : 31 Dec 2019 11:25
 Operator : VA/SY
 Sample : VD1231SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VD1231SBS01

Manual Integrations
 APPROVED

apatel
 1/2/2020 10:42:58 AM

Quant Time: Jan 01 01:13:35 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	9.36	83	106318	16.983	ug/l	99
40) Benzene	8.36	78	245347	17.388	ug/l	97
41) Methacrylonitrile	7.53	41	21117	17.924	ug/l	95
42) 1,2-Dichloroethane	8.43	62	71607	17.562	ug/l	100
43) Isopropyl Acetate	8.46	43	63901	15.811	ug/l	98
44) Trichloroethene	9.11	130	71047	17.140	ug/l	99
45) 1,2-Dichloropropane	9.39	63	59198	17.572	ug/l	95
46) Dibromomethane	9.48	93	31449	16.743	ug/l	97
47) Bromodichloromethane	9.66	83	87334	17.473	ug/l	100
48) Methyl methacrylate	9.46	41	32637	17.150	ug/l	97
49) 1,4-Dioxane	9.47	88	6341	292.778	ug/l #	91
51) 4-Methyl-2-Pentanone	10.23	43	157402	78.793	ug/l	99
52) Toluene	10.40	92	162185	17.520	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	79975	17.163	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	94112	17.128	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	41874	16.542	ug/l	94
56) Ethyl methacrylate	10.66	69	49421	15.633	ug/l	98
57) 1,3-Dichloropropane	10.95	76	69838	16.024	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.94	63	97564	81.004	ug/l	99
59) 2-Hexanone	10.99	43	105267	77.638	ug/l	100
60) Dibromochloromethane	11.14	129	58765	16.788	ug/l	99
61) 1,2-Dibromoethane	11.25	107	40924	16.391	ug/l	98
64) Tetrachloroethene	10.88	164	63547	17.722	ug/l	97
65) Chlorobenzene	11.67	112	170941	17.622	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	63418	17.342	ug/l	96
67) Ethyl Benzene	11.75	91	302432	17.177	ug/l	98
68) m/p-Xylenes	11.86	106	232336	34.187	ug/l	98
69) o-Xylene	12.18	106	105027	17.110	ug/l	98
70) Styrene	12.20	104	180313	16.735	ug/l	98
71) Bromoform	12.36	173	35087	16.824	ug/l #	98
73) Isopropylbenzene	12.48	105	291228	17.861	ug/l	100
74) N-amyl acetate	12.30	43	56918	16.330	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	43676	17.052	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	32587m	18.087	ug/l	
77) Bromobenzene	12.77	156	70351	17.560	ug/l	99
78) n-propylbenzene	12.83	91	339328	17.839	ug/l	100
79) 2-Chlorotoluene	12.91	91	185732	17.774	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	238215	17.785	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	14715	17.081	ug/l	99
82) 4-Chlorotoluene	13.01	91	197408	17.752	ug/l	100
83) tert-Butylbenzene	13.23	119	204069	17.548	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	234869	17.607	ug/l	97
85) sec-Butylbenzene	13.41	105	284419	17.840	ug/l	100
86) p-Isopropyltoluene	13.53	119	264186	17.330	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	132113	17.298	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	131539	17.532	ug/l	99
89) n-Butylbenzene	13.86	91	245339	17.871	ug/l	99
90) Hexachloroethane	14.12	117	52176	17.917	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	112527	17.278	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	7182	17.297	ug/l	90

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD123119\
Data File : VD064687.D
Acq On : 31 Dec 2019 11:25
Operator : VA/SY
Sample : VD1231SBSD01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1231SBSD01

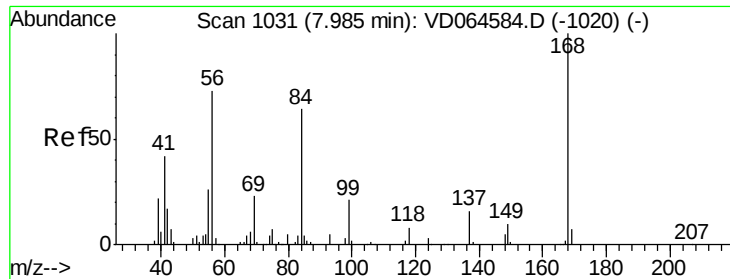
Manual Integrations
APPROVED

apatel
1/2/2020 10:42:58 AM

Quant Time: Jan 01 01:13:35 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	82107	17.122	ug/l	98
94) Hexachlorobutadiene	15.28	225	52211	17.303	ug/l	98
95) Naphthalene	15.41	128	118036	15.559	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	67845	16.573	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064687.D

Acq: 31 Dec 2019 11:25

Instrument :

MSVOA_D

ClientSampleId :

VD1231SBS01

Tot Ion:168 Resp: 364943

Ion Ratio Lower Upper

168 100

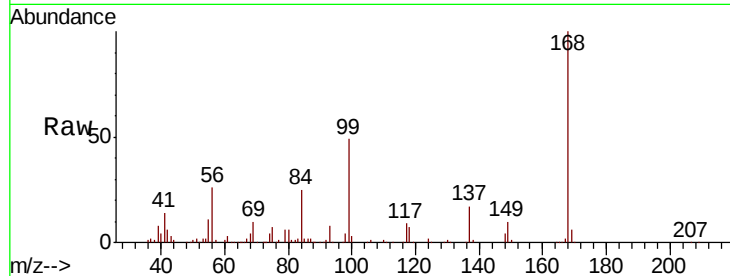
99 48.4 41.8 62.6

Manual Integrations

APPROVED

apatel

1/2/2020 10:42:58 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

150000

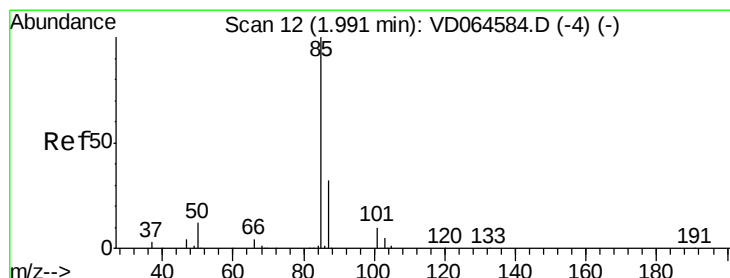
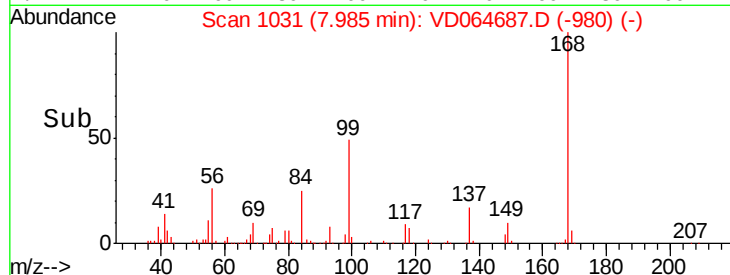
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 17.748 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064687.D

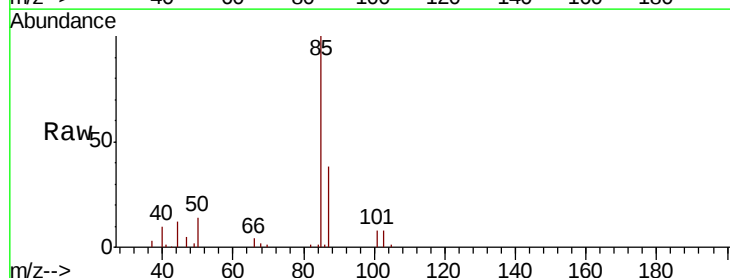
Acq: 31 Dec 2019 11:25

Tgt Ion: 85 Resp: 50336

Ion Ratio Lower Upper

85 100

87 38.3 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

40000

30000

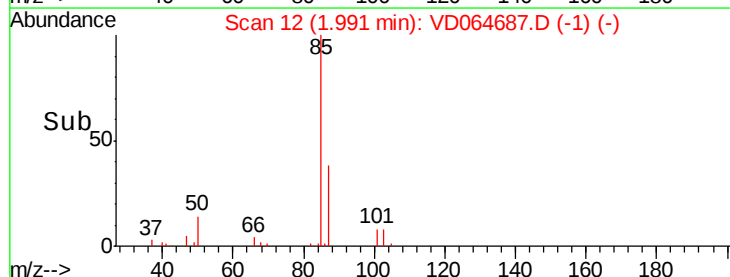
20000

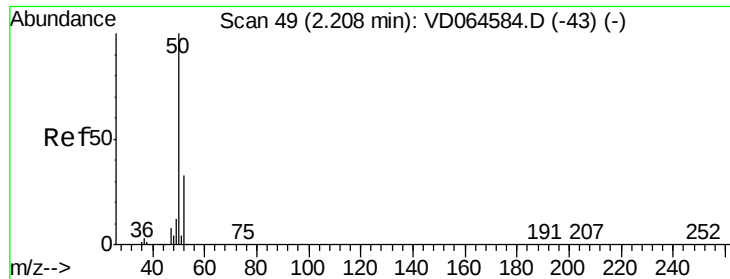
10000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 18.325 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064687.D

Acq: 31 Dec 2019 11:25

Instrument :

MSVOA_D

ClientSampleId :

VD1231SBS01

Tot Ion: 50 Resp: 72685

Ion Ratio Lower Upper

50 100

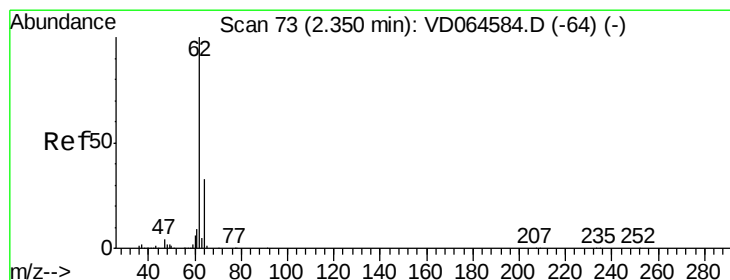
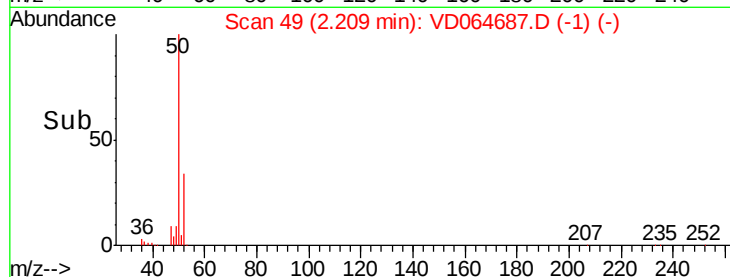
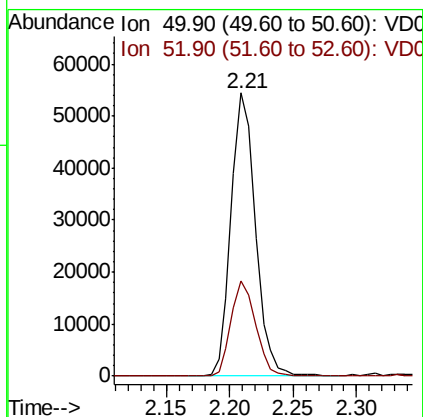
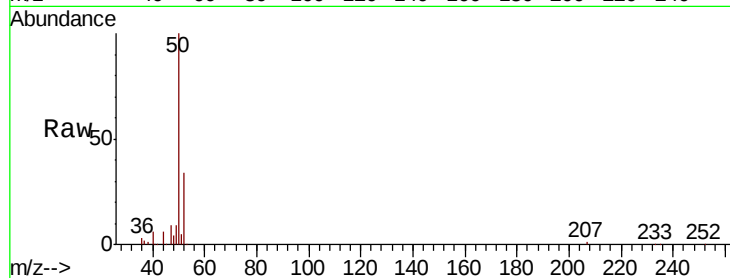
52 33.5 26.5 39.7

Manual Integrations

APPROVED

apatel

1/2/2020 10:42:58 AM



#4

Vinyl Chloride

Concen: 17.952 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064687.D

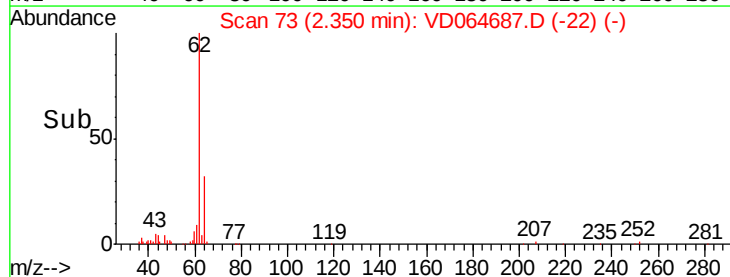
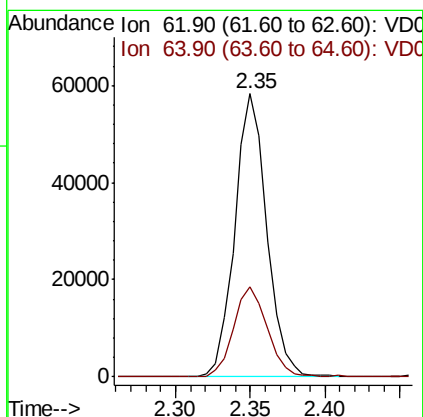
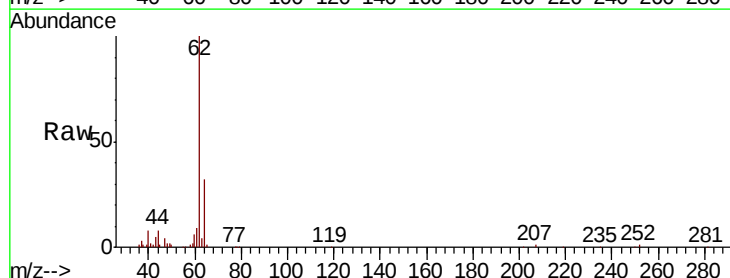
Acq: 31 Dec 2019 11:25

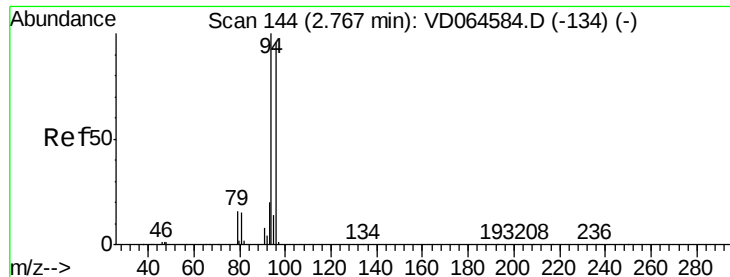
Tgt Ion: 62 Resp: 86820

Ion Ratio Lower Upper

62 100

64 31.7 26.6 40.0





#5

Bromomethane

Concen: 18.278 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD064687.D

Acq: 31 Dec 2019 11:25

Instrument :

MSVOA_D

ClientSampleId :

VD1231SBS01

Tot Ion: 94 Resp: 64272

Ion Ratio Lower Upper

94 100

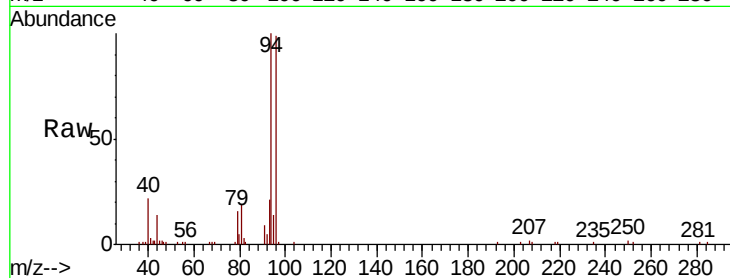
96 97.5 77.2 115.8

Manual Integrations

APPROVED

apatel

1/2/2020 10:42:58 AM



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.76

25000

20000

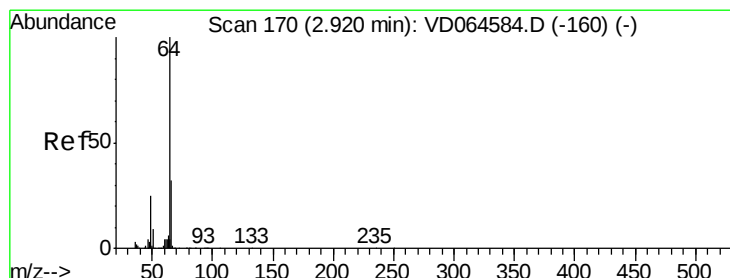
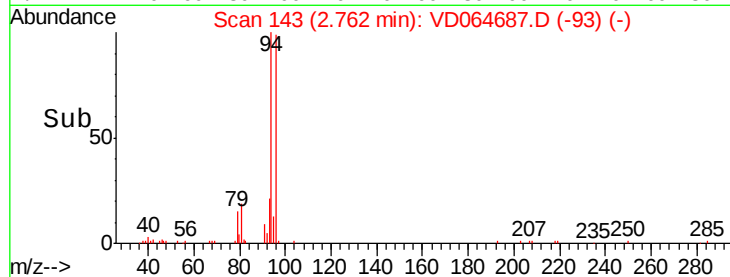
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 18.339 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064687.D

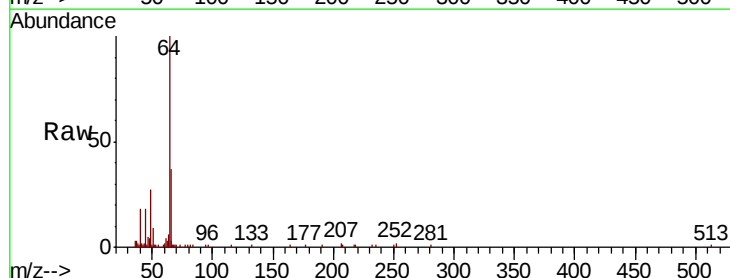
Acq: 31 Dec 2019 11:25

Tgt Ion: 64 Resp: 59429

Ion Ratio Lower Upper

64 100

66 36.7 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

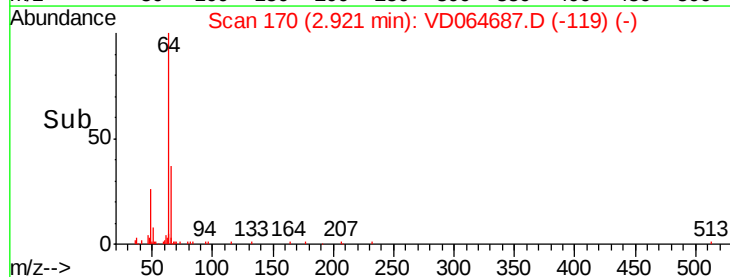
30000

20000

10000

0

Time-->





#7

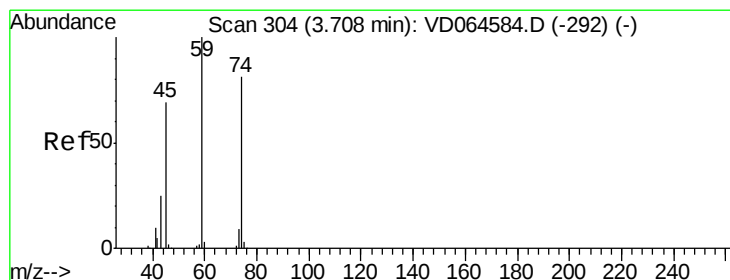
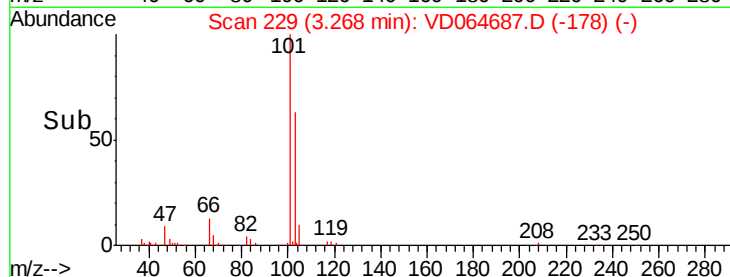
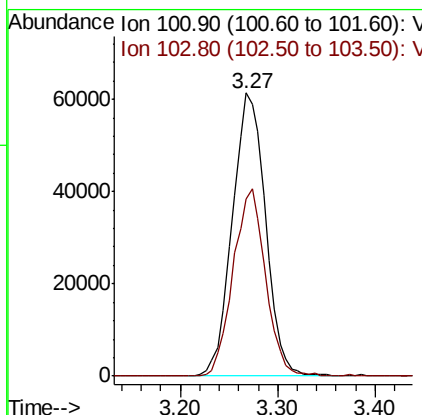
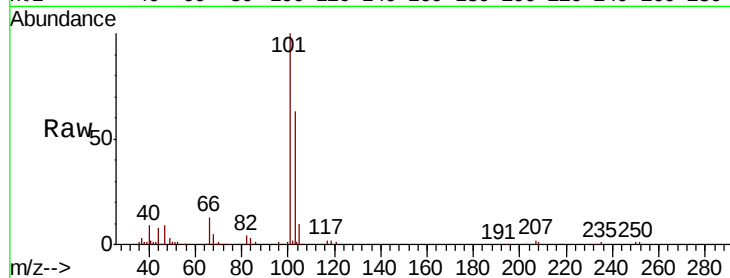
Trichlorofluoromethane
 Concen: 17.866 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VD064687.D
 Acq: 31 Dec 2019 11:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1231SBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.5	52.2	78.4

Manual Integrations
 APPROVED

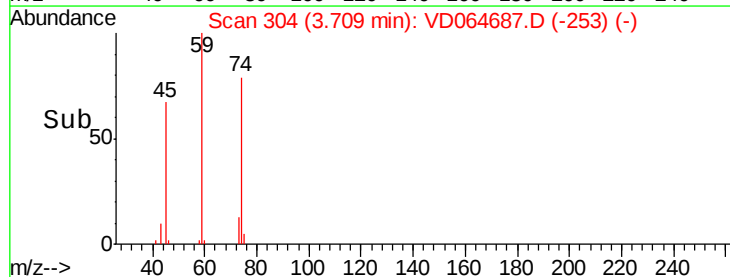
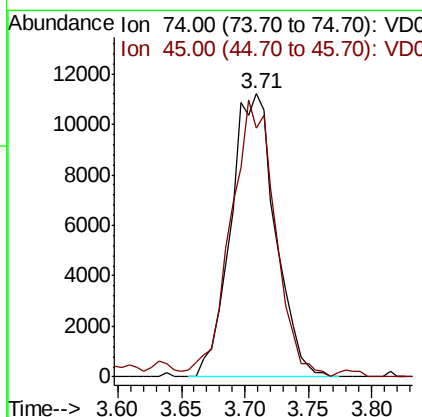
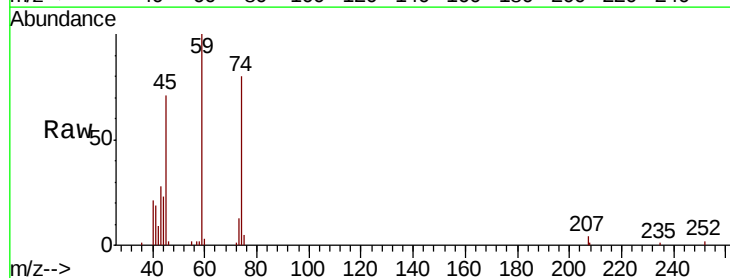
apatel
 1/2/2020 10:42:58 AM



#8

Diethyl Ether
 Concen: 16.931 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD064687.D
 Acq: 31 Dec 2019 11:25

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.8	47.5	142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.024 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD064687.D

Acq: 31 Dec 2019 11:25

Instrument :

MSVOA_D

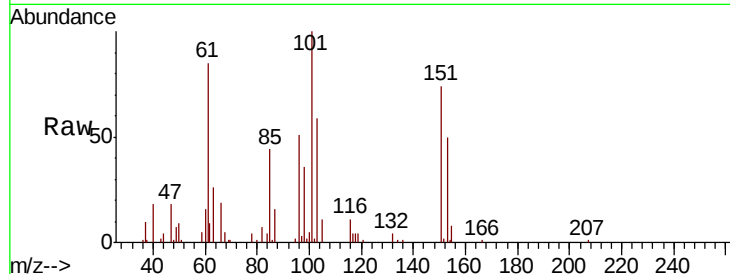
ClientSampleId :

VD1231SBS01

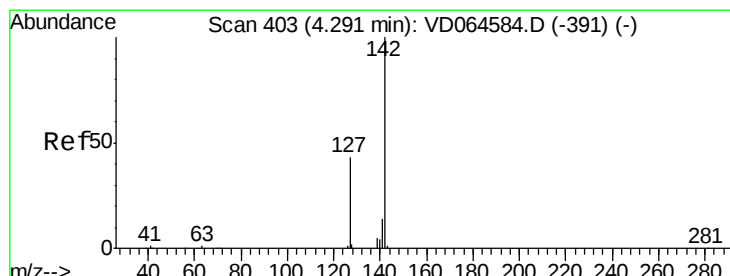
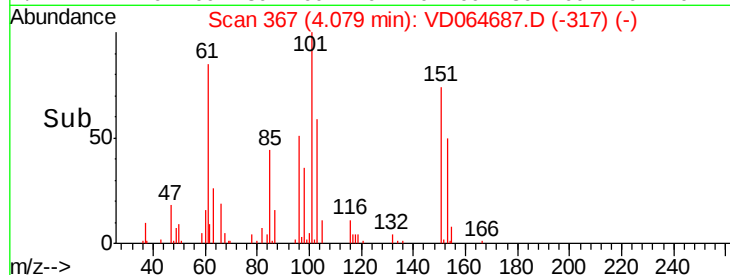
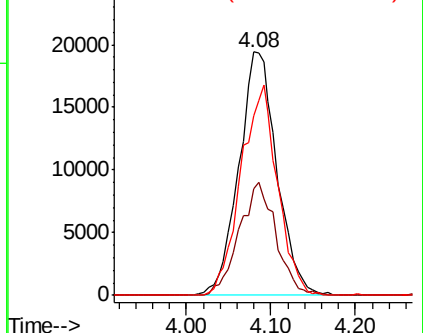
Tot Ion:	101	Resp:	60786
Ion Ratio	Lower	Upper	
101	100		
85	45.0	35.2	52.8
151	83.3	66.2	99.4

Manual Integrations
APPROVED

apatel
1/2/2020 10:42:58 AM



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



#10

Methyl Iodide

Concen: 16.393 ug/l

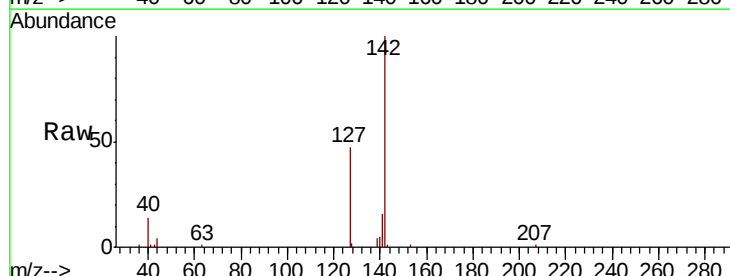
RT: 4.29 min Scan# 403

Delta R.T. 0.00 min

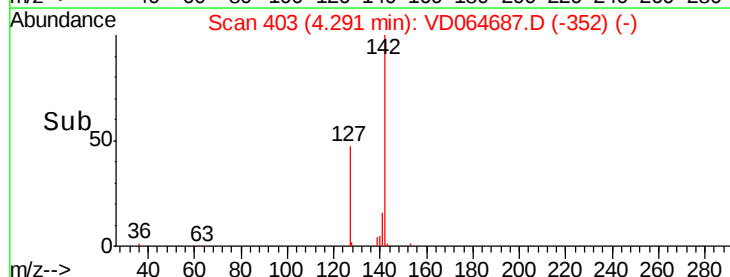
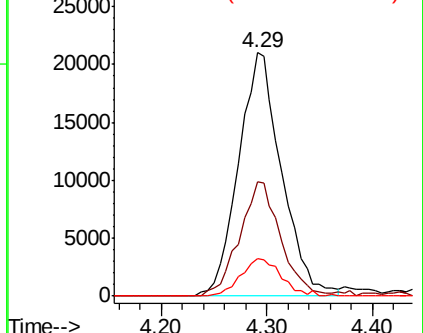
Lab File: VD064687.D

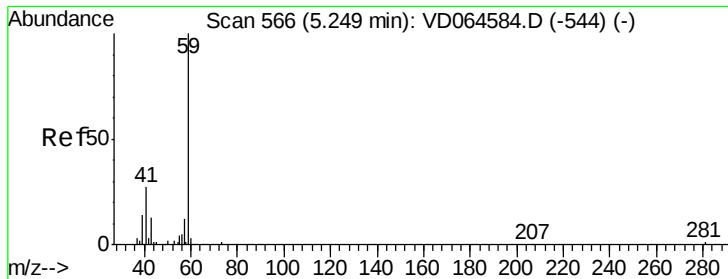
Acq: 31 Dec 2019 11:25

Tgt Ion:	142	Resp:	59383
Ion Ratio	Lower	Upper	
142	100		
127	44.6	36.2	54.4
141	14.5	11.8	17.8



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





#11

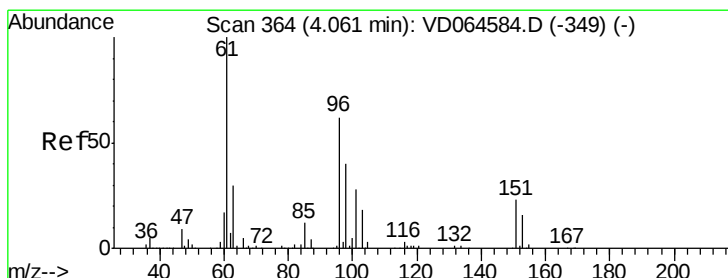
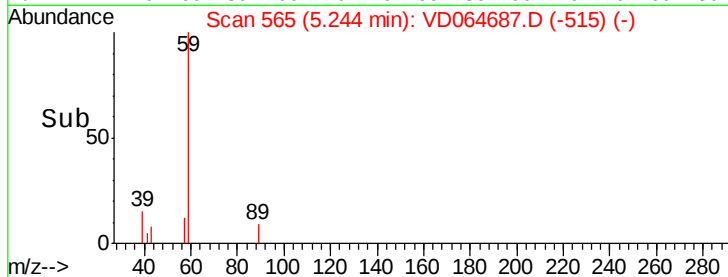
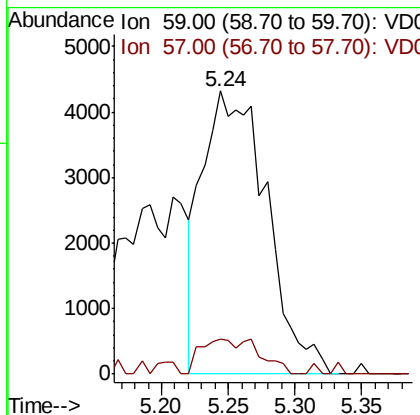
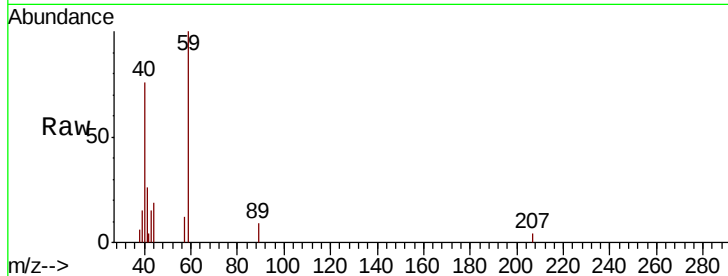
Tert butyl alcohol
Concen: 78.134 ug/l
RT: 5.24 min Scan# 565
Delta R.T. -0.01 min
Lab File: VD064687.D
Acq: 31 Dec 2019 11:25

Instrument :
MSVOA_D
ClientSampleID :
VD1231SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	6.8	9.3	13.9#

Manual Integrations
APPROVED

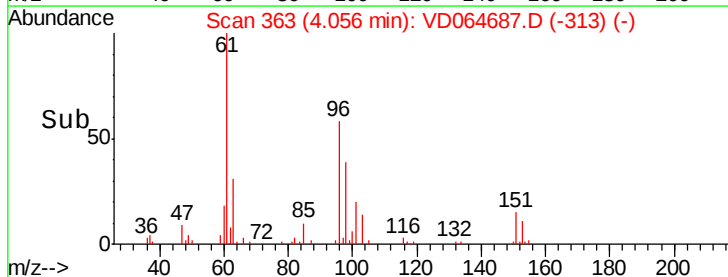
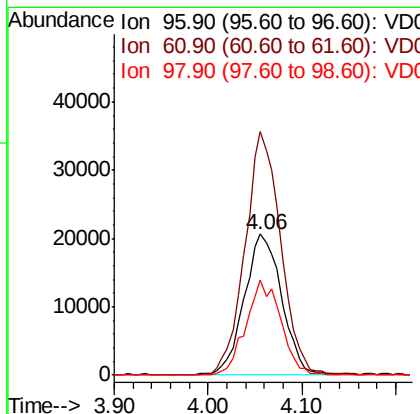
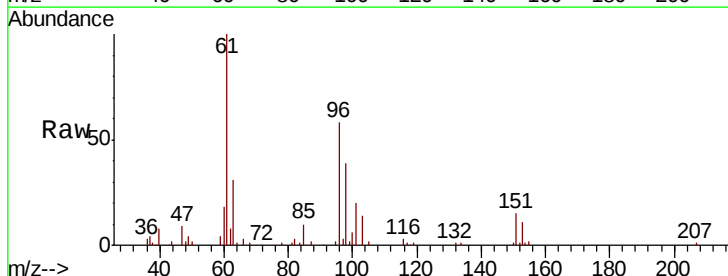
apatel
1/2/2020 10:42:58 AM

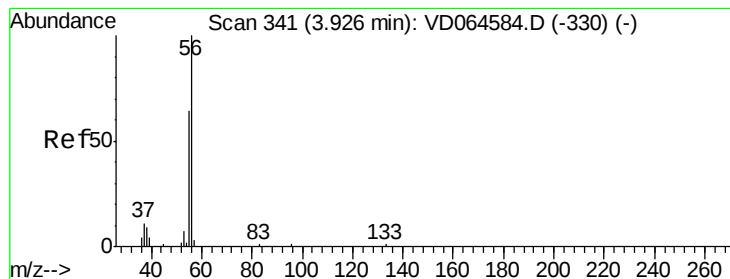


#12

1,1-Dichloroethene
Concen: 17.799 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064687.D
Acq: 31 Dec 2019 11:25

Tgt Ion	Ratio	Lower	Upper
96	100		
61	173.1	129.4	194.0
98	67.6	51.4	77.0





#13

Acrolein

Concen: 94.687 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD064687.D

Acq: 31 Dec 2019 11:25

Instrument :

MSVOA_D

ClientSampleId :

VD1231SBSD01

Tot Ion: 56 Resp: 24337

Ion Ratio Lower Upper

56 100

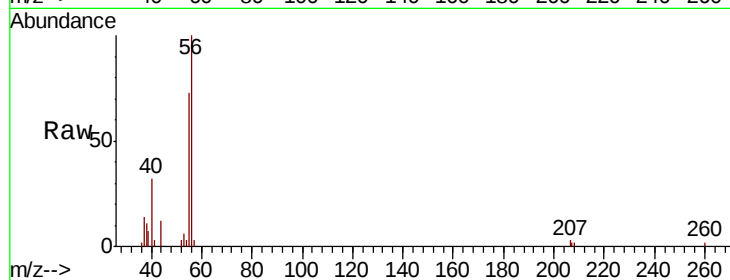
55 65.8 56.7 85.1

Manual Integrations

APPROVED

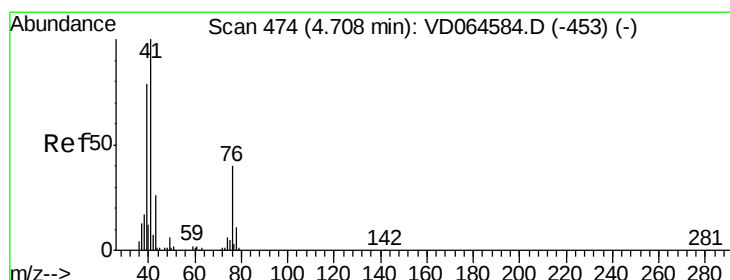
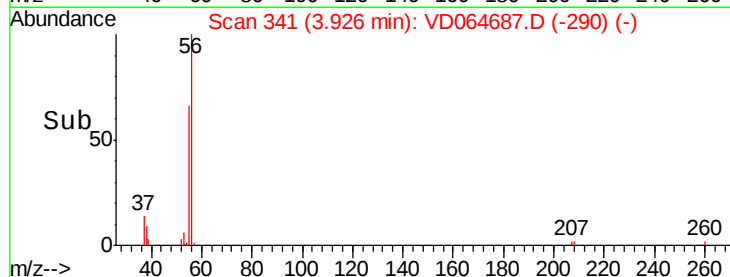
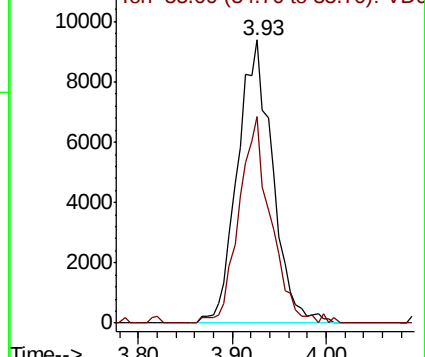
apatel

1/2/2020 10:42:58 AM



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 18.004 ug/l

RT: 4.70 min Scan# 473

Delta R.T. -0.01 min

Lab File: VD064687.D

Acq: 31 Dec 2019 11:25

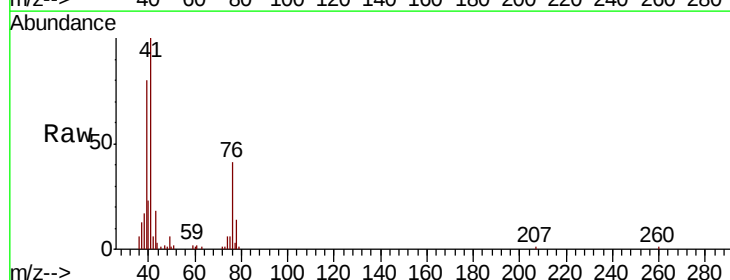
Tgt Ion: 41 Resp: 90125

Ion Ratio Lower Upper

41 100

39 78.4 62.3 93.5

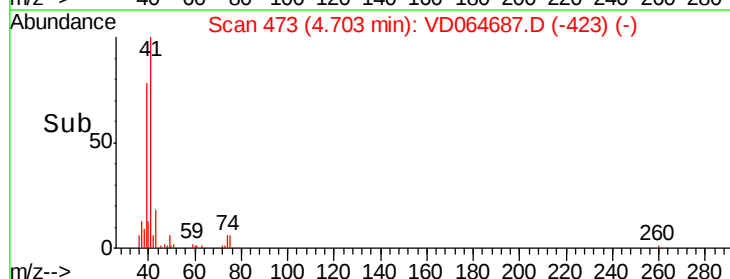
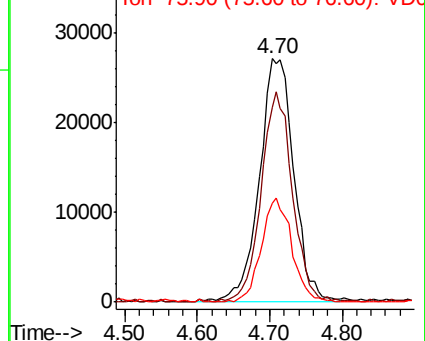
76 37.6 29.7 44.5

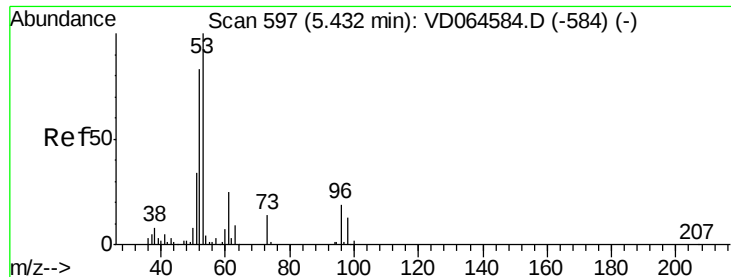


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 80.474 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD064687.D

Acq: 31 Dec 2019 11:25

Instrument :

MSVOA_D

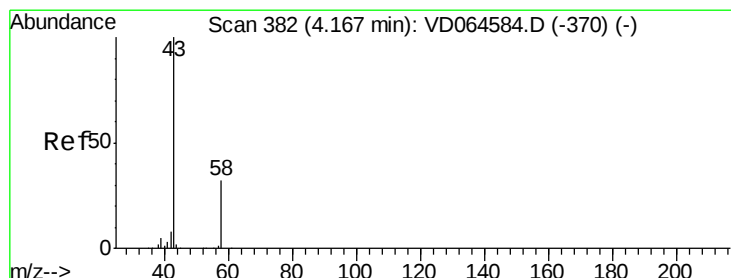
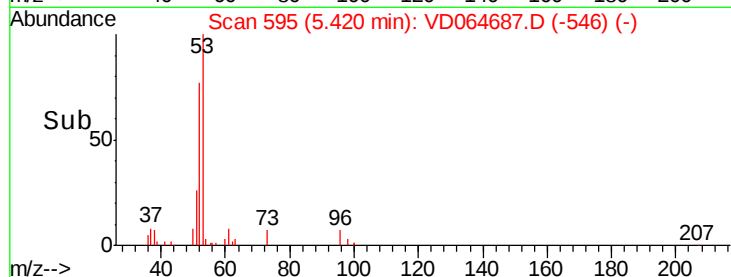
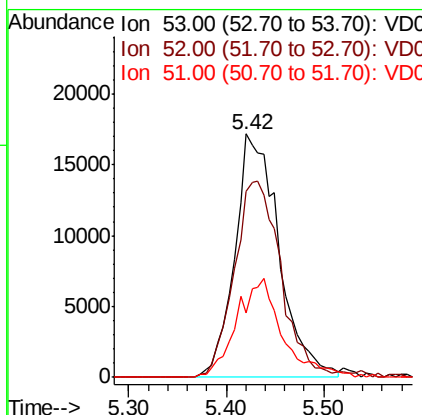
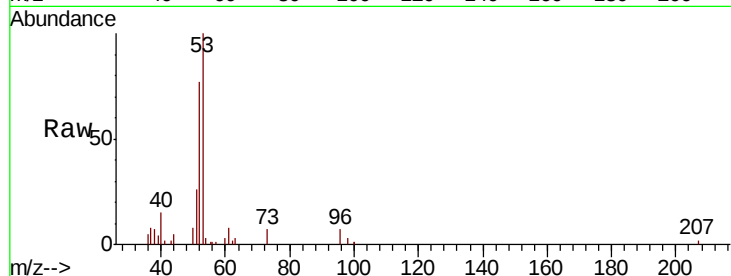
ClientSampleId :

VD1231SBS01

Tot Ion:	53	Resp:	54204
Ion Ratio	Lower	Upper	
53	100		
52	84.7	66.2	99.2
51	42.0	30.1	45.1

Manual Integrations
APPROVED

apatel
1/2/2020 10:42:58 AM



#16

Acetone

Concen: 77.418 ug/l

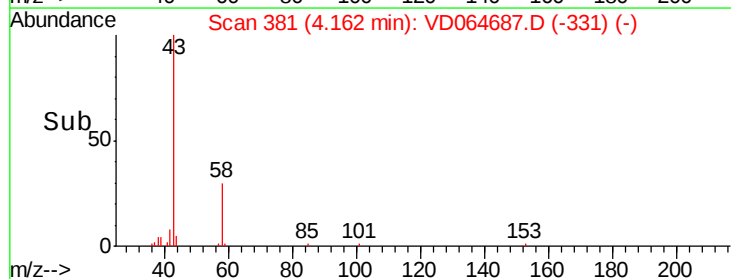
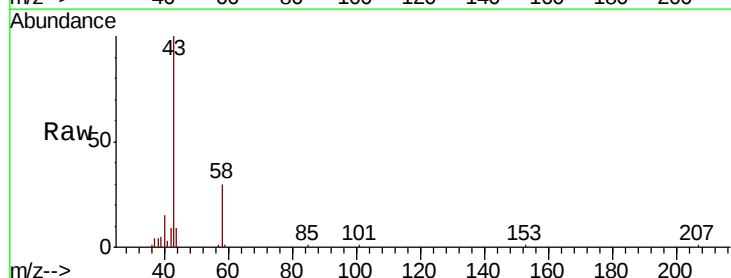
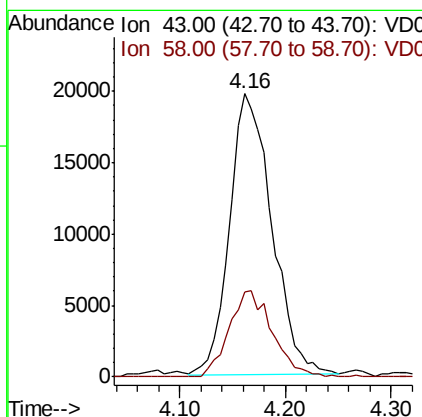
RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064687.D

Acq: 31 Dec 2019 11:25

Tgt Ion:	43	Resp:	54740
Ion Ratio	Lower	Upper	
43	100		
58	30.4	25.8	38.6





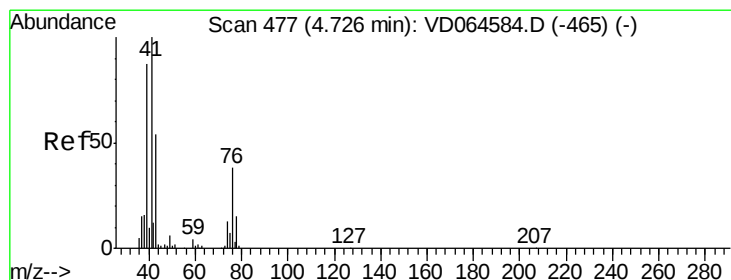
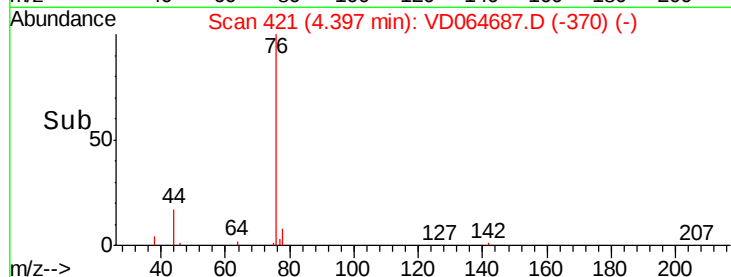
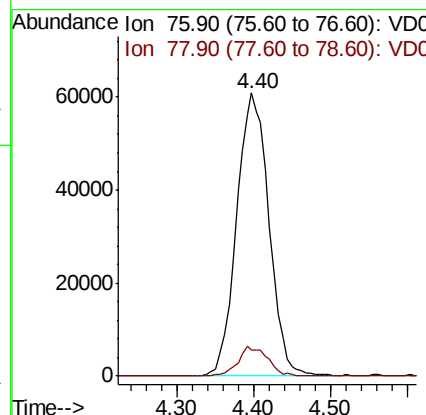
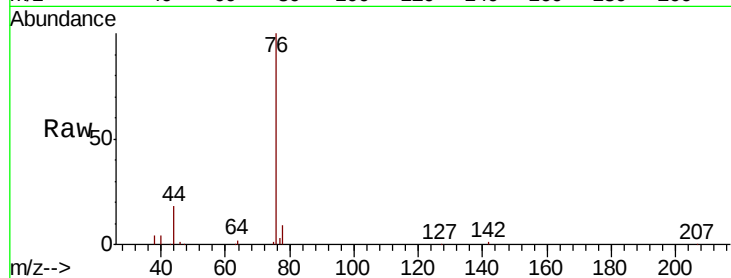
#17
Carbon Disulfide
Concen: 17.186 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.00 min
Lab File: VD064687.D
Acq: 31 Dec 2019 11:25

Instrument :
MSVOA_D
ClientSampleId :
VD1231SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.3	10.9

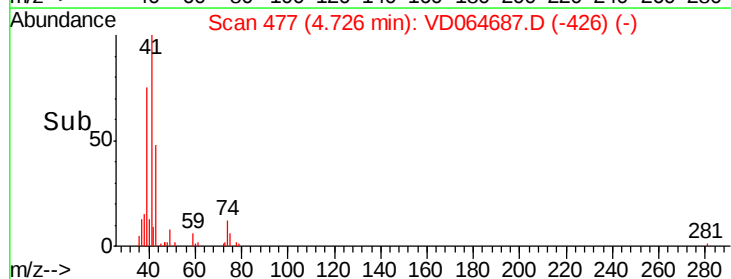
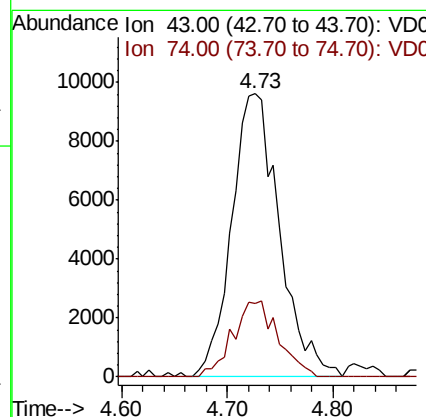
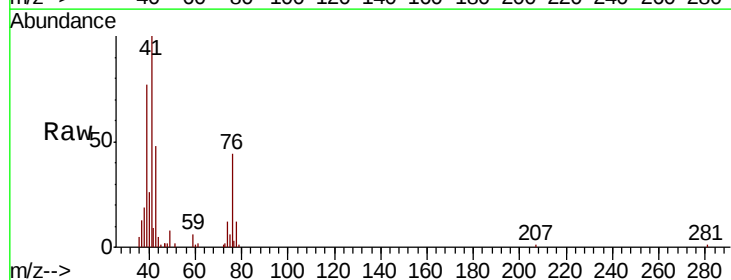
Manual Integrations
APPROVED

apatel
1/2/2020 10:42:58 AM



#18
Methyl Acetate
Concen: 16.642 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD064687.D
Acq: 31 Dec 2019 11:25

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.5	19.2	28.8





#19

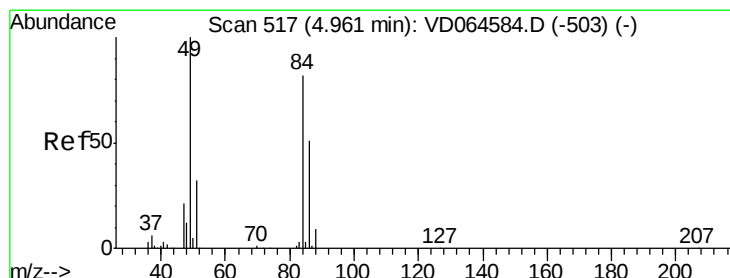
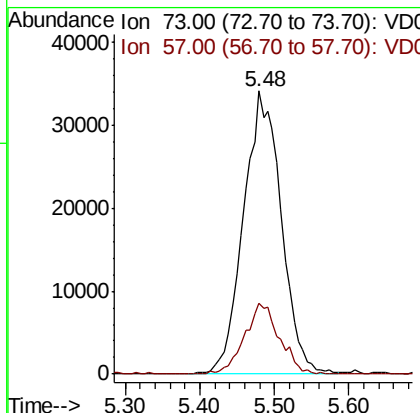
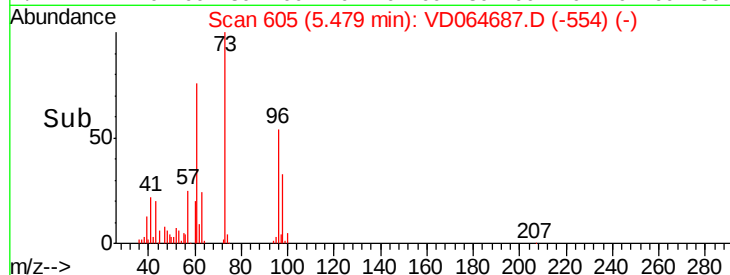
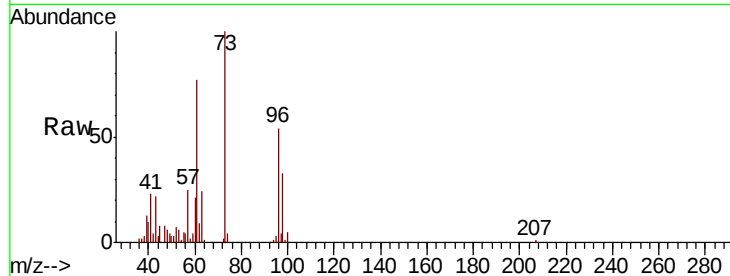
Methyl tert-butyl Ether
 Concen: 16.779 ug/l
 RT: 5.48 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VD064687.D
 Acq: 31 Dec 2019 11:25

Instrument :
 MSVOA_D
 ClientSampleID :
 VD1231SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	25.1	18.6	27.8

Manual Integrations
 APPROVED

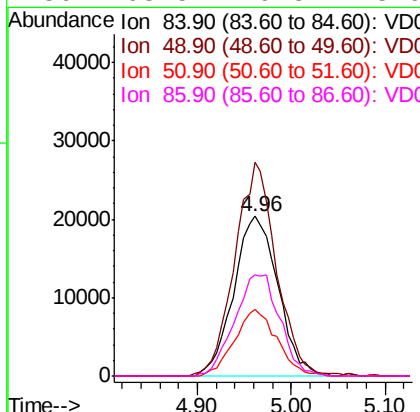
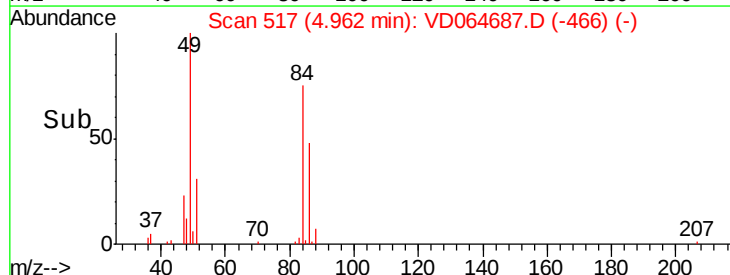
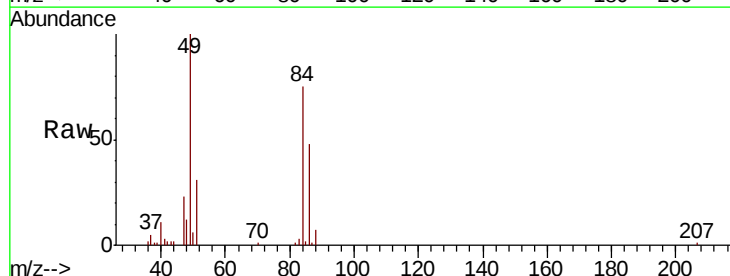
apatel
 1/2/2020 10:42:58 AM

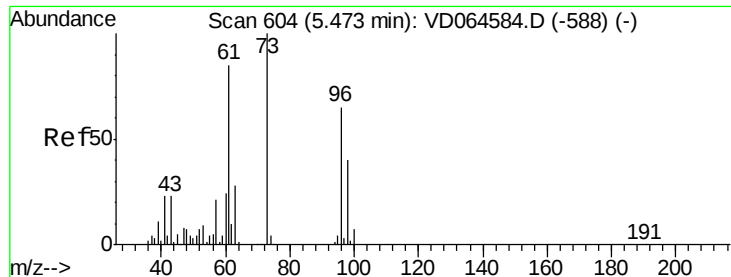


#20

Methylene Chloride
 Concen: 16.951 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VD064687.D
 Acq: 31 Dec 2019 11:25

Tgt Ion	Ratio	Lower	Upper
84	100		
49	133.6	97.2	145.8
51	41.3	31.4	47.0
86	63.5	49.3	73.9





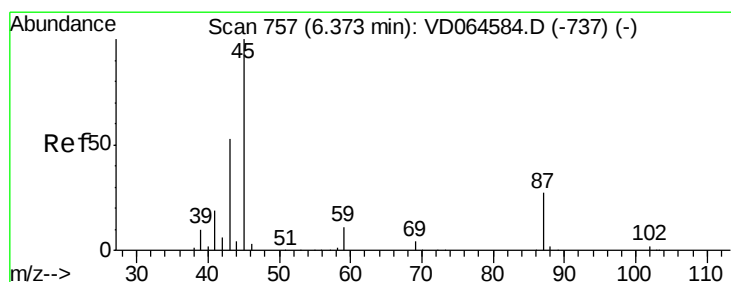
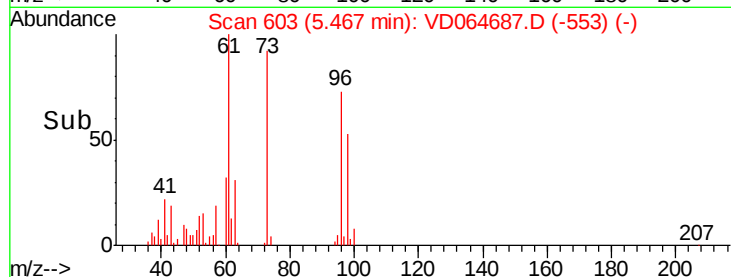
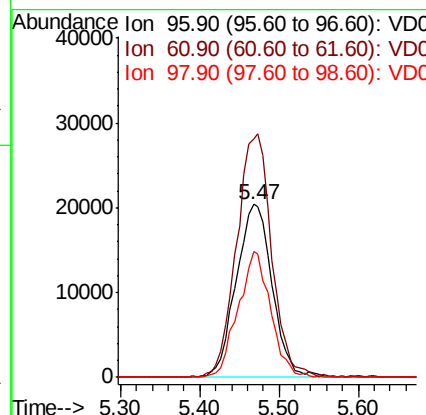
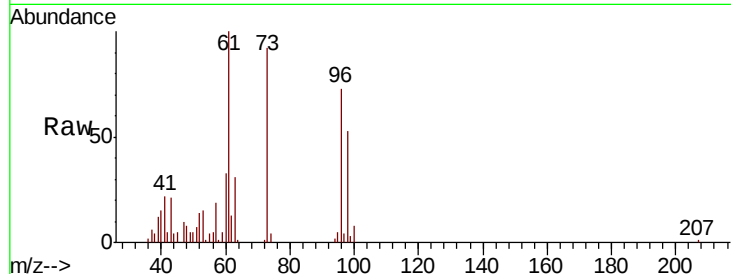
#21
trans-1,2-Dichloroethene
Concen: 17.538 ug/l
RT: 5.47 min Scan# 603
Delta R.T. -0.01 min
Lab File: VD064687.D
Acq: 31 Dec 2019 11:25

Instrument :
MSVOA_D
ClientSampleId :
VD1231SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.7	104.7	157.1
98	72.6	49.4	74.2

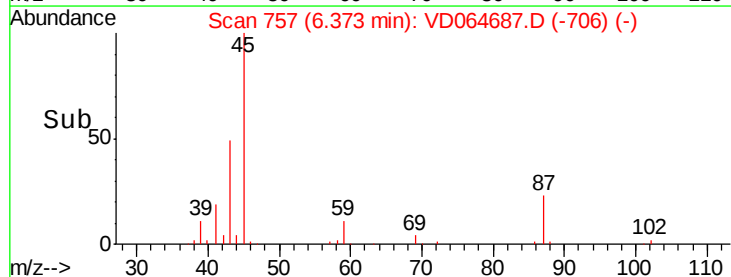
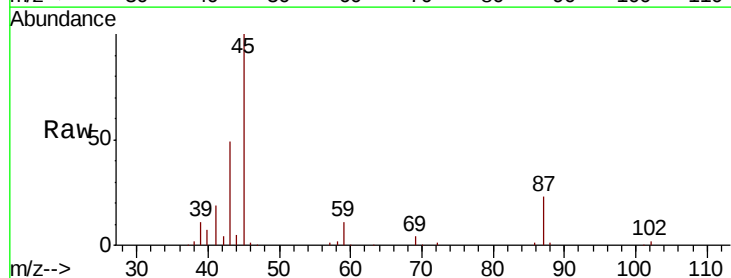
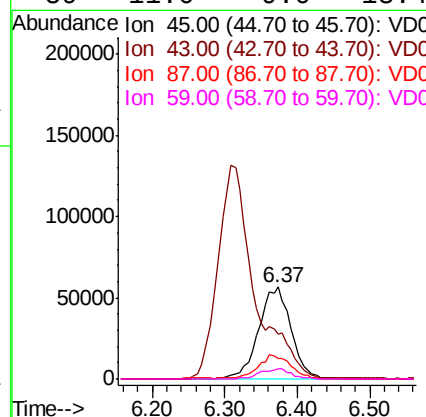
Manual Integrations
APPROVED

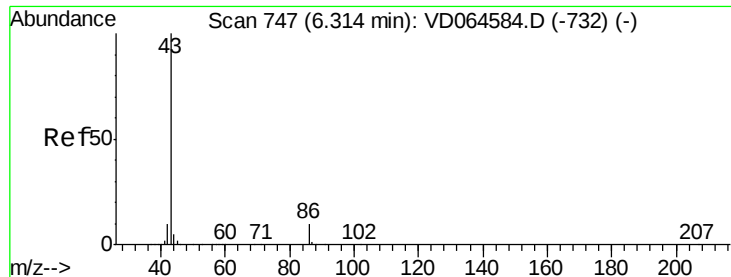
apatel
1/2/2020 10:42:58 AM



#22
Diisopropyl ether
Concen: 17.677 ug/l
RT: 6.37 min Scan# 757
Delta R.T. 0.00 min
Lab File: VD064687.D
Acq: 31 Dec 2019 11:25

Tgt Ion	Ratio	Lower	Upper
45	100		
43	47.8	43.2	64.8
87	22.6	21.9	32.9
59	11.0	9.0	13.4





#23

Vinyl Acetate

Concen: 81.906 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064687.D

Acq: 31 Dec 2019 11:25

Instrument :

MSVOA_D

ClientSampleId :

VD1231SBS01

Tot Ion: 43 Resp: 463911

Ion Ratio Lower Upper

43 100

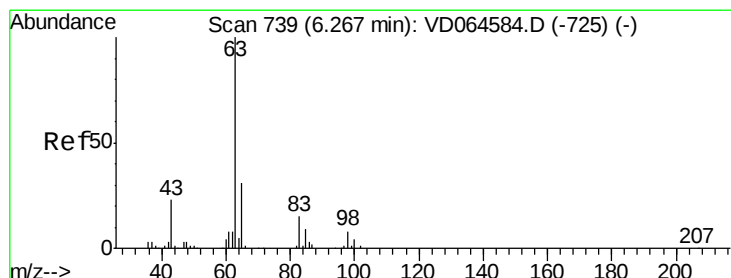
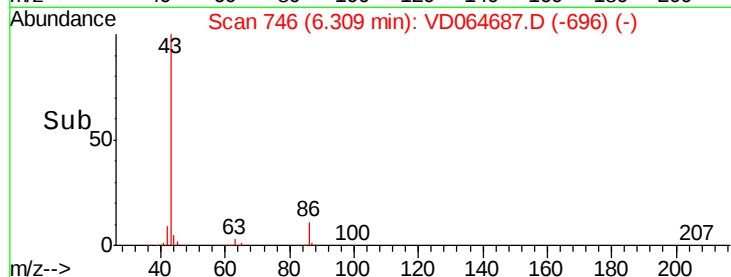
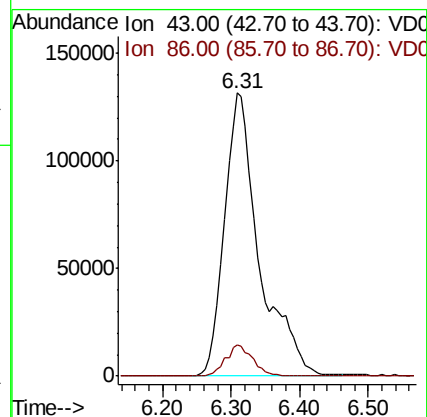
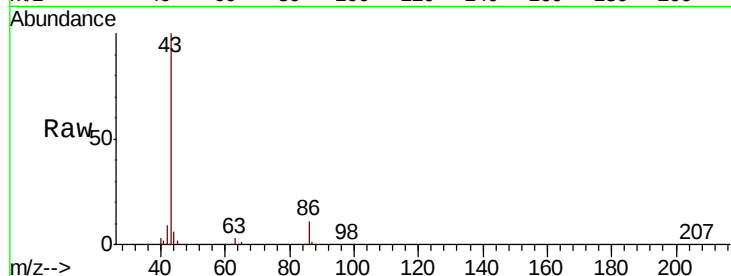
86 11.1 8.3 12.5

Manual Integrations

APPROVED

apatel

1/2/2020 10:42:58 AM



#24

1,1-Dichloroethane

Concen: 18.263 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064687.D

Acq: 31 Dec 2019 11:25

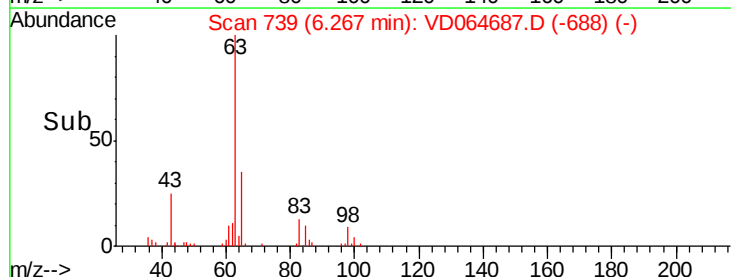
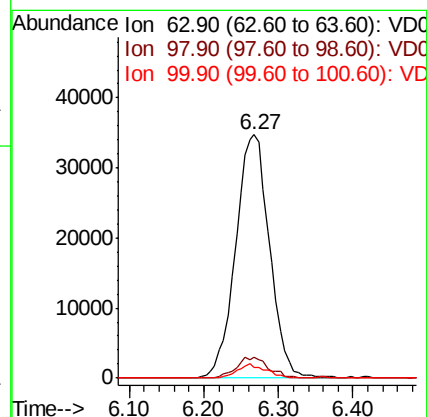
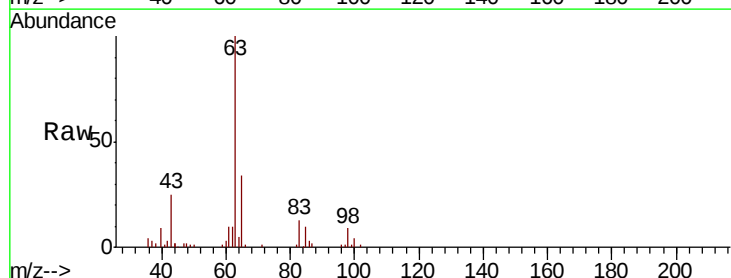
Tgt Ion: 63 Resp: 109469

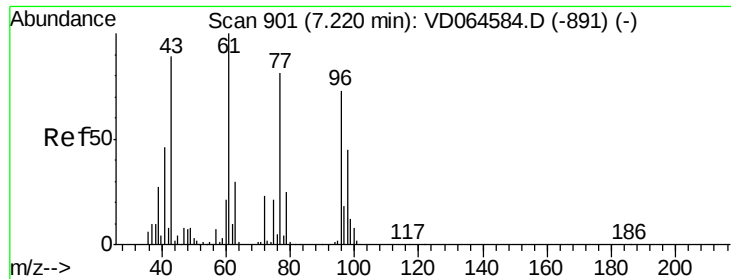
Ion Ratio Lower Upper

63 100

98 8.5 4.1 12.3

100 4.4 2.2 6.6





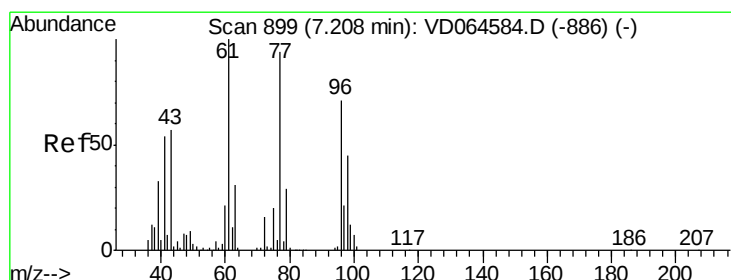
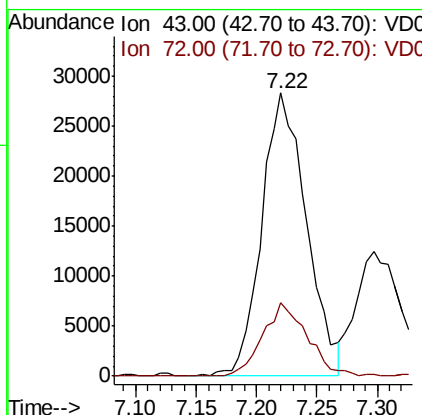
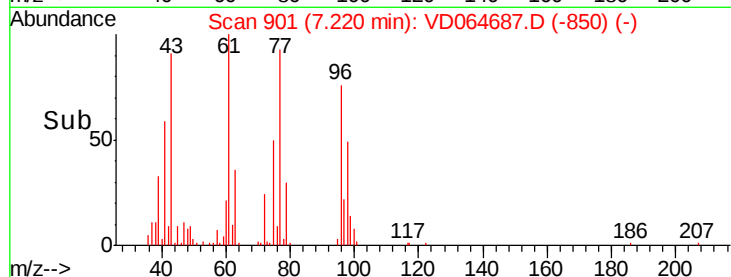
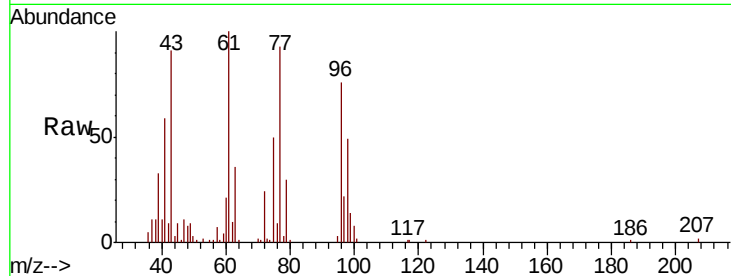
#25
2-Butanone
Concen: 81.970 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.00 min
Lab File: VD064687.D
Acq: 31 Dec 2019 11:25

Instrument :
MSVOA_D
ClientSampleId :
VD1231SBSD01

Tot Ion: 43 Resp: 72507
Ion Ratio Lower Upper
43 100
72 26.1 20.7 31.1

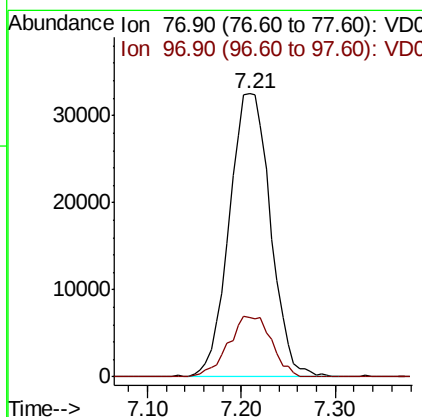
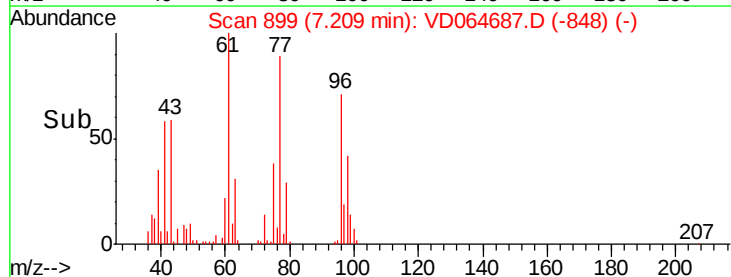
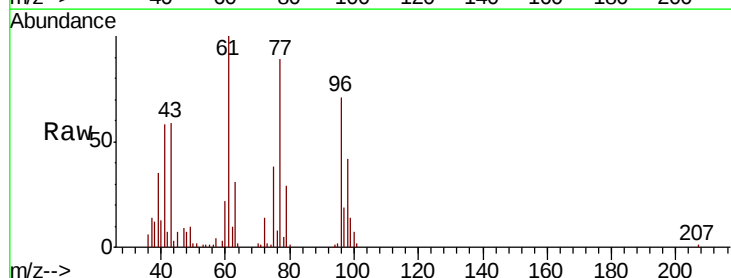
Manual Integrations
APPROVED

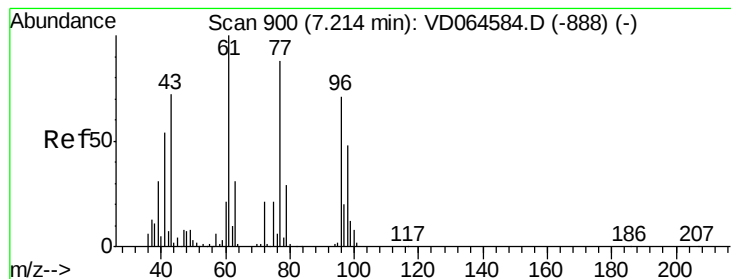
apatel
1/2/2020 10:42:58 AM



#26
2,2-Dichloropropane
Concen: 17.767 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD064687.D
Acq: 31 Dec 2019 11:25

Tgt Ion: 77 Resp: 99018
Ion Ratio Lower Upper
77 100
97 22.3 11.2 33.6





#27

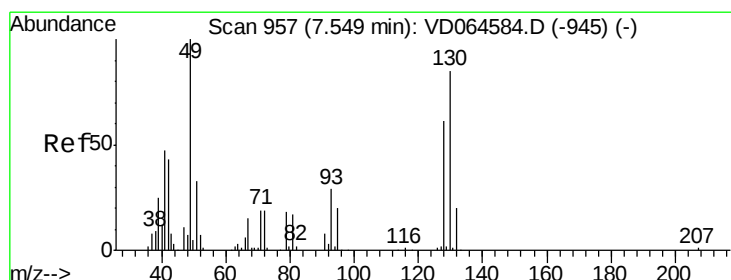
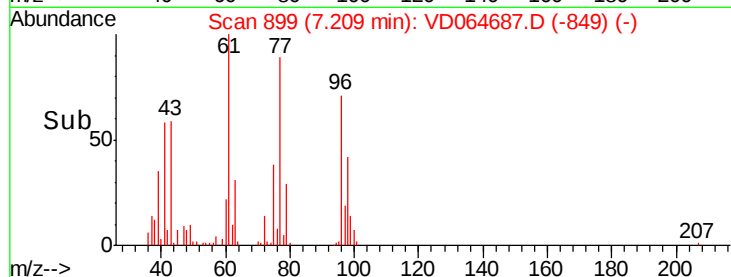
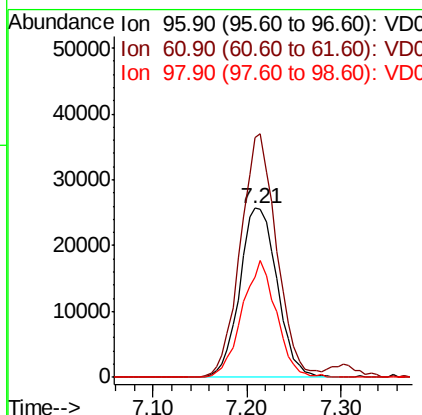
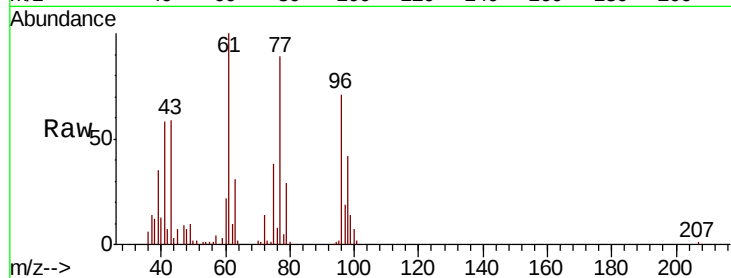
cis-1,2-Dichloroethene
 Concen: 17.955 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD064687.D
 Acq: 31 Dec 2019 11:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1231SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.2	0.0	282.6
98	63.2	0.0	130.8

Manual Integrations
 APPROVED

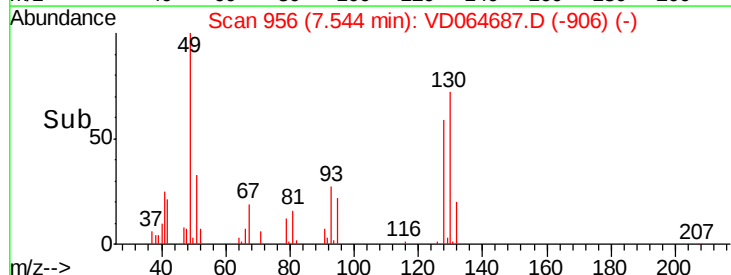
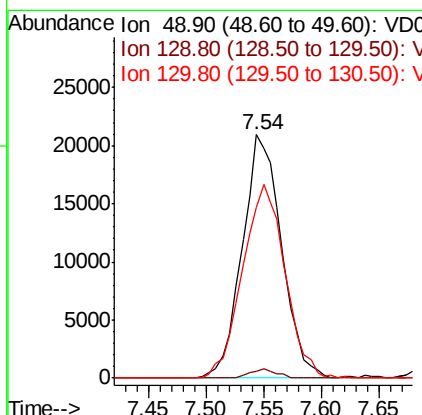
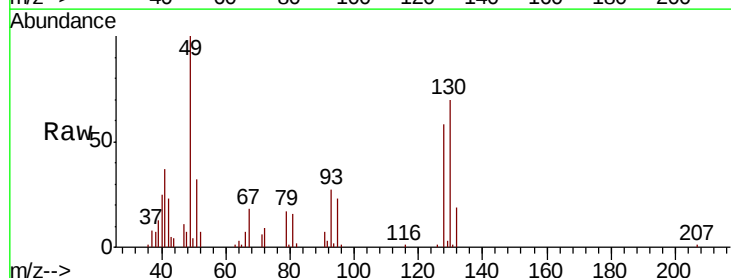
apatel
 1/2/2020 10:42:58 AM

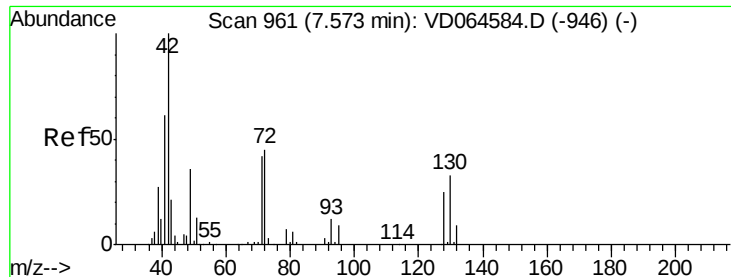


#28

Bromochloromethane
 Concen: 21.243 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: VD064687.D
 Acq: 31 Dec 2019 11:25

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	4.8
130	86.2	65.0	97.6





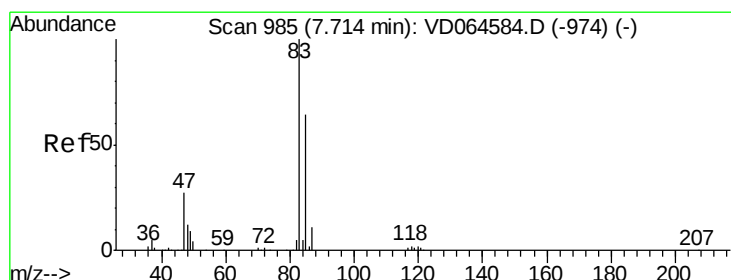
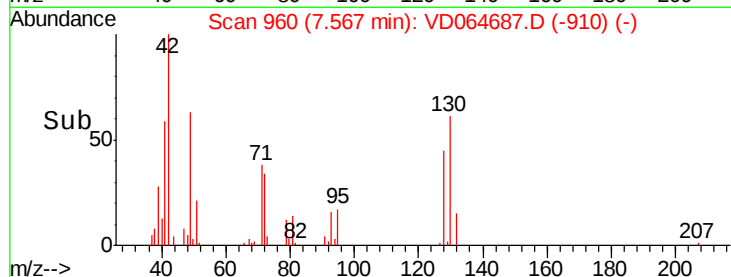
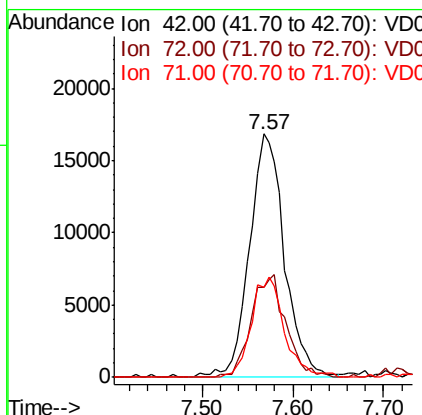
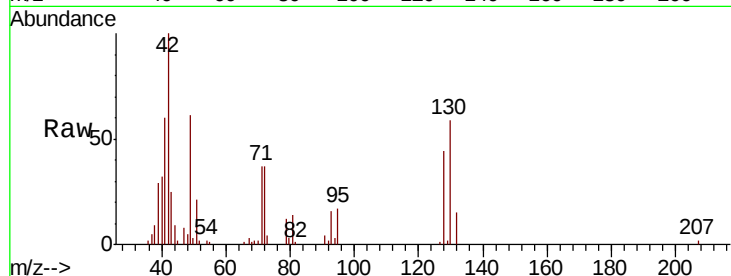
#29
Tetrahydrofuran
Concen: 81.989 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD064687.D
Acq: 31 Dec 2019 11:25

Instrument :
MSVOA_D
ClientSampleId :
VD1231SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.6	35.0	52.4
71	38.8	32.9	49.3

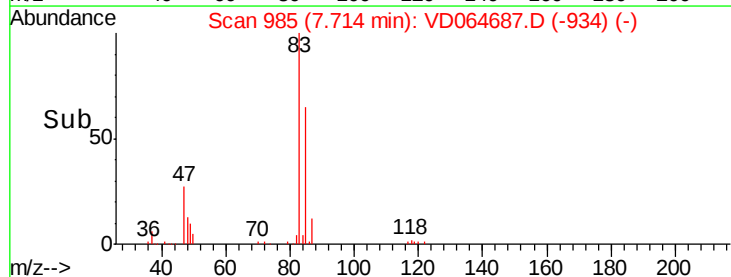
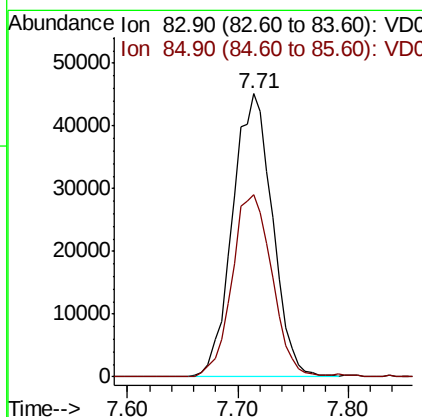
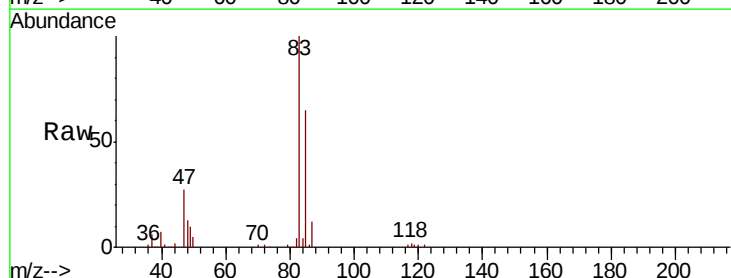
Manual Integrations
APPROVED

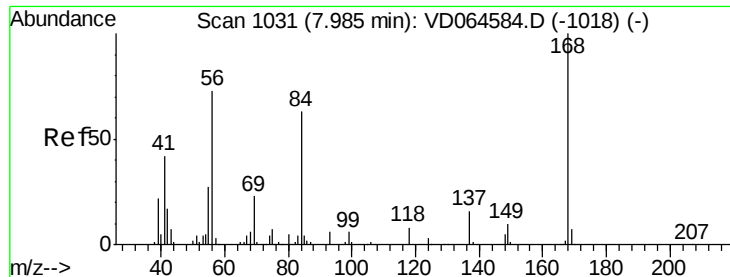
apatel
1/2/2020 10:42:58 AM



#30
Chloroform
Concen: 18.188 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064687.D
Acq: 31 Dec 2019 11:25

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.1	76.7





#31

Cyclohexane

Concen: 17.301 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064687.D

Acq: 31 Dec 2019 11:25

Instrument :

MSVOA_D

ClientSampleId :

VD1231SBS001

Tot Ion: 56 Resp: 103808

Ion Ratio Lower Upper

56 100

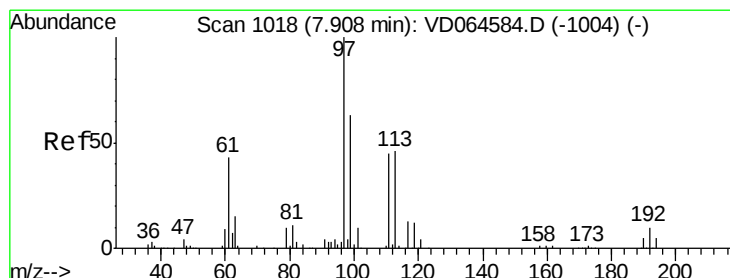
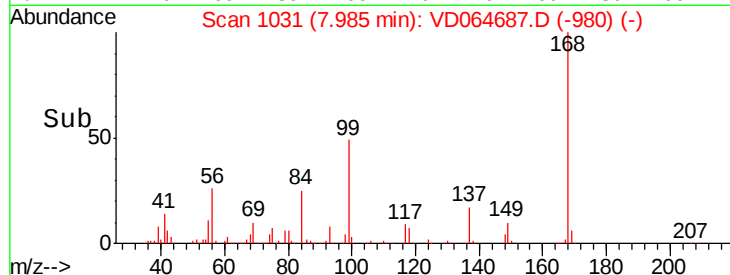
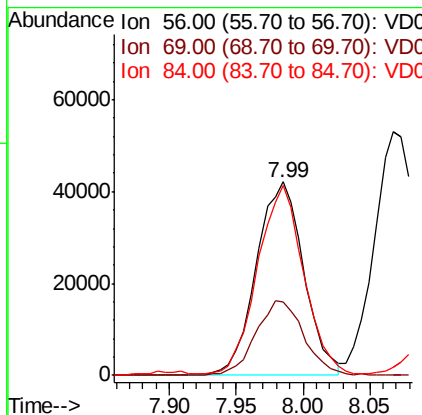
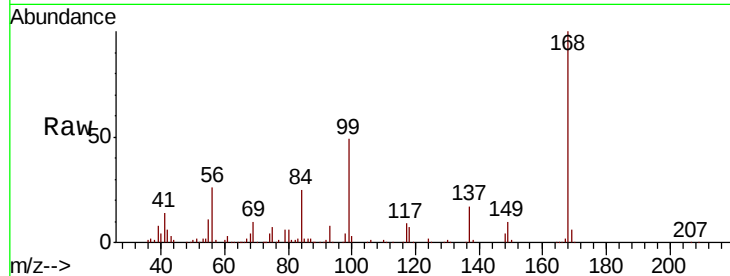
69 37.7 24.7 37.1#

84 97.4 69.4 104.2

Manual Integrations
APPROVED

apatel

1/2/2020 10:42:58 AM



#32

1,1,1-Trichloroethane

Concen: 18.073 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD064687.D

Acq: 31 Dec 2019 11:25

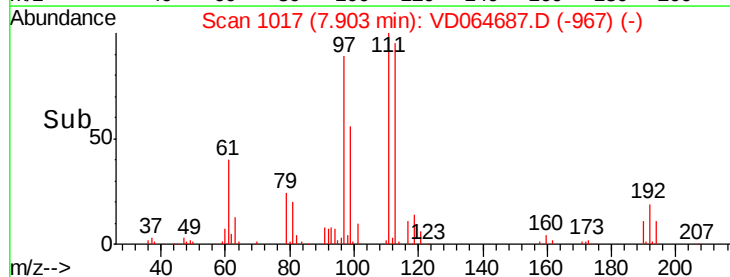
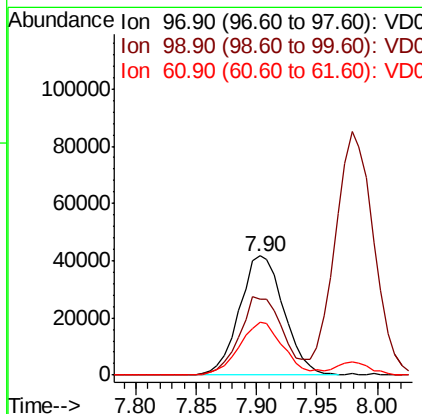
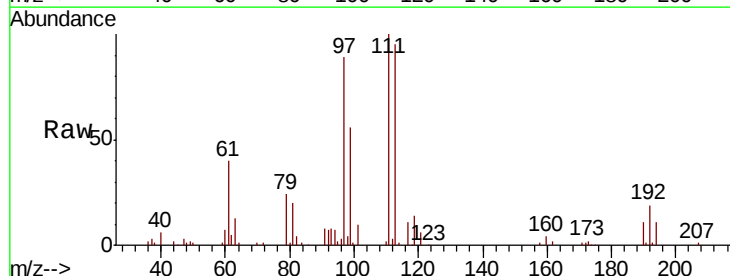
Tgt Ion: 97 Resp: 106757

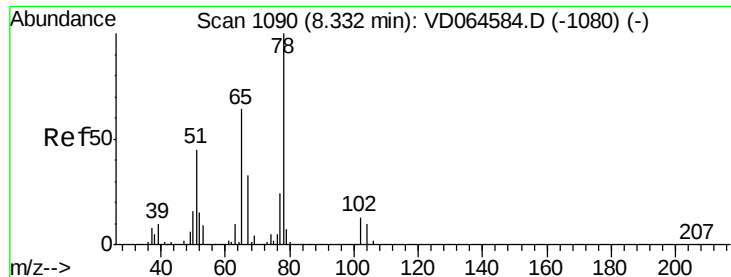
Ion Ratio Lower Upper

97 100

99 63.5 51.0 76.6

61 44.1 35.4 53.0





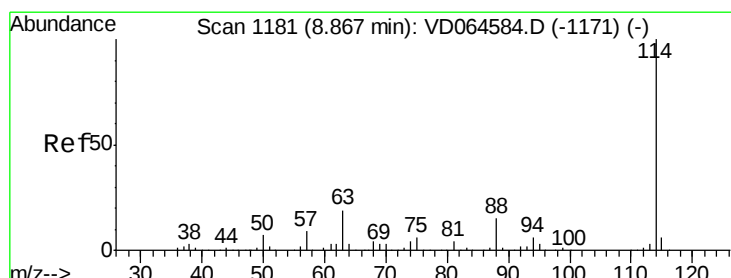
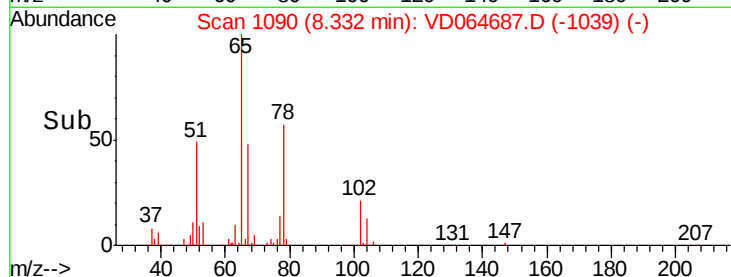
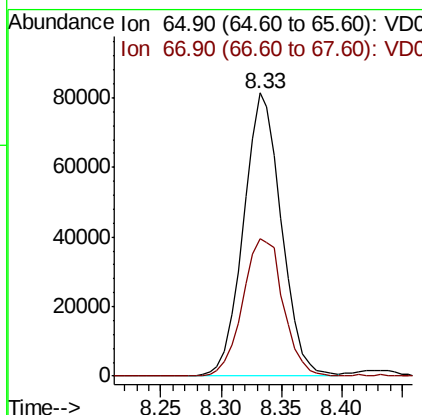
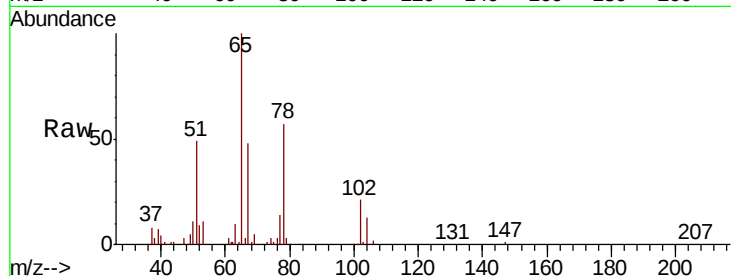
#33
 1,2-Dichloroethane-d4
 Concen: 55.351 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD064687.D
 Acq: 31 Dec 2019 11:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1231SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	178121		
67	51.6	0.0	106.2	

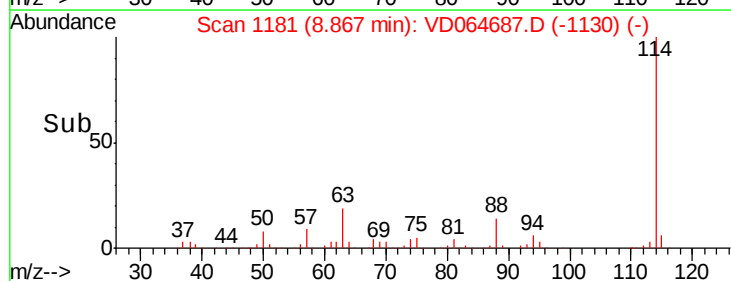
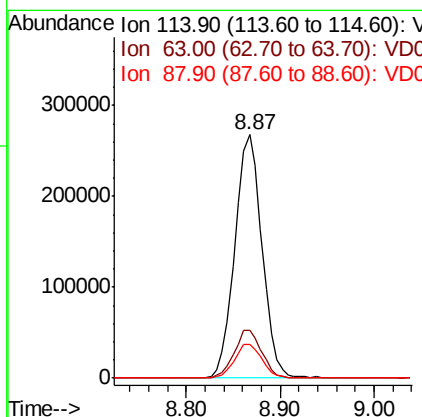
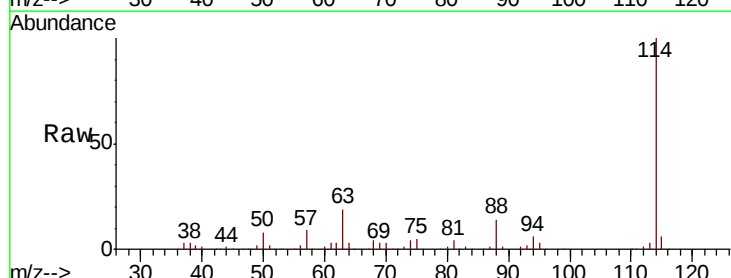
Manual Integrations
 APPROVED

apatel
 1/2/2020 10:42:58 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064687.D
 Acq: 31 Dec 2019 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	537009		
63	19.4	0.0	38.0	
88	13.9	0.0	29.2	





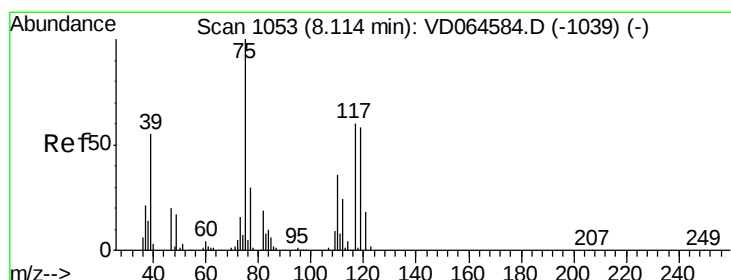
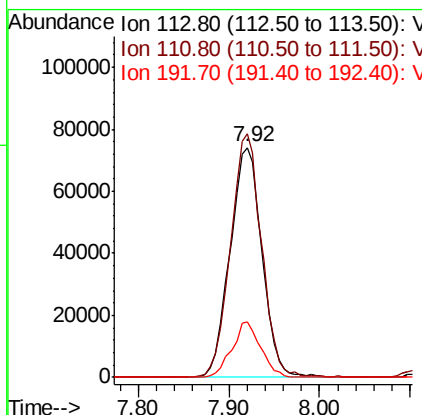
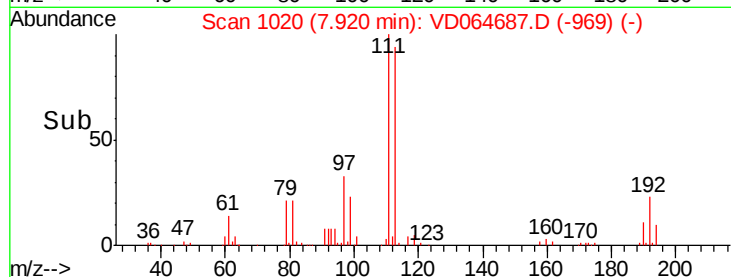
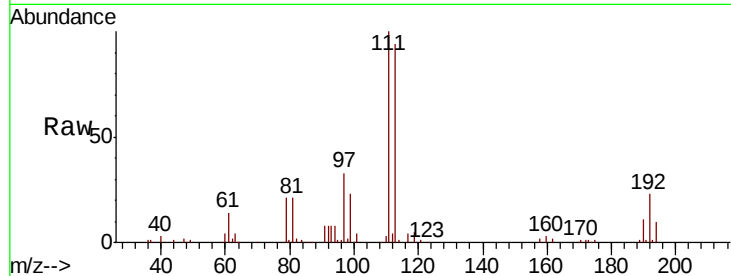
#35
 Dibromofluoromethane
 Concen: 55.139 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064687.D
 Acq: 31 Dec 2019 11:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1231SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	181662		
111	103.2	80.6	121.0	
192	21.8	17.9	26.9	

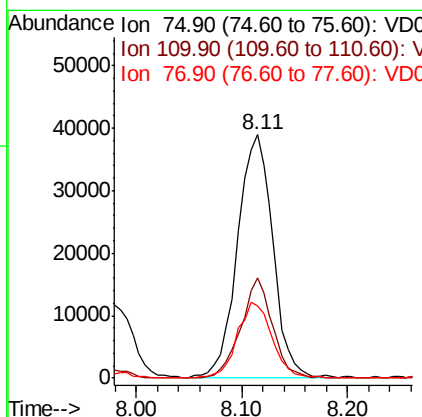
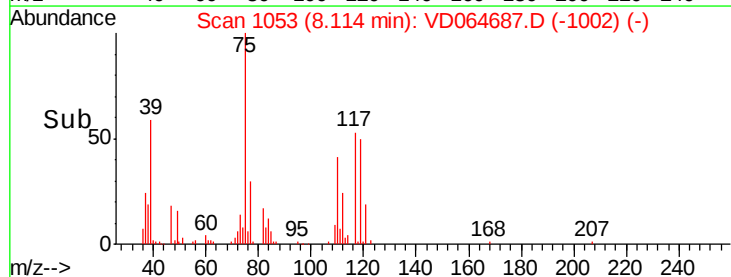
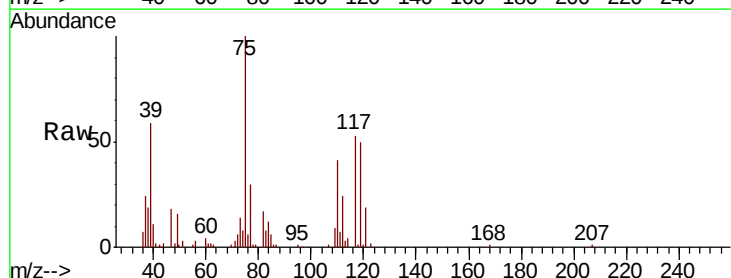
Manual Integrations
 APPROVED

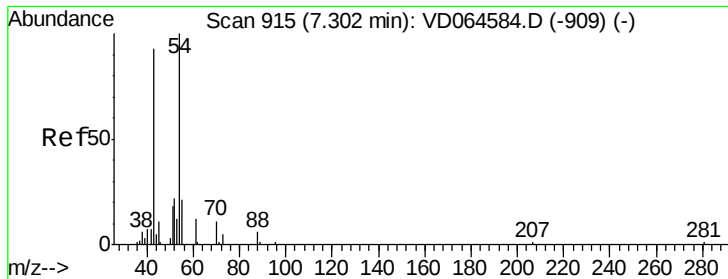
apatel
 1/2/2020 10:42:58 AM



#36
 1,1-Dichloropropene
 Concen: 17.532 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064687.D
 Acq: 31 Dec 2019 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	90618		
110	36.5	18.1	54.1	
77	30.9	24.2	36.4	





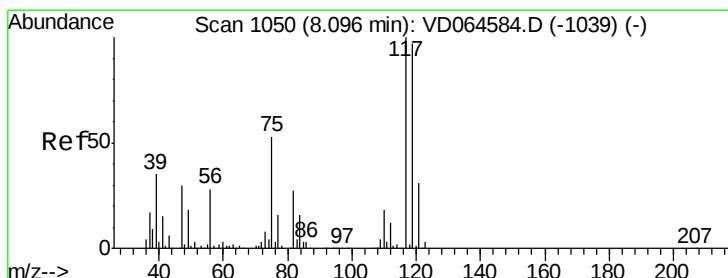
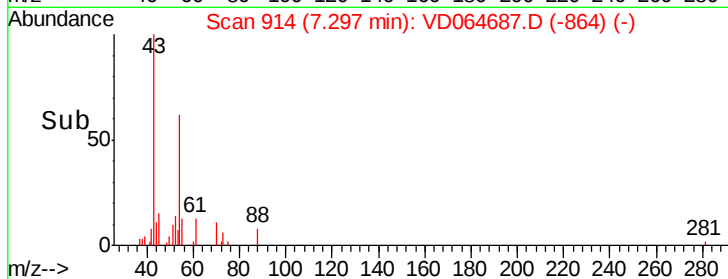
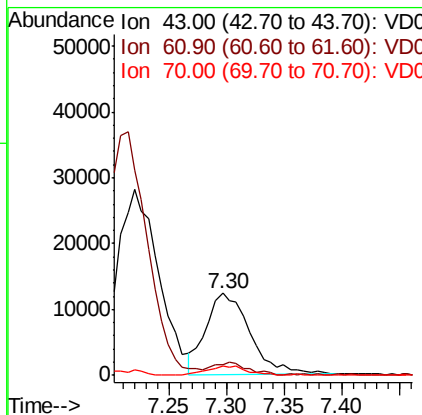
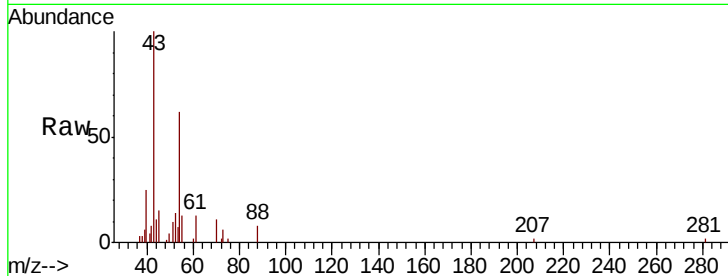
#37
Ethyl Acetate
Concen: 16.192 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD064687.D
Acq: 31 Dec 2019 11:25

Instrument :
MSVOA_D
ClientSampleId :
VD1231SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.6	10.3	15.5
70	10.4	7.6	11.4

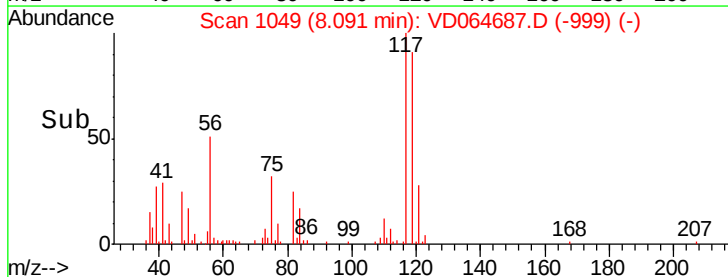
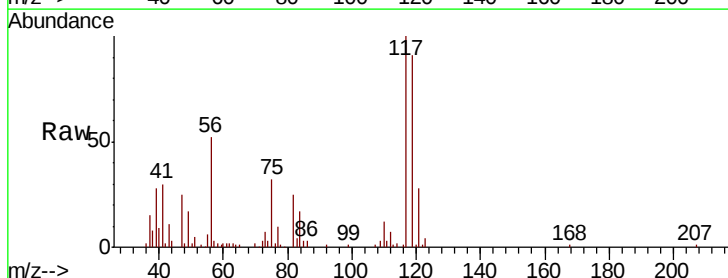
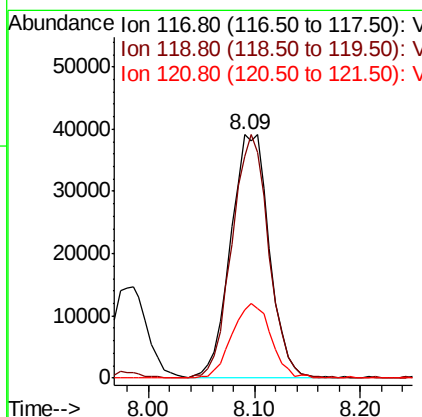
Manual Integrations
APPROVED

apatel
1/2/2020 10:42:58 AM



#38
Carbon Tetrachloride
Concen: 18.033 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD064687.D
Acq: 31 Dec 2019 11:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.1	77.3	115.9
121	28.0	25.0	37.6





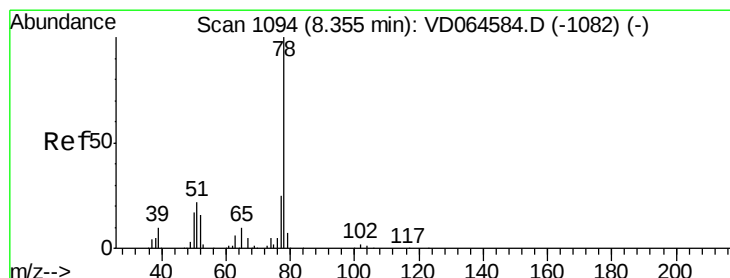
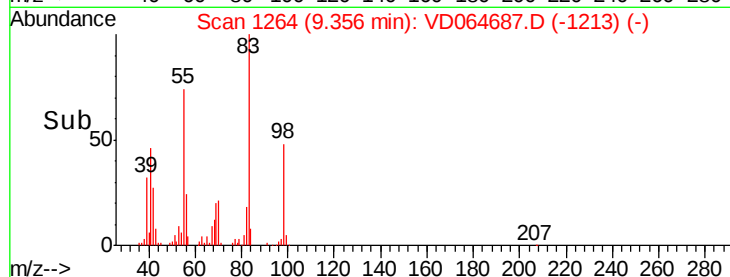
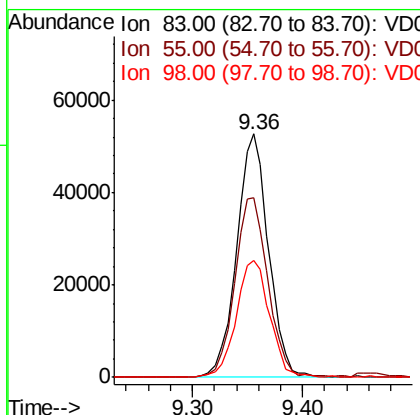
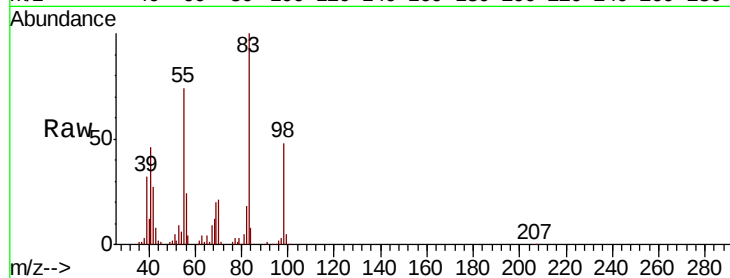
#39
Methylvlcyclohexane
Concen: 16.983 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064687.D
Acq: 31 Dec 2019 11:25

Instrument :
MSVOA_D
ClientSampleId :
VD1231SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.8	57.8	86.6
98	47.8	38.7	58.1

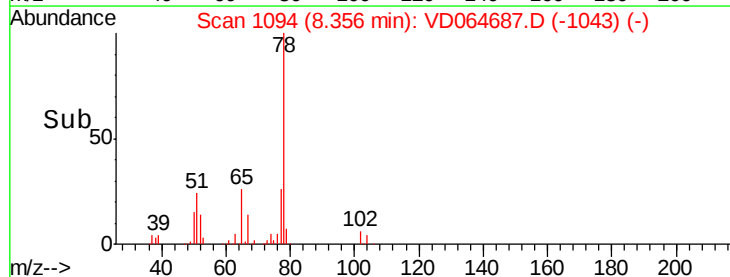
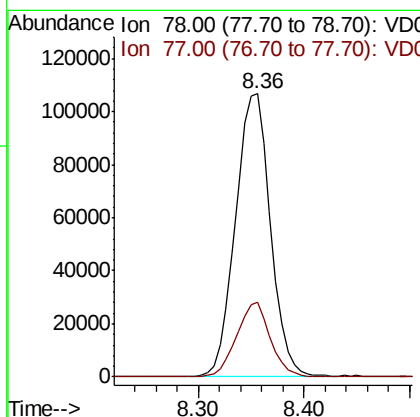
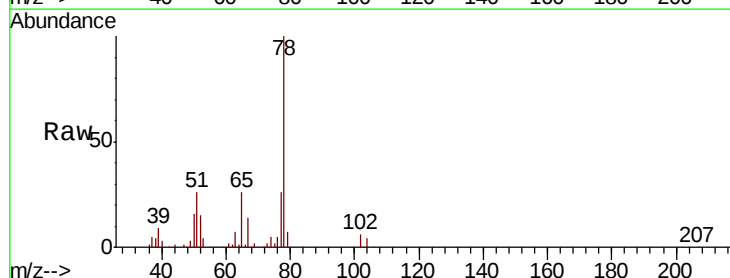
Manual Integrations
APPROVED

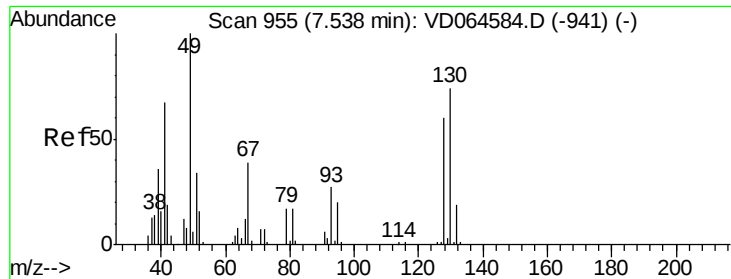
apatel
1/2/2020 10:42:58 AM



#40
Benzene
Concen: 17.388 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD064687.D
Acq: 31 Dec 2019 11:25

Tgt Ion	Ratio	Lower	Upper
78	100		
77	26.4	19.9	29.9





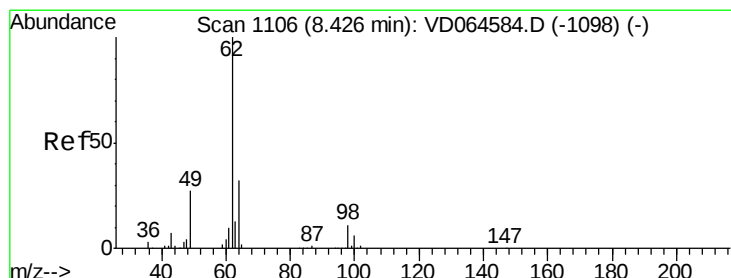
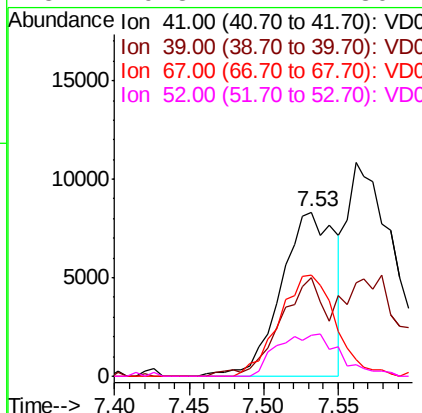
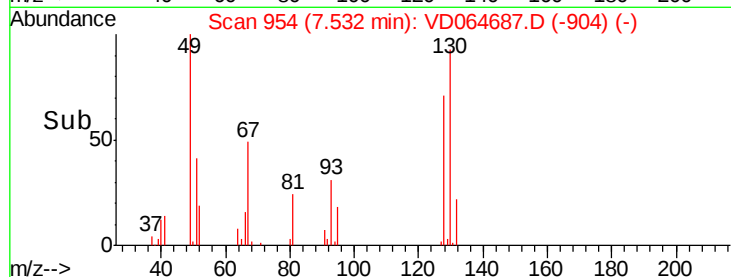
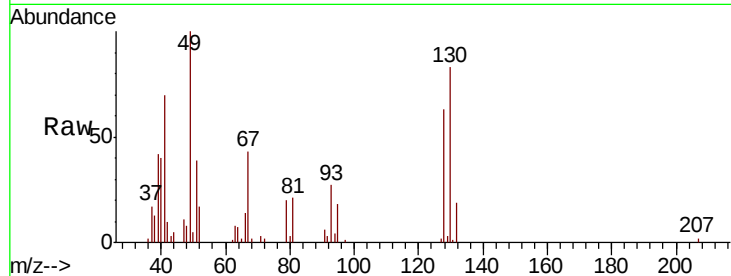
#41
Methacrylonitrile
Concen: 17.924 ug/l
RT: 7.53 min Scan# 954
Delta R.T. -0.01 min
Lab File: VD064687.D
Acq: 31 Dec 2019 11:25

Instrument :
MSVOA_D
ClientSampleId :
VD1231SBS01

Tot Ion	41	Resp	21117
Ion	Ratio	Lower	Upper
41	100		
39	49.3	46.7	70.1
67	64.2	52.5	78.7
52	29.8	24.1	36.1

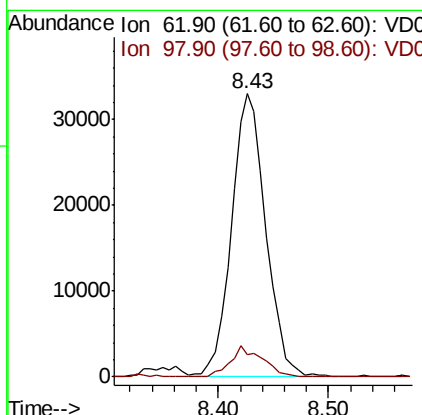
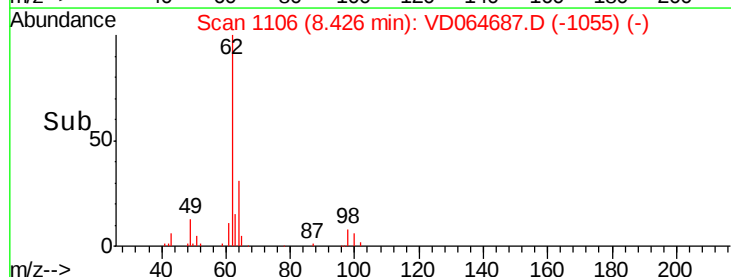
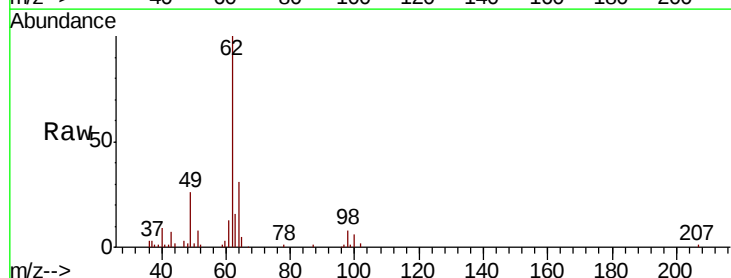
Manual Integrations
APPROVED

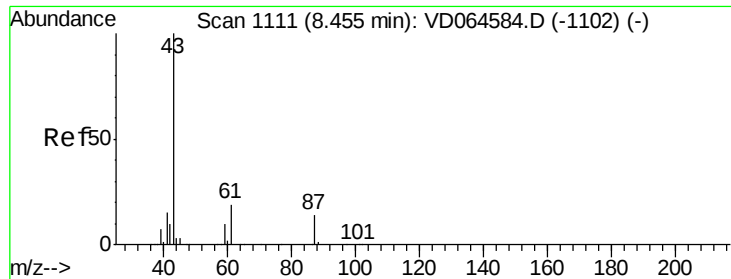
apatel
1/2/2020 10:42:58 AM



#42
1,2-Dichloroethane
Concen: 17.562 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD064687.D
Acq: 31 Dec 2019 11:25

Tgt Ion	62	Resp	71607
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.0





#43

Isopropyl Acetate

Concen: 15.811 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD064687.D

Acq: 31 Dec 2019 11:25

Instrument :

MSVOA_D

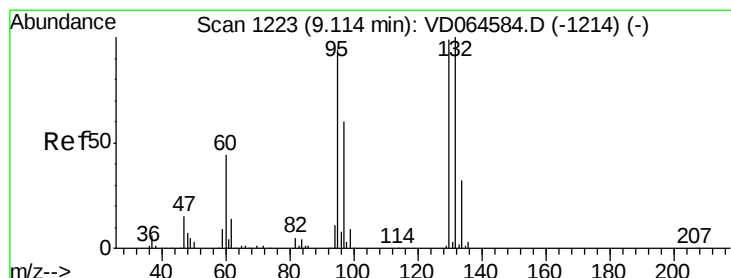
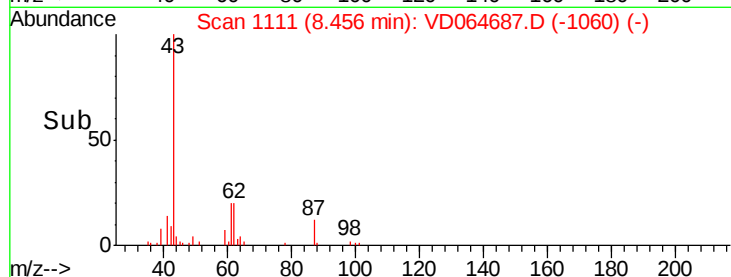
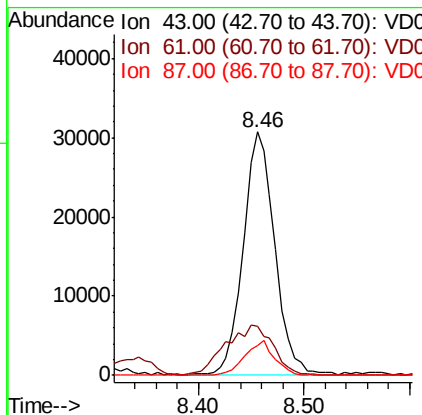
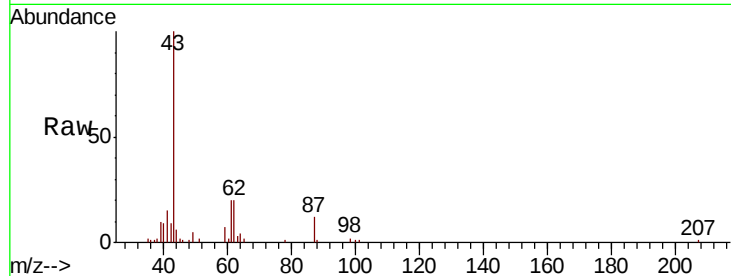
ClientSampleId :

VD1231SBS01

Tot Ion:	43	Resp:	63901
Ion	Ratio	Lower	Upper
43	100		
61	30.9	23.7	35.5
87	13.3	10.5	15.7

Manual Integrations
APPROVED

apatel
1/2/2020 10:42:58 AM



#44

Trichloroethene

Concen: 17.140 ug/l

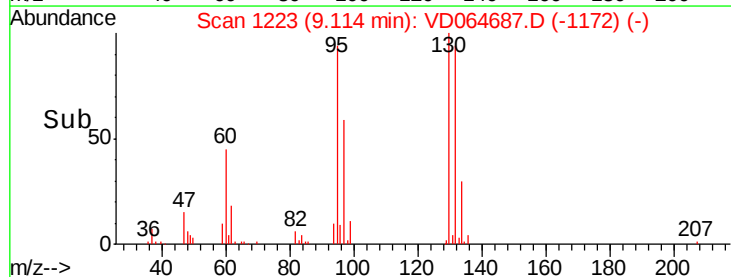
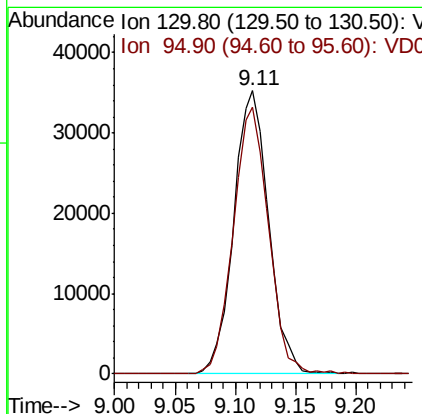
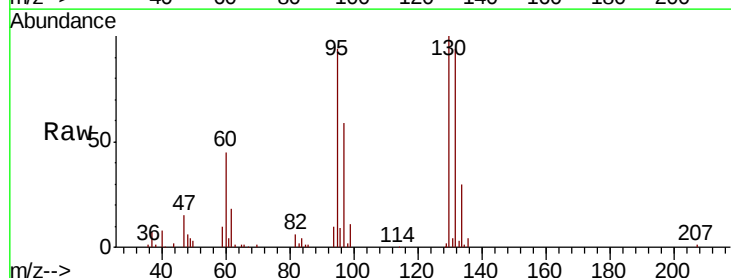
RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD064687.D

Acq: 31 Dec 2019 11:25

Tgt Ion:	130	Resp:	71047
Ion	Ratio	Lower	Upper
130	100		
95	94.4	0.0	190.2





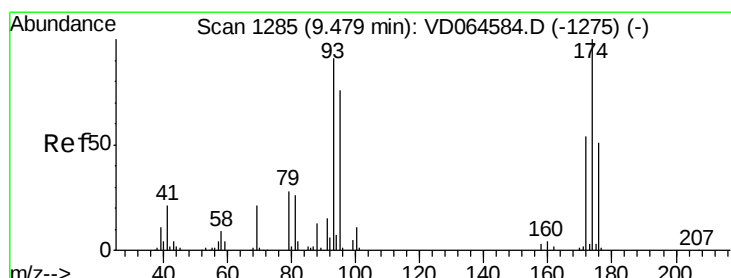
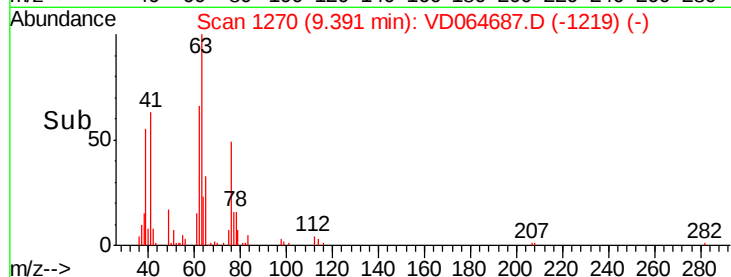
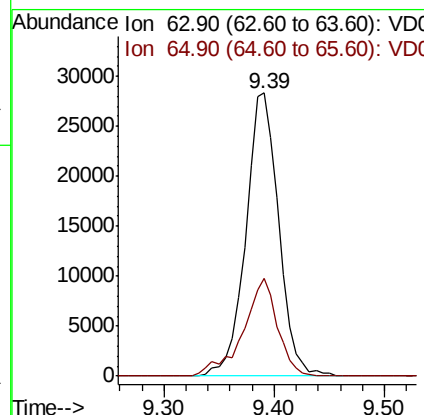
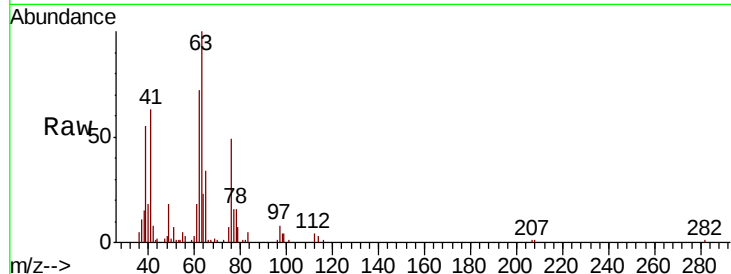
#45
 1,2-Dichloropropane
 Concen: 17.572 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD064687.D
 Acq: 31 Dec 2019 11:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1231SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	34.5	25.2	37.8

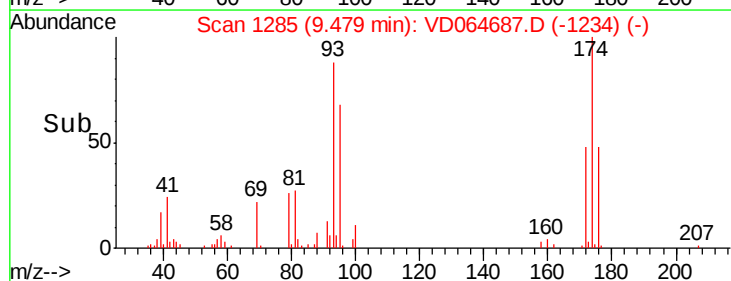
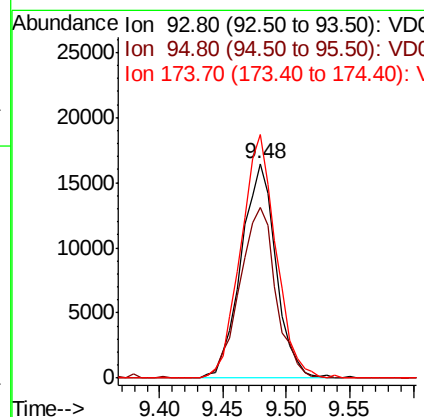
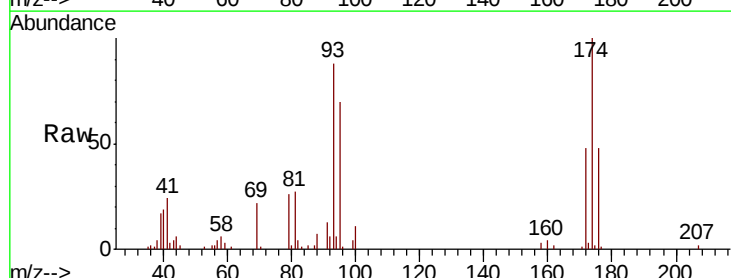
Manual Integrations
 APPROVED

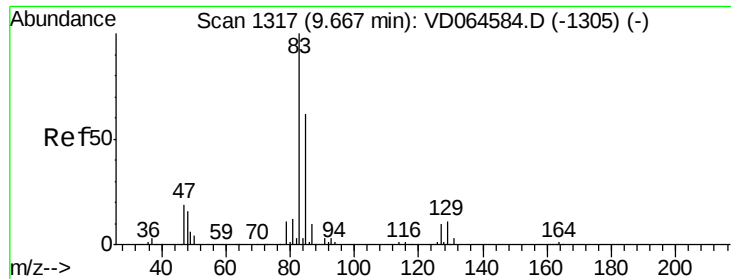
apatel
 1/2/2020 10:42:58 AM



#46
 Dibromomethane
 Concen: 16.743 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD064687.D
 Acq: 31 Dec 2019 11:25

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.5	64.6	97.0
174	114.2	88.1	132.1





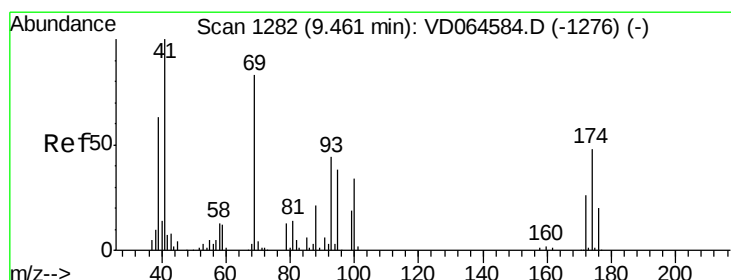
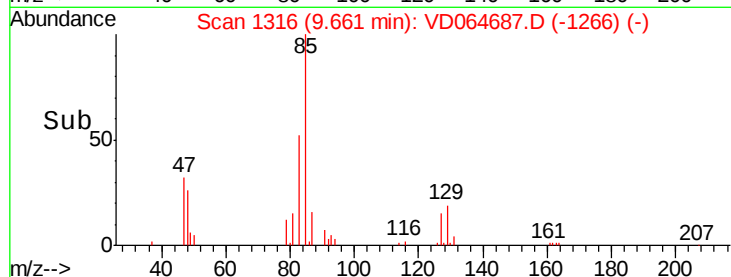
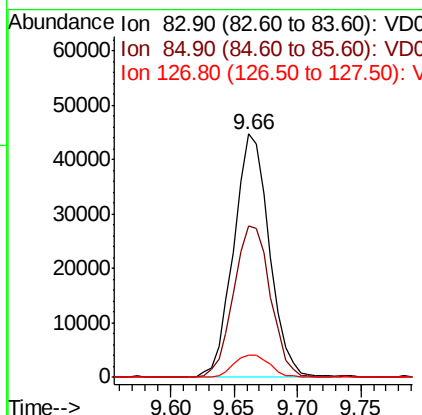
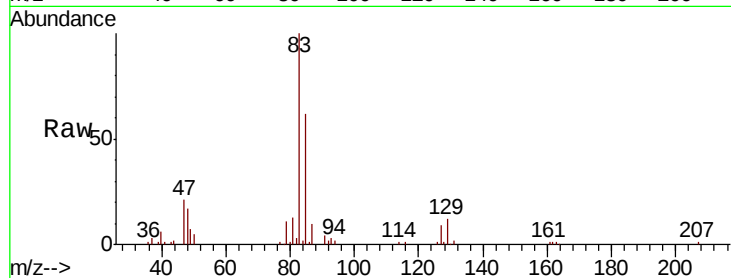
#47
Bromodichloromethane
Concen: 17.473 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. -0.01 min
Lab File: VD064687.D
Acq: 31 Dec 2019 11:25

Instrument :
MSVOA_D
ClientSampleId :
VD1231SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
85	62.1	49.5	74.3
127	9.2	7.8	11.6

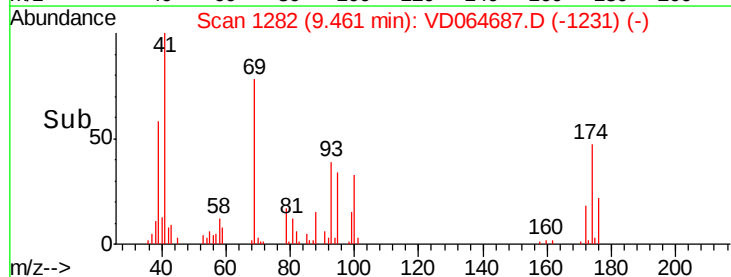
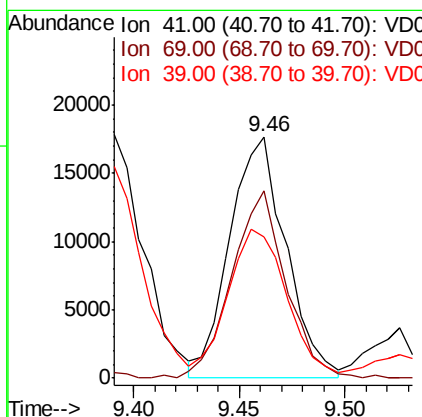
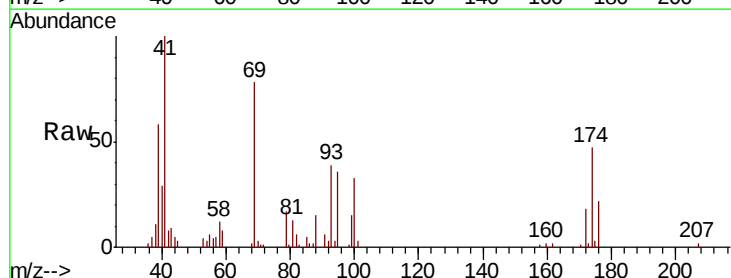
Manual Integrations
APPROVED

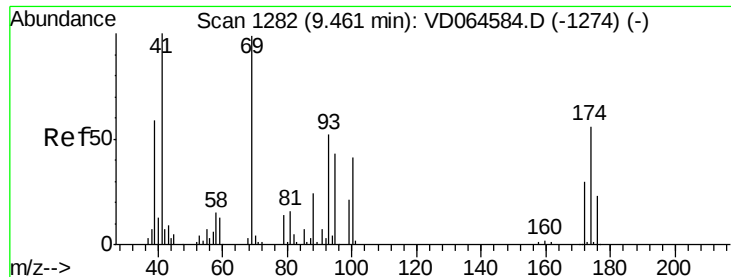
apatel
1/2/2020 10:42:58 AM



#48
Methyl methacrylate
Concen: 17.150 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD064687.D
Acq: 31 Dec 2019 11:25

Tgt Ion	Ratio	Lower	Upper
41	100		
69	75.1	63.0	94.6
39	60.4	47.4	71.2





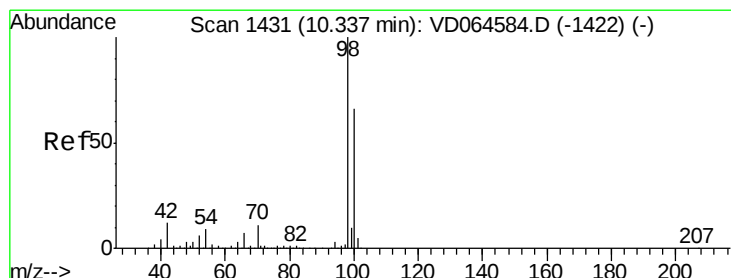
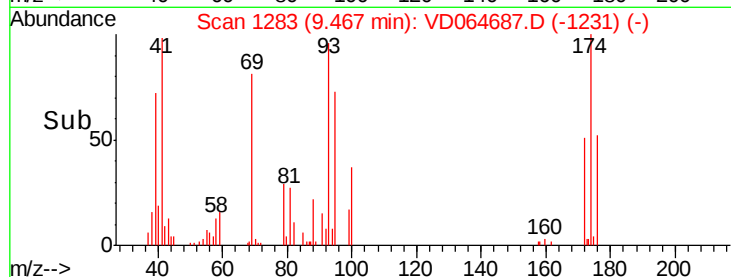
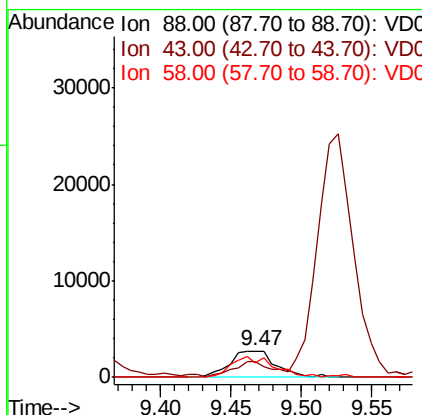
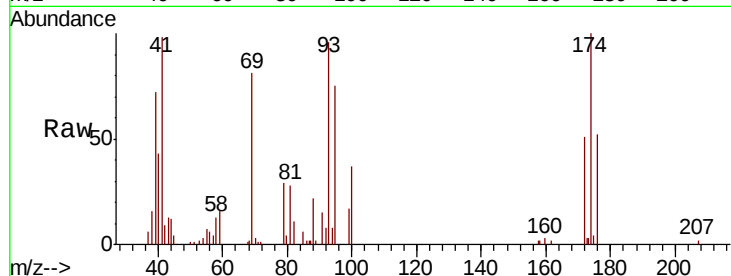
#49
1,4-Dioxane
Concen: 292.778 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD064687.D
Acq: 31 Dec 2019 11:25

Instrument :
MSVOA_D
ClientSampleId :
VD1231SBSD01

Tot Ion	88	Resp	6341
Ion	Ratio	Lower	Upper
88	100		
43	42.8	27.7	41.5#
58	71.9	53.8	80.6

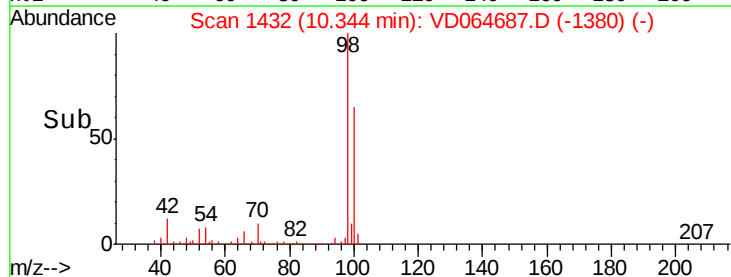
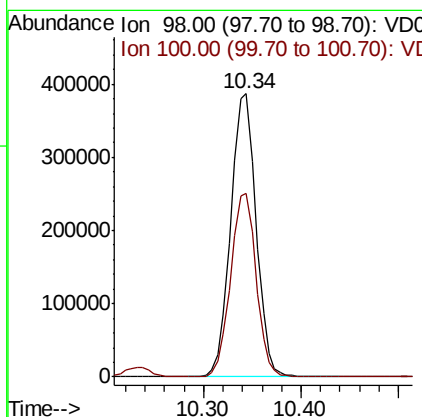
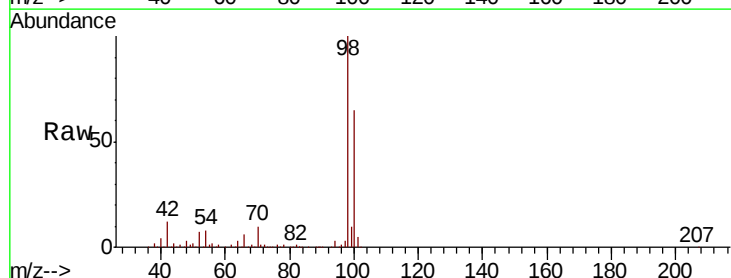
Manual Integrations
APPROVED

apatel
1/2/2020 10:42:58 AM



#50
Toluene-d8
Concen: 55.718 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064687.D
Acq: 31 Dec 2019 11:25

Tgt Ion	98	Resp	703054
Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.7	77.5





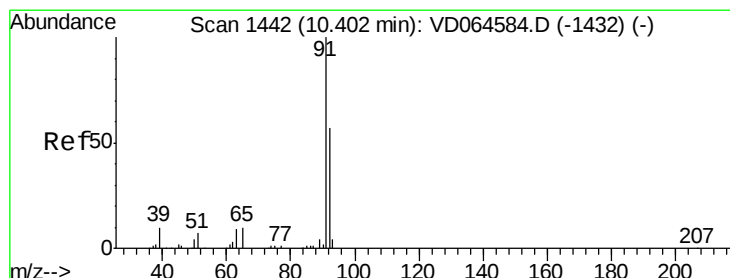
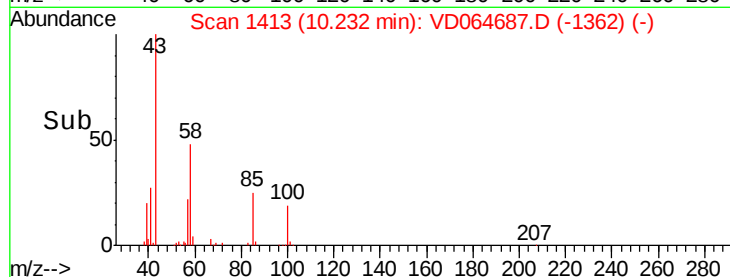
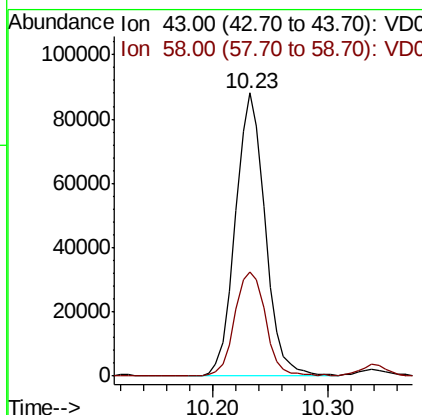
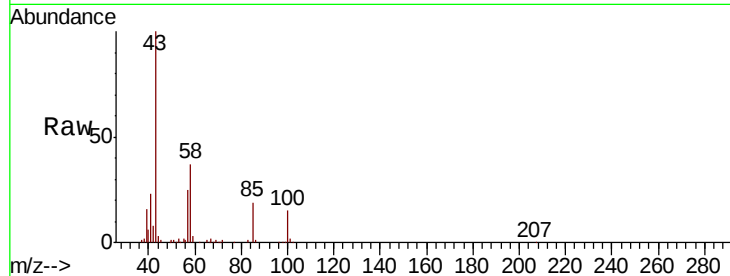
#51
4-Methyl-2-Pentanone
Concen: 78.793 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD064687.D
Acq: 31 Dec 2019 11:25

Instrument :
MSVOA_D
ClientSampleID :
VD1231SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.4	30.2	45.2

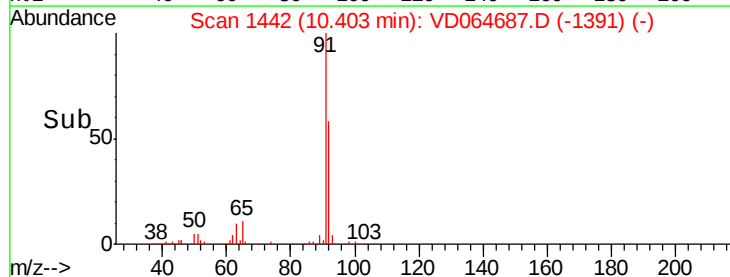
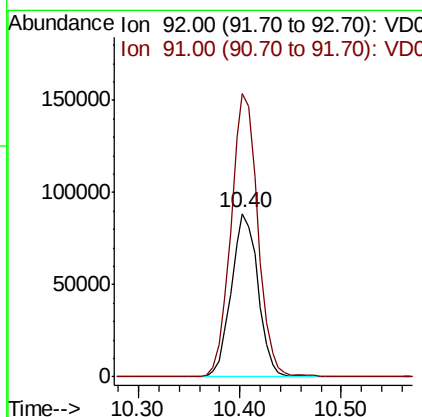
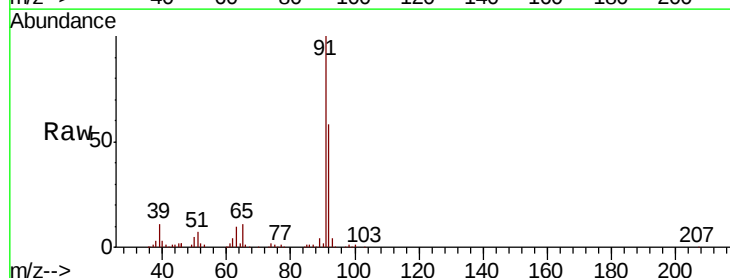
Manual Integrations
APPROVED

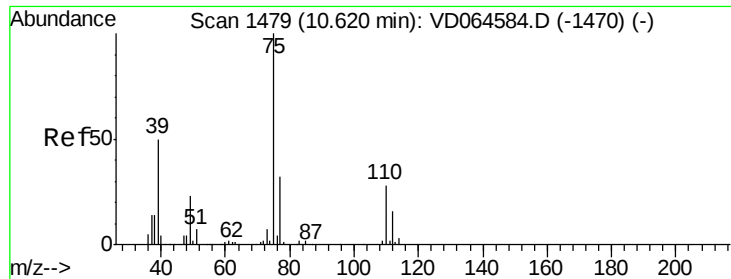
apatel
1/2/2020 10:42:58 AM



#52
Toluene
Concen: 17.520 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. 0.00 min
Lab File: VD064687.D
Acq: 31 Dec 2019 11:25

Tgt Ion	Ratio	Lower	Upper
92	100		
91	174.0	138.7	208.1





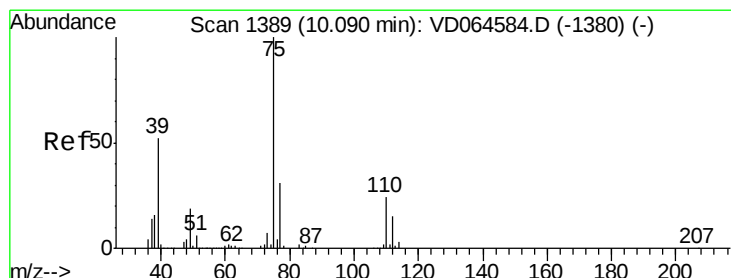
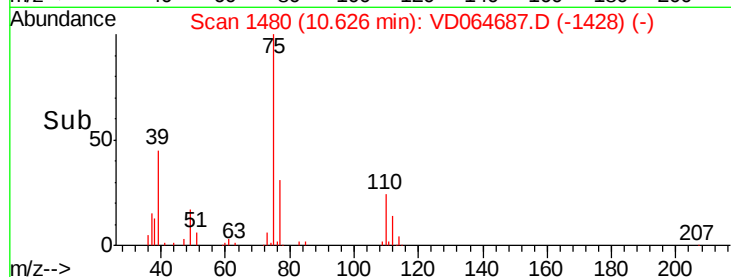
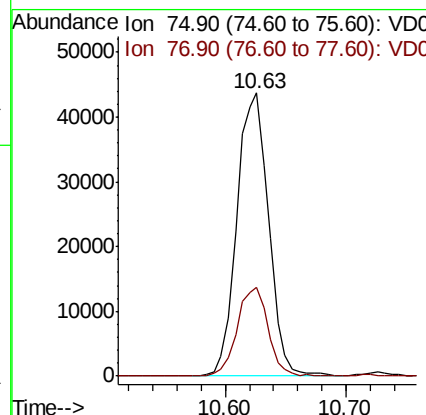
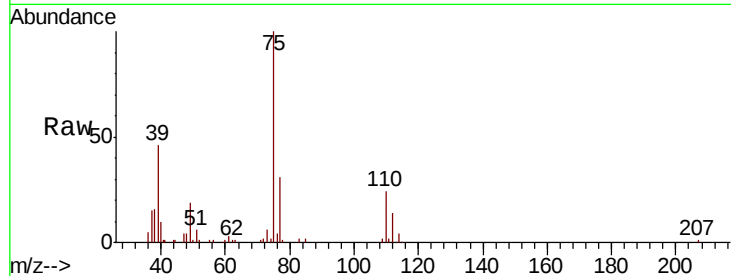
#53
t-1,3-Dichloropropene
Concen: 17.163 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.01 min
Lab File: VD064687.D
Acq: 31 Dec 2019 11:25

Instrument :
MSVOA_D
ClientSampleId :
VD1231SBS01

Tot Ion: 75 Resp: 79975
Ion Ratio Lower Upper
75 100
77 31.3 25.4 38.2

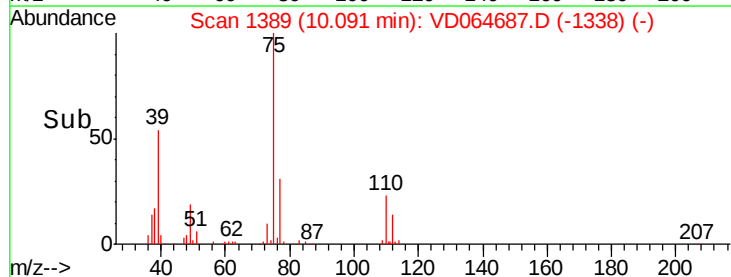
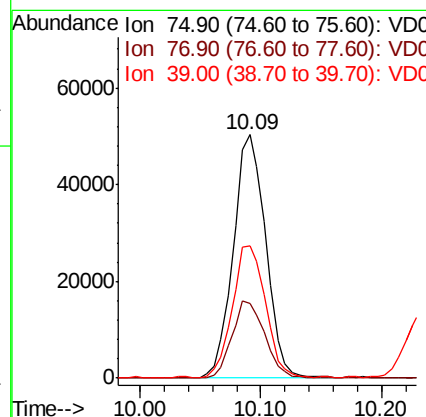
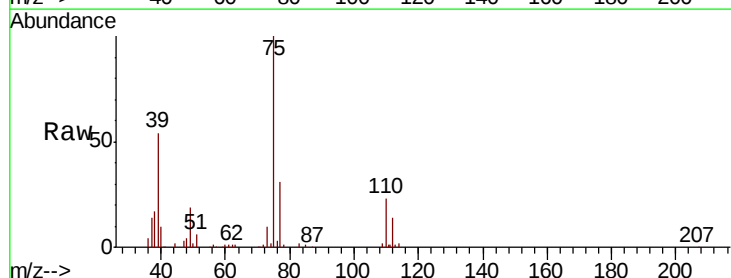
Manual Integrations
APPROVED

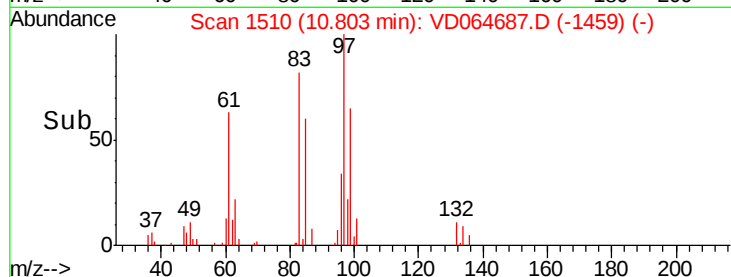
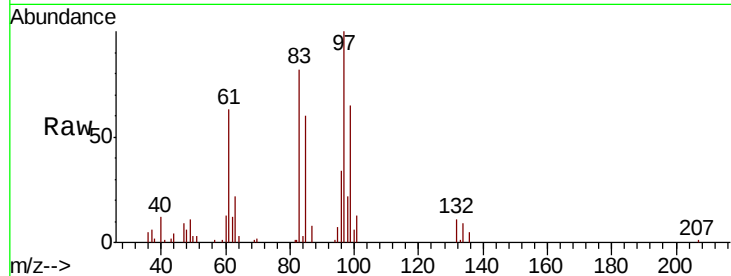
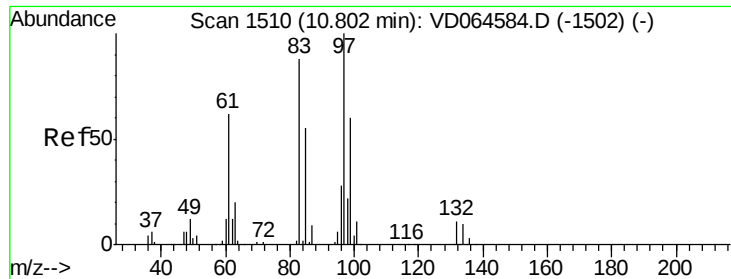
apatel
1/2/2020 10:42:58 AM



#54
cis-1,3-Dichloropropene
Concen: 17.128 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD064687.D
Acq: 31 Dec 2019 11:25

Tgt Ion: 75 Resp: 94112
Ion Ratio Lower Upper
75 100
77 30.9 24.6 36.8
39 53.9 41.4 62.2





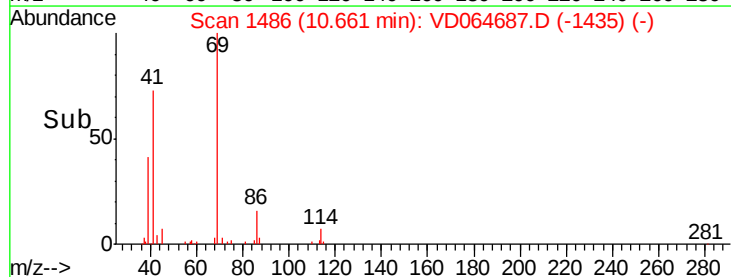
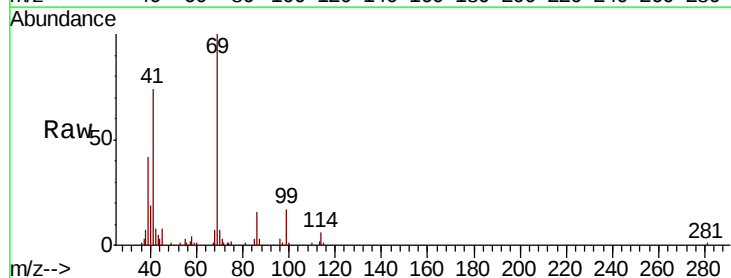
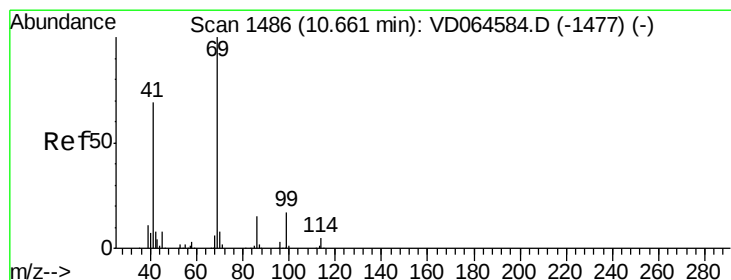
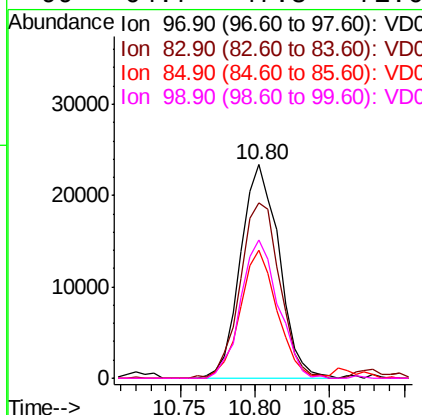
#55
 1,1,2-Trichloroethane
 Concen: 16.542 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064687.D
 Acq: 31 Dec 2019 11:25

Tot Ion	Ratio	Resp	Lower	Upper
97	100	41874		
83	82.1	70.2	105.4	
85	60.1	44.0	66.0	
99	64.7	47.8	71.6	

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1231SBS01

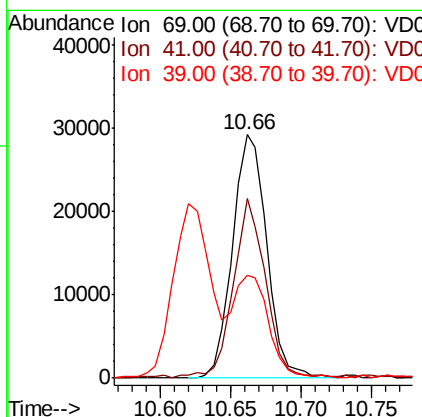
Manual Integrations
 APPROVED

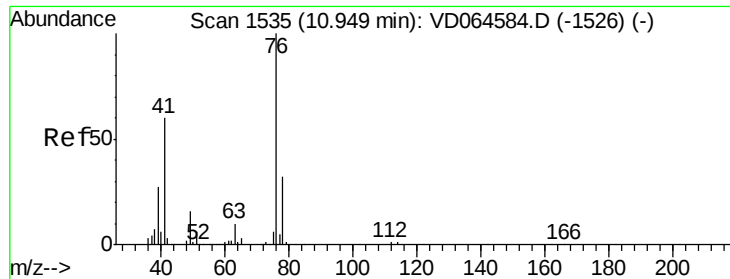
apatel
 1/2/2020 10:42:58 AM



#56
 Ethyl methacrylate
 Concen: 15.633 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD064687.D
 Acq: 31 Dec 2019 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	49421		
41	69.8	55.3	82.9	
39	44.8	33.8	50.8	





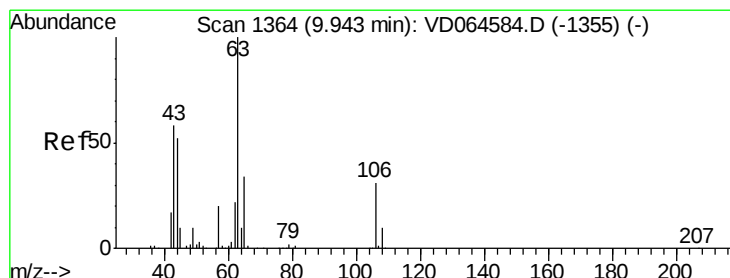
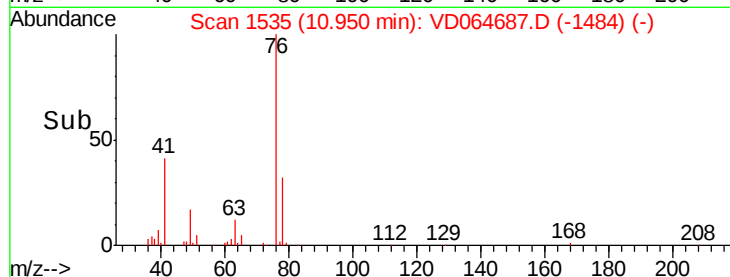
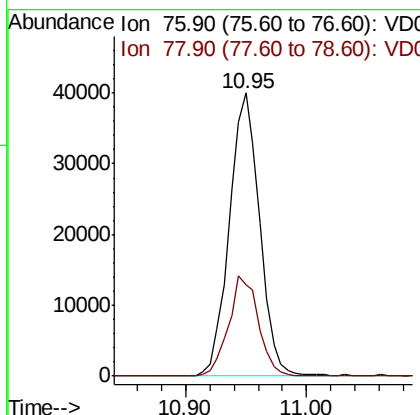
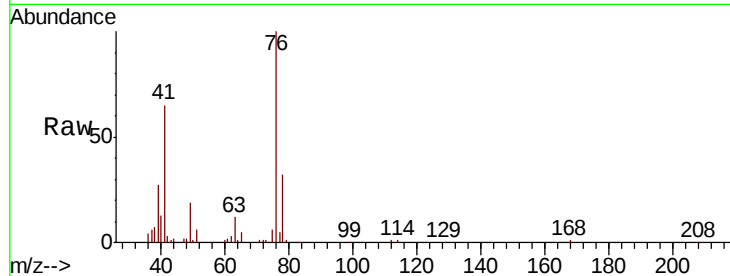
#57
 1,3-Dichloropropane
 Concen: 16.024 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064687.D
 Acq: 31 Dec 2019 11:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1231SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	34.8	26.2	39.4

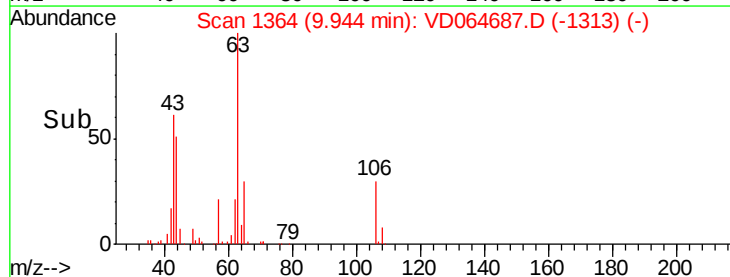
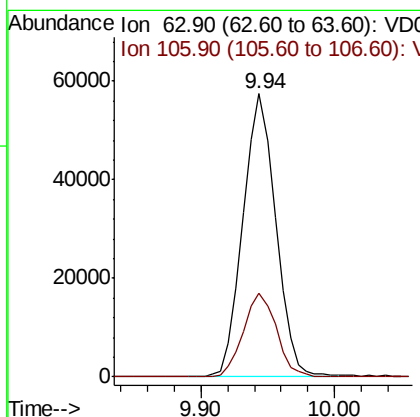
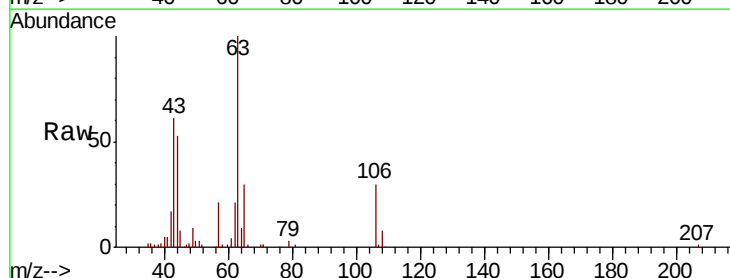
Manual Integrations
 APPROVED

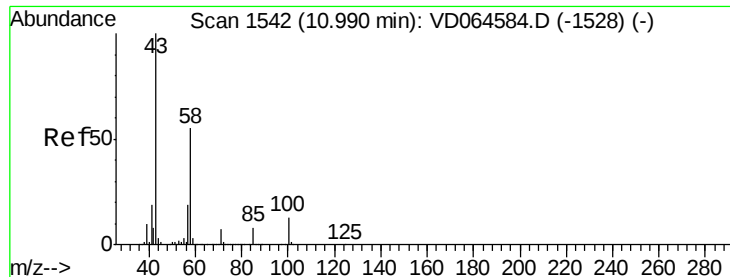
apatel
 1/2/2020 10:42:58 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 81.004 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064687.D
 Acq: 31 Dec 2019 11:25

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.5	23.8	35.8





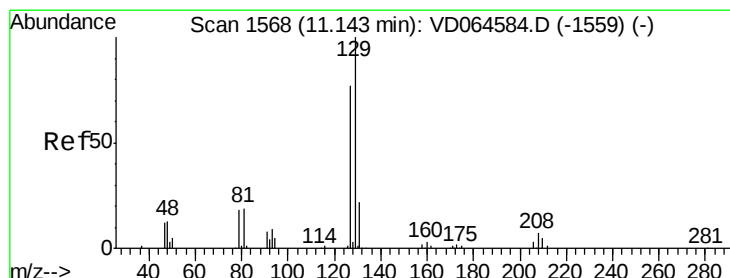
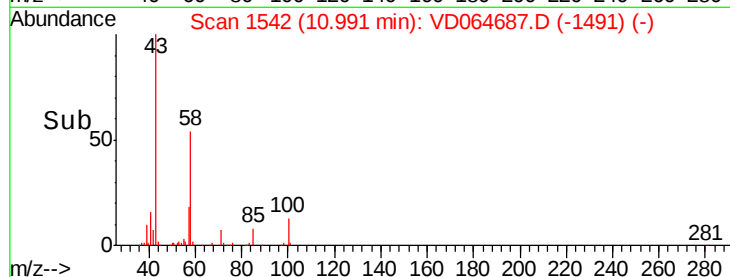
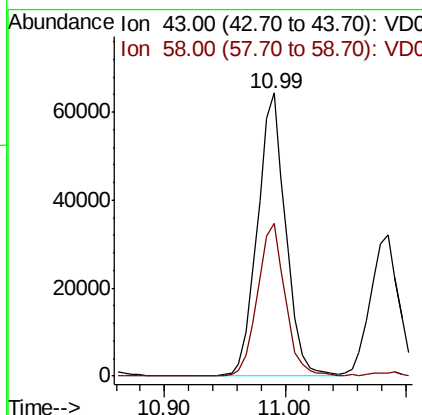
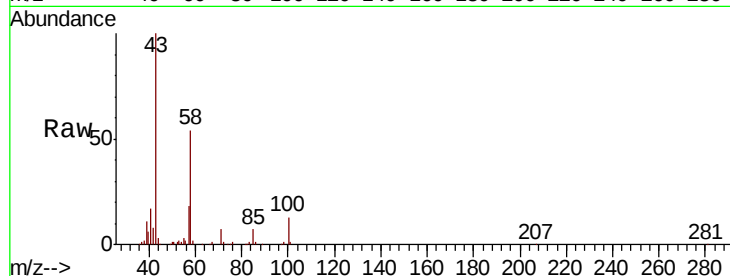
#59
2-Hexanone
Concen: 77.638 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064687.D
Acq: 31 Dec 2019 11:25

Instrument :
MSVOA_D
ClientSampleId :
VD1231SBS01

Tot Ion: 43 Resp: 105267
Ion Ratio Lower Upper
43 100
58 52.8 26.4 79.0

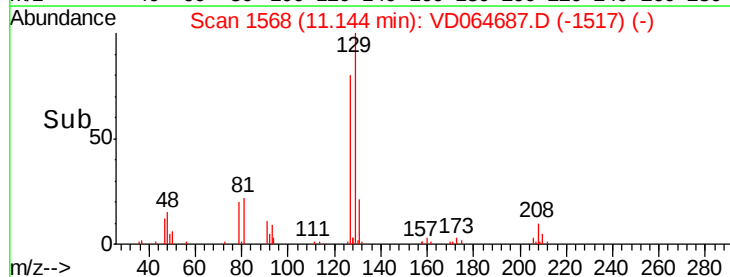
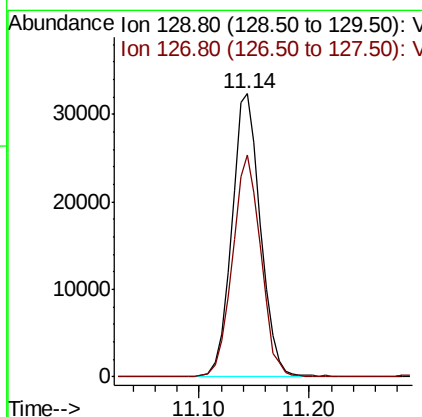
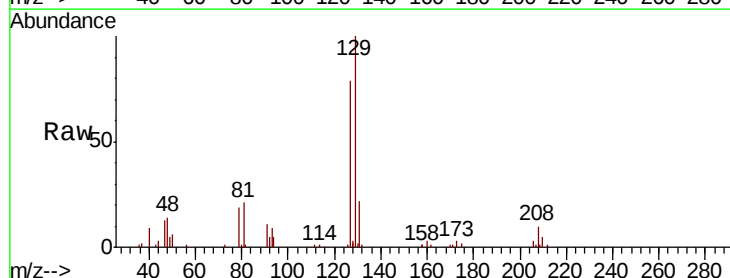
Manual Integrations
APPROVED

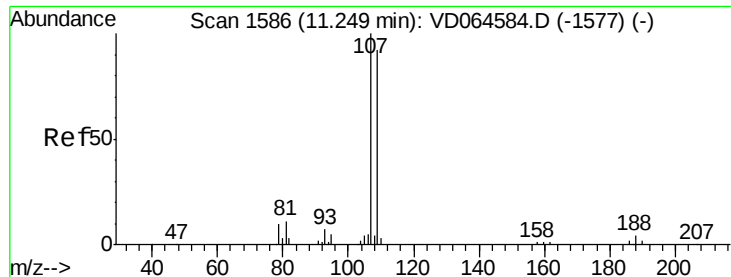
apatel
1/2/2020 10:42:58 AM



#60
Dibromochloromethane
Concen: 16.788 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064687.D
Acq: 31 Dec 2019 11:25

Tgt Ion:129 Resp: 58765
Ion Ratio Lower Upper
129 100
127 77.7 38.4 115.2





#61

1,2-Dibromoethane

Concen: 16.391 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VD064687.D

Acq: 31 Dec 2019 11:25

Instrument :

MSVOA_D

ClientSampleId :

VD1231SBS01

Tot Ion: 107 Resp: 40924

Ion Ratio Lower Upper

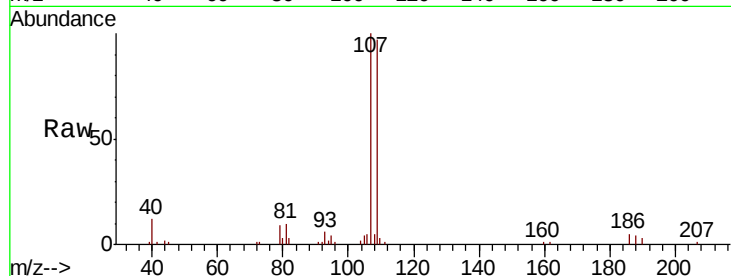
107 100

109 96.0 75.6 113.4

Manual Integrations
APPROVED

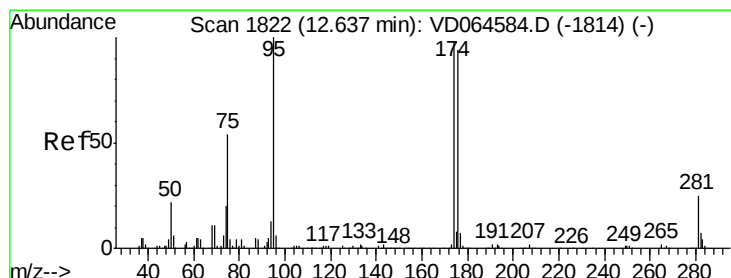
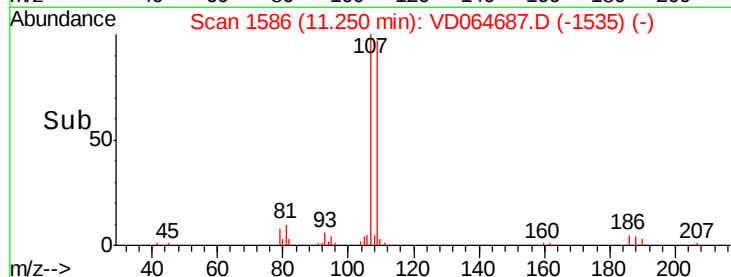
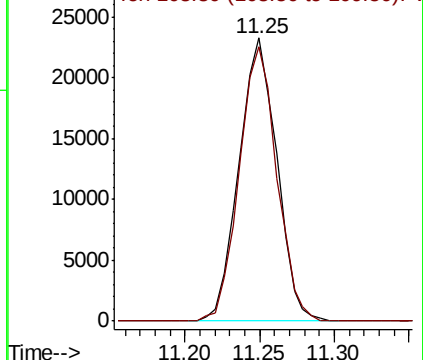
apatel

1/2/2020 10:42:58 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 54.406 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064687.D

Acq: 31 Dec 2019 11:25

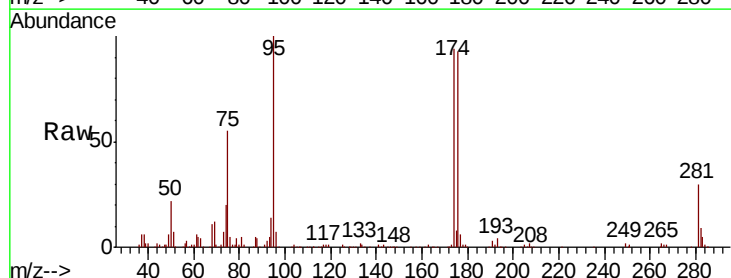
Tgt Ion: 95 Resp: 217079

Ion Ratio Lower Upper

95 100

174 94.9 0.0 193.2

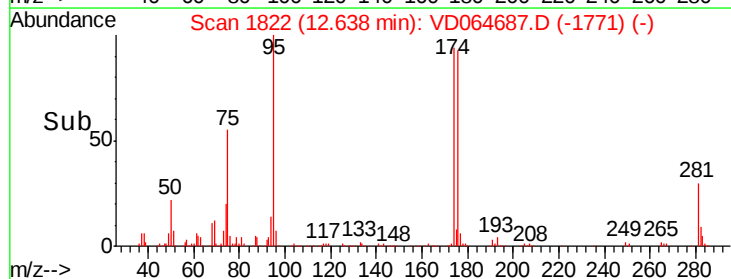
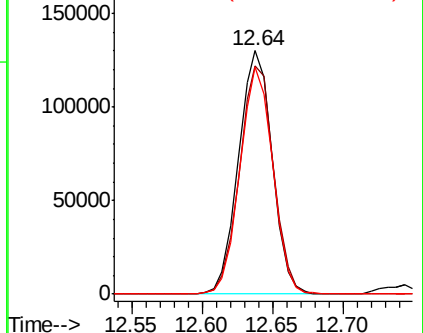
176 91.1 0.0 184.2

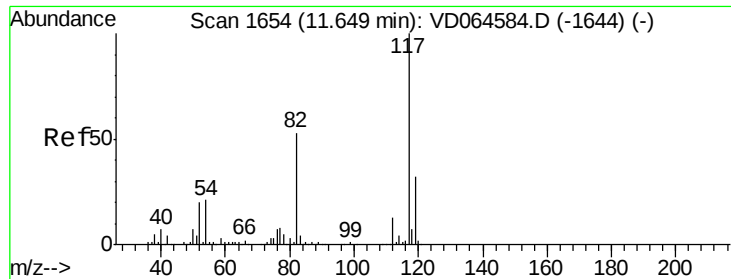


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





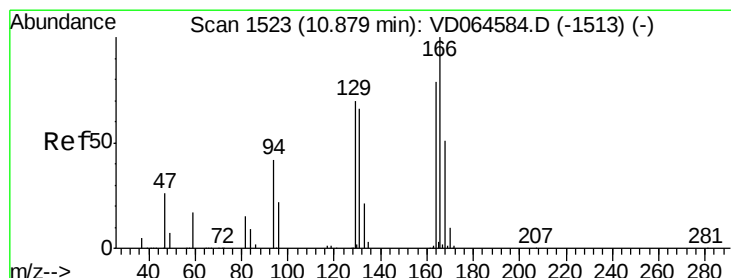
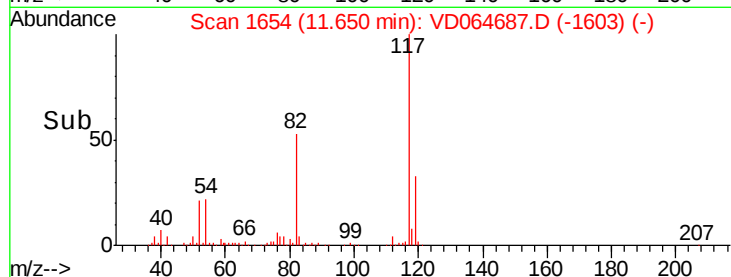
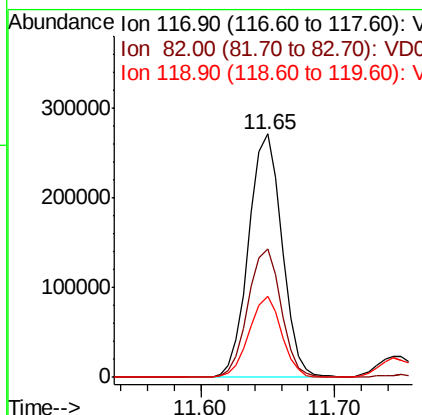
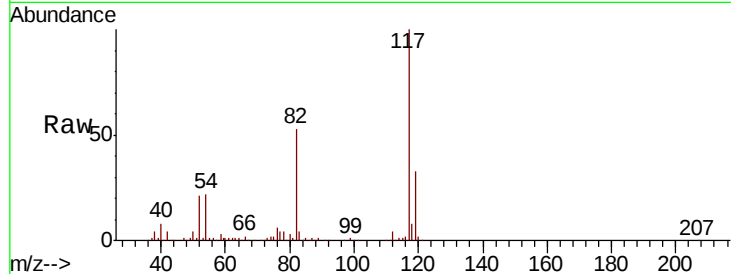
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064687.D
Acq: 31 Dec 2019 11:25

Instrument :
MSVOA_D
ClientSampleId :
VD1231SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.9	42.2	63.4
119	33.4	26.0	39.0

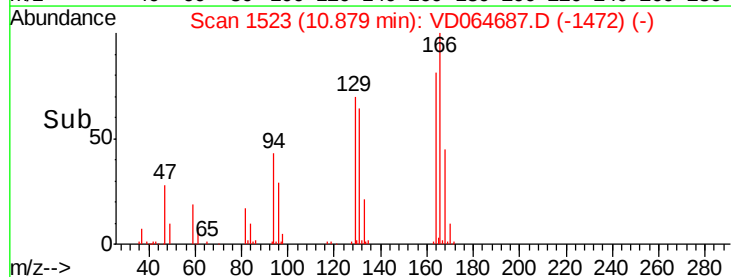
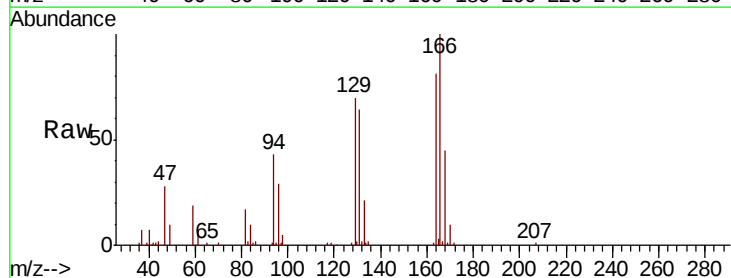
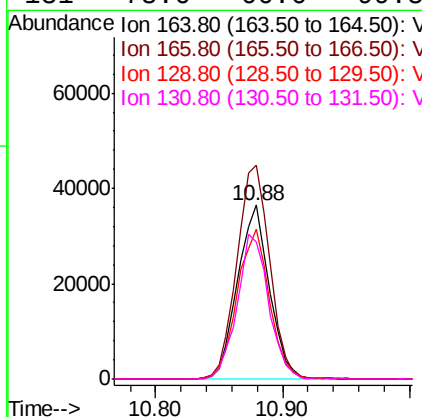
Manual Integrations
APPROVED

apatel
1/2/2020 10:42:58 AM



#64
Tetrachloroethene
Concen: 17.722 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064687.D
Acq: 31 Dec 2019 11:25

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.8	101.3	151.9
129	86.1	70.5	105.7
131	78.6	66.6	99.8





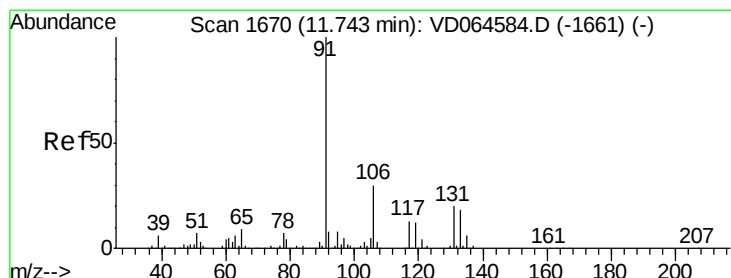
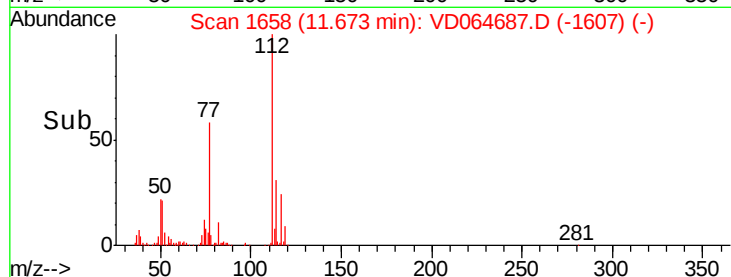
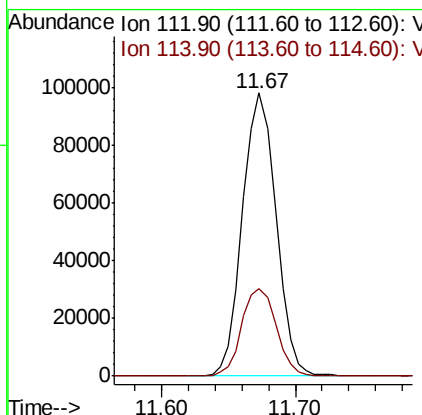
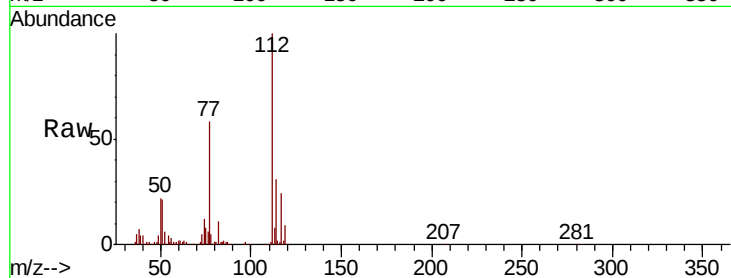
#65
Chlorobenzene
Concen: 17.622 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064687.D
Acq: 31 Dec 2019 11:25

Instrument :
MSVOA_D
ClientSampleId :
VD1231SBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.0	24.8	37.2

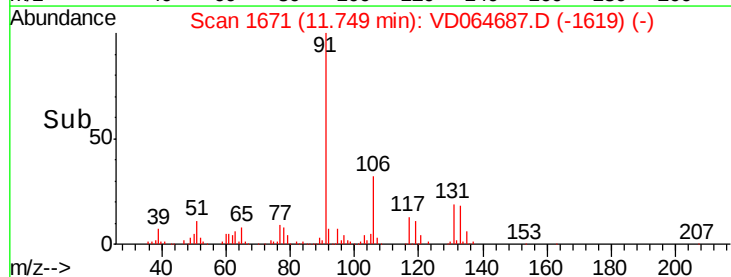
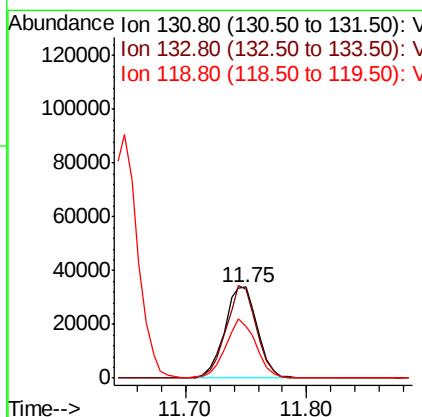
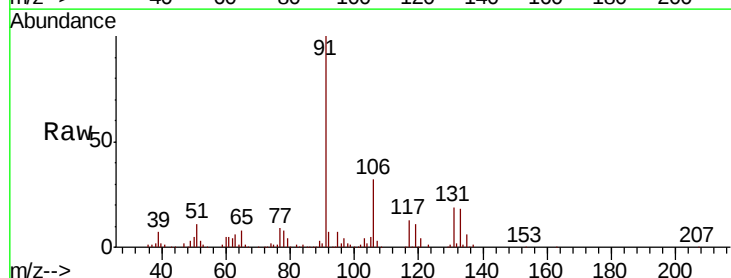
Manual Integrations
APPROVED

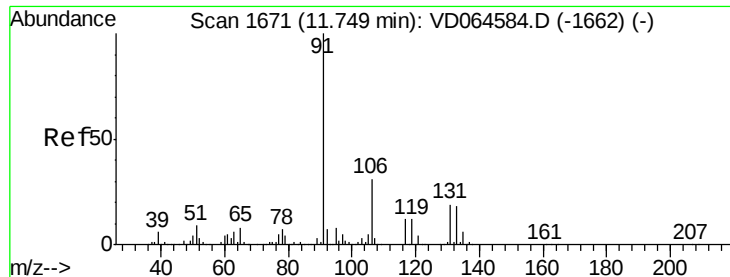
apatel
1/2/2020 10:42:58 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 17.342 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064687.D
Acq: 31 Dec 2019 11:25

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.8	48.3	144.8
119	60.3	32.1	96.3





#67

Ethyl Benzene

Concen: 17.177 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064687.D

Acq: 31 Dec 2019 11:25

Instrument :

MSVOA_D

ClientSampleID :

VD1231SBS01

Tot Ion: 91 Resp: 302432

Ion Ratio Lower Upper

91 100

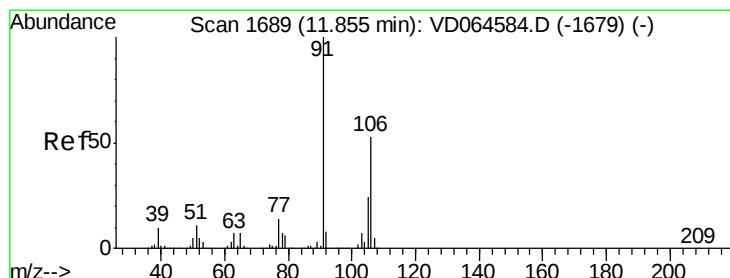
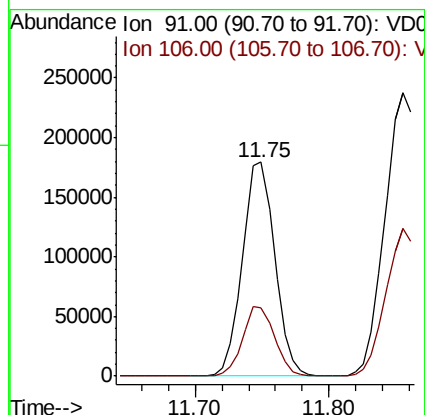
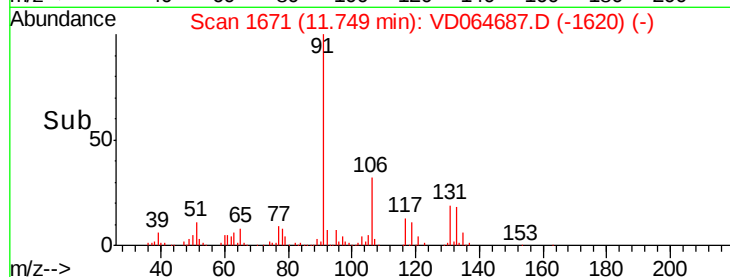
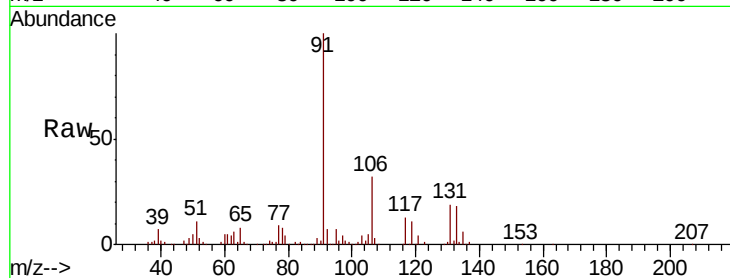
106 31.7 24.6 36.8

Manual Integrations

APPROVED

apatel

1/2/2020 10:42:58 AM



#68

m/p-Xylenes

Concen: 34.187 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064687.D

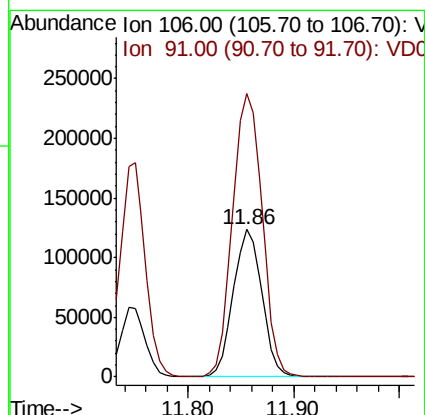
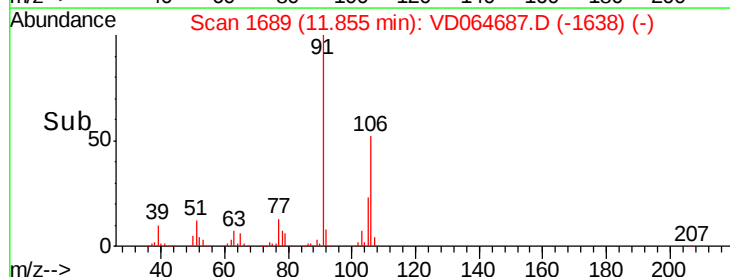
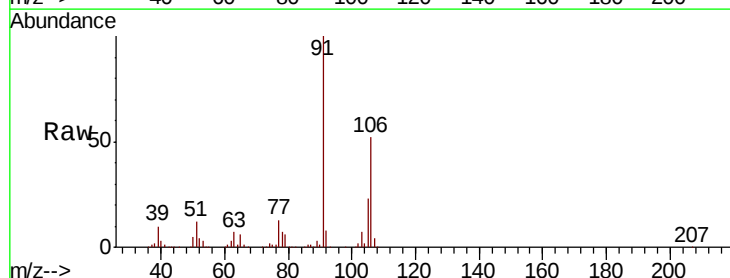
Acq: 31 Dec 2019 11:25

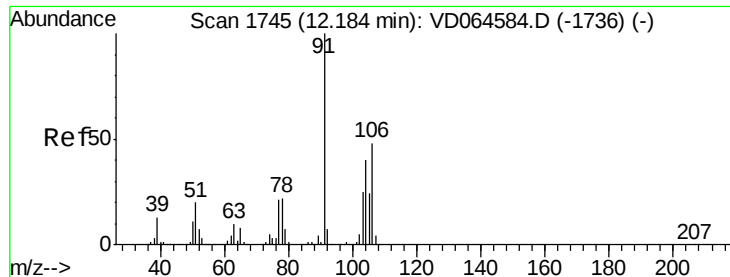
Tgt Ion: 106 Resp: 232336

Ion Ratio Lower Upper

106 100

91 198.9 156.3 234.5





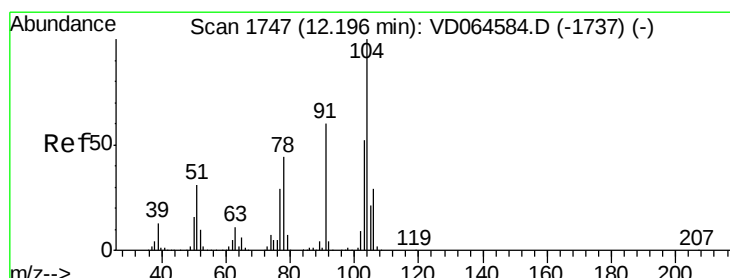
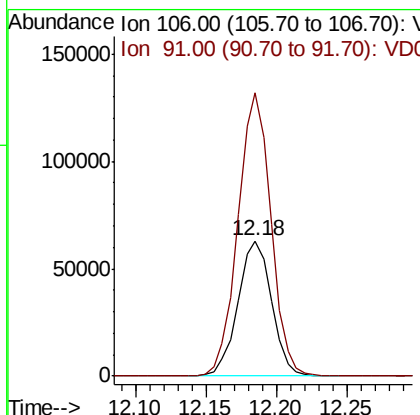
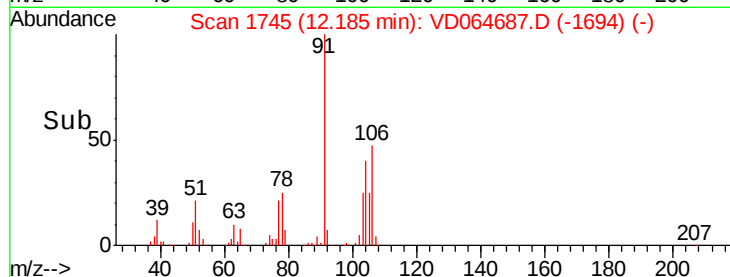
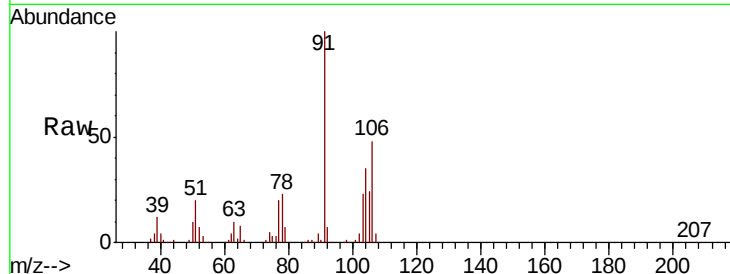
#69
o-Xylene
Concen: 17.110 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064687.D
Acq: 31 Dec 2019 11:25

Instrument :
MSVOA_D
ClientSampleID :
VD1231SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	205.8	104.8	314.4

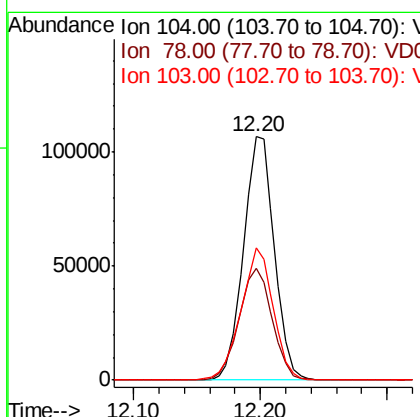
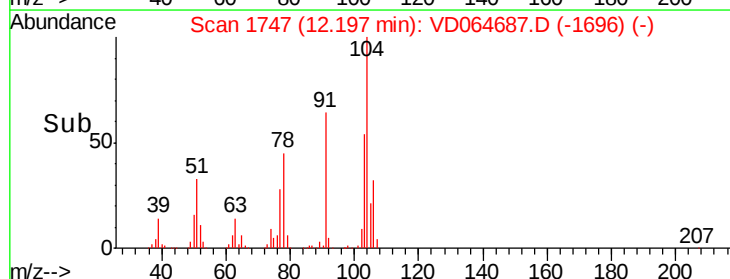
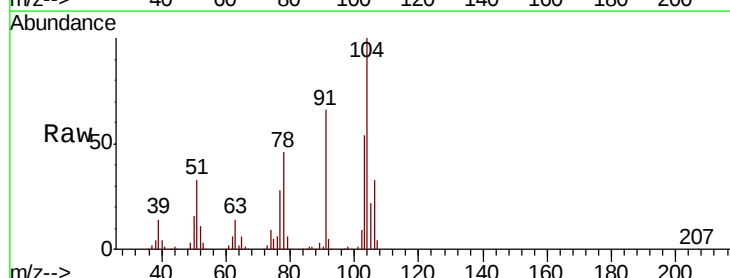
Manual Integrations
APPROVED

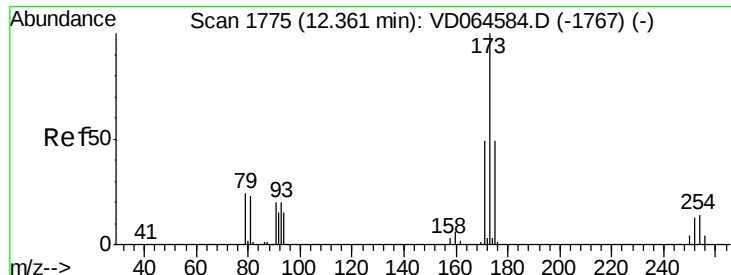
apatel
1/2/2020 10:42:58 AM



#70
Styrene
Concen: 16.735 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064687.D
Acq: 31 Dec 2019 11:25

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.4	38.2	57.2
103	56.3	44.6	67.0





#71

Bromoform

Concen: 16.824 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD064687.D

Acq: 31 Dec 2019 11:25

Instrument :

MSVOA_D

ClientSampleId :

VD1231SBS01

Tot Ion:173 Resp: 35087

Ion Ratio Lower Upper

173 100

175 48.1 24.6 73.8

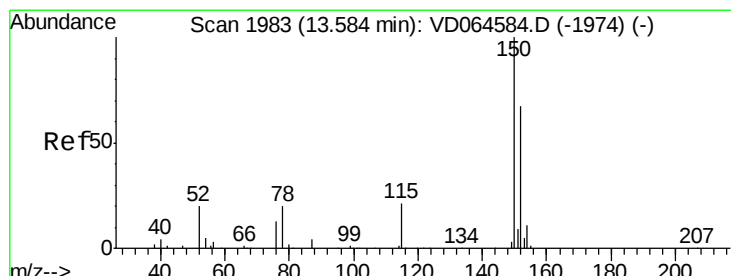
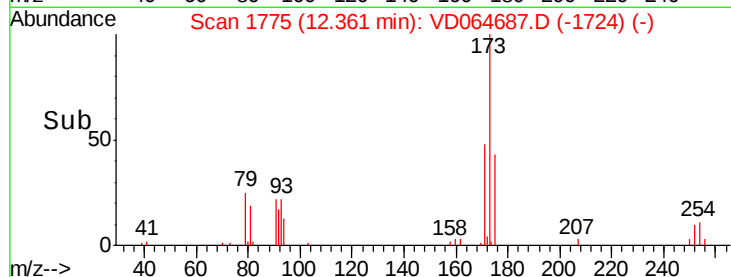
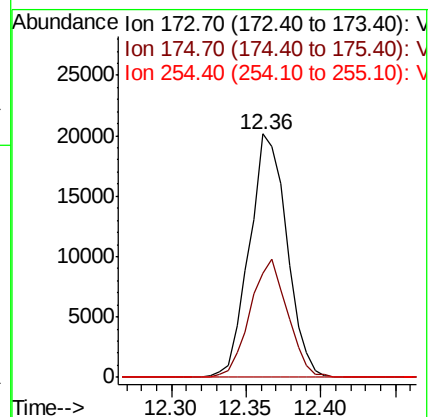
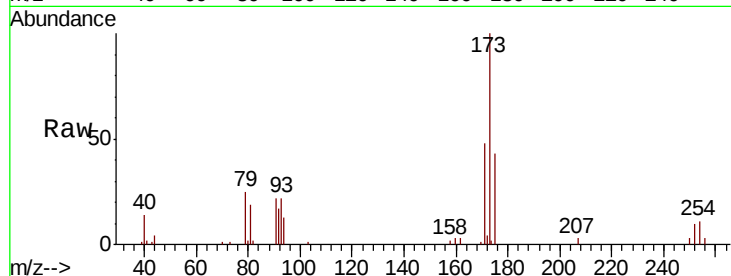
254 0.0 0.1 0.1#

Manual Integrations

APPROVED

apatel

1/2/2020 10:42:58 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD064687.D

Acq: 31 Dec 2019 11:25

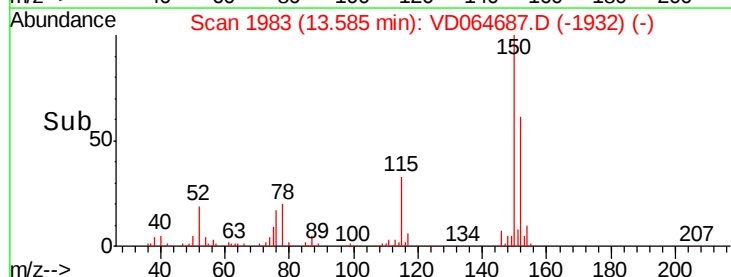
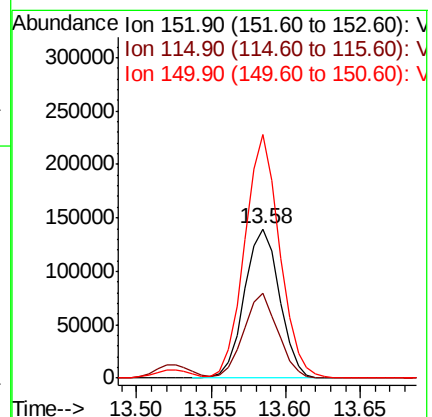
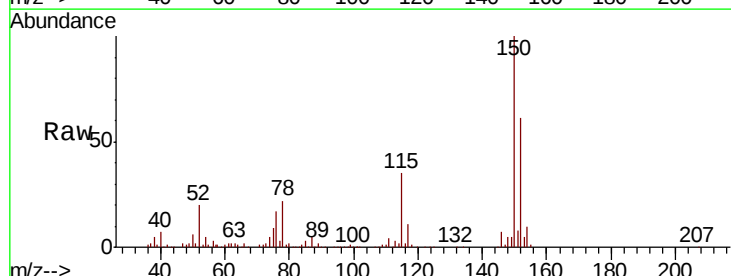
Tgt Ion:152 Resp: 228164

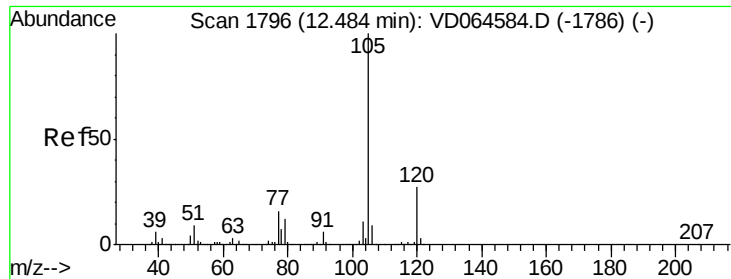
Ion Ratio Lower Upper

152 100

115 55.5 27.8 83.4

150 162.5 0.0 351.4





#73

Isopropylbenzene

Concen: 17.861 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064687.D

Acq: 31 Dec 2019 11:25

Instrument :

MSVOA_D

ClientSampleId :

VD1231SBS01

Tot Ion: 105 Resp: 291228

Ion Ratio Lower Upper

105 100

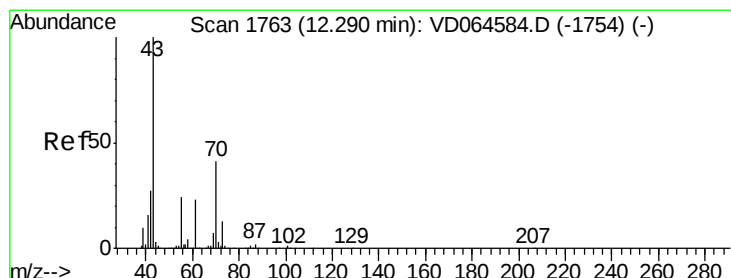
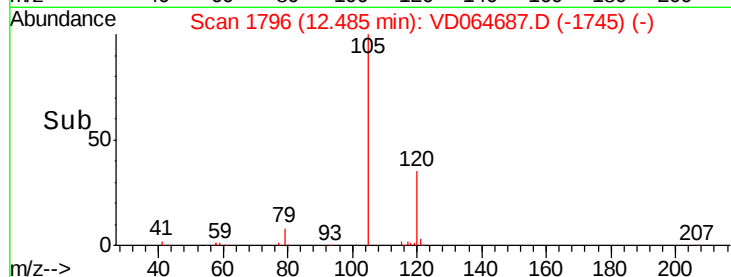
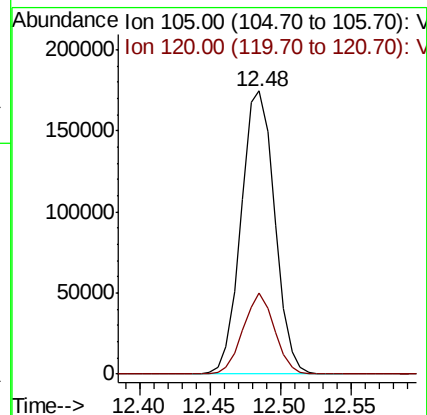
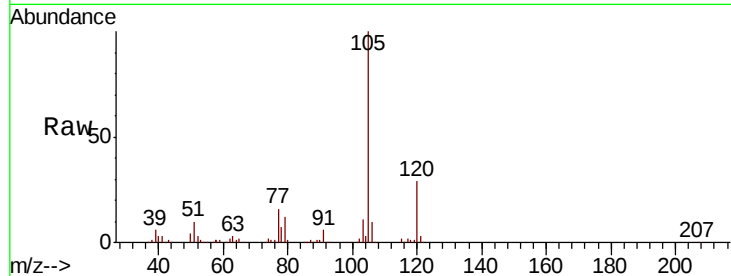
120 26.9 13.5 40.5

Manual Integrations

APPROVED

apatel

1/2/2020 10:42:58 AM



#74

N-ethyl acetate

Concen: 16.330 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064687.D

Acq: 31 Dec 2019 11:25

Tgt Ion: 43 Resp: 56918

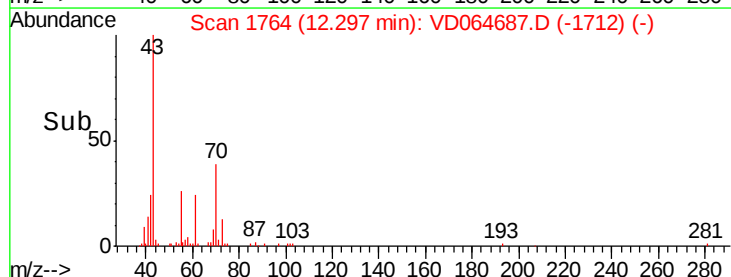
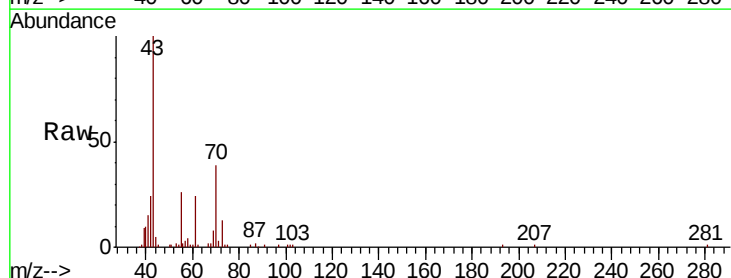
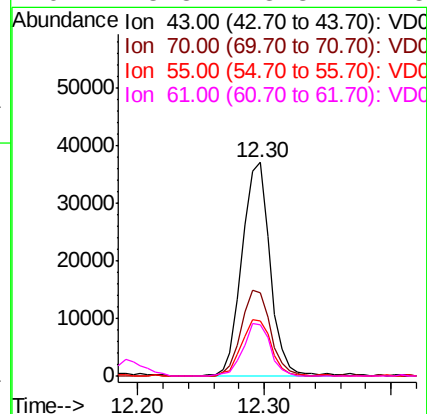
Ion Ratio Lower Upper

43 100

70 41.3 33.4 50.0

55 27.6 19.4 29.0

61 23.8 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 17.052 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064687.D

Acq: 31 Dec 2019 11:25

Instrument :

MSVOA_D

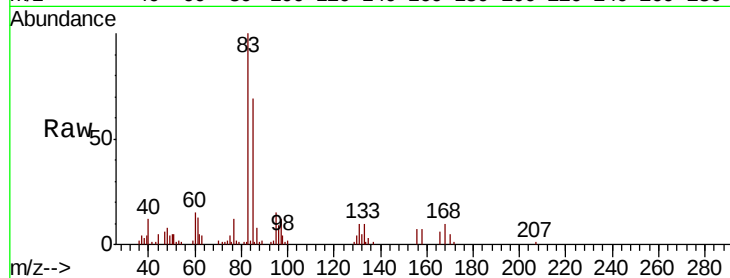
ClientSampleId :

VD1231SBS01

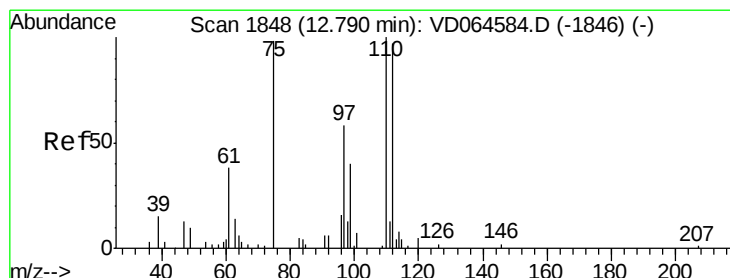
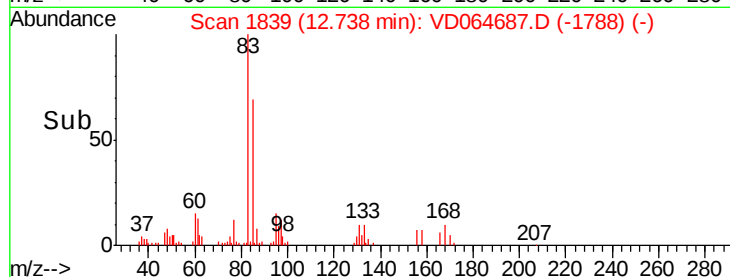
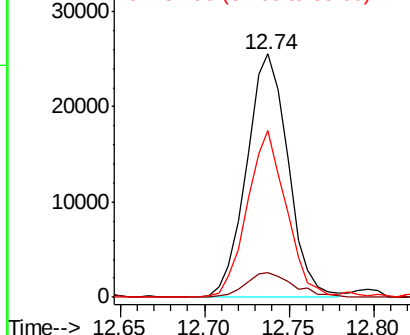
Tot Ion:	83	Resp:	43676
Ion	Ratio	Lower	Upper
83	100		
131	11.8	5.8	17.4
85	64.6	32.3	96.9

Manual Integrations
APPROVED

apatel
1/2/2020 10:42:58 AM



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



#76

1,2,3-Trichloropropane

Concen: 18.087 ug/l m

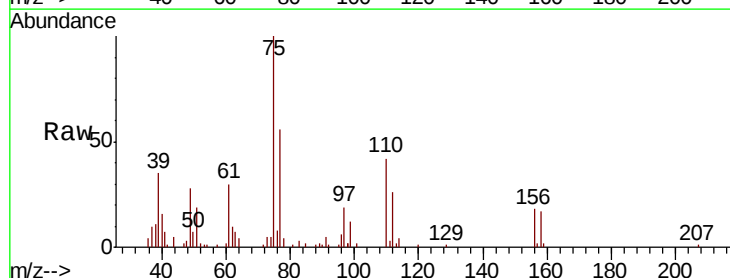
RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

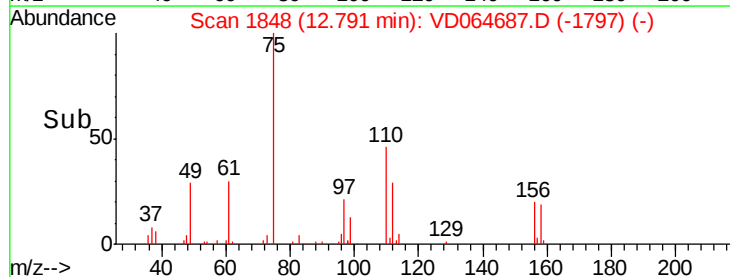
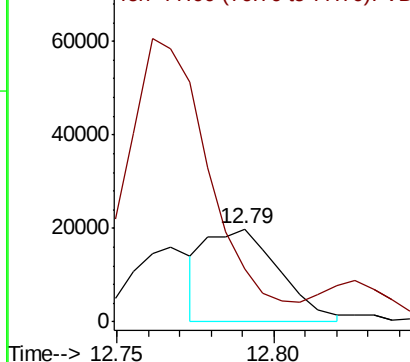
Lab File: VD064687.D

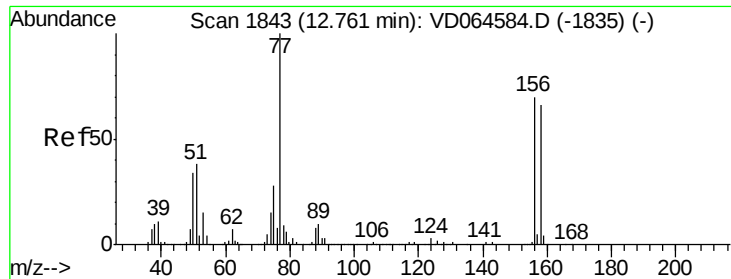
Acq: 31 Dec 2019 11:25

Tgt Ion:	75	Resp:	32587
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



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





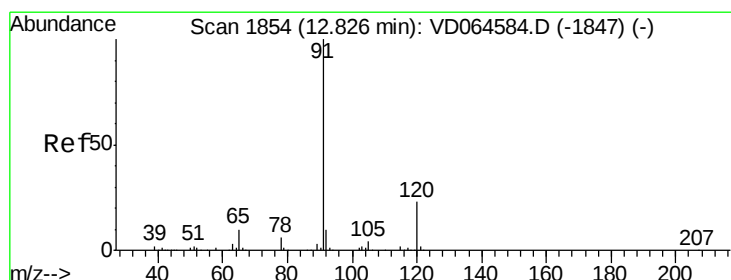
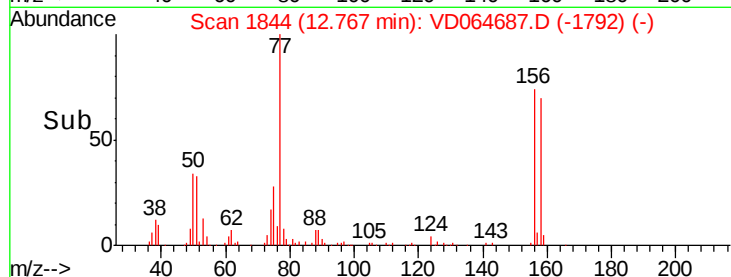
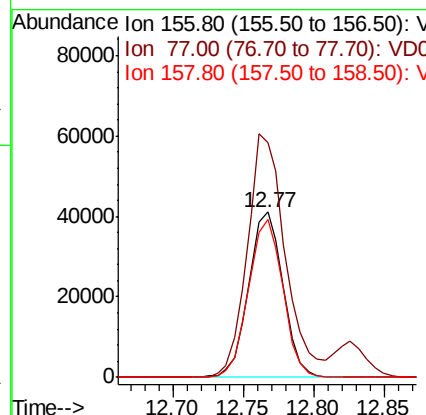
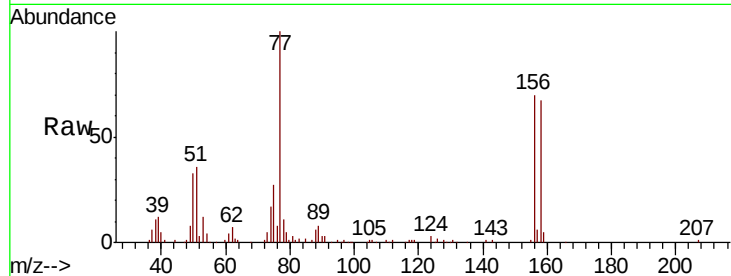
#77
Bromobenzene
Concen: 17.560 ug/l
RT: 12.77 min Scan# 1844
Delta R.T. 0.01 min
Lab File: VD064687.D
Acq: 31 Dec 2019 11:25

Instrument :
MSVOA_D
ClientSampleId :
VD1231SBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	163.3	80.9	242.7
158	95.2	48.0	144.2

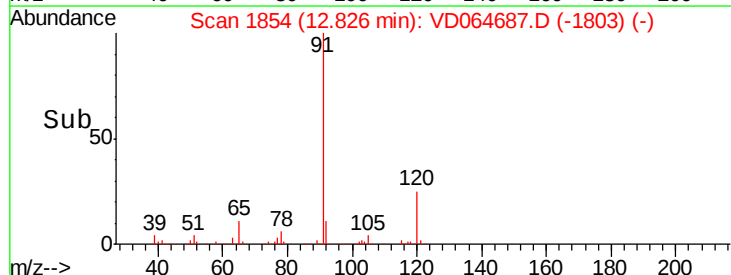
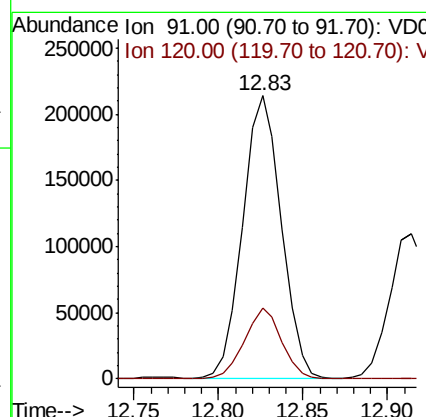
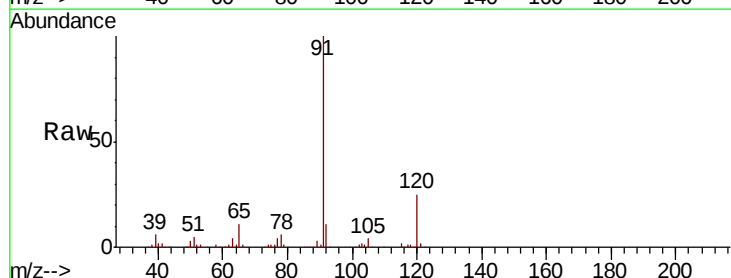
Manual Integrations
APPROVED

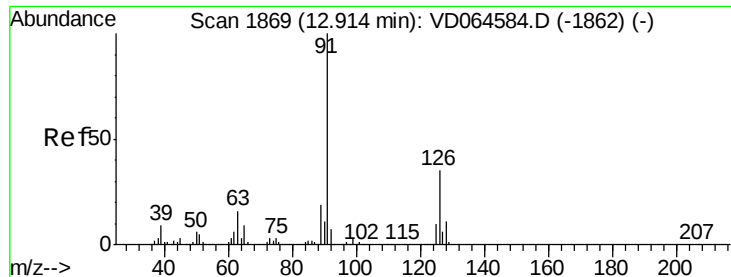
apatel
1/2/2020 10:42:58 AM



#78
n-propylbenzene
Concen: 17.839 ug/l
RT: 12.83 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VD064687.D
Acq: 31 Dec 2019 11:25

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.1	11.9	35.9





#79

2-Chlorotoluene

Concen: 17.774 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064687.D

Acq: 31 Dec 2019 11:25

Instrument :

MSVOA_D

ClientSampleId :

VD1231SBS01

Tot Ion: 91 Resp: 185732

Ion Ratio Lower Upper

91 100

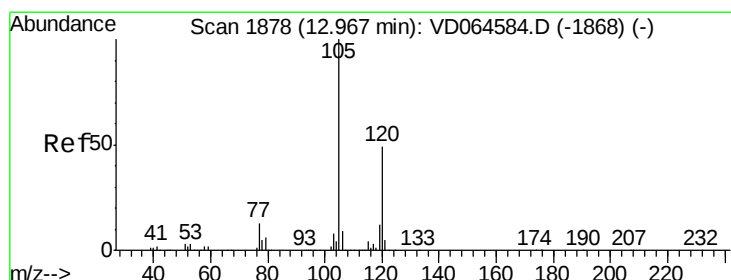
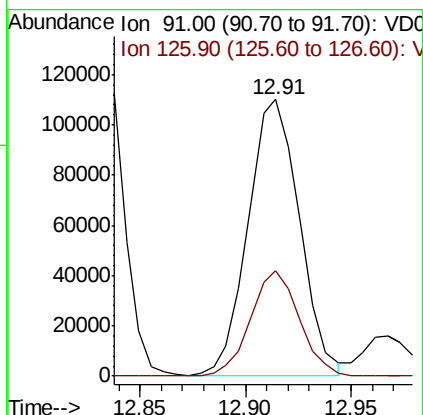
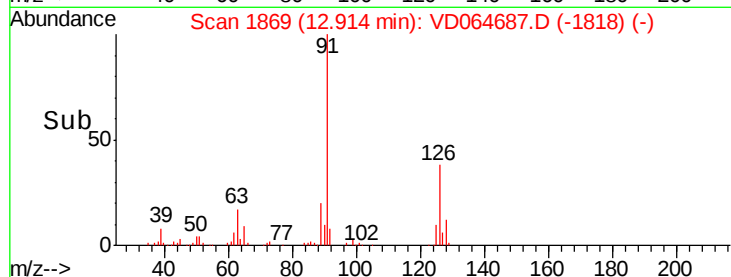
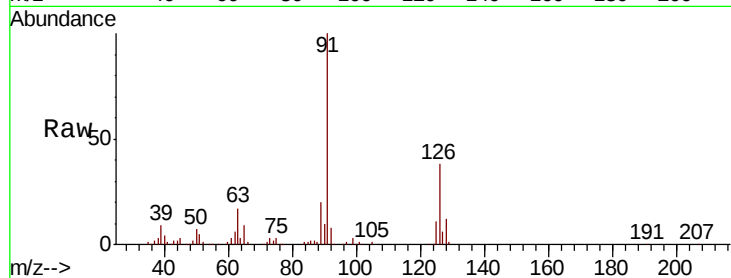
126 36.3 17.8 53.5

Manual Integrations

APPROVED

apatel

1/2/2020 10:42:58 AM



#80

1,3,5-Trimethylbenzene

Concen: 17.785 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064687.D

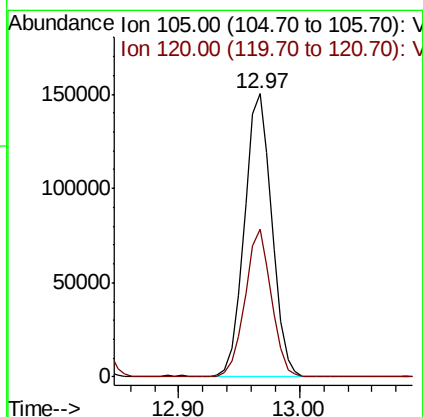
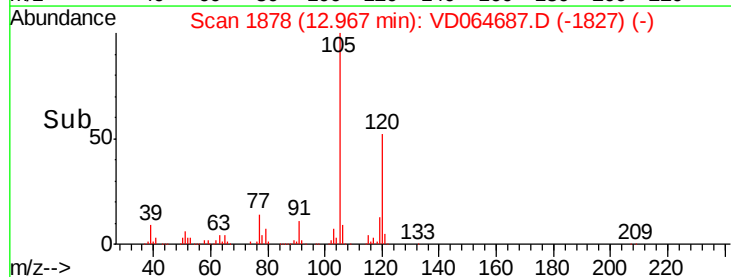
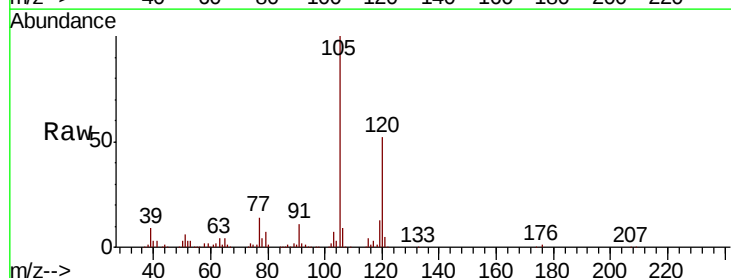
Acq: 31 Dec 2019 11:25

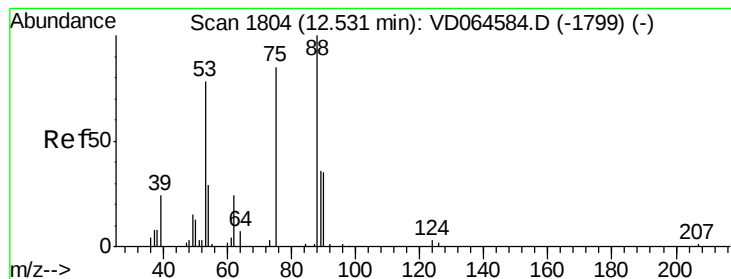
Tgt Ion: 105 Resp: 238215

Ion Ratio Lower Upper

105 100

120 50.1 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 17.081 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD064687.D

Acq: 31 Dec 2019 11:25

Instrument :

MSVOA_D

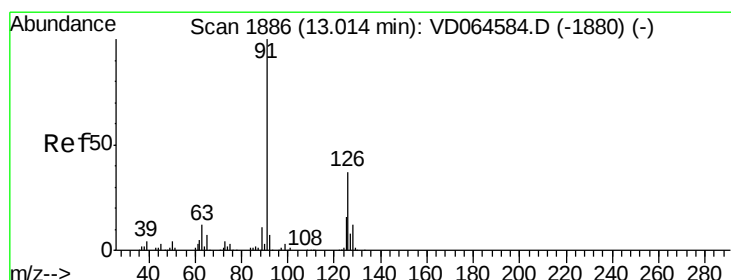
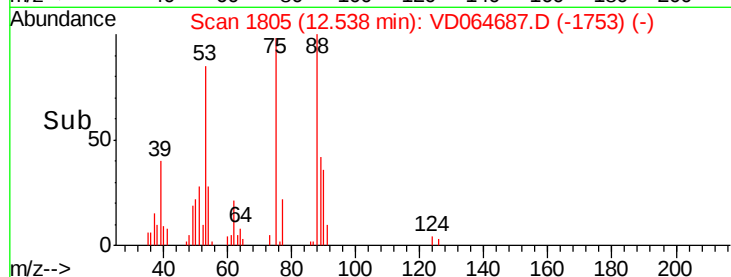
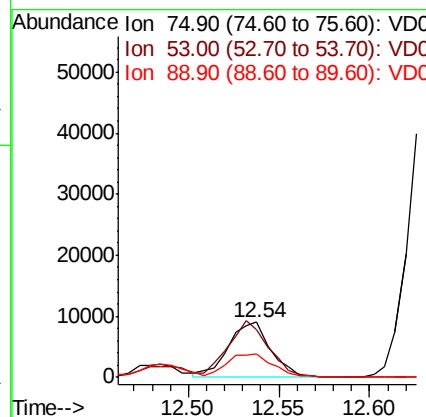
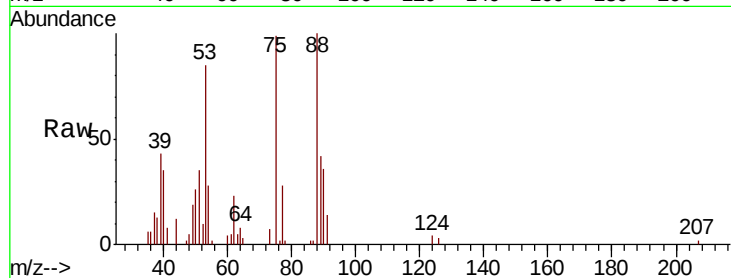
ClientSampleId :

VD1231SBS01

Tot Ion:	75	Resp:	14715
Ion Ratio	Lower	Upper	
75	100		
53	98.1	78.8	118.2
89	46.3	38.3	57.5

Manual Integrations
APPROVED

apatel
1/2/2020 10:42:58 AM



#82

4-Chlorotoluene

Concen: 17.752 ug/l

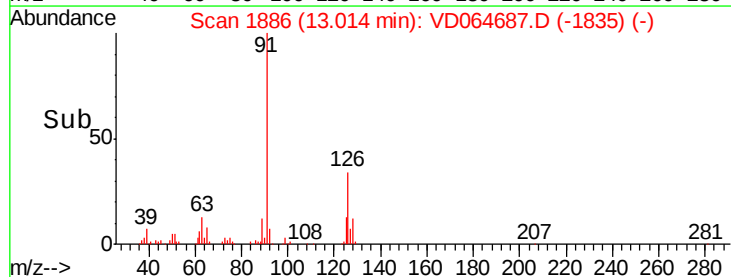
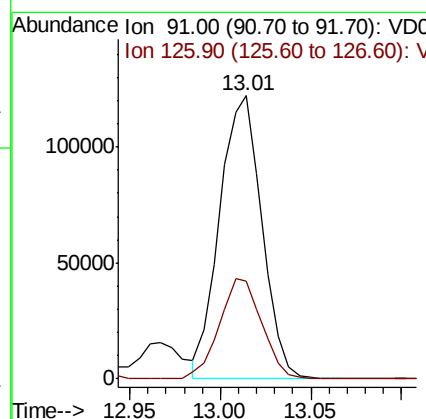
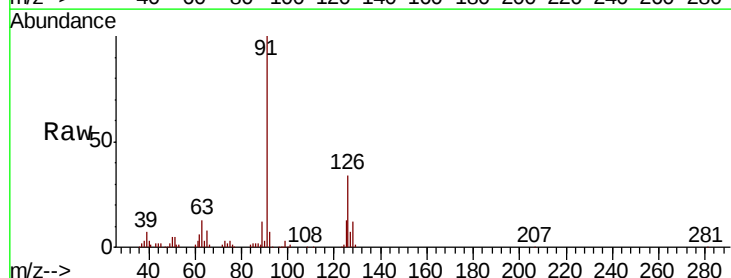
RT: 13.01 min Scan# 1886

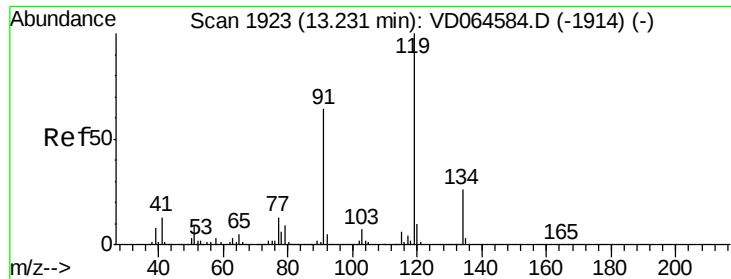
Delta R.T. 0.00 min

Lab File: VD064687.D

Acq: 31 Dec 2019 11:25

Tgt Ion:	91	Resp:	197408
Ion Ratio	Lower	Upper	
91	100		
126	35.5	17.8	53.5





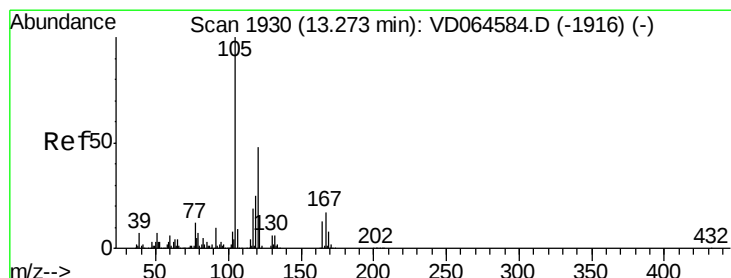
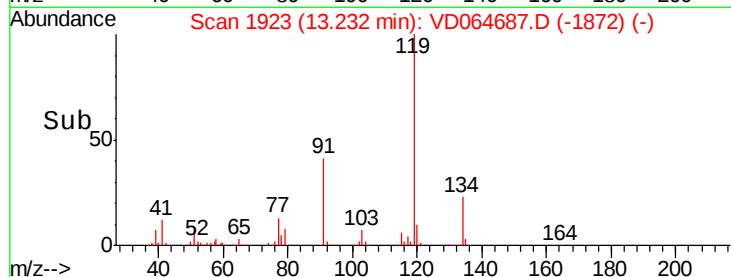
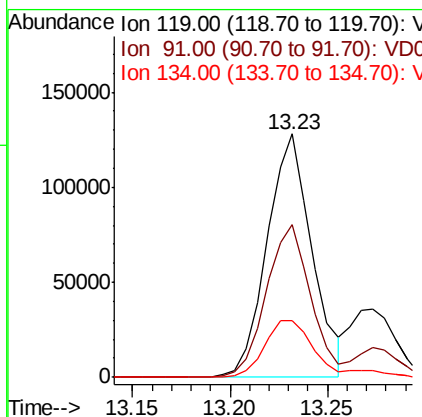
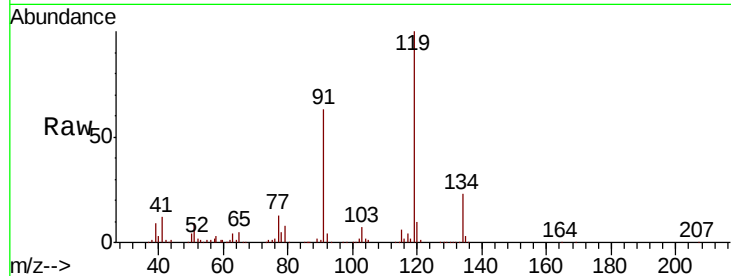
#83
tert-Butylbenzene
Concen: 17.548 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD064687.D
Acq: 31 Dec 2019 11:25

Instrument :
MSVOA_D
ClientSampleId :
VD1231SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	204069		
91	61.5		30.8	92.4
134	27.0		12.8	38.3

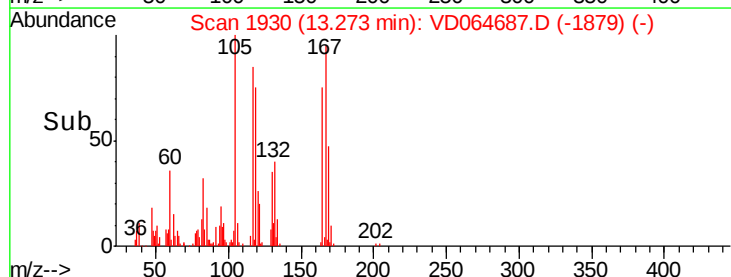
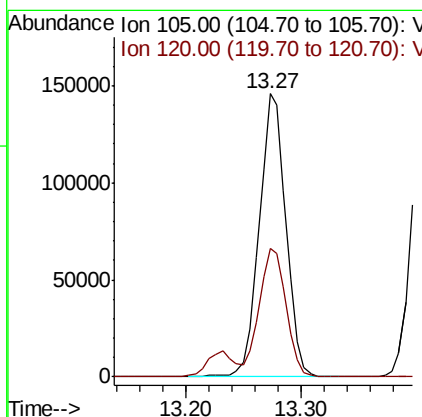
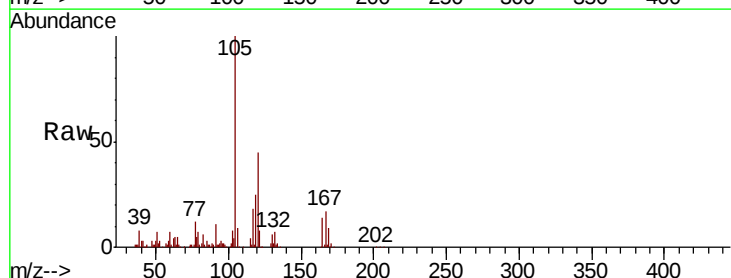
Manual Integrations
APPROVED

apatel
1/2/2020 10:42:58 AM



#84
1,2,4-Trimethylbenzene
Concen: 17.607 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD064687.D
Acq: 31 Dec 2019 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	234869		
120	45.7		23.8	71.2





#85

sec-Butylbenzene

Concen: 17.840 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064687.D

Acq: 31 Dec 2019 11:25

Instrument :

MSVOA_D

ClientSampleId :

VD1231SBS01

Tot Ion:105 Resp: 284419

Ion Ratio Lower Upper

105 100

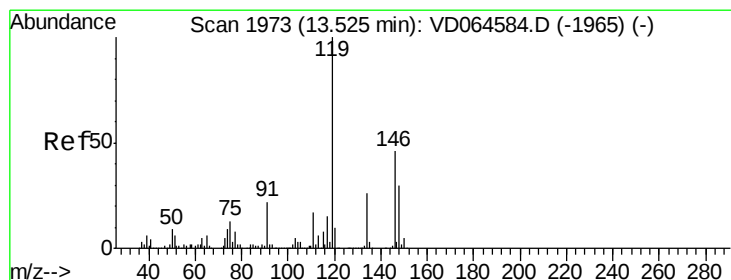
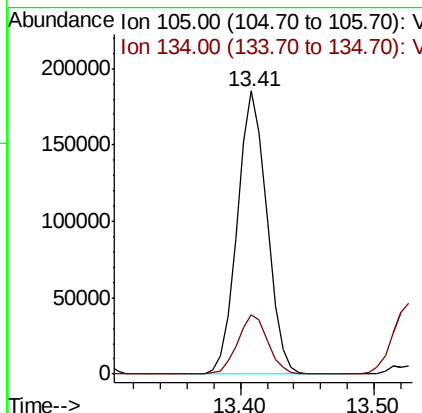
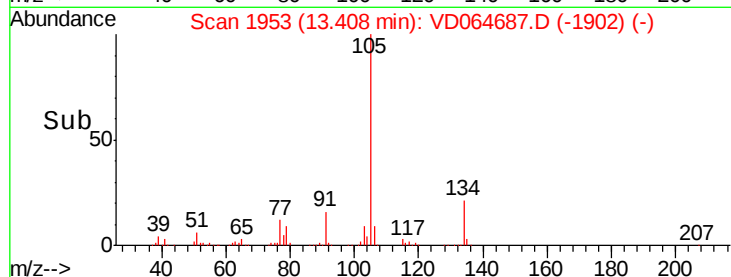
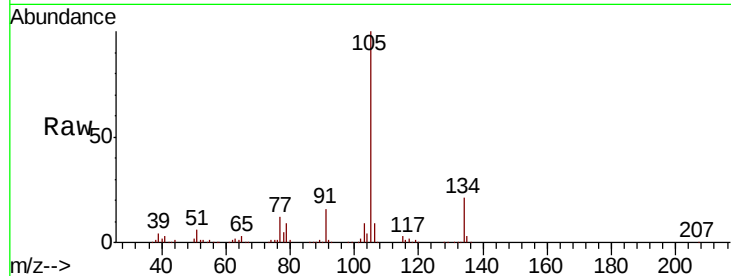
134 21.3 10.6 31.8

Manual Integrations

APPROVED

apatel

1/2/2020 10:42:58 AM



#86

p-Isopropyltoluene

Concen: 17.330 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064687.D

Acq: 31 Dec 2019 11:25

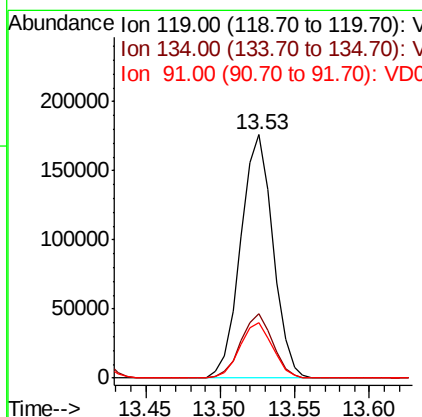
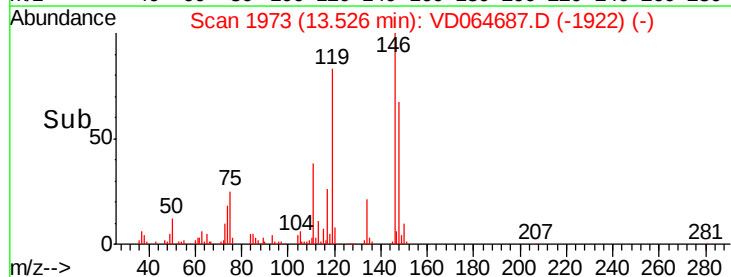
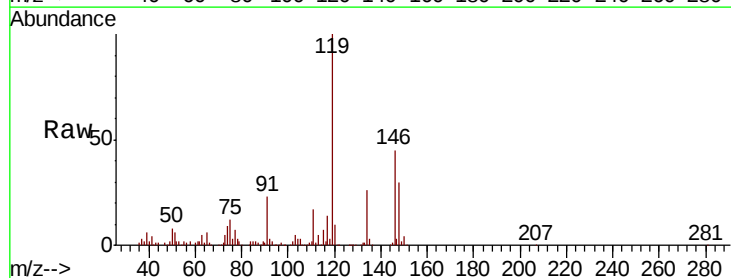
Tgt Ion:119 Resp: 264186

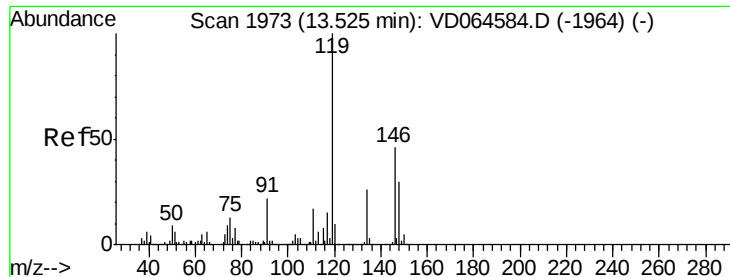
Ion Ratio Lower Upper

119 100

134 26.3 13.4 40.1

91 23.4 11.2 33.6





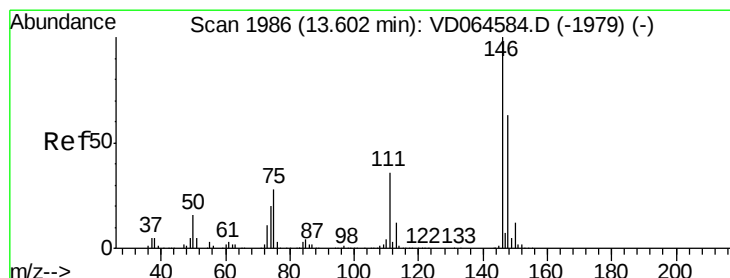
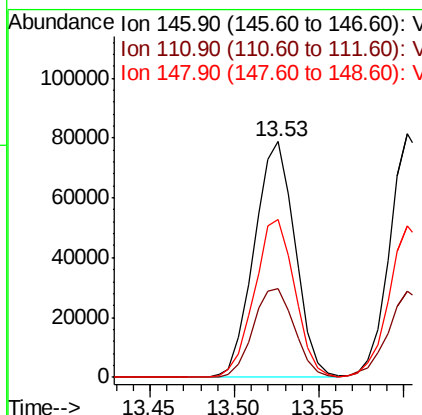
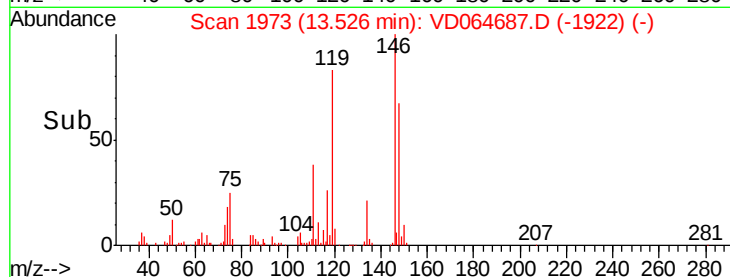
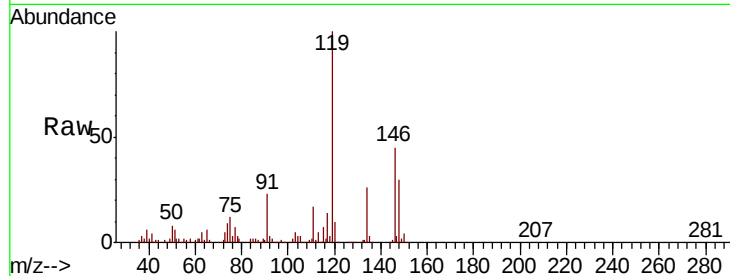
#87
 1,3-Dichlorobenzene
 Concen: 17.298 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064687.D
 Acq: 31 Dec 2019 11:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1231SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.8	56.4
148	66.5	32.5	97.5

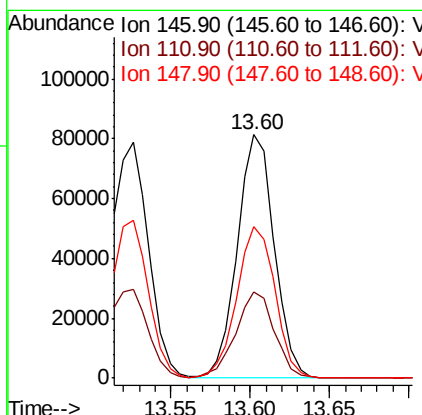
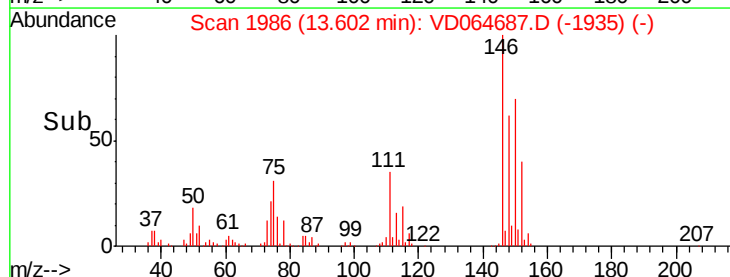
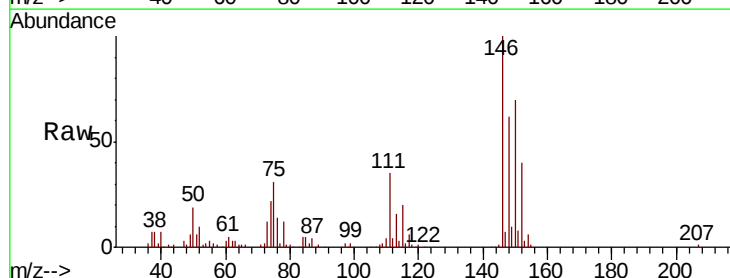
Manual Integrations
 APPROVED

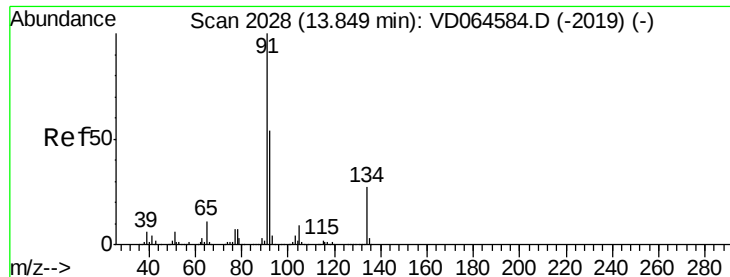
apatel
 1/2/2020 10:42:58 AM



#88
 1,4-Dichlorobenzene
 Concen: 17.532 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064687.D
 Acq: 31 Dec 2019 11:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.1	54.1
148	64.4	32.3	96.9





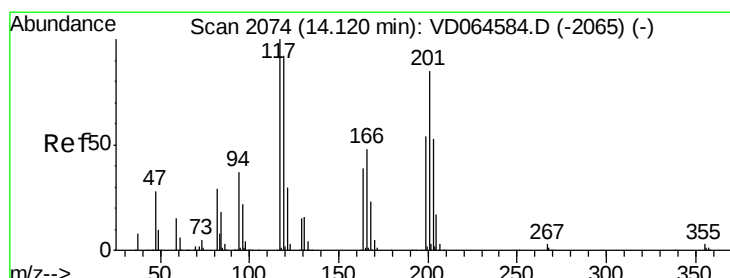
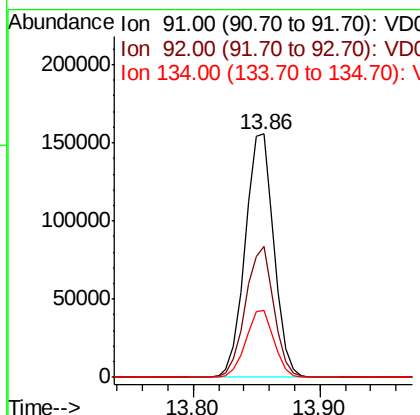
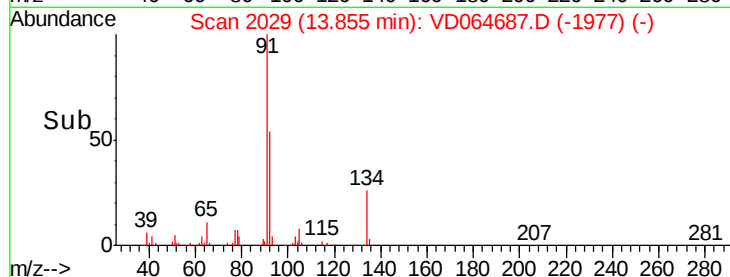
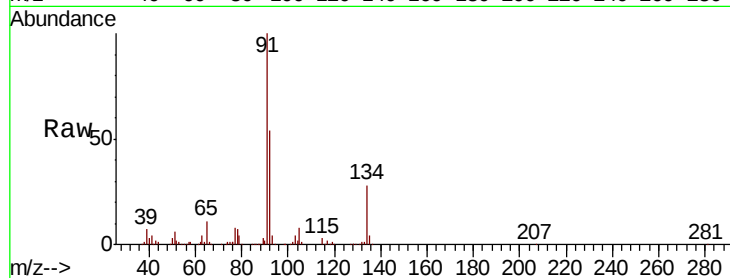
#89
n-Butylbenzene
Concen: 17.871 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD064687.D
Acq: 31 Dec 2019 11:25

Instrument :
MSVOA_D
ClientSampleId :
VD1231SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.8	80.4
134	27.0	14.0	41.9

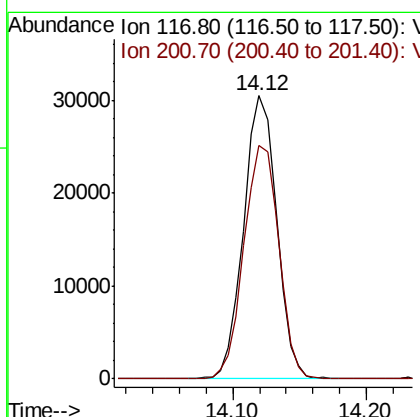
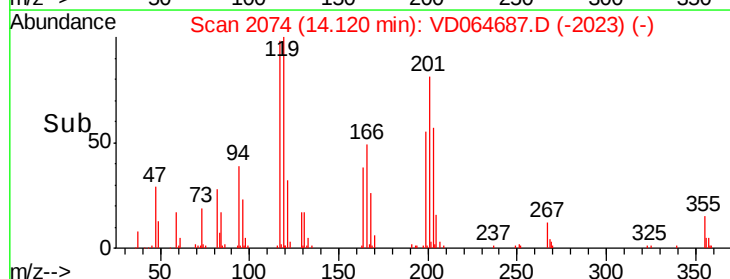
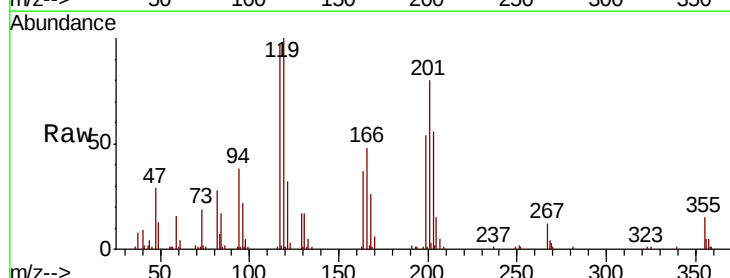
Manual Integrations
APPROVED

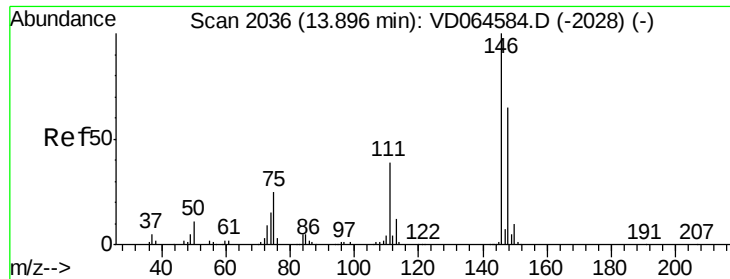
apatel
1/2/2020 10:42:58 AM



#90
Hexachloroethane
Concen: 17.917 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064687.D
Acq: 31 Dec 2019 11:25

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.0	44.0	131.8





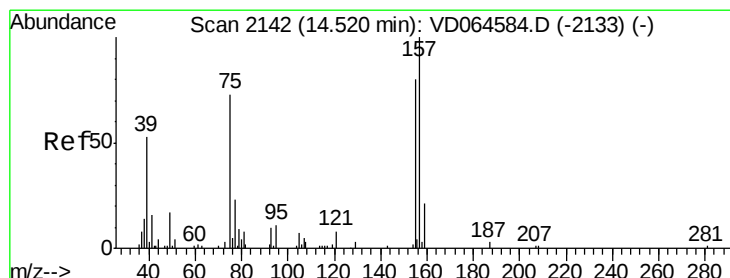
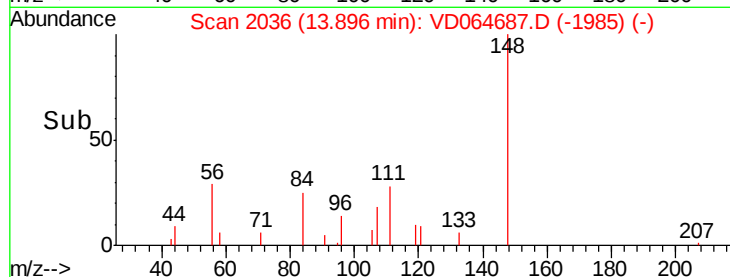
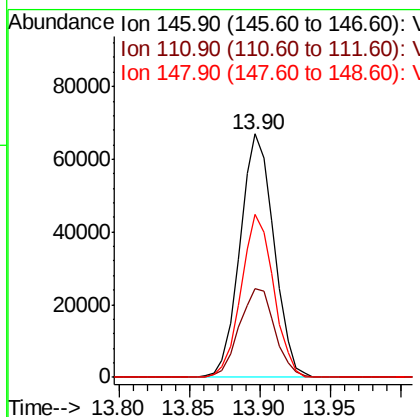
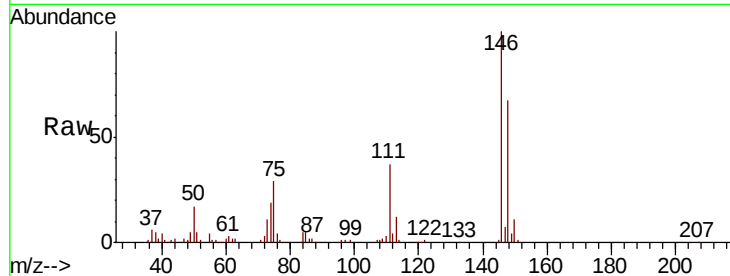
#91
 1,2-Dichlorobenzene
 Concen: 17.278 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064687.D
 Acq: 31 Dec 2019 11:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1231SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.3	57.9
148	64.4	31.9	95.5

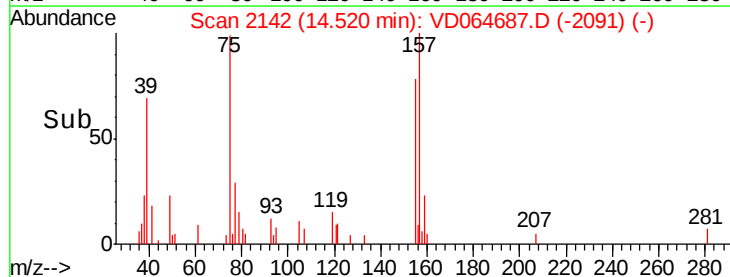
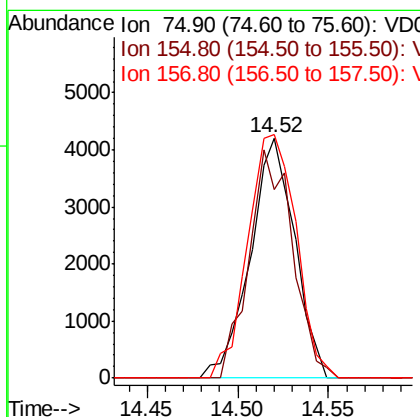
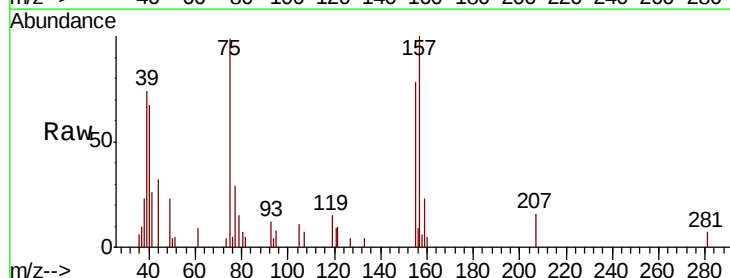
Manual Integrations
 APPROVED

apatel
 1/2/2020 10:42:58 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.297 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD064687.D
 Acq: 31 Dec 2019 11:25

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.0	48.0	144.0
157	110.4	64.1	192.3





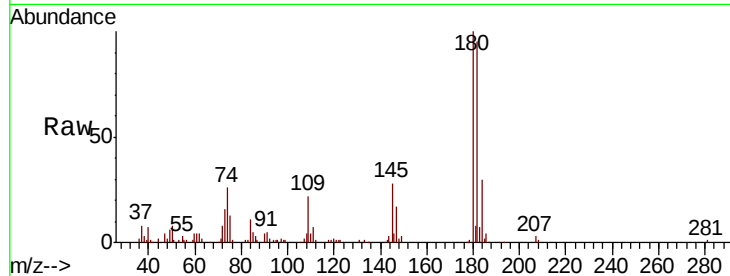
#93
 1,2,4-Trichlorobenzene
 Concen: 17.122 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064687.D
 Acq: 31 Dec 2019 11:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1231SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	82107		
182	94.6	48.0	144.2	
145	29.4	13.8	41.4	

Manual Integrations
 APPROVED

apatel
 1/2/2020 10:42:58 AM

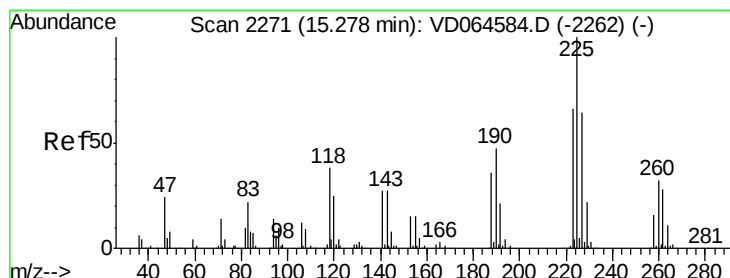
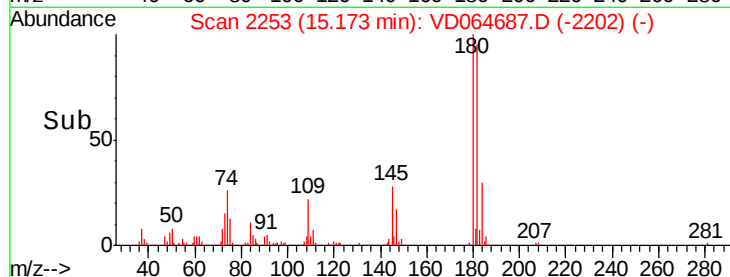
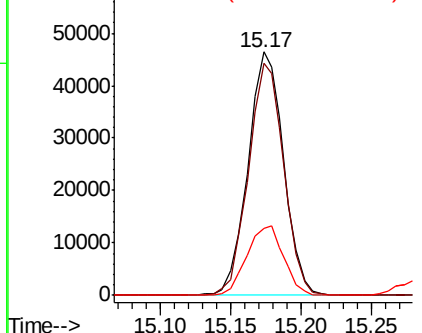


Abundance

Ion 179.80 (179.50 to 180.50): V

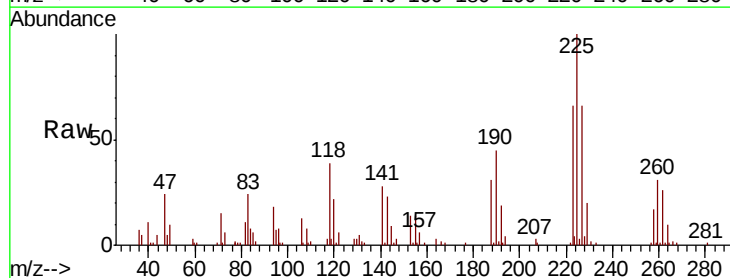
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 17.303 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064687.D
 Acq: 31 Dec 2019 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	52211		
223	63.4	31.1	93.2	
227	63.2	30.9	92.7	

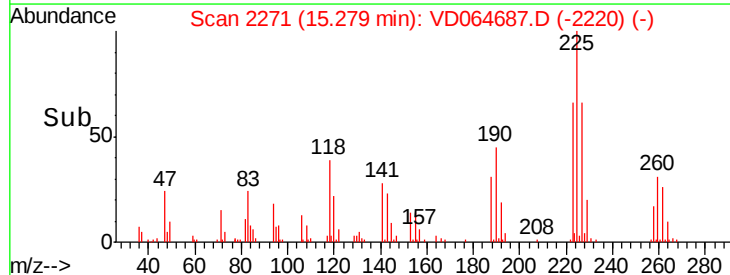
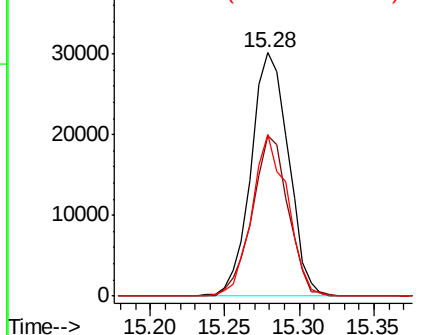


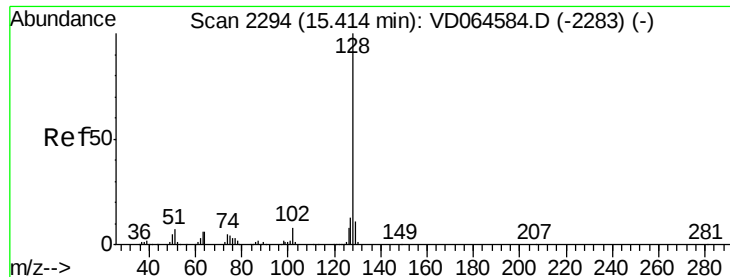
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





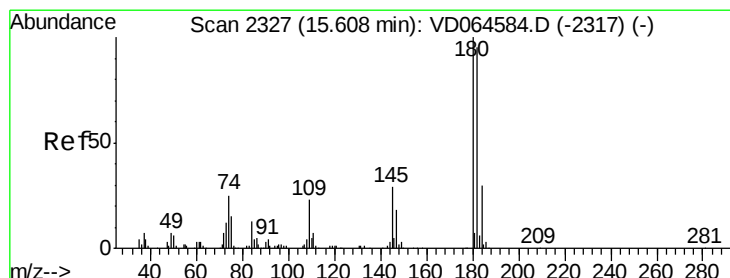
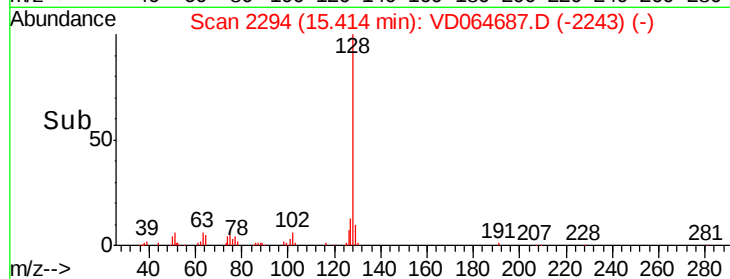
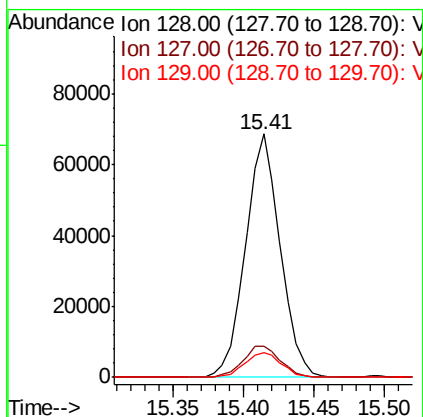
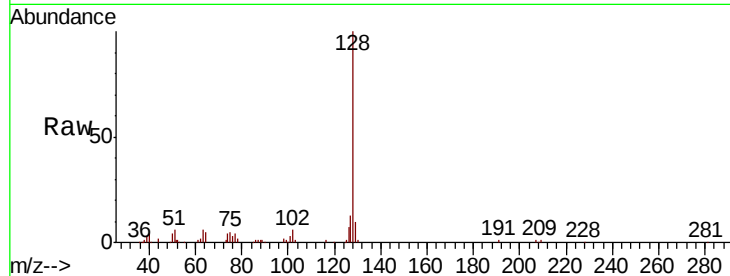
#95
Naphthalene
Concen: 15.559 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064687.D
Acq: 31 Dec 2019 11:25

Instrument :
MSVOA_D
ClientSampleId :
VD1231SBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.3	15.5
129	11.0	8.5	12.7

Manual Integrations
APPROVED

apatel
1/2/2020 10:42:58 AM



#96
1,2,3-Trichlorobenzene
Concen: 16.573 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD064687.D
Acq: 31 Dec 2019 11:25

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.8	47.9	143.7
145	30.6	14.9	44.7

