

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112619\
 Data File : VD064378.D
 Acq On : 26 Nov 2019 12:24
 Operator : VA/SY
 Sample : VD1126SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1126SBS01

Manual Integrations
 APPROVED

apatel
 11/27/2019 5:14:04 PM

Quant Time: Nov 26 13:22:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 12 02:43:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	480298	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	689532	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	600749	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	291904	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	195589	49.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.02%	
35) Dibromofluoromethane	7.92	113	202545	51.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.34%	
50) Toluene-d8	10.34	98	749929	50.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.46%	
62) 4-Bromofluorobenzene	12.64	95	244691	47.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	75767	19.020	ug/l	99
3) Chloromethane	2.21	50	94613	22.143	ug/l	100
4) Vinyl Chloride	2.35	62	115840	25.353	ug/l	97
5) Bromomethane	2.76	94	80994	28.072	ug/l	99
6) Chloroethane	2.92	64	80797	27.674	ug/l	98
7) Trichlorofluoromethane	3.27	101	202830	27.380	ug/l	91
8) Diethyl Ether	3.70	74	41246	20.249	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	92239	21.785	ug/l	98
10) Methyl Iodide	4.29	142	89544	19.805	ug/l	98
11) Tert butyl alcohol	5.26	59	26410	95.722	ug/l	97
12) 1,1-Dichloroethene	4.06	96	84962	21.052	ug/l	99
13) Acrolein	3.93	56	14688	62.929	ug/l	96
14) Allyl chloride	4.71	41	136875	19.182	ug/l	95
15) Acrylonitrile	5.43	53	91142	104.959	ug/l	97
16) Acetone	4.17	43	82602	88.269	ug/l	93
17) Carbon Disulfide	4.40	76	236605	18.825	ug/l	99
18) Methyl Acetate	4.71	43	52020	19.903	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	190226	19.744	ug/l	98
20) Methylene Chloride	4.96	84	94311	19.951	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	95844	20.961	ug/l	94
22) Diisopropyl ether	6.37	45	261572	19.756	ug/l	97
23) Vinyl Acetate	6.31	43	732079	99.195	ug/l	99
24) 1,1-Dichloroethane	6.27	63	160192	20.838	ug/l	99
25) 2-Butanone	7.23	43	118213	97.778	ug/l	96
26) 2,2-Dichloropropane	7.21	77	152969	20.291	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	105190	21.452	ug/l	96
28) Bromochloromethane	7.55	49	43869	16.391	ug/l	98
29) Tetrahydrofuran	7.57	42	74814	102.994	ug/l	99
30) Chloroform	7.71	83	173269	22.035	ug/l	98
31) Cyclohexane	7.98	56	152733	19.700	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	157841	20.963	ug/l	99
36) 1,1-Dichloropropene	8.11	75	132982	20.897	ug/l	99
37) Ethyl Acetate	7.30	43	55131	20.550	ug/l	97
38) Carbon Tetrachloride	8.10	117	142278	20.894	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112619\
 Data File : VD064378.D
 Acq On : 26 Nov 2019 12:24
 Operator : VA/SY
 Sample : VD1126SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VD1126SBS01

Manual Integrations
 APPROVED

apatel
 11/27/2019 5:14:04 PM

Quant Time: Nov 26 13:22:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 12 02:43:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	162029	20.122	ug/l	95
40) Benzene	8.35	78	364172	20.939	ug/l	99
41) Methacrylonitrile	7.53	41	29582	17.543	ug/l #	88
42) 1,2-Dichloroethane	8.43	62	107403	20.561	ug/l	99
43) Isopropyl Acetate	8.46	43	104895	18.976	ug/l	96
44) Trichloroethene	9.11	130	110567	21.181	ug/l	99
45) 1,2-Dichloropropane	9.39	63	90090	21.281	ug/l	98
46) Dibromomethane	9.47	93	48704	21.490	ug/l	97
47) Bromodichloromethane	9.66	83	126984	20.802	ug/l	99
48) Methyl methacrylate	9.46	41	52379	19.379	ug/l	98
49) 1,4-Dioxane	9.47	88	12059	443.049	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	261713	98.731	ug/l	99
52) Toluene	10.41	92	238304	20.837	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	119598	19.556	ug/l	95
54) cis-1,3-Dichloropropene	10.09	75	143630	20.126	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	66872	21.751	ug/l	97
56) Ethyl methacrylate	10.67	69	82888	19.273	ug/l	96
57) 1,3-Dichloropropane	10.95	76	113070	21.088	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	170189	97.692	ug/l	98
59) 2-Hexanone	10.99	43	183194	97.140	ug/l	100
60) Dibromochloromethane	11.14	129	88681	20.672	ug/l	99
61) 1,2-Dibromoethane	11.25	107	65419	21.245	ug/l	99
64) Tetrachloroethene	10.88	164	96526	20.892	ug/l	96
65) Chlorobenzene	11.67	112	259857	21.271	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	95222	20.499	ug/l	97
67) Ethyl Benzene	11.75	91	462267	20.920	ug/l	98
68) m/p-Xylenes	11.86	106	347502	41.028	ug/l	98
69) o-Xylene	12.18	106	161886	20.609	ug/l	96
70) Styrene	12.20	104	279648	20.394	ug/l	99
71) Bromoform	12.37	173	53506	20.240	ug/l #	97
73) Isopropylbenzene	12.48	105	442350	20.646	ug/l	99
74) N-amyl acetate	12.29	43	94610	18.699	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.74	83	70790	21.927	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	34496m	14.672	ug/l	
77) Bromobenzene	12.77	156	111108	21.345	ug/l	96
78) n-propylbenzene	12.83	91	516079	21.082	ug/l	100
79) 2-Chlorotoluene	12.91	91	280993	20.332	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	363454	20.644	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	21923	18.521	ug/l	98
82) 4-Chlorotoluene	13.01	91	295656	20.510	ug/l	100
83) tert-Butylbenzene	13.23	119	319318	20.569	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	357771	20.584	ug/l	99
85) sec-Butylbenzene	13.41	105	439281	21.068	ug/l	99
86) p-Isopropyltoluene	13.53	119	405947	20.479	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	198211	20.514	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	197650	20.959	ug/l	98
89) n-Butylbenzene	13.85	91	370692	20.699	ug/l	99
90) Hexachloroethane	14.12	117	76408	20.857	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	173195	21.177	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	10848	18.793	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112619\
Data File : VD064378.D
Acq On : 26 Nov 2019 12:24
Operator : VA/SY
Sample : VD1126SBSD01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1126SBSD01

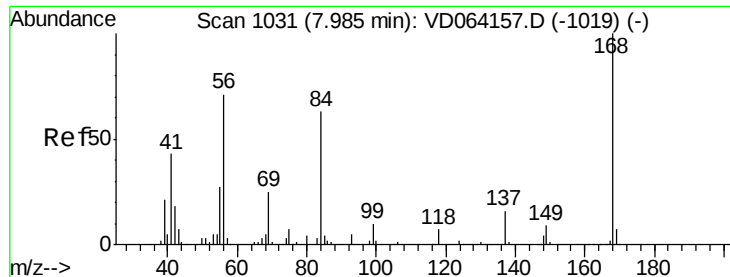
Manual Integrations
APPROVED

apatel
11/27/2019 5:14:04 PM

Quant Time: Nov 26 13:22:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 12 02:43:24 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	129043	20.454	ug/l	99
94) Hexachlorobutadiene	15.28	225	83721	20.546	ug/l	99
95) Naphthalene	15.41	128	213837	20.677	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	111790	20.846	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064378.D

Acq: 26 Nov 2019 12:24

Instrument :

MSVOA_D

ClientSampleId :

VD1126SBSD01

Tot Ion:168 Resp: 480298

Ion Ratio Lower Upper

168 100

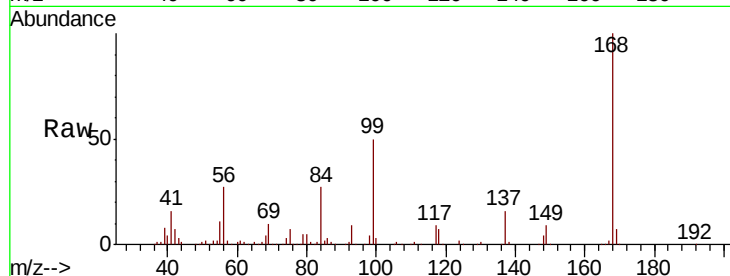
99 50.1 41.6 62.4

Manual Integrations

APPROVED

apatel

11/27/2019 5:14:04 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

250000

200000

150000

100000

50000

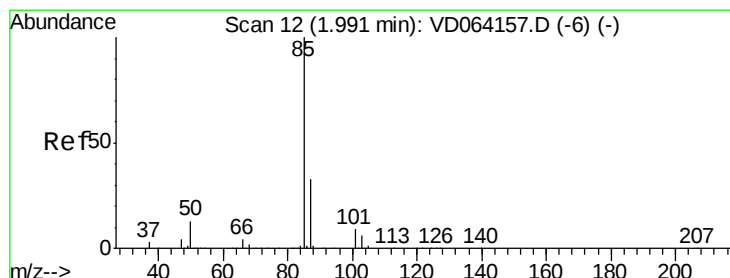
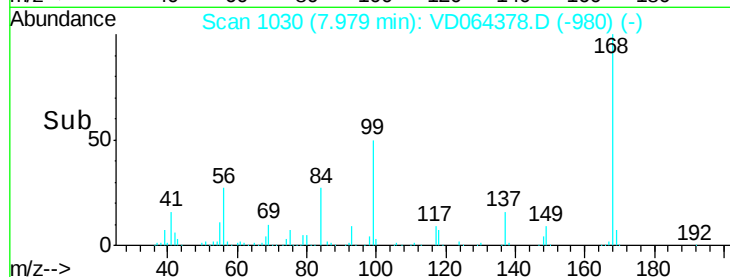
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 19.020 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD064378.D

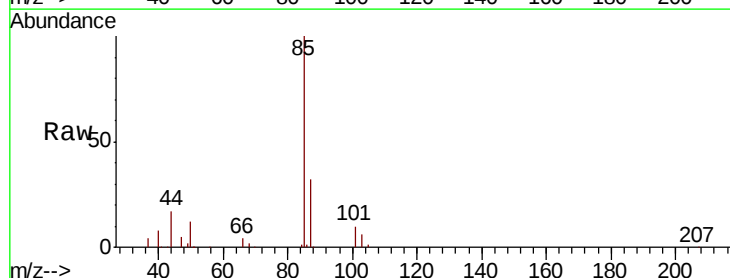
Acq: 26 Nov 2019 12:24

Tgt Ion: 85 Resp: 75767

Ion Ratio Lower Upper

85 100

87 32.1 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

60000

50000

40000

30000

20000

10000

0

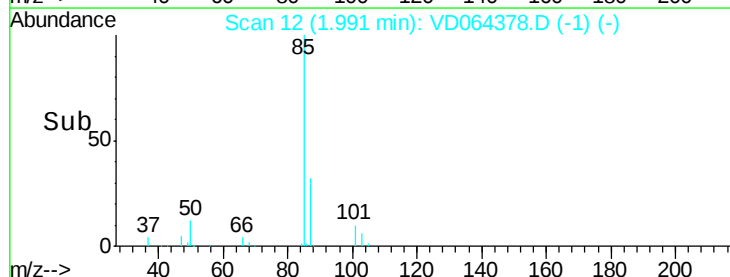
1.90

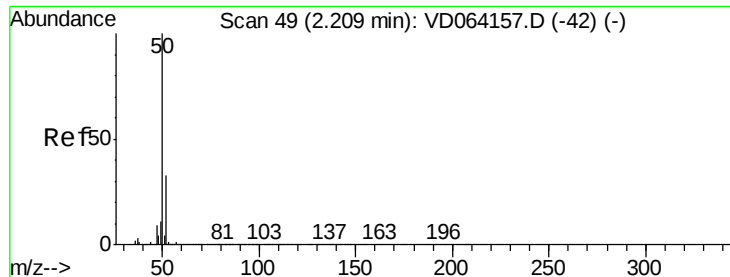
1.95

2.00

2.05

Time-->





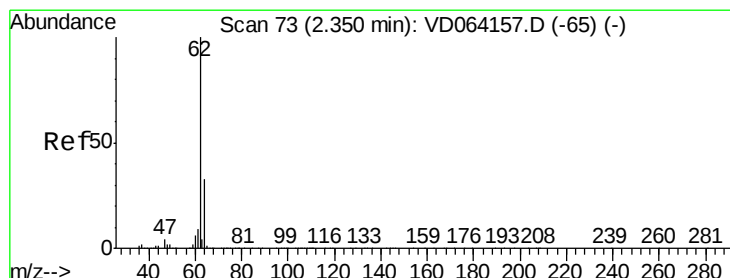
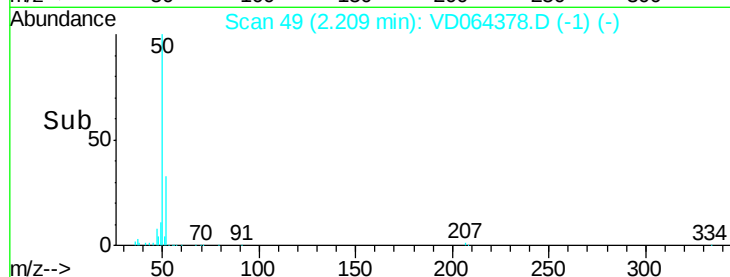
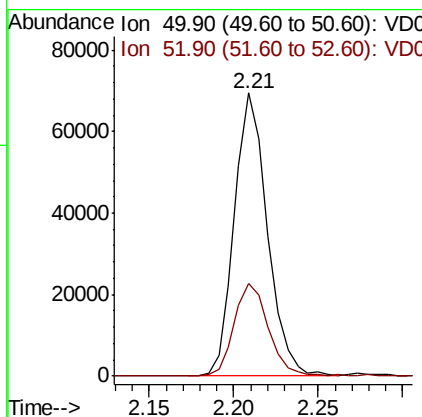
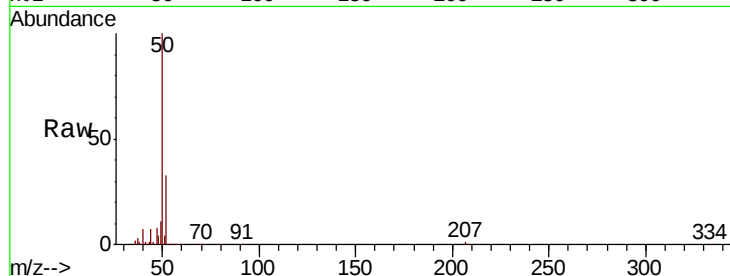
#3
Chloromethane
Concen: 22.143 ug/l
RT: 2.21 min Scan# 49
Delta R.T. -0.00 min
Lab File: VD064378.D
Acq: 26 Nov 2019 12:24

Instrument :
MSVOA_D
ClientSampleId :
VD1126SBSD01

Tot Ion: 50 Resp: 94613
Ion Ratio Lower Upper
50 100
52 32.6 26.2 39.4

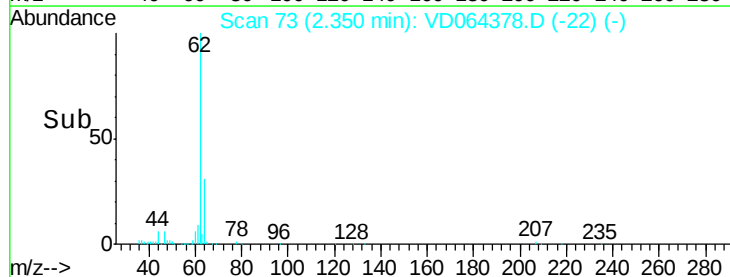
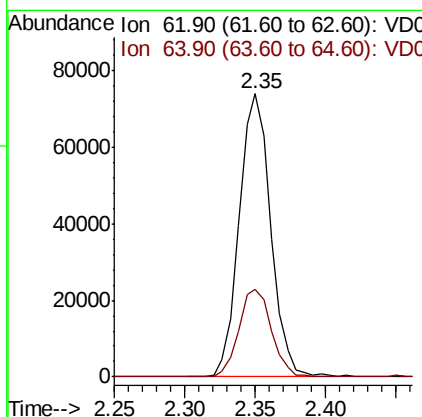
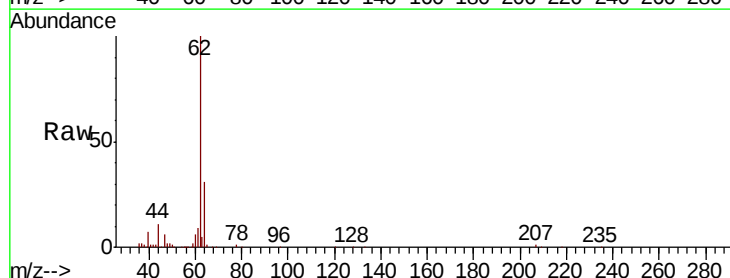
Manual Integrations
APPROVED

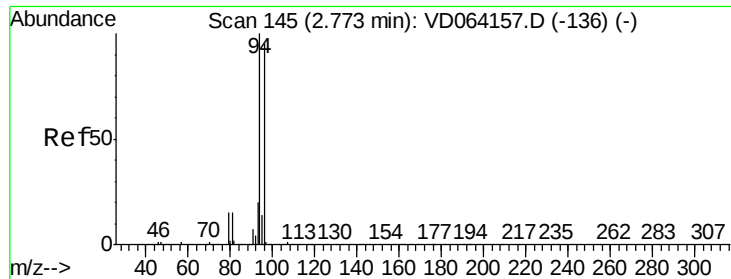
apatel
11/27/2019 5:14:04 PM



#4
Vinyl Chloride
Concen: 25.353 ug/l
RT: 2.35 min Scan# 73
Delta R.T. -0.00 min
Lab File: VD064378.D
Acq: 26 Nov 2019 12:24

Tgt Ion: 62 Resp: 115840
Ion Ratio Lower Upper
62 100
64 31.0 26.2 39.2





#5

Bromomethane

Concen: 28.072 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD064378.D

Acq: 26 Nov 2019 12:24

Instrument :

MSVOA_D

ClientSampleId :

VD1126SBSD01

Tot Ion: 94 Resp: 80994

Ion Ratio Lower Upper

94 100

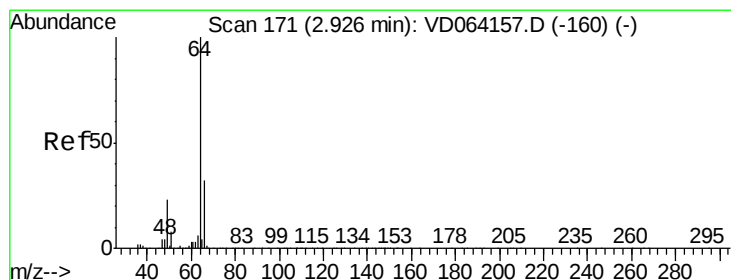
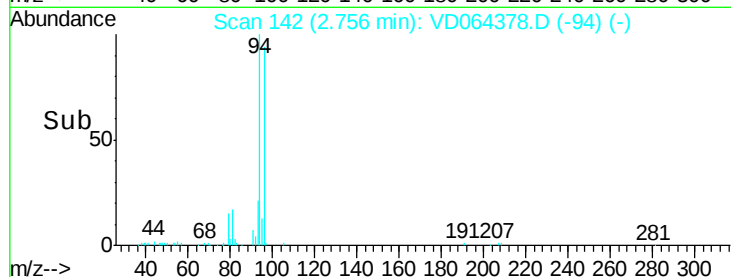
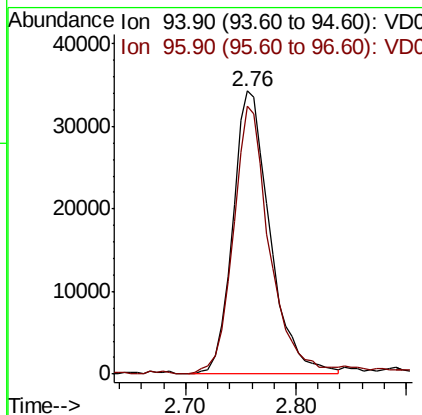
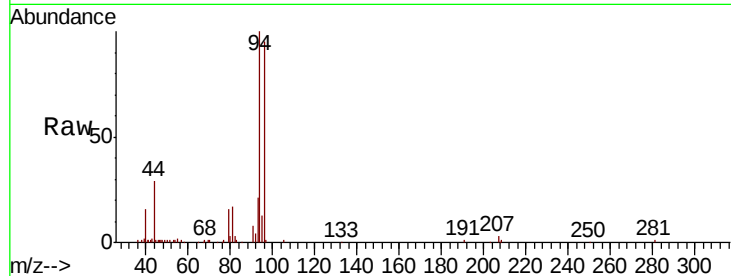
96 94.7 76.2 114.4

Manual Integrations

APPROVED

apatel

11/27/2019 5:14:04 PM



#6

Chloroethane

Concen: 27.674 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD064378.D

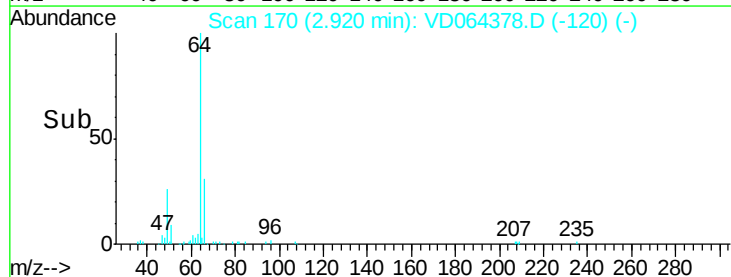
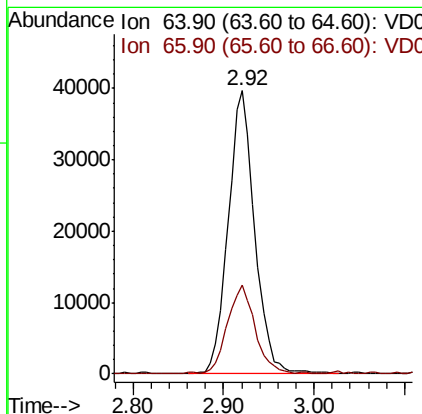
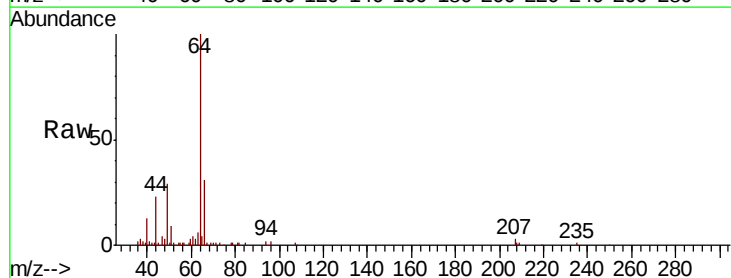
Acq: 26 Nov 2019 12:24

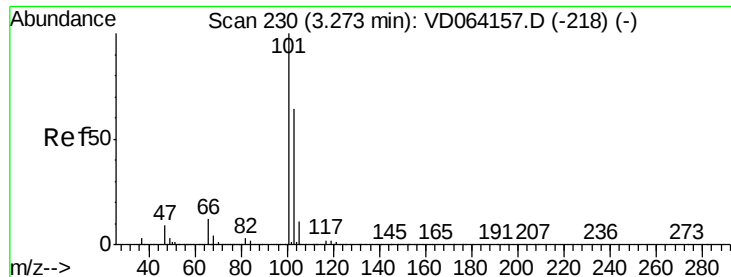
Tgt Ion: 64 Resp: 80797

Ion Ratio Lower Upper

64 100

66 30.7 25.5 38.3





#7

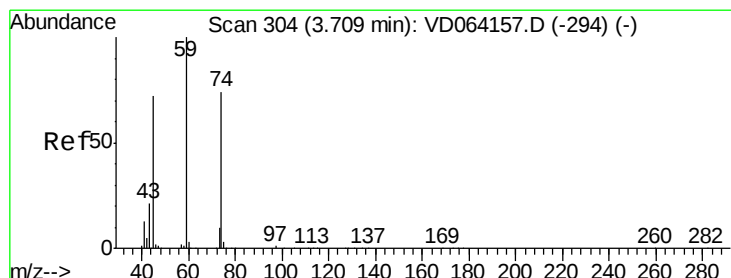
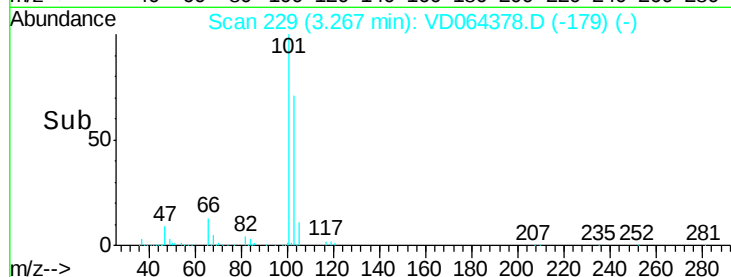
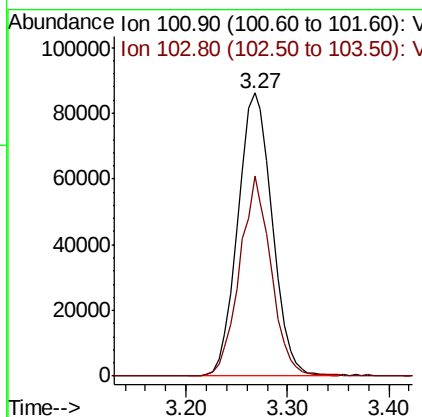
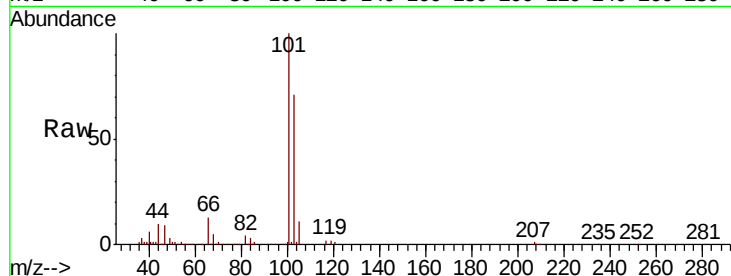
Trichlorofluoromethane
Concen: 27.380 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD064378.D
Acq: 26 Nov 2019 12:24

Instrument :
MSVOA_D
ClientSampleId :
VD1126SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	70.7	50.8	76.2

Manual Integrations
APPROVED

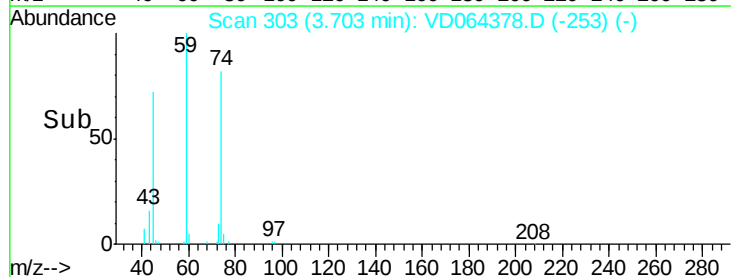
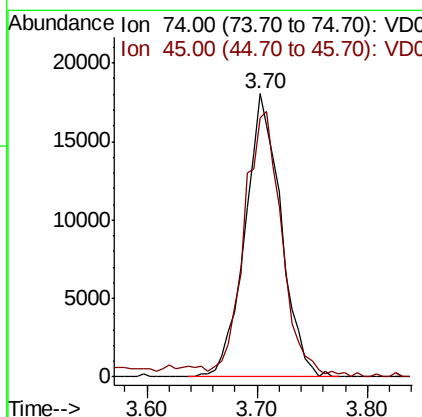
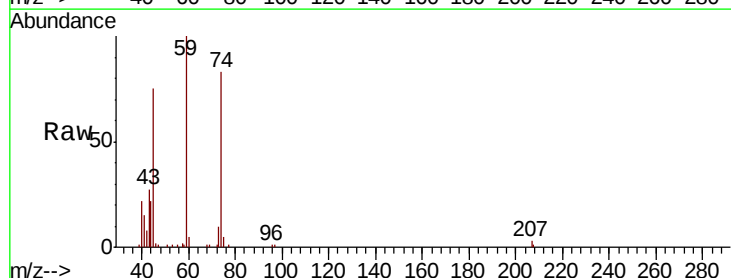
apatel
11/27/2019 5:14:04 PM

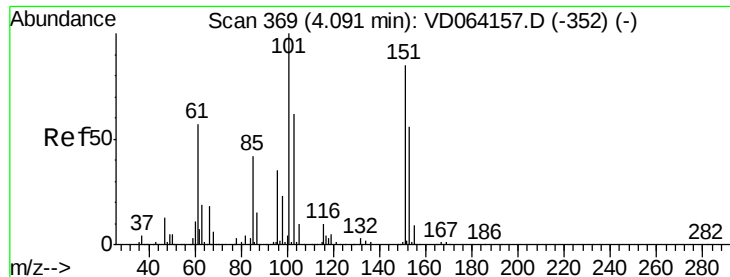


#8

Diethyl Ether
Concen: 20.249 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD064378.D
Acq: 26 Nov 2019 12:24

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.8	47.9	143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.785 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD064378.D

Acq: 26 Nov 2019 12:24

Instrument :

MSVOA_D

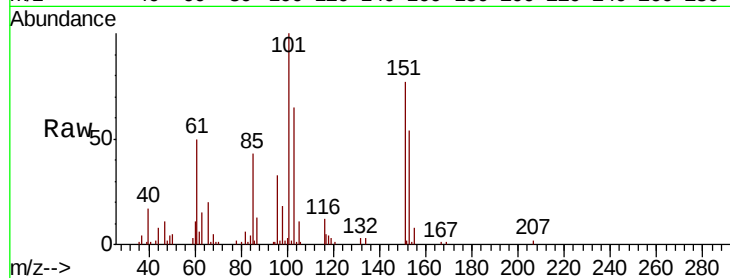
ClientSampleId :

VD1126SBSD01

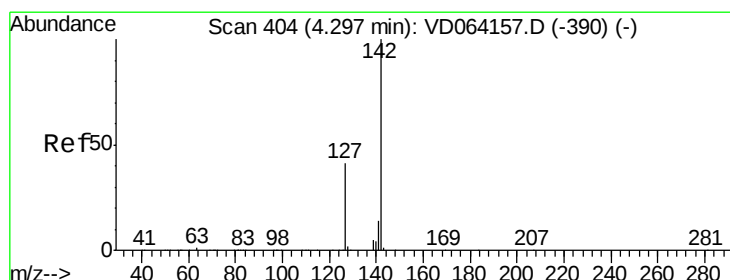
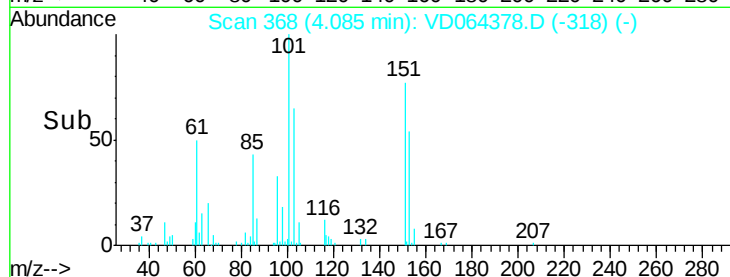
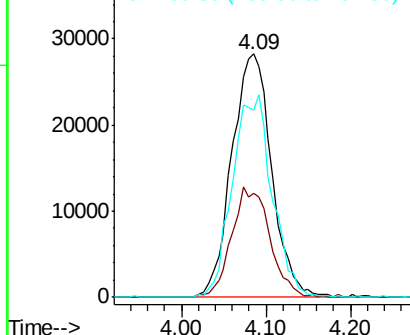
Tot Ion:	101	Resp:	92239
Ion Ratio	Lower	Upper	
101	100		
85	43.3	34.4	51.6
151	83.1	68.1	102.1

Manual Integrations
APPROVED

apatel
11/27/2019 5:14:04 PM



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



#10

Methyl Iodide

Concen: 19.805 ug/l

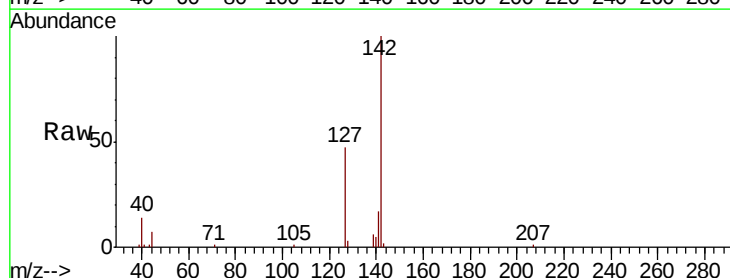
RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

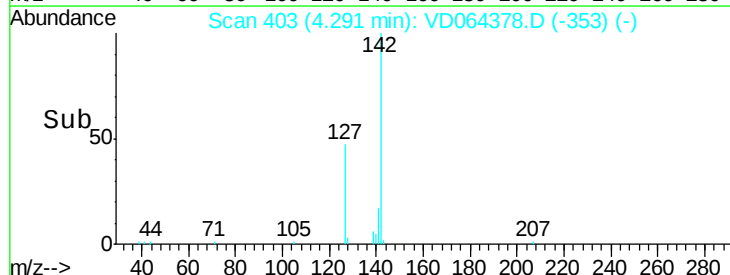
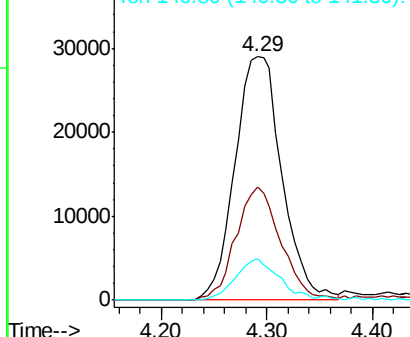
Lab File: VD064378.D

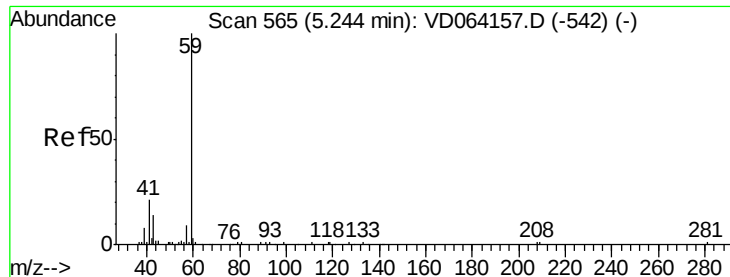
Acq: 26 Nov 2019 12:24

Tgt Ion:	142	Resp:	89544
Ion Ratio	Lower	Upper	
142	100		
127	43.9	34.4	51.6
141	15.6	11.2	16.8



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

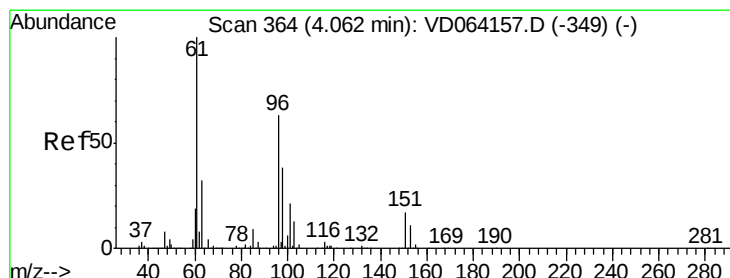
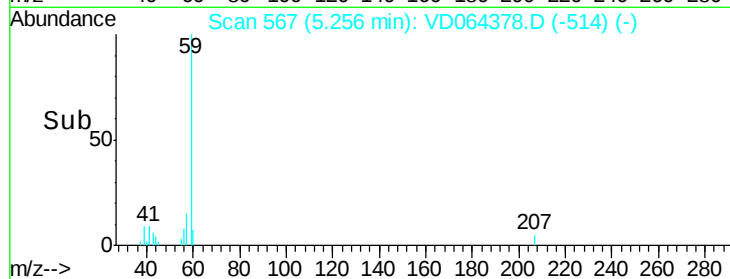
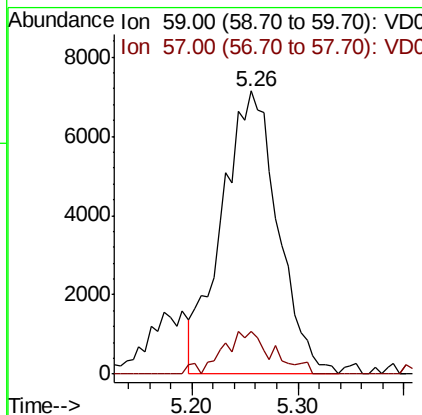
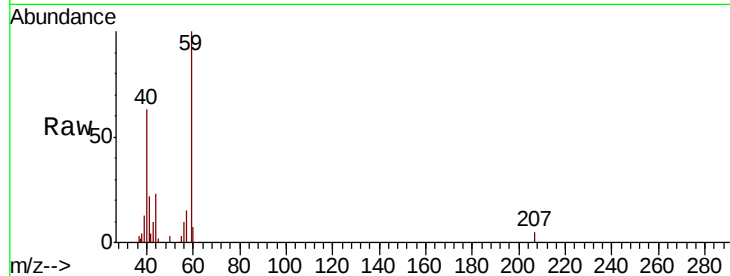
Tert butyl alcohol
 Concen: 95.722 ug/l
 RT: 5.26 min Scan# 567
 Delta R.T. 0.01 min
 Lab File: VD064378.D
 Acq: 26 Nov 2019 12:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1126SBS01

Tot Ion	59	Resp	26410
Ion Ratio	100	Lower	Upper
57	13.0	9.4	14.2

Manual Integrations
 APPROVED

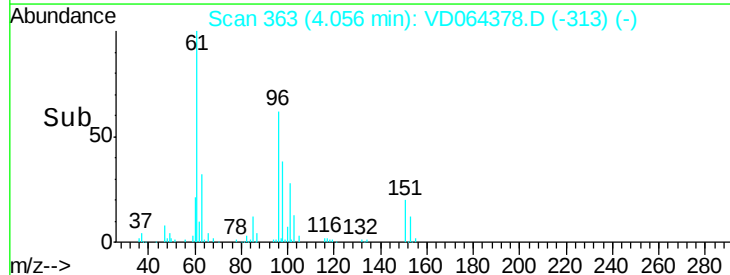
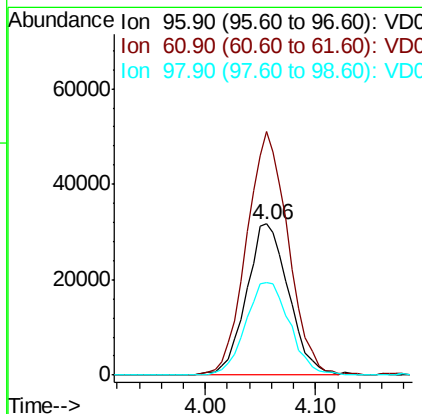
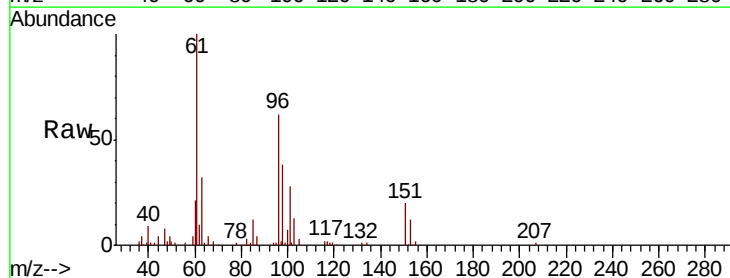
apatel
 11/27/2019 5:14:04 PM

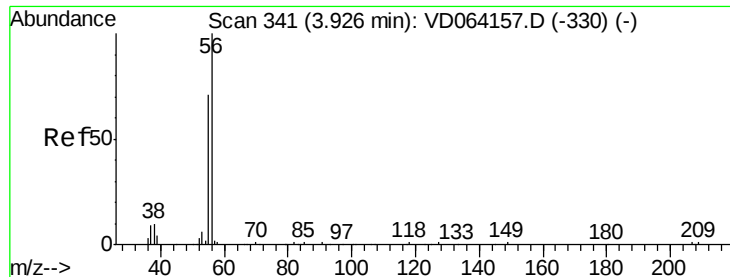


#12

1,1-Dichloroethene
 Concen: 21.052 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. -0.01 min
 Lab File: VD064378.D
 Acq: 26 Nov 2019 12:24

Tgt Ion	96	Resp	84962
Ion Ratio	100	Lower	Upper
61	160.8	127.4	191.2
98	61.0	48.1	72.1





#13

Acrolein

Concen: 62.929 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD064378.D

Acq: 26 Nov 2019 12:24

Instrument :

MSVOA_D

ClientSampleId :

VD1126SBS01

Tot Ion: 56 Resp: 14688

Ion Ratio Lower Upper

56 100

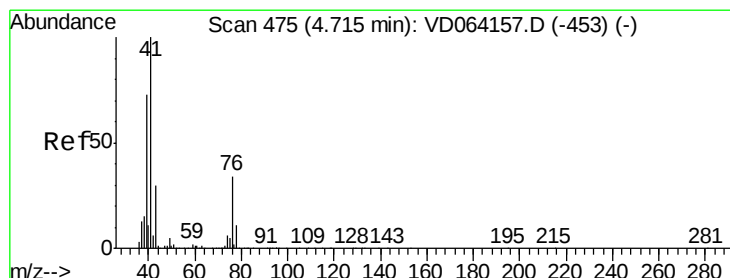
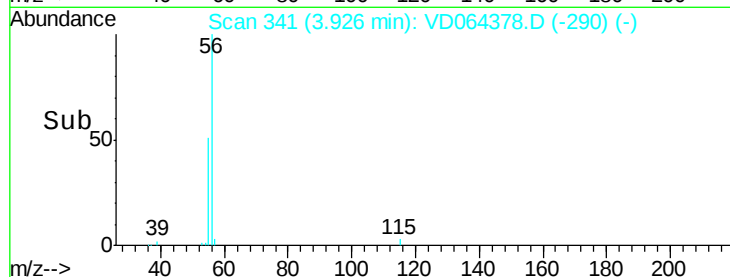
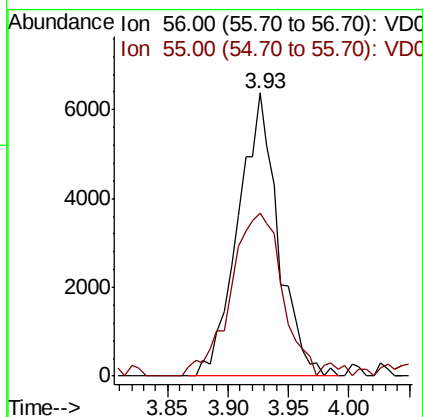
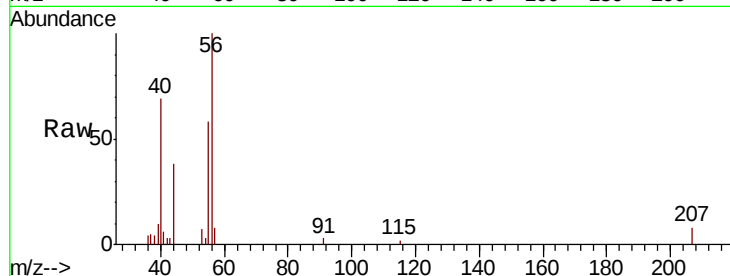
55 73.8 56.1 84.1

Manual Integrations

APPROVED

apatel

11/27/2019 5:14:04 PM



#14

Allyl chloride

Concen: 19.182 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD064378.D

Acq: 26 Nov 2019 12:24

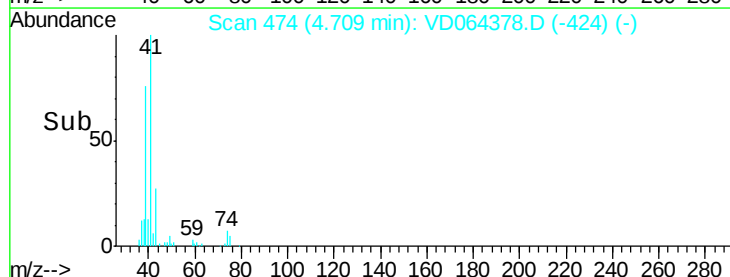
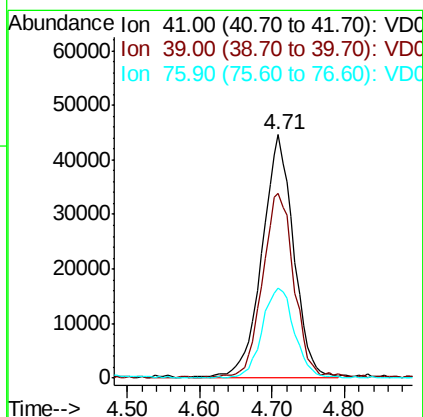
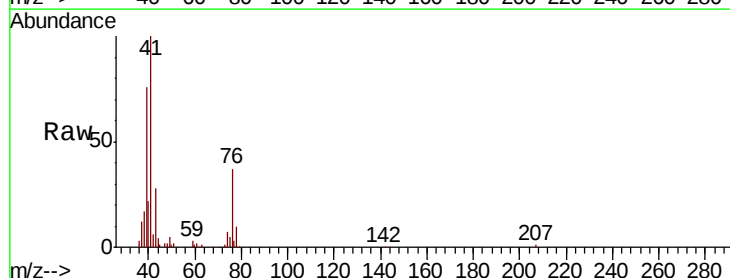
Tgt Ion: 41 Resp: 136875

Ion Ratio Lower Upper

41 100

39 75.3 57.5 86.3

76 37.5 26.8 40.2





#15

Acrylonitrile

Concen: 104.959 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064378.D

Acq: 26 Nov 2019 12:24

Instrument :

MSVOA_D

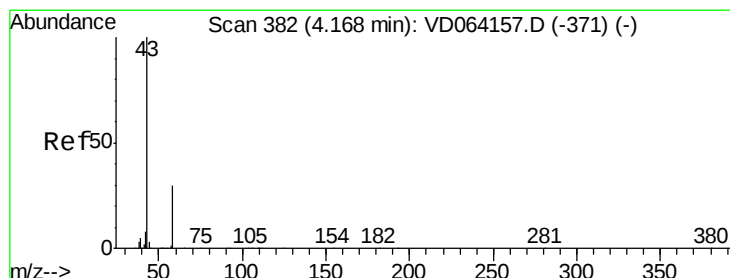
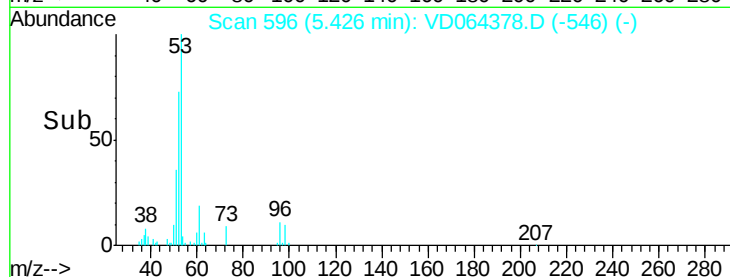
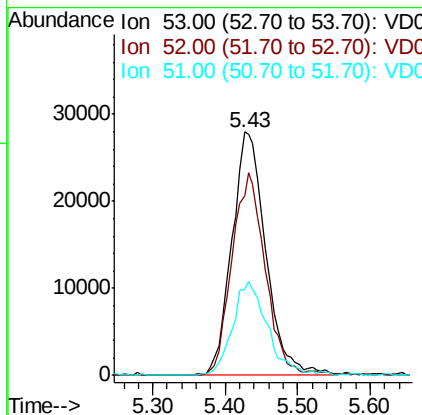
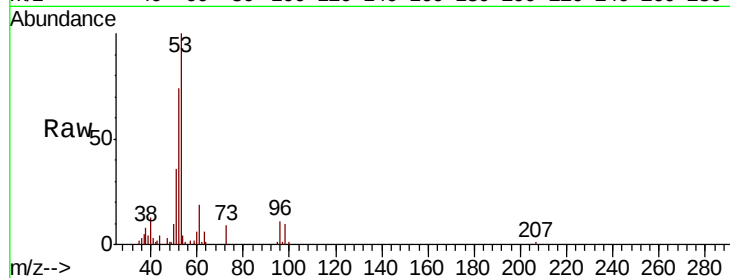
ClientSampleID :

VD1126SBS01

Tot Ion:	53	Resp:	91142
Ion Ratio	Lower	Upper	
53	100		
52	80.8	66.7	100.1
51	39.3	30.6	46.0

Manual Integrations
APPROVED

apatel
11/27/2019 5:14:04 PM



#16

Acetone

Concen: 88.269 ug/l

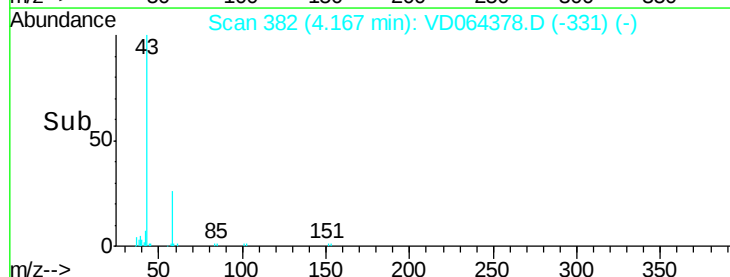
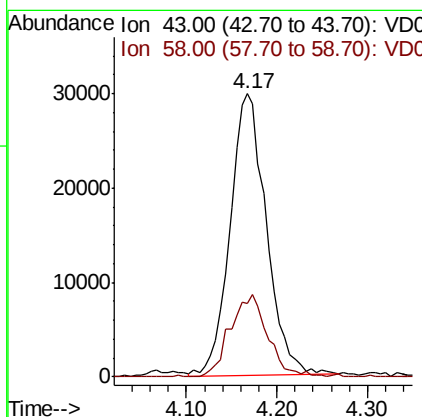
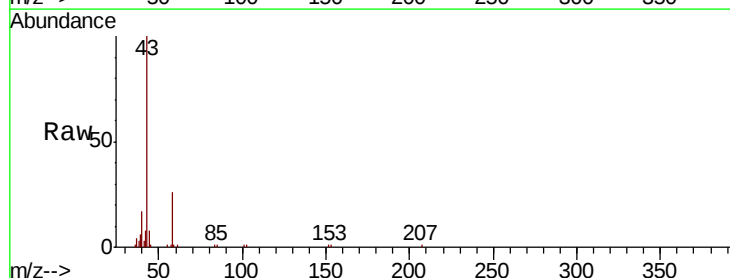
RT: 4.17 min Scan# 382

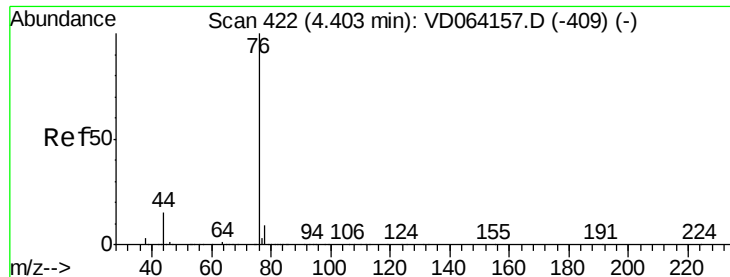
Delta R.T. -0.00 min

Lab File: VD064378.D

Acq: 26 Nov 2019 12:24

Tgt Ion:	43	Resp:	82602
Ion Ratio	Lower	Upper	
43	100		
58	26.4	24.1	36.1





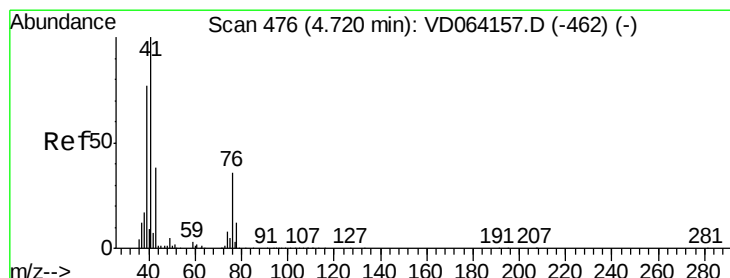
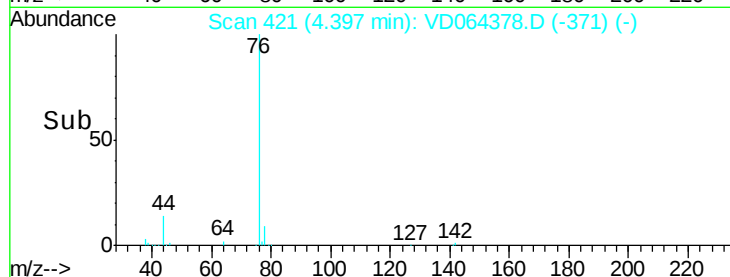
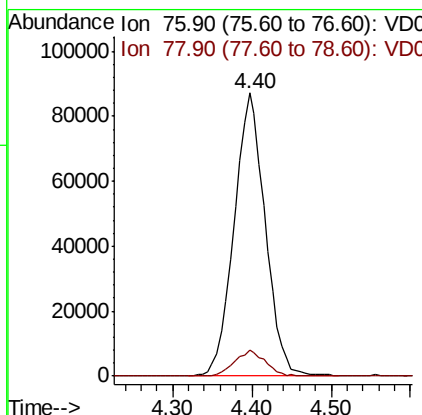
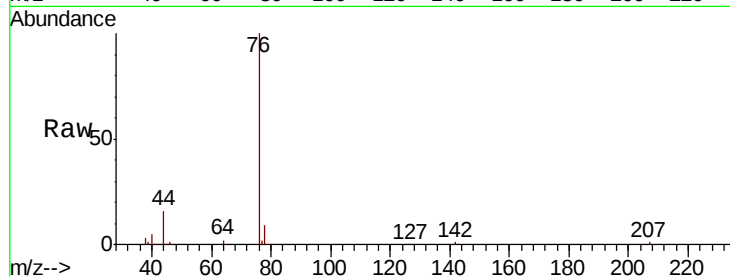
#17
Carbon Disulfide
Concen: 18.825 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.01 min
Lab File: VD064378.D
Acq: 26 Nov 2019 12:24

Instrument :
MSVOA_D
ClientSampleId :
VD1126SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.2	10.8

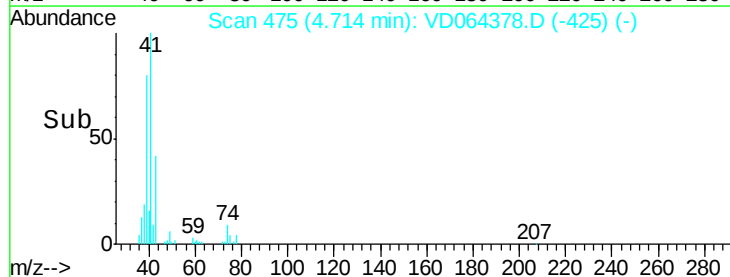
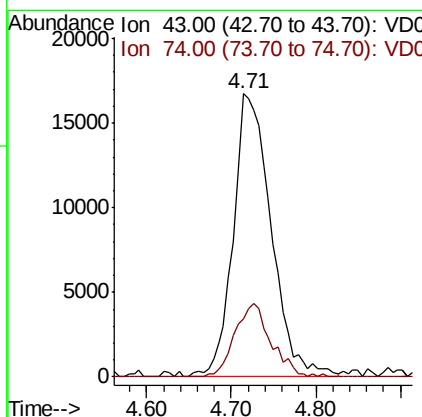
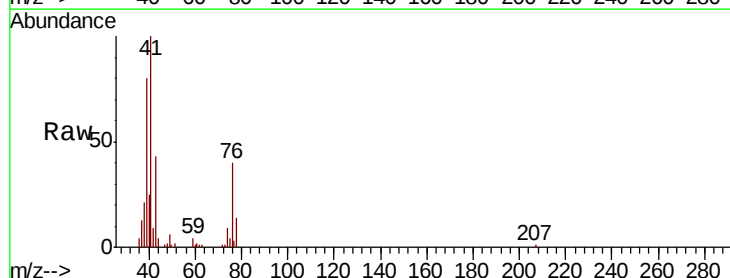
Manual Integrations
APPROVED

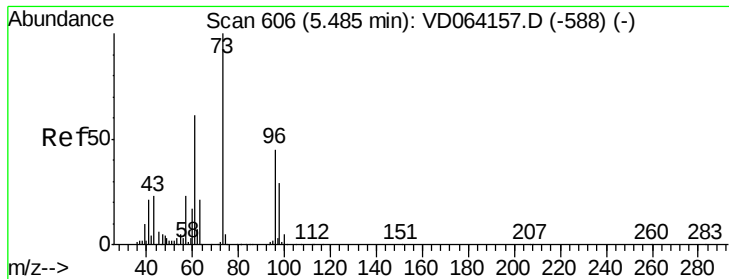
apatel
11/27/2019 5:14:04 PM



#18
Methyl Acetate
Concen: 19.903 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.01 min
Lab File: VD064378.D
Acq: 26 Nov 2019 12:24

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.4	18.4	27.6





#19

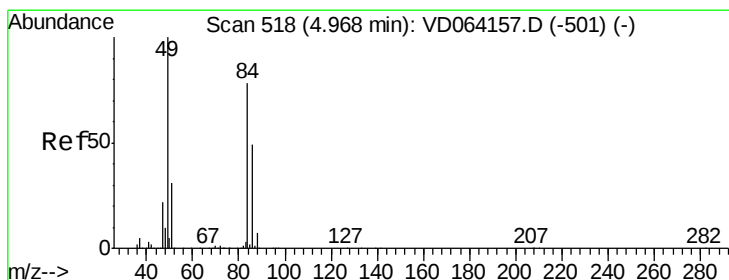
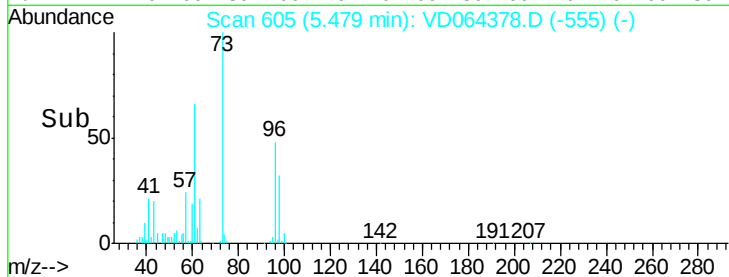
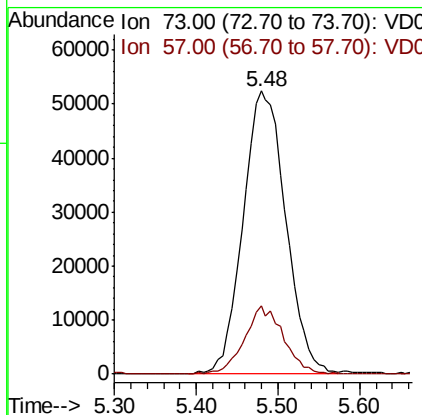
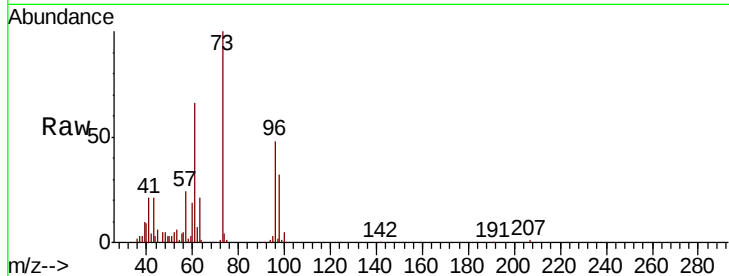
Methyl tert-butyl Ether
 Concen: 19.744 ug/l
 RT: 5.48 min Scan# 605
 Delta R.T. -0.01 min
 Lab File: VD064378.D
 Acq: 26 Nov 2019 12:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1126SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.1	18.4	27.6

Manual Integrations
 APPROVED

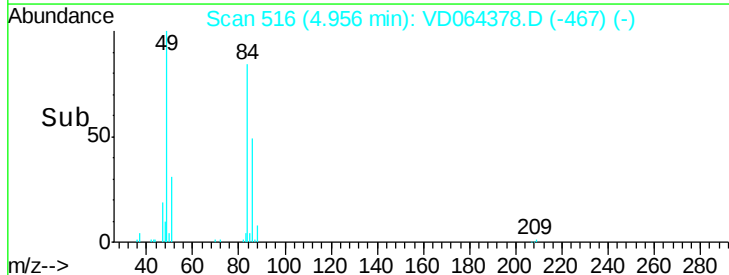
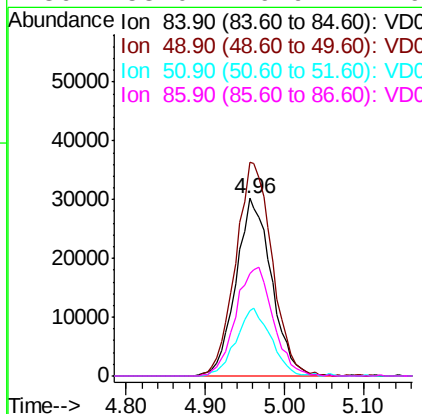
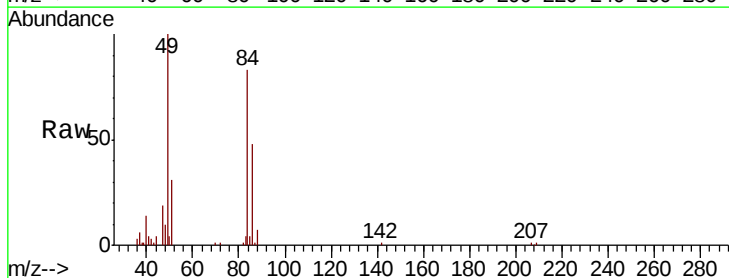
apatel
 11/27/2019 5:14:04 PM

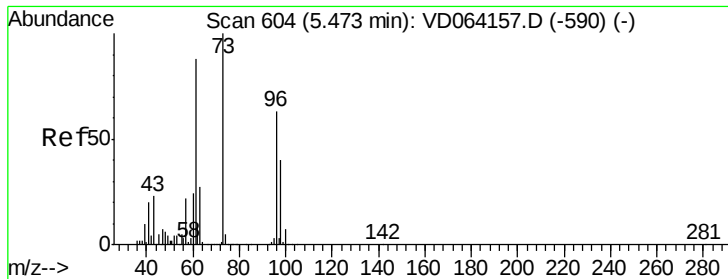


#20

Methylene Chloride
 Concen: 19.951 ug/l
 RT: 4.96 min Scan# 516
 Delta R.T. -0.01 min
 Lab File: VD064378.D
 Acq: 26 Nov 2019 12:24

Tgt Ion	Ratio	Lower	Upper
84	100		
49	120.3	102.1	153.1
51	36.8	32.2	48.2
86	58.0	49.9	74.9





#21

trans-1,2-Dichloroethene

Concen: 20.961 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064378.D

Acq: 26 Nov 2019 12:24

Instrument :

MSVOA_D

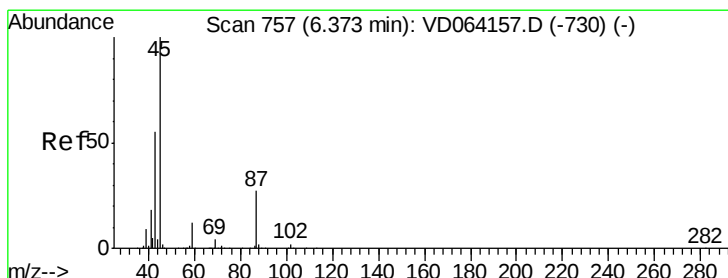
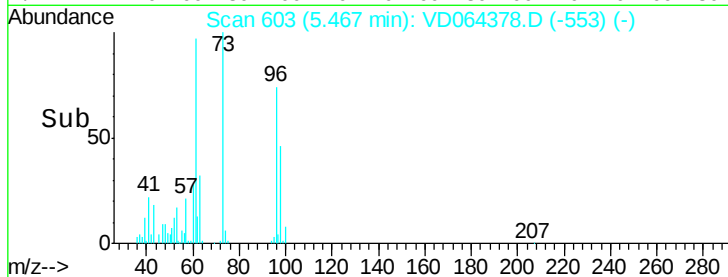
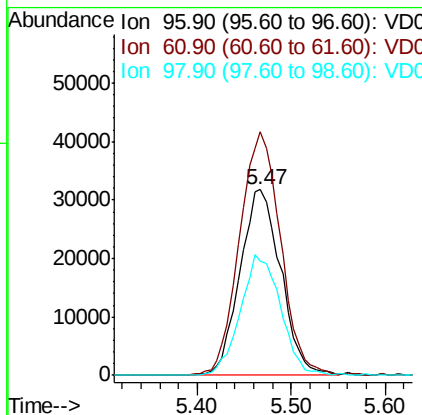
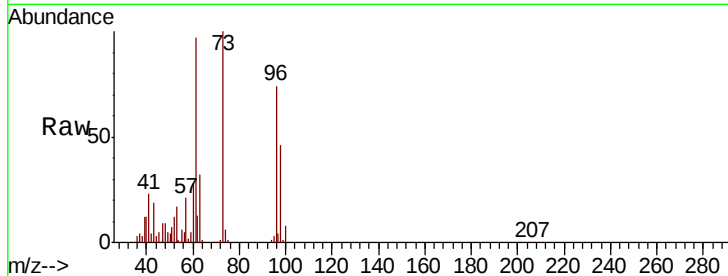
ClientSampleId :

VD1126SBS01

Tot Ion:	96	Resp:	95844
Ion	Ratio	Lower	Upper
96	100		
61	131.1	111.8	167.6
98	61.3	50.3	75.5

Manual Integrations
APPROVED

apatel
11/27/2019 5:14:04 PM



#22

Diisopropyl ether

Concen: 19.756 ug/l

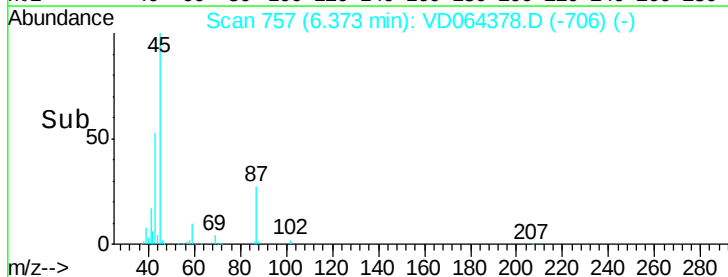
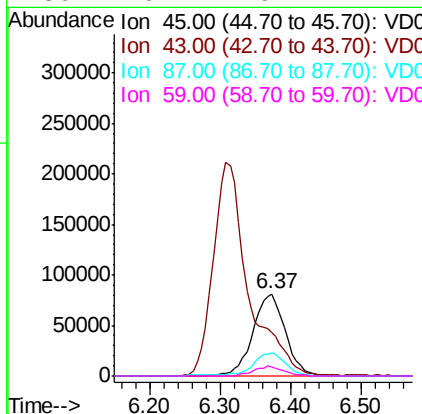
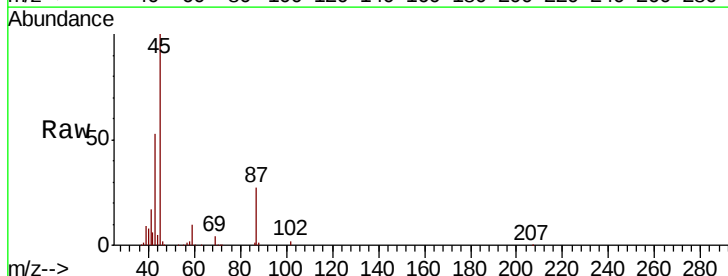
RT: 6.37 min Scan# 757

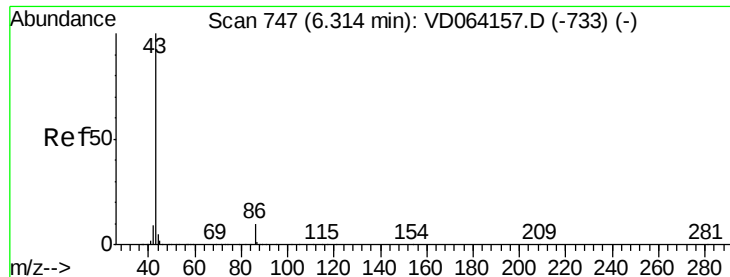
Delta R.T. -0.00 min

Lab File: VD064378.D

Acq: 26 Nov 2019 12:24

Tgt Ion:	45	Resp:	261572
Ion	Ratio	Lower	Upper
45	100		
43	52.0	44.4	66.6
87	27.5	21.9	32.9
59	10.2	9.4	14.2





#23

Vinyl Acetate

Concen: 99.195 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064378.D

Acq: 26 Nov 2019 12:24

Instrument :

MSVOA_D

ClientSampleID :

VD1126SBS01

Tot Ion: 43 Resp: 732079

Ion Ratio Lower Upper

43 100

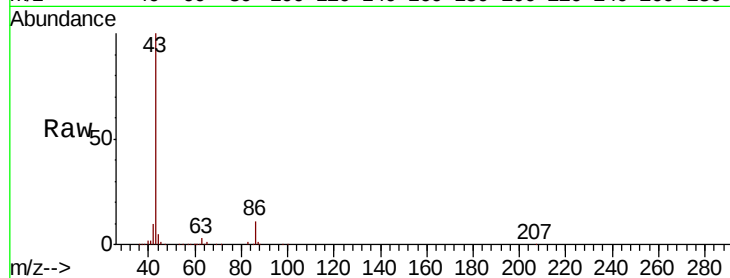
86 10.7 8.2 12.2

Manual Integrations

APPROVED

apatel

11/27/2019 5:14:04 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

250000

200000

150000

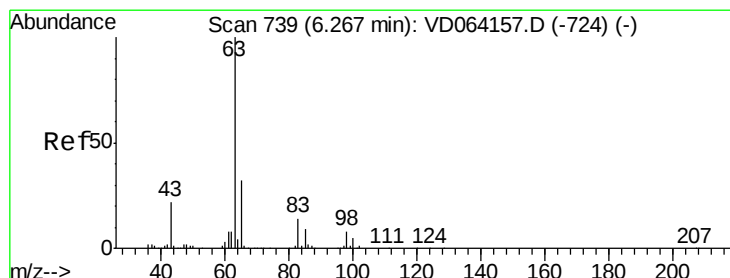
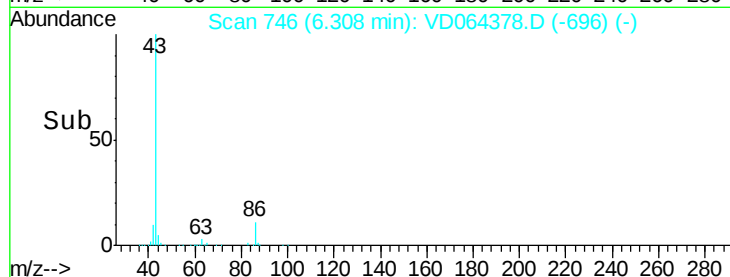
100000

50000

0

6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 20.838 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD064378.D

Acq: 26 Nov 2019 12:24

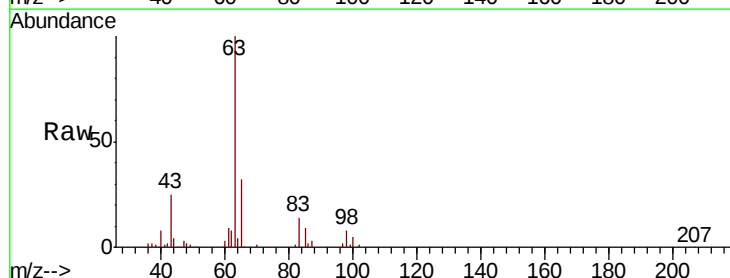
Tgt Ion: 63 Resp: 160192

Ion Ratio Lower Upper

63 100

98 7.9 3.8 11.4

100 5.2 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

60000

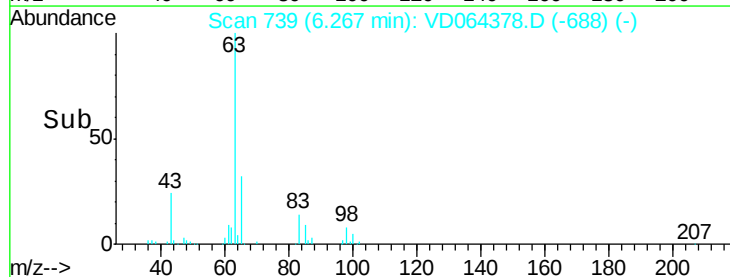
40000

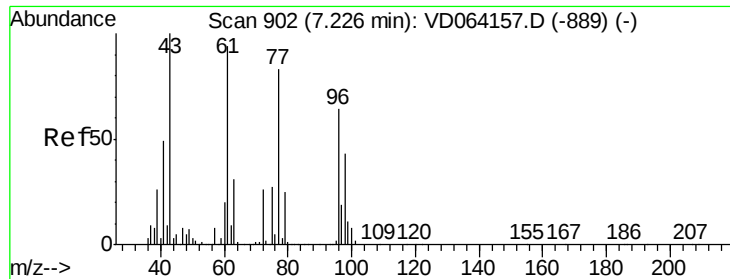
20000

0

6.20 6.30 6.40

Time-->





#25

2-Butanone

Concen: 97.778 ug/l

RT: 7.23 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD064378.D

Acq: 26 Nov 2019 12:24

Instrument :

MSVOA_D

ClientSampleId :

VD1126SBS01

Tot Ion: 43 Resp: 118213

Ion Ratio Lower Upper

43 100

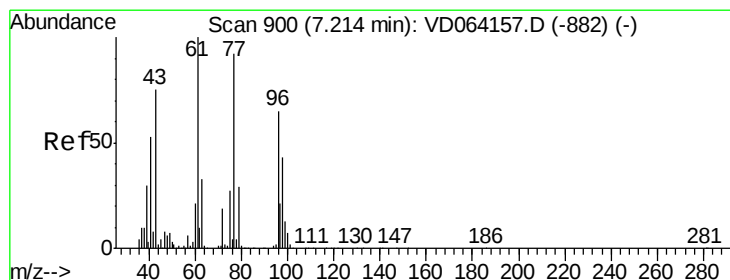
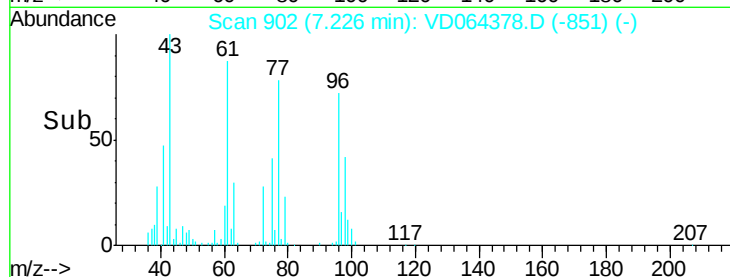
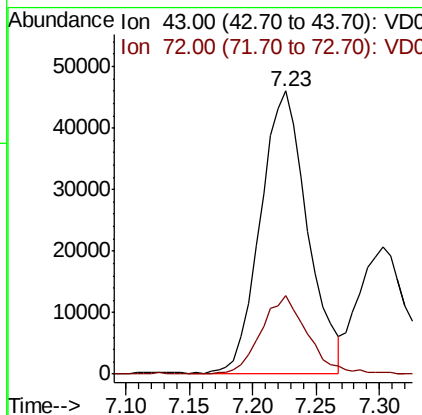
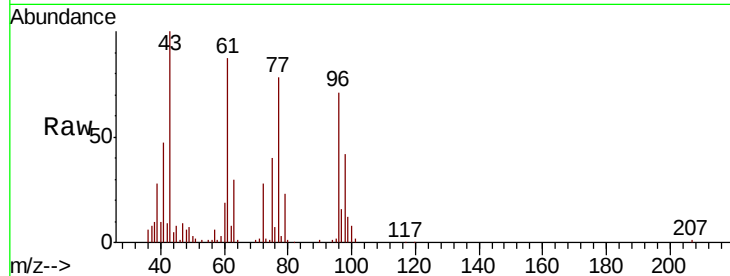
72 27.8 20.6 30.8

Manual Integrations

APPROVED

apatel

11/27/2019 5:14:04 PM



#26

2,2-Dichloropropane

Concen: 20.291 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064378.D

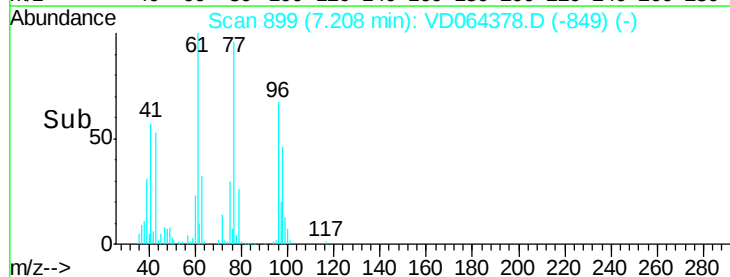
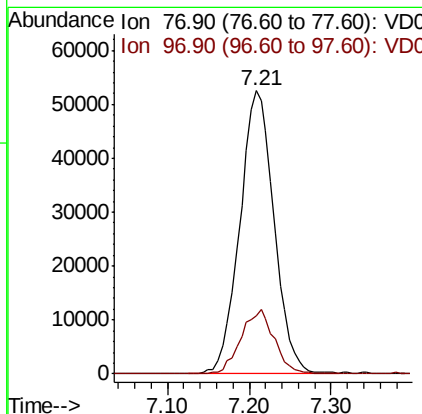
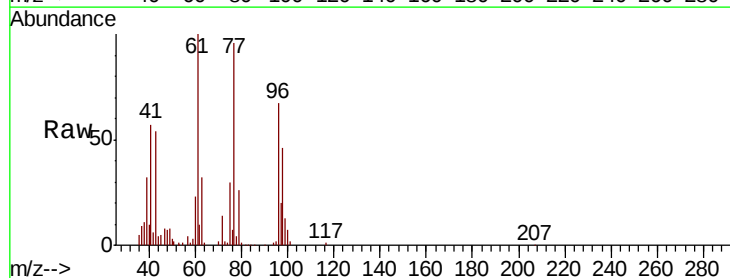
Acq: 26 Nov 2019 12:24

Tgt Ion: 77 Resp: 152969

Ion Ratio Lower Upper

77 100

97 22.0 11.1 33.3





#27

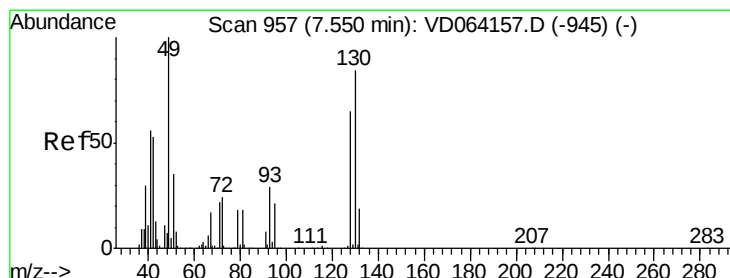
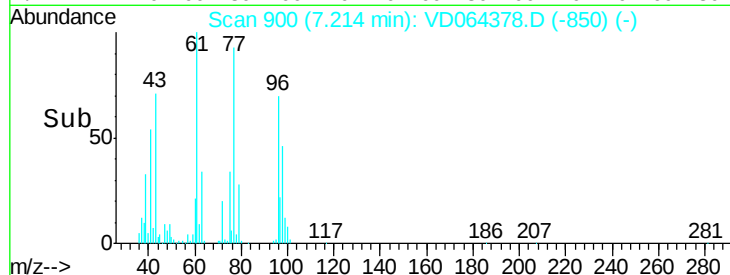
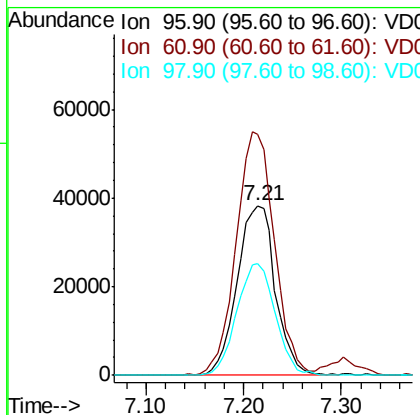
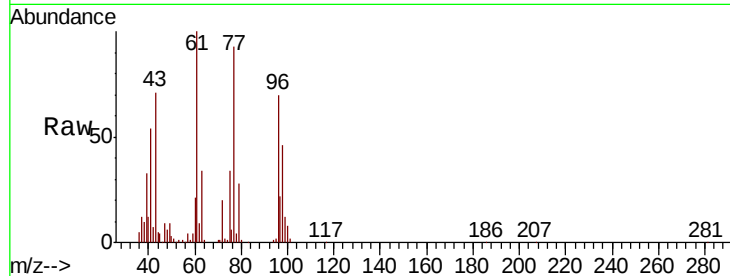
cis-1,2-Dichloroethene
Concen: 21.452 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.01 min
Lab File: VD064378.D
Acq: 26 Nov 2019 12:24

Instrument :
MSVOA_D
ClientSampleId :
VD1126SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	105190		
61	143.2	0.0	301.4	
98	66.2	0.0	133.2	

Manual Integrations
APPROVED

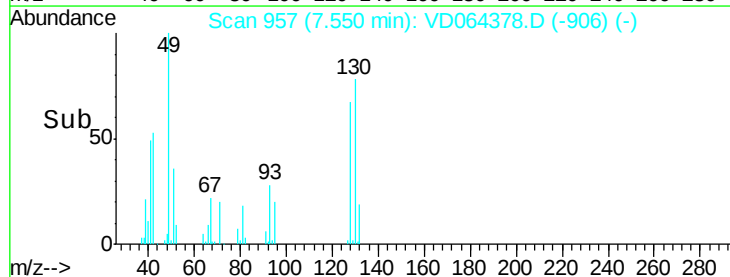
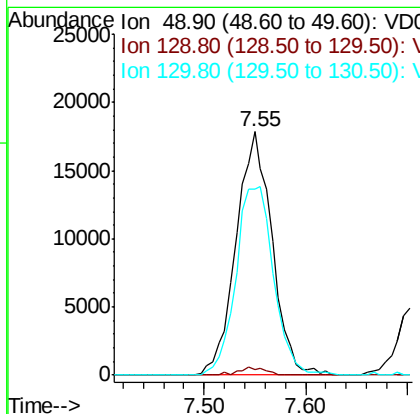
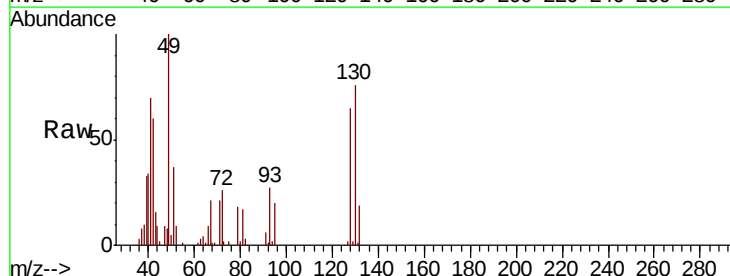
apatel
11/27/2019 5:14:04 PM

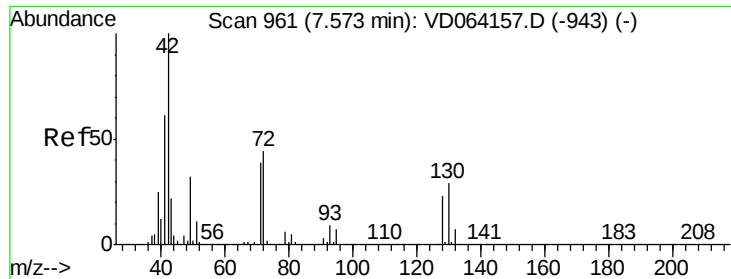


#28

Bromochloromethane
Concen: 16.391 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.00 min
Lab File: VD064378.D
Acq: 26 Nov 2019 12:24

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	43869		
129	2.3	0.0	4.4	
130	81.6	66.8	100.2	





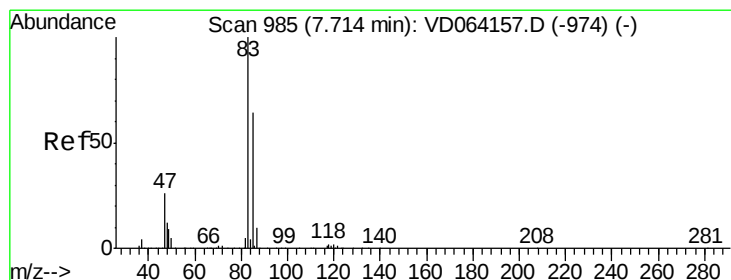
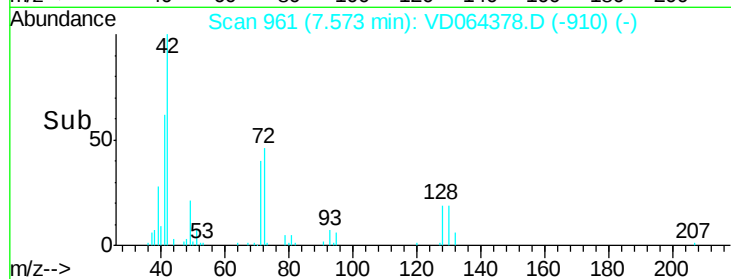
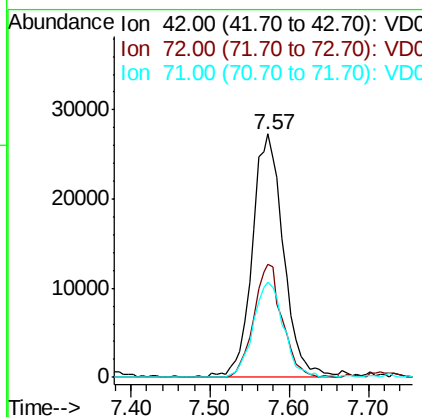
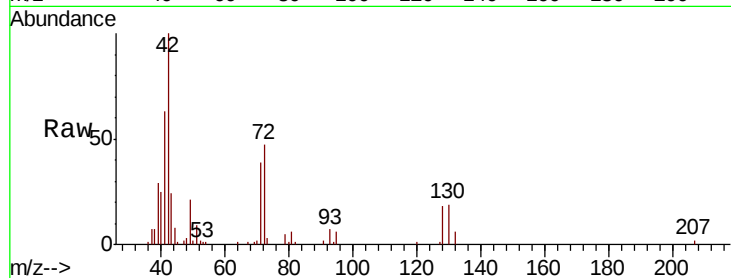
#29
Tetrahydrofuran
Concen: 102.994 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD064378.D
Acq: 26 Nov 2019 12:24

Instrument :
MSVOA_D
ClientSampleId :
VD1126SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.2	33.4	50.2
71	38.2	31.0	46.4

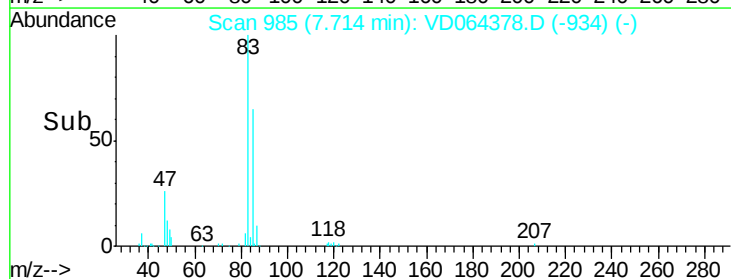
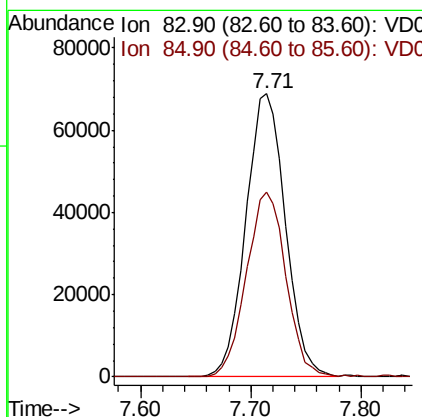
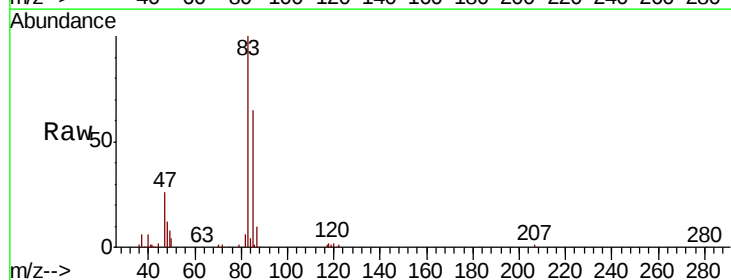
Manual Integrations
APPROVED

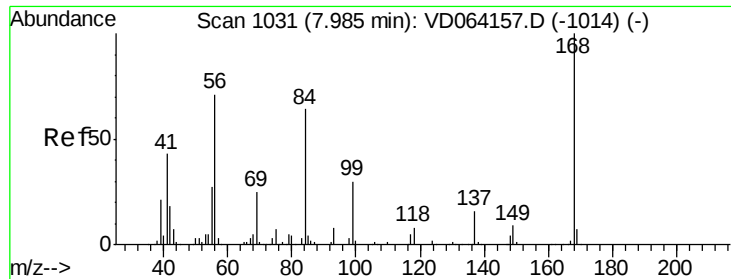
apatel
11/27/2019 5:14:04 PM



#30
Chloroform
Concen: 22.035 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD064378.D
Acq: 26 Nov 2019 12:24

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	51.4	77.0





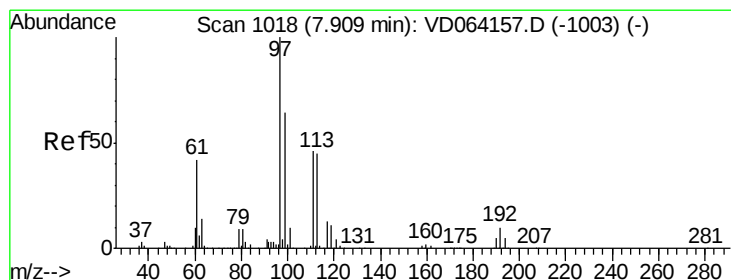
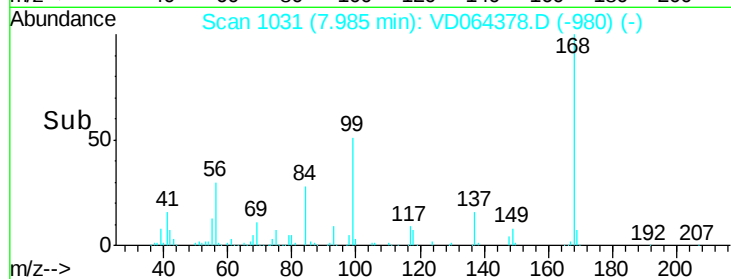
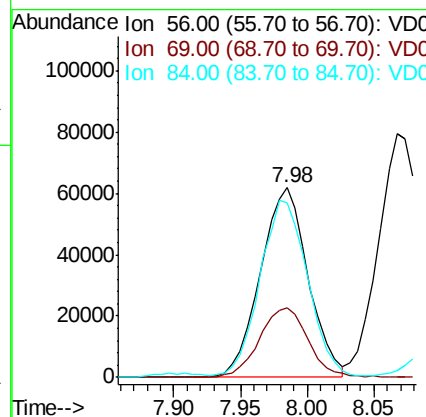
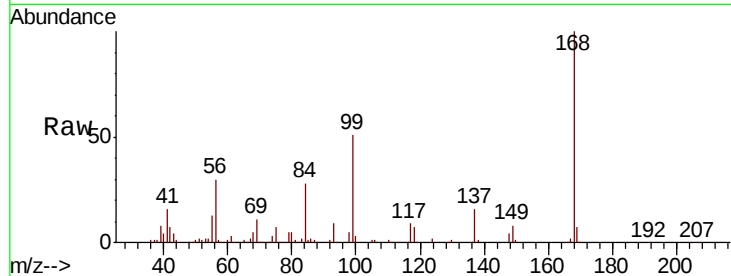
#31
Cyclohexane
Concen: 19.700 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD064378.D
Acq: 26 Nov 2019 12:24

Instrument :
MSVOA_D
ClientSampleId :
VD1126SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.8	28.2	42.4
84	90.1	71.8	107.6

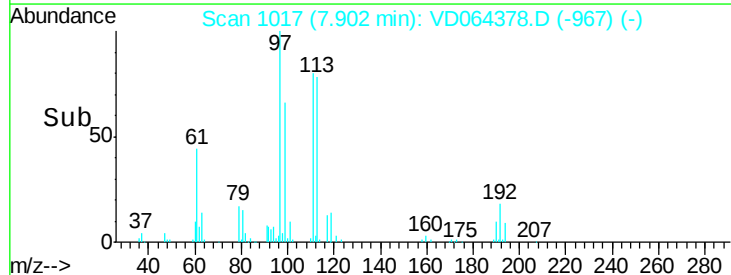
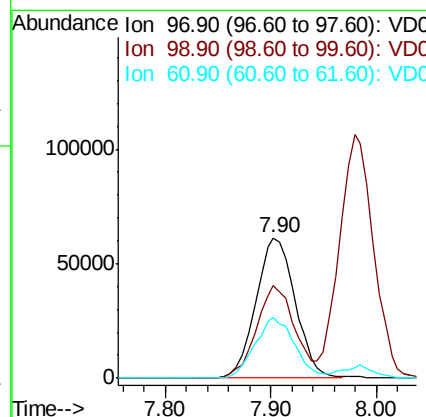
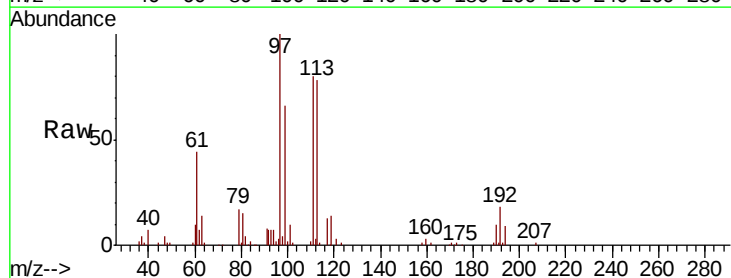
Manual Integrations
APPROVED

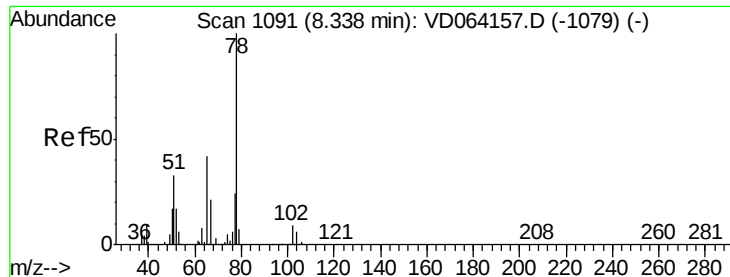
apatel
11/27/2019 5:14:04 PM



#32
1,1,1-Trichloroethane
Concen: 20.963 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064378.D
Acq: 26 Nov 2019 12:24

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.6	77.4
61	43.5	34.2	51.2





#33

1,2-Dichloroethane-d4

Concen: 49.514 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD064378.D

Acq: 26 Nov 2019 12:24

Instrument :

MSVOA_D

ClientSampleId :

VD1126SBSD01

Tot Ion: 65 Resp: 195589

Ion Ratio Lower Upper

65 100

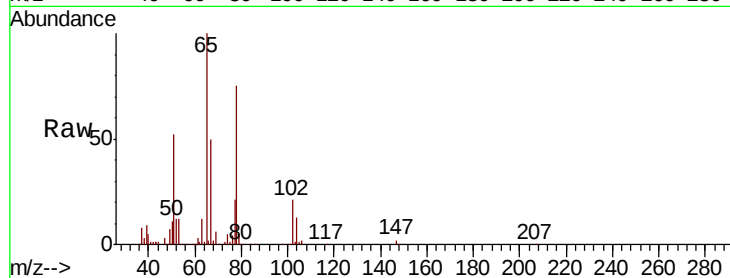
67 50.9 0.0 104.4

Manual Integrations

APPROVED

apatel

11/27/2019 5:14:04 PM



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

80000

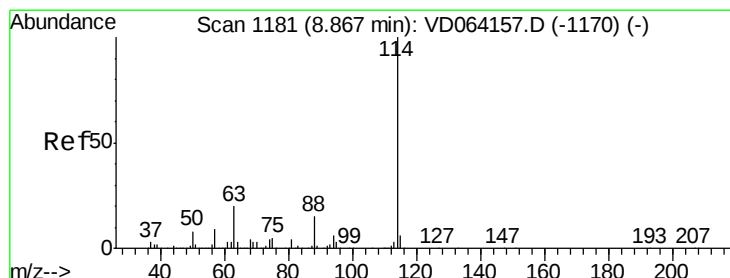
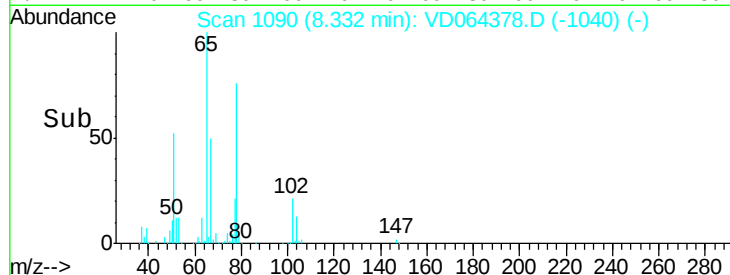
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD064378.D

Acq: 26 Nov 2019 12:24

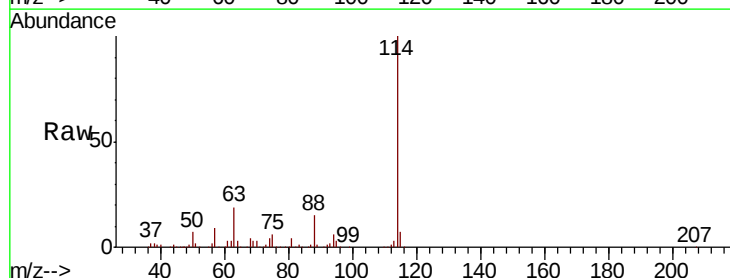
Tgt Ion: 114 Resp: 689532

Ion Ratio Lower Upper

114 100

63 19.2 0.0 40.0

88 15.4 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.87

400000

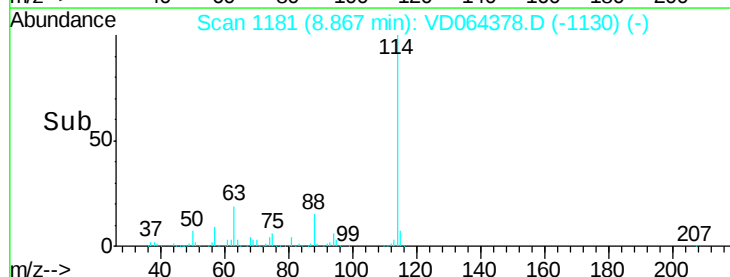
300000

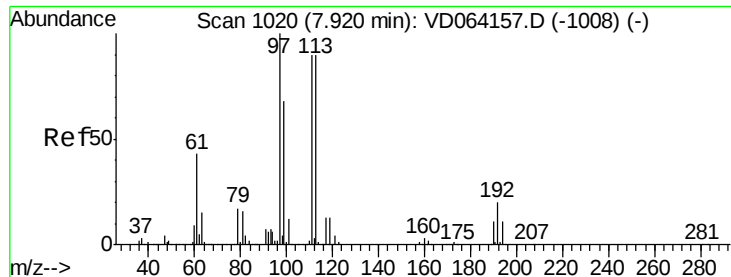
200000

100000

0

Time-->





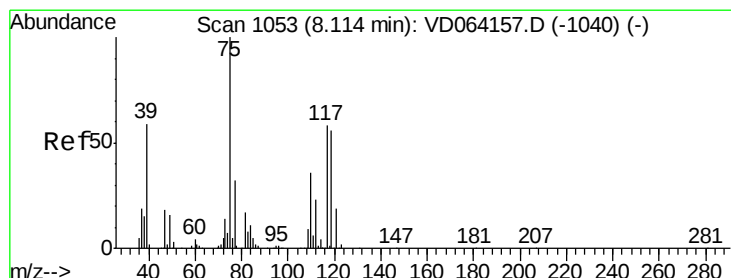
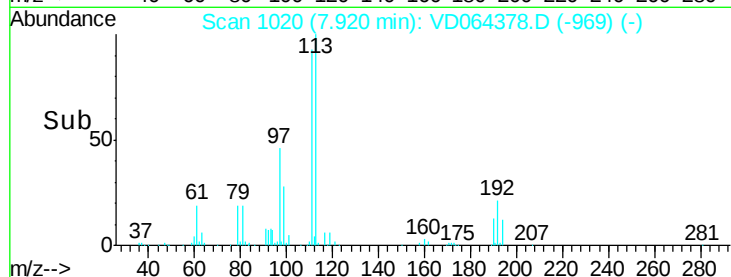
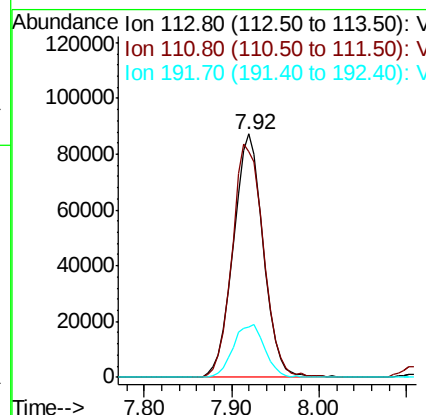
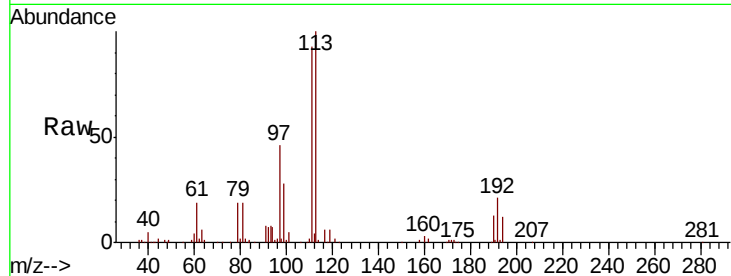
#35
 Dibromofluoromethane
 Concen: 51.173 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD064378.D
 Acq: 26 Nov 2019 12:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1126SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	202545		
111	100.6	81.5	122.3	
192	22.9	18.8	28.2	

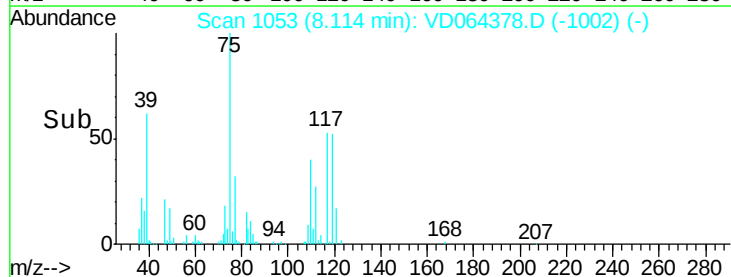
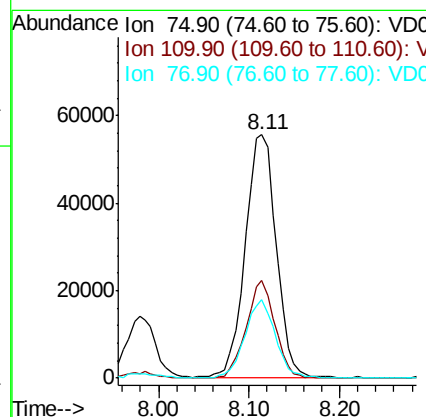
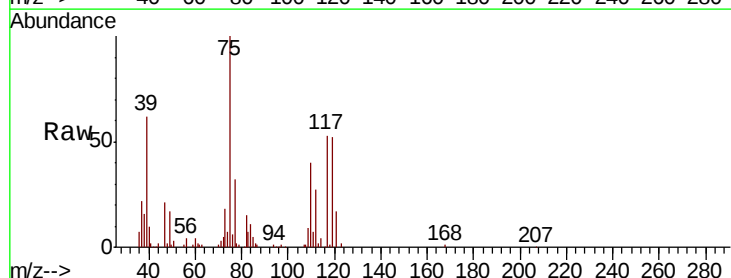
Manual Integrations
 APPROVED

apatel
 11/27/2019 5:14:04 PM



#36
 1,1-Dichloropropene
 Concen: 20.897 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD064378.D
 Acq: 26 Nov 2019 12:24

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	132982		
110	36.8	18.3	54.9	
77	31.8	25.0	37.6	





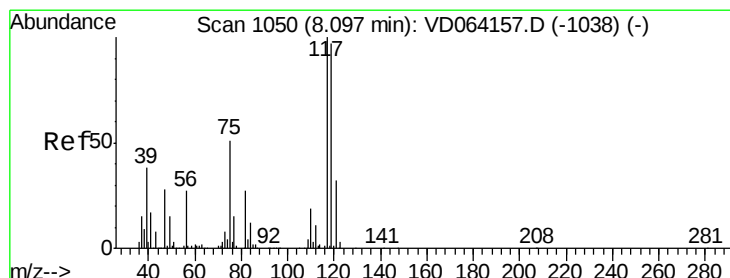
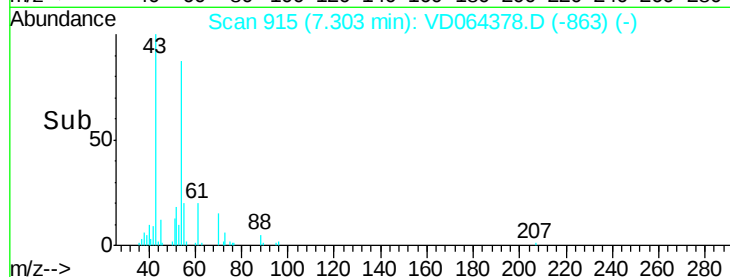
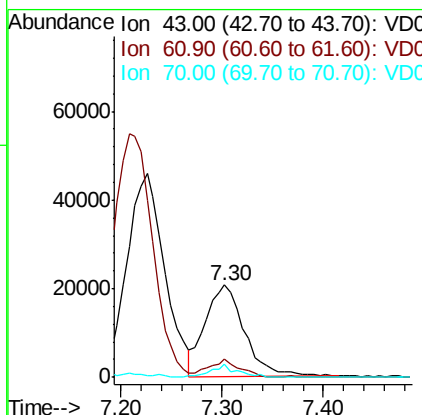
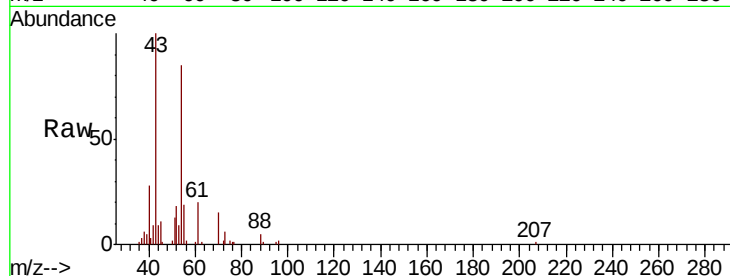
#37
Ethyl Acetate
Concen: 20.550 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064378.D
Acq: 26 Nov 2019 12:24

Instrument :
MSVOA_D
ClientSampleId :
VD1126SBS01

Tot Ion:	43	Resp:	55131
Ion	Ratio	Lower	Upper
43	100		
61	14.3	10.2	15.2
70	9.8	8.5	12.7

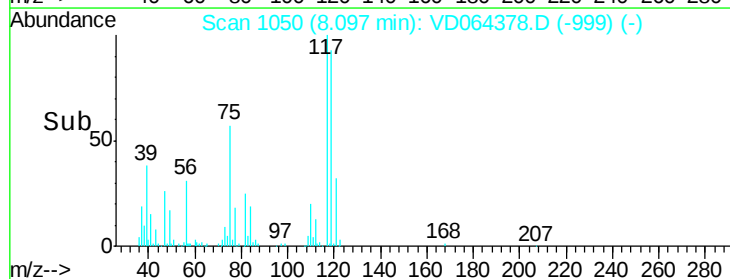
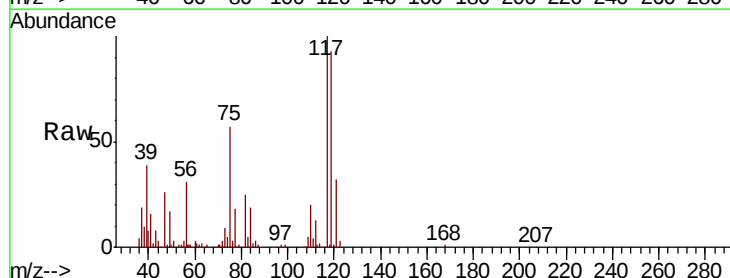
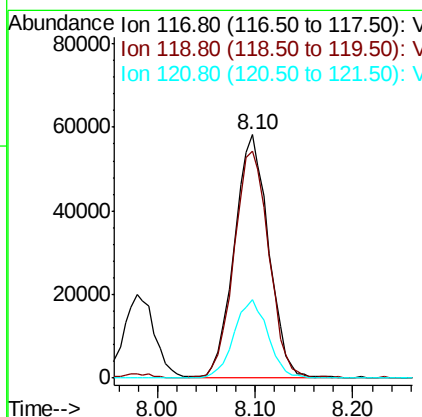
Manual Integrations
APPROVED

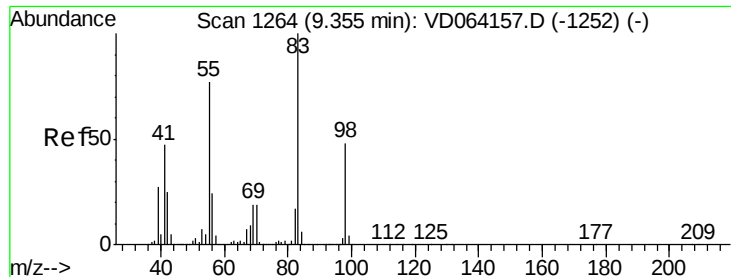
apatel
11/27/2019 5:14:04 PM



#38
Carbon Tetrachloride
Concen: 20.894 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD064378.D
Acq: 26 Nov 2019 12:24

Tgt Ion:	117	Resp:	142278
Ion	Ratio	Lower	Upper
117	100		
119	93.0	77.2	115.8
121	32.5	25.5	38.3





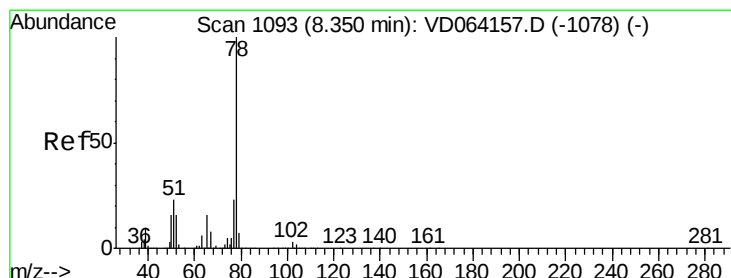
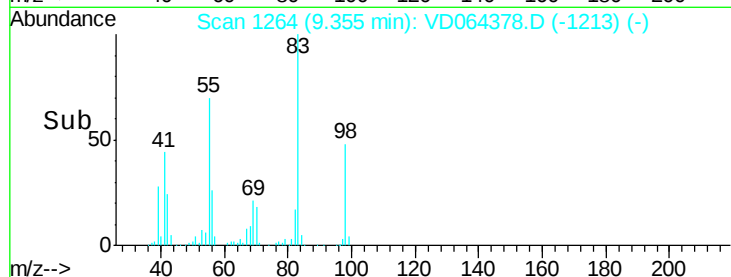
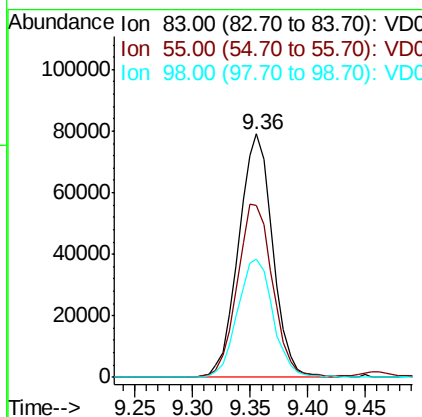
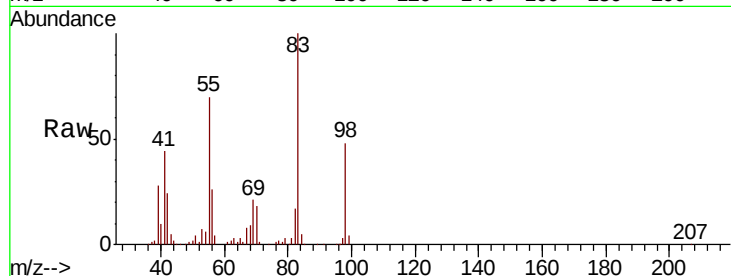
#39
Methvlcvclohexane
Concen: 20.122 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064378.D
Acq: 26 Nov 2019 12:24

Instrument :
MSVOA_D
ClientSampleId :
VD1126SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.4	61.7	92.5
98	48.5	38.6	58.0

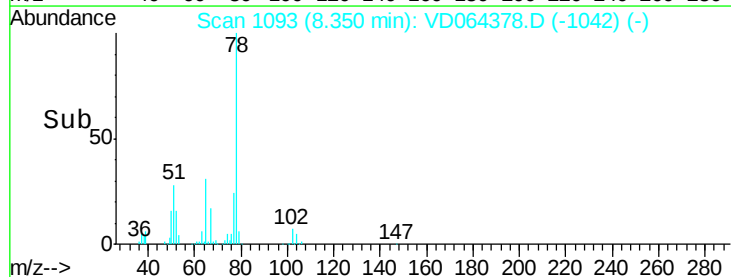
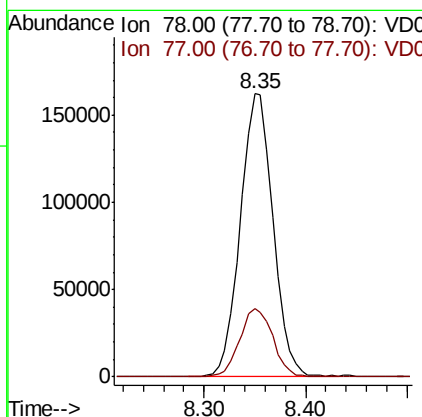
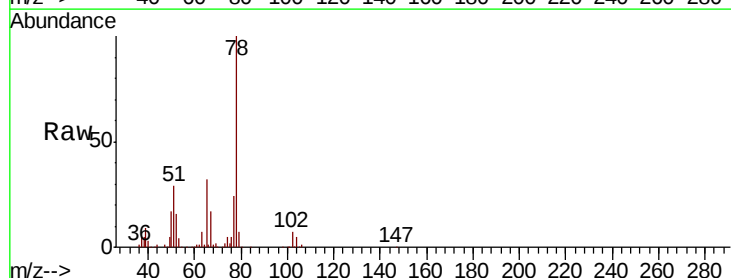
Manual Integrations
APPROVED

apatel
11/27/2019 5:14:04 PM



#40
Benzene
Concen: 20.939 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD064378.D
Acq: 26 Nov 2019 12:24

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.6	28.0





#41

Methacrylonitrile

Concen: 17.543 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD064378.D

Acq: 26 Nov 2019 12:24

Instrument :

MSVOA_D

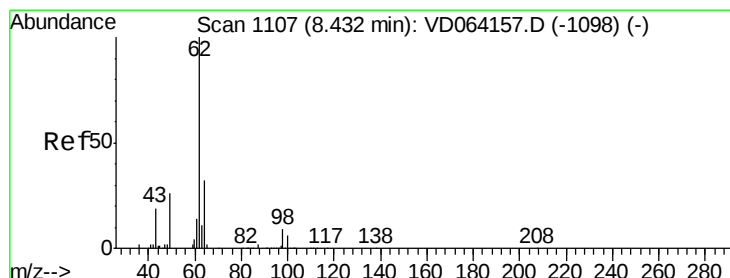
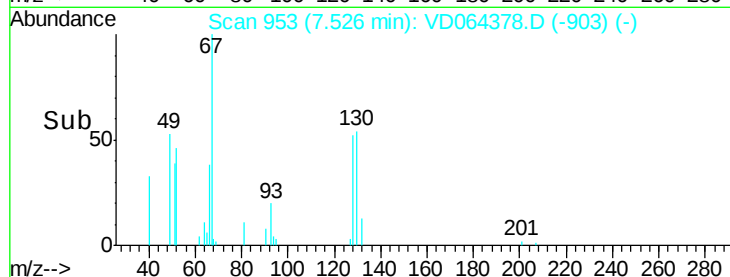
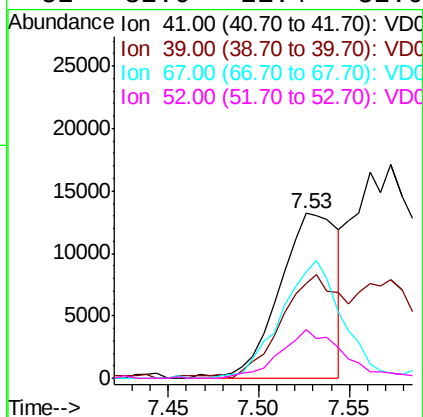
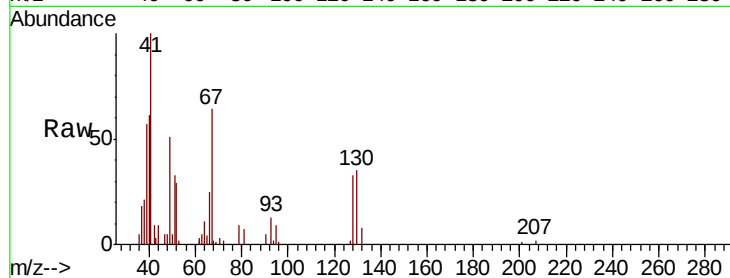
ClientSampleID :

VD1126SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	66.8	49.4	74.2
67	75.5	49.6	74.4
52	32.0	21.4	32.0

Manual Integrations
APPROVED

apatel
11/27/2019 5:14:04 PM



#42

1,2-Dichloroethane

Concen: 20.561 ug/l

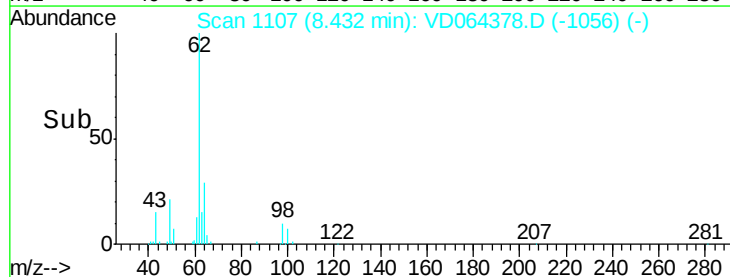
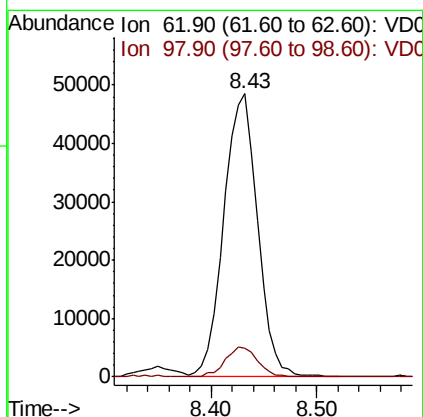
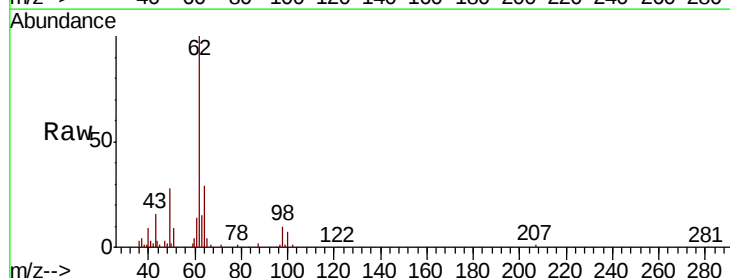
RT: 8.43 min Scan# 1107

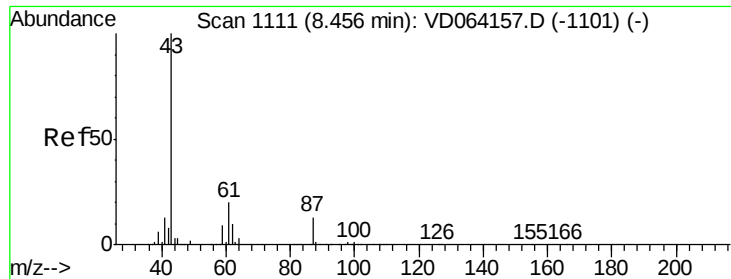
Delta R.T. -0.00 min

Lab File: VD064378.D

Acq: 26 Nov 2019 12:24

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	19.0





#43

Isopropyl Acetate

Concen: 18.976 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD064378.D

Acq: 26 Nov 2019 12:24

Instrument :

MSVOA_D

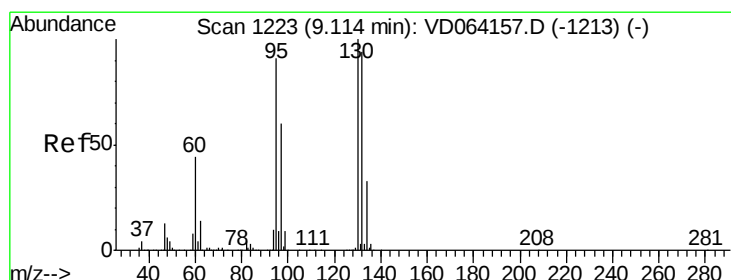
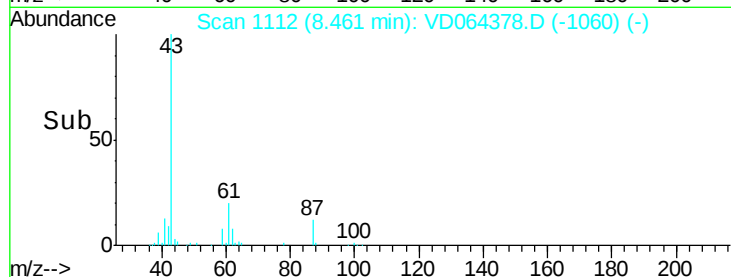
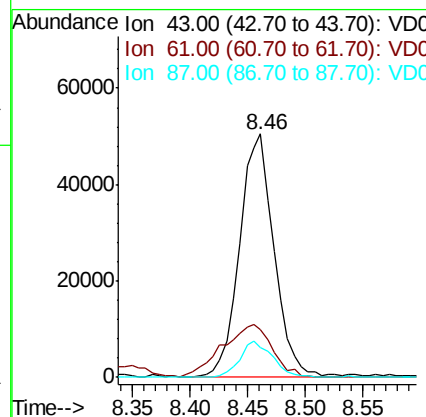
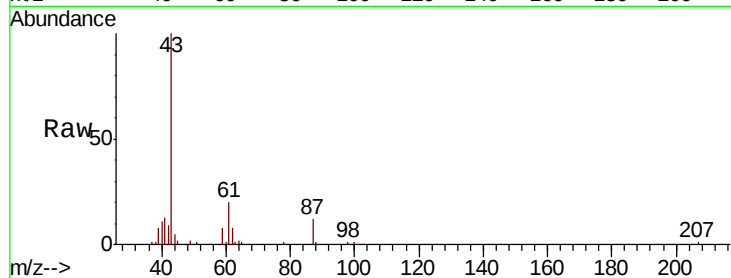
ClientSampleId :

VD1126SBS01

Tot Ion:	43	Resp:	104895
Ion Ratio	Lower	Upper	
43	100		
61	31.2	22.9	34.3
87	14.0	10.2	15.2

Manual Integrations
APPROVED

apatel
11/27/2019 5:14:04 PM



#44

Trichloroethene

Concen: 21.181 ug/l

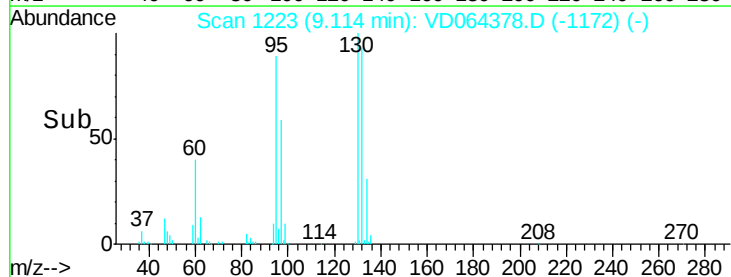
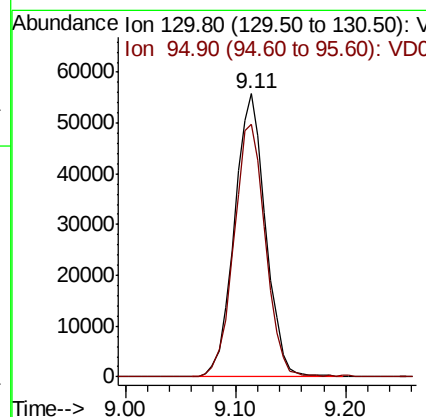
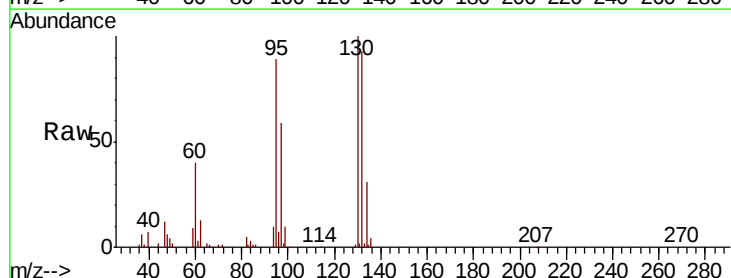
RT: 9.11 min Scan# 1223

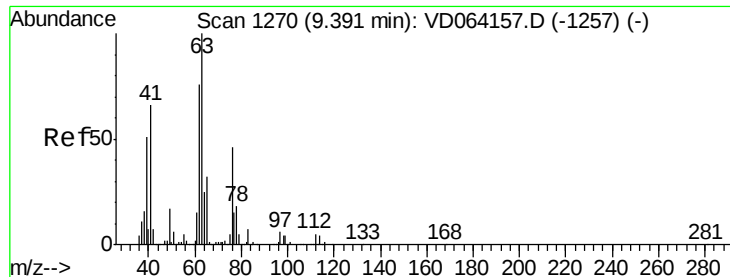
Delta R.T. -0.00 min

Lab File: VD064378.D

Acq: 26 Nov 2019 12:24

Tgt Ion:	130	Resp:	110567
Ion Ratio	Lower	Upper	
130	100		
95	89.4	0.0	181.6





#45

1,2-Dichloropropane

Concen: 21.281 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD064378.D

Acq: 26 Nov 2019 12:24

Instrument :

MSVOA_D

ClientSampleId :

VD1126SBS01

Tot Ion: 63 Resp: 90090

Ion Ratio Lower Upper

63 100

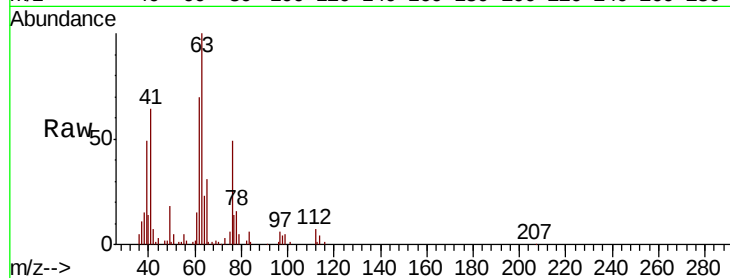
65 30.7 25.7 38.5

Manual Integrations

APPROVED

apatel

11/27/2019 5:14:04 PM



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.39

40000

30000

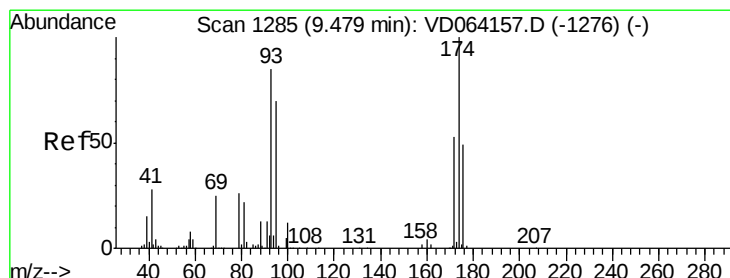
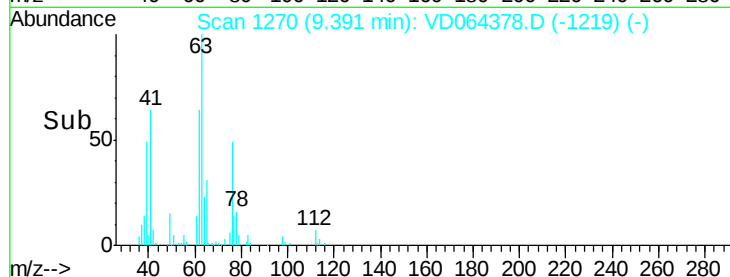
20000

10000

0

Time-->

9.30 9.40 9.50



#46

Dibromomethane

Concen: 21.490 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.01 min

Lab File: VD064378.D

Acq: 26 Nov 2019 12:24

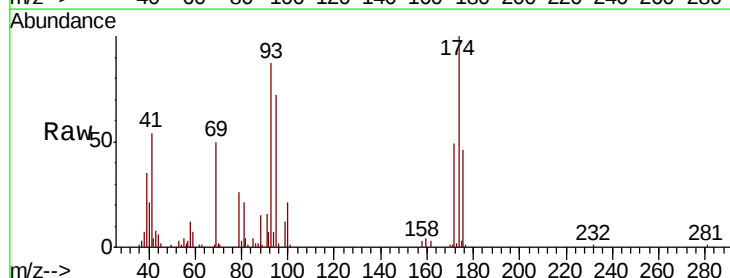
Tgt Ion: 93 Resp: 48704

Ion Ratio Lower Upper

93 100

95 83.2 65.5 98.3

174 113.8 93.9 140.9



Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

30000

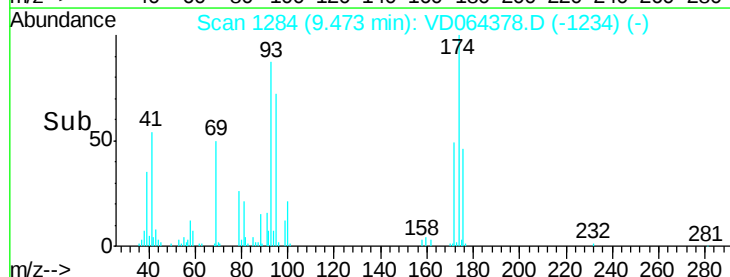
20000

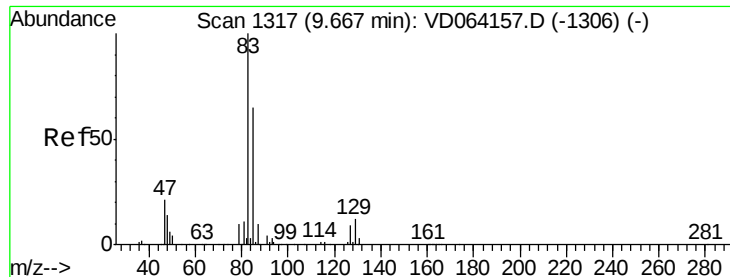
10000

0

Time-->

9.40 9.45 9.50 9.55





#47

Bromodichloromethane

Concen: 20.802 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064378.D

Acq: 26 Nov 2019 12:24

Instrument :

MSVOA_D

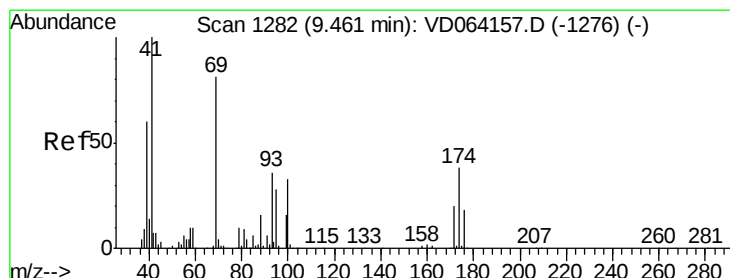
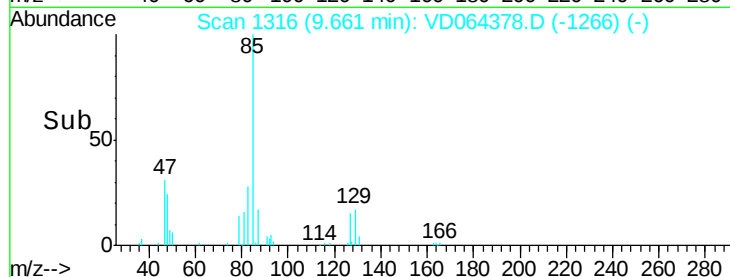
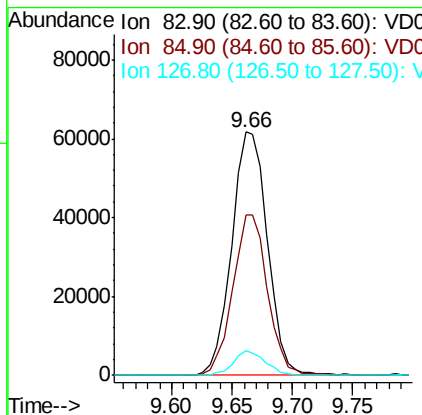
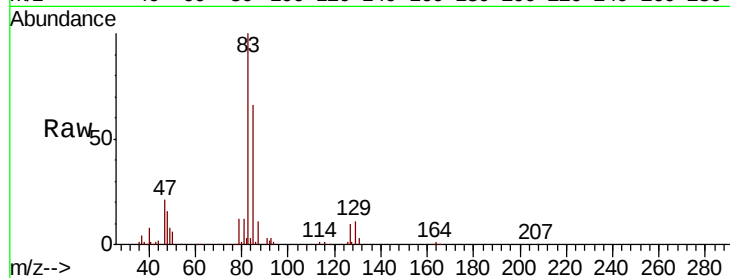
ClientSampleId :

VD1126SBSD01

Tot Ion:	83	Resp:	126984
Ion	Ratio	Lower	Upper
83	100		
85	66.1	52.2	78.4
127	10.0	7.5	11.3

Manual Integrations
APPROVED

apatel
11/27/2019 5:14:04 PM



#48

Methyl methacrylate

Concen: 19.379 ug/l

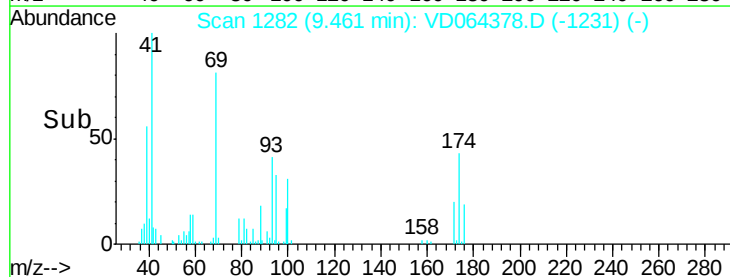
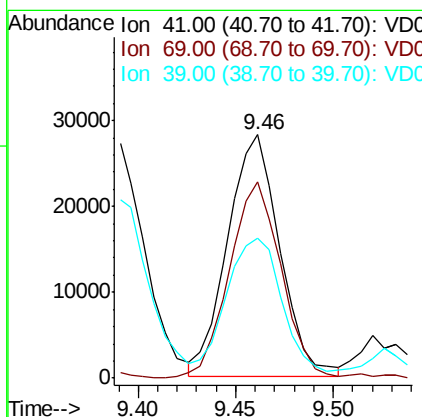
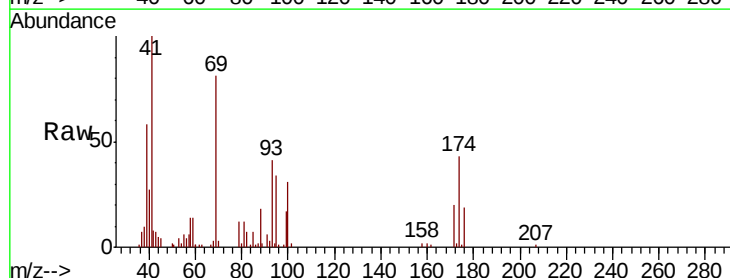
RT: 9.46 min Scan# 1282

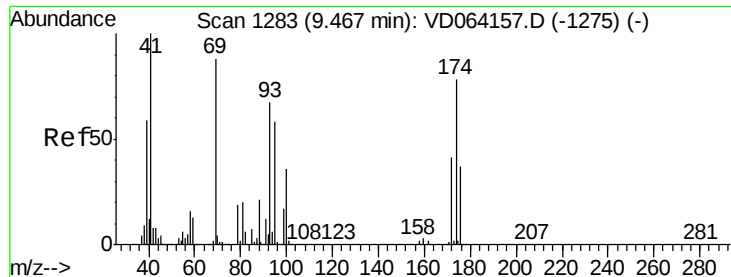
Delta R.T. -0.00 min

Lab File: VD064378.D

Acq: 26 Nov 2019 12:24

Tgt Ion:	41	Resp:	52379
Ion	Ratio	Lower	Upper
41	100		
69	80.6	64.6	97.0
39	56.1	48.2	72.2





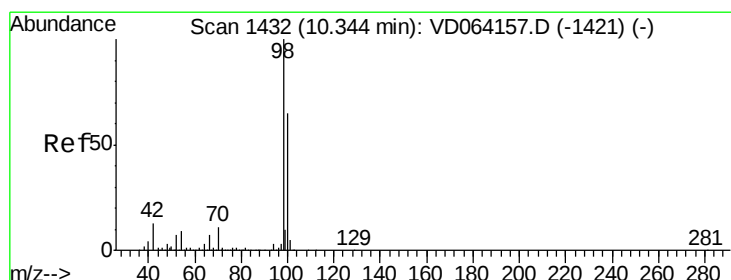
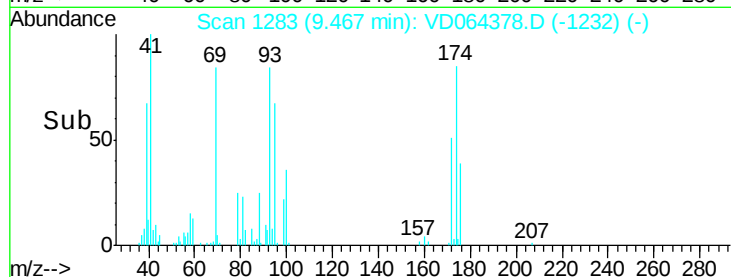
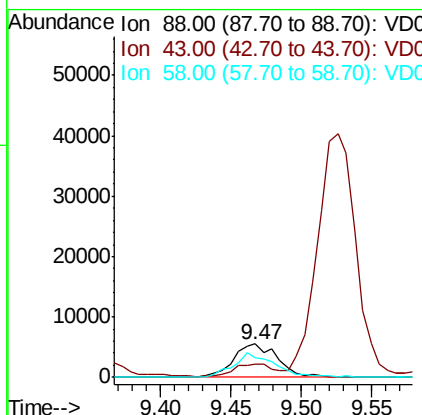
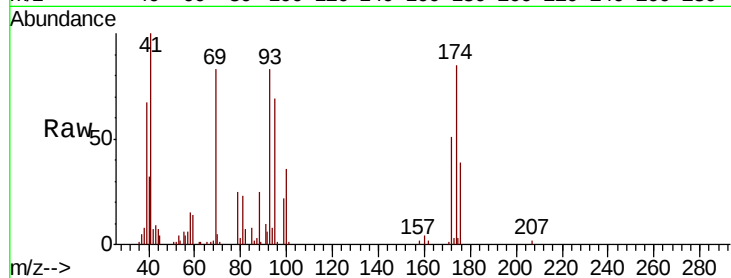
#49
1,4-Dioxane
Concen: 443.049 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD064378.D
Acq: 26 Nov 2019 12:24

Instrument :
MSVOA_D
ClientSampleId :
VD1126SBSD01

Tot Ion	88	Resp	12059
Ion Ratio	Lower	Upper	
88	100		
43	32.9	29.8	44.8
58	70.2	58.1	87.1

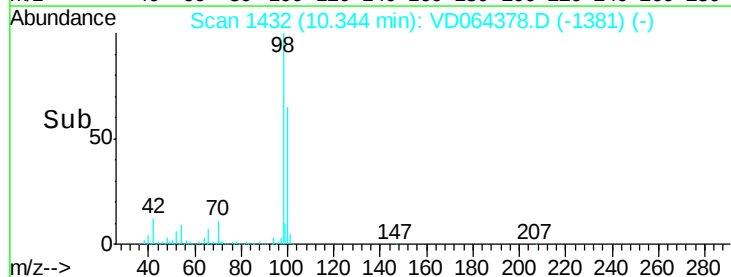
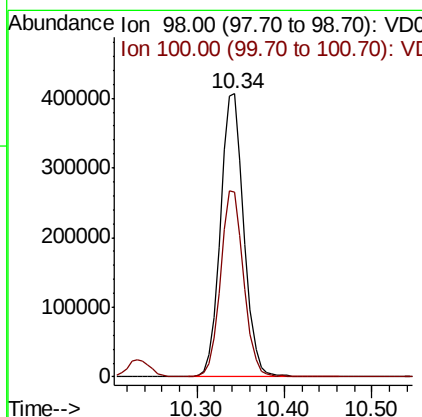
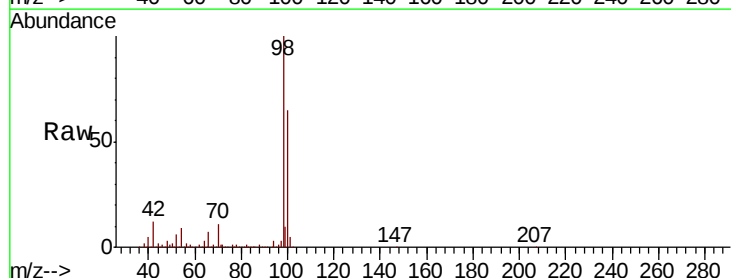
Manual Integrations
APPROVED

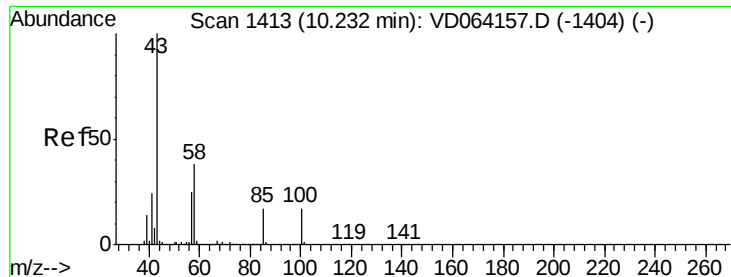
apatel
11/27/2019 5:14:04 PM



#50
Toluene-d8
Concen: 50.225 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064378.D
Acq: 26 Nov 2019 12:24

Tgt Ion	98	Resp	749929
Ion Ratio	Lower	Upper	
98	100		
100	65.1	52.6	78.8





#51

4-Methyl-2-Pentanone

Concen: 98.731 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD064378.D

Acq: 26 Nov 2019 12:24

Instrument :

MSVOA_D

ClientSampleId :

VD1126SBS01

Tot Ion: 43 Resp: 261713

Ion Ratio Lower Upper

43 100

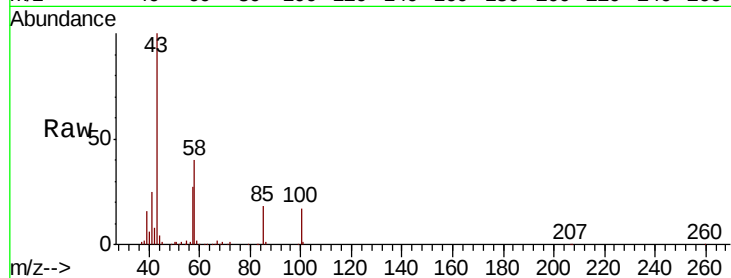
58 38.3 30.2 45.4

Manual Integrations

APPROVED

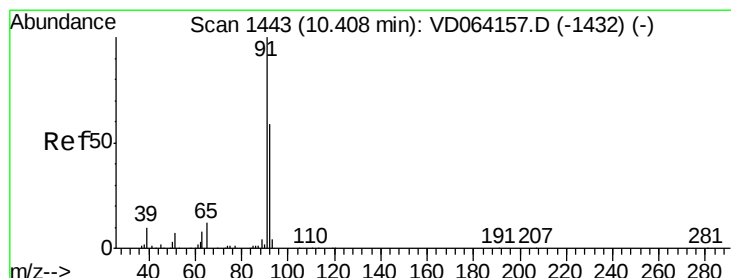
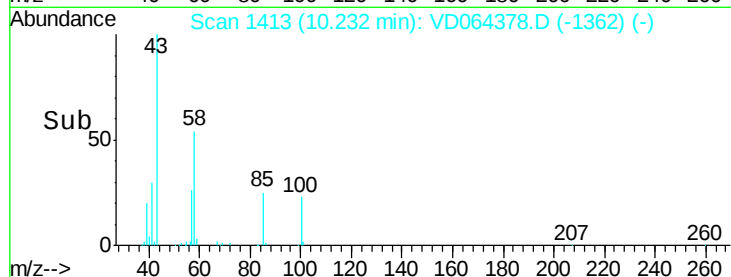
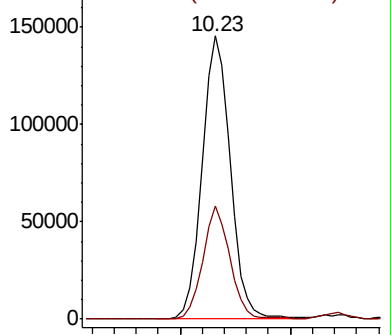
apatel

11/27/2019 5:14:04 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 20.837 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD064378.D

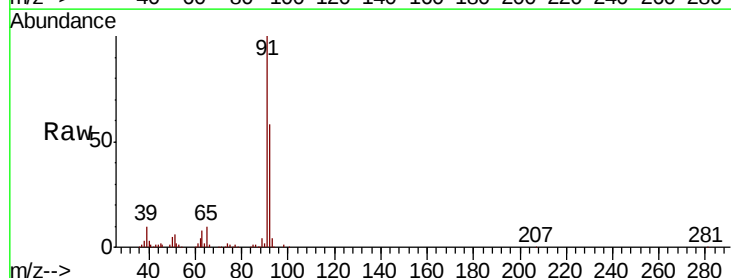
Acq: 26 Nov 2019 12:24

Tgt Ion: 92 Resp: 238304

Ion Ratio Lower Upper

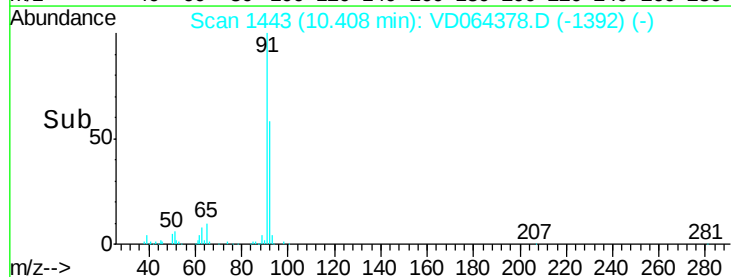
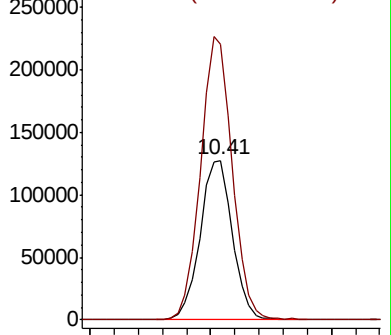
92 100

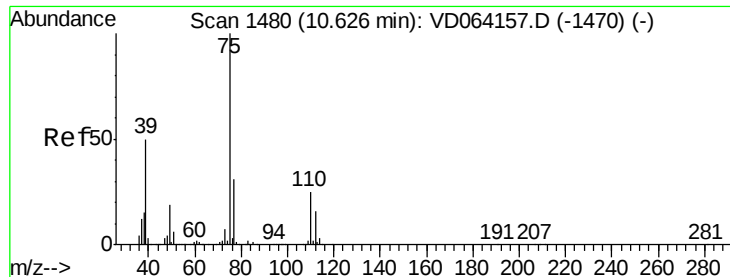
91 173.5 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 19.556 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD064378.D

Acq: 26 Nov 2019 12:24

Instrument :

MSVOA_D

ClientSampleId :

VD1126SBS01

Tot Ion: 75 Resp: 119598

Ion Ratio Lower Upper

75 100

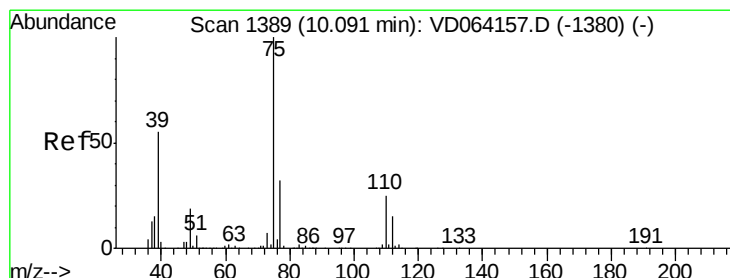
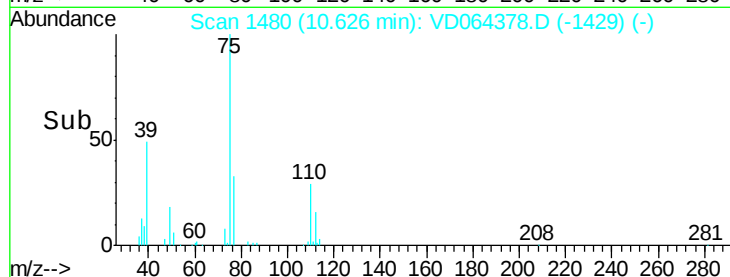
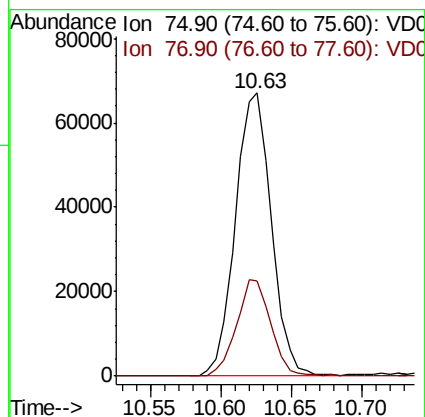
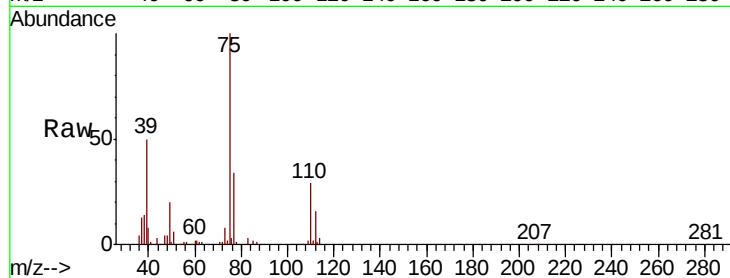
77 33.7 24.7 37.1

Manual Integrations

APPROVED

apatel

11/27/2019 5:14:04 PM



#54

cis-1,3-Dichloropropene

Concen: 20.126 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD064378.D

Acq: 26 Nov 2019 12:24

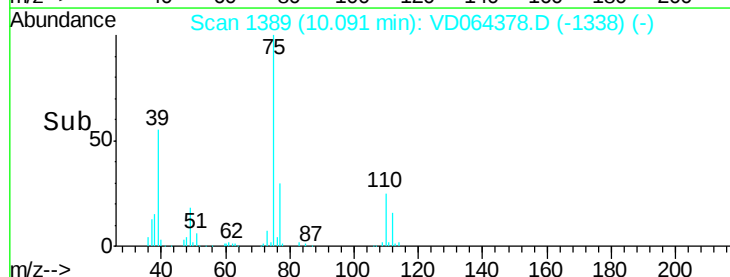
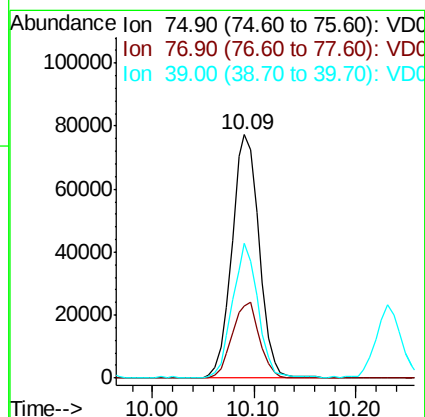
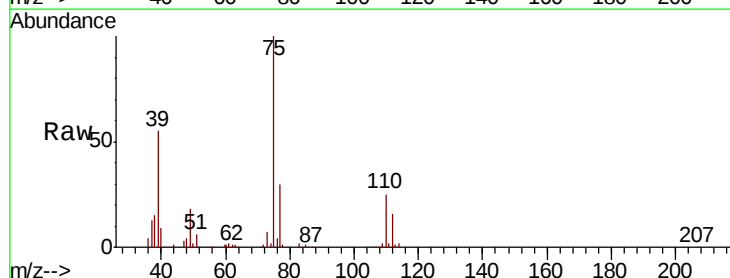
Tgt Ion: 75 Resp: 143630

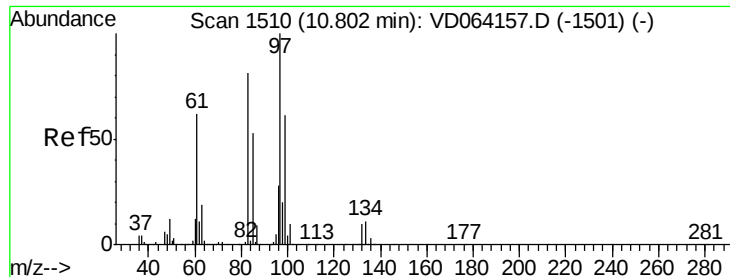
Ion Ratio Lower Upper

75 100

77 29.6 25.2 37.8

39 55.2 44.2 66.2





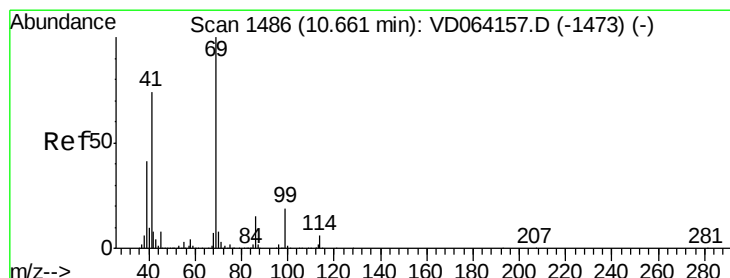
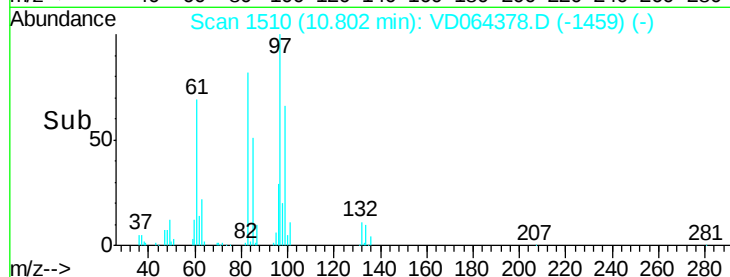
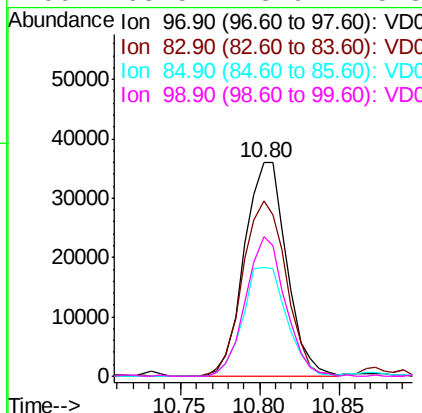
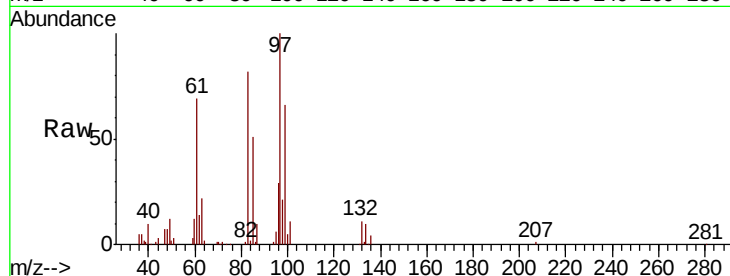
#55
 1,1,2-Trichloroethane
 Concen: 21.751 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD064378.D
 Acq: 26 Nov 2019 12:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1126SBS01

Tot Ion:	97	Resp:	66872
Ion	Ratio	Lower	Upper
97	100		
83	82.0	65.1	97.7
85	51.1	42.0	63.0
99	65.5	48.9	73.3

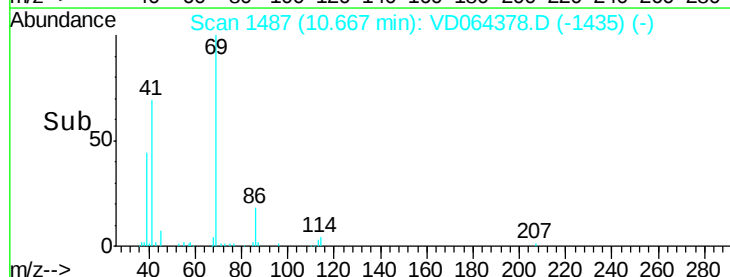
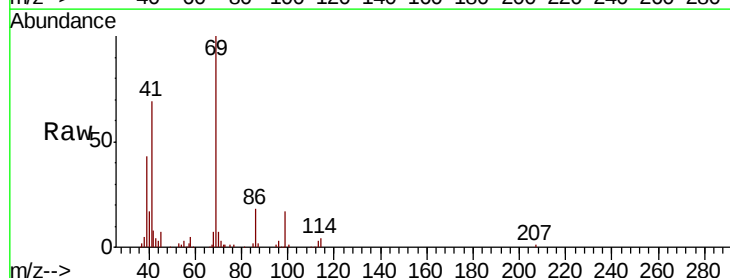
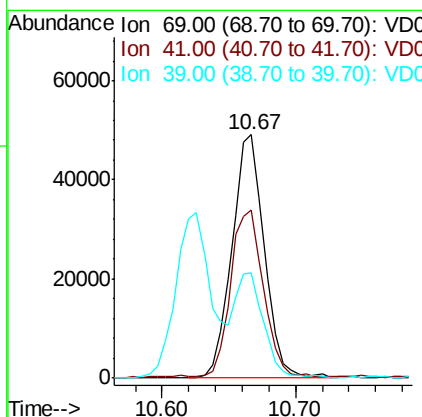
Manual Integrations
 APPROVED

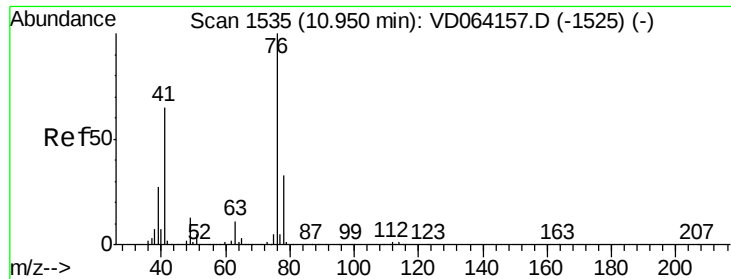
apatel
 11/27/2019 5:14:04 PM



#56
 Ethyl methacrylate
 Concen: 19.273 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD064378.D
 Acq: 26 Nov 2019 12:24

Tgt Ion:	69	Resp:	82888
Ion	Ratio	Lower	Upper
69	100		
41	69.1	57.9	86.9
39	37.8	29.0	43.4





#57

1,3-Dichloropropane

Concen: 21.088 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD064378.D

Acq: 26 Nov 2019 12:24

Instrument :

MSVOA_D

ClientSampleId :

VD1126SBSD01

Tot Ion: 76 Resp: 113070

Ion Ratio Lower Upper

76 100

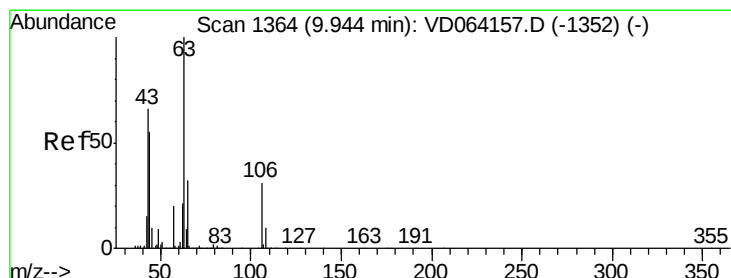
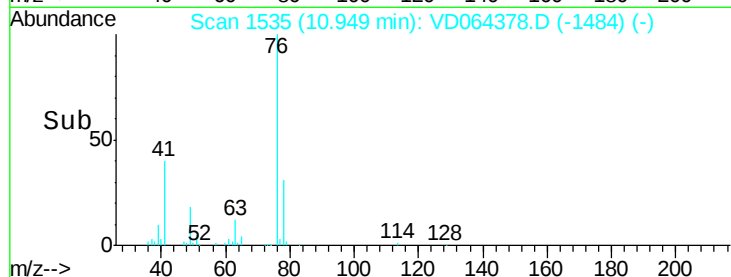
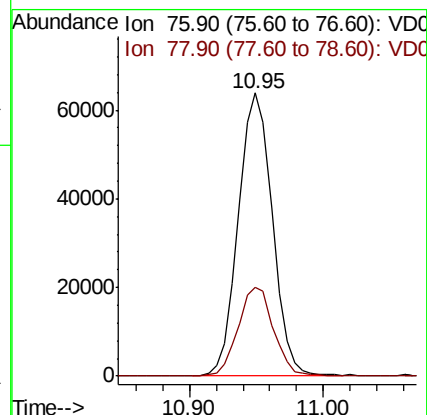
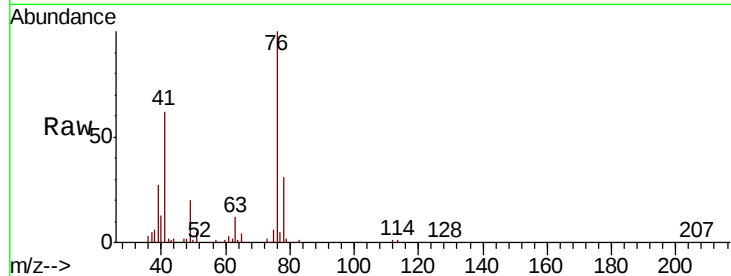
78 32.5 26.2 39.4

Manual Integrations

APPROVED

apatel

11/27/2019 5:14:04 PM



#58

2-Chloroethyl Vinyl ether

Concen: 97.692 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD064378.D

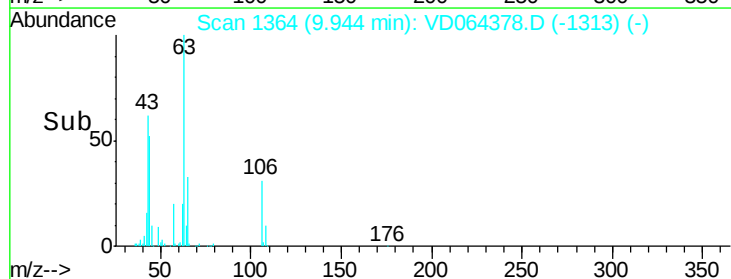
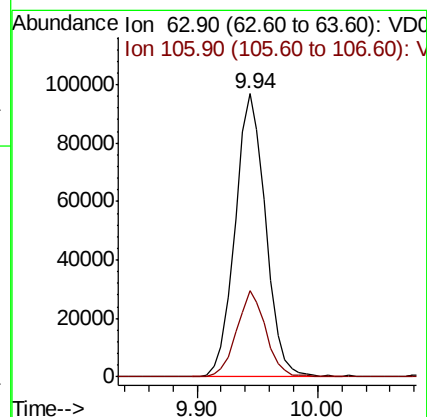
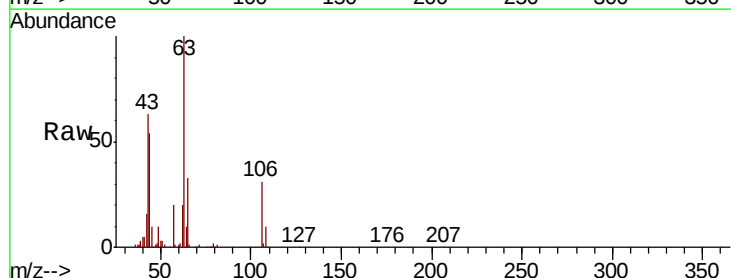
Acq: 26 Nov 2019 12:24

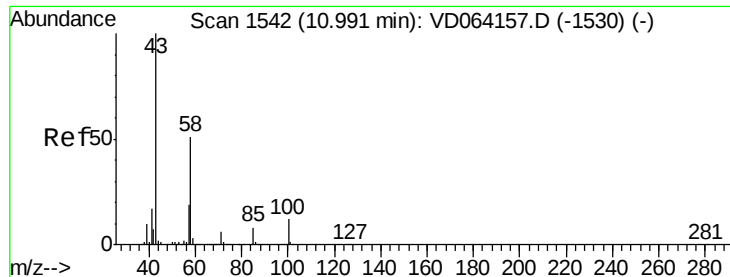
Tgt Ion: 63 Resp: 170189

Ion Ratio Lower Upper

63 100

106 29.2 24.1 36.1





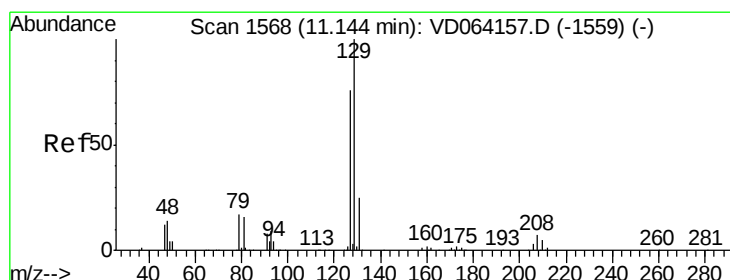
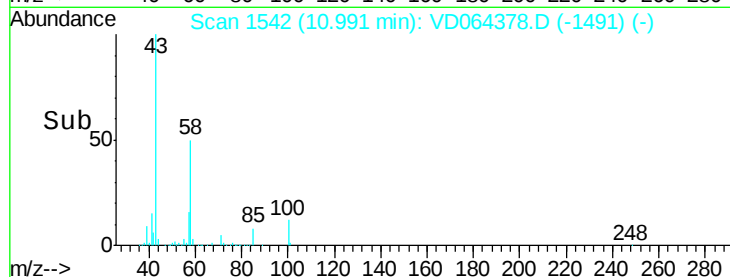
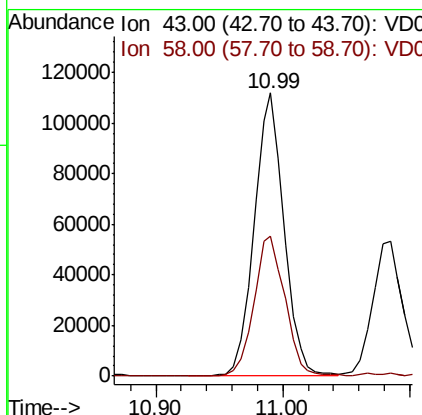
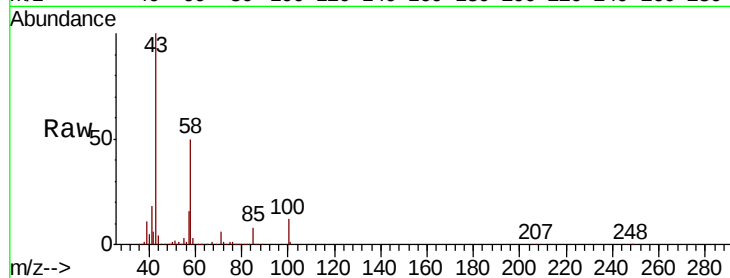
#59
2-Hexanone
Concen: 97.140 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD064378.D
Acq: 26 Nov 2019 12:24

Instrument :
MSVOA_D
ClientSampleId :
VD1126SBSD01

Tot Ion: 43 Resp: 183194
Ion Ratio Lower Upper
43 100
58 51.6 25.9 77.7

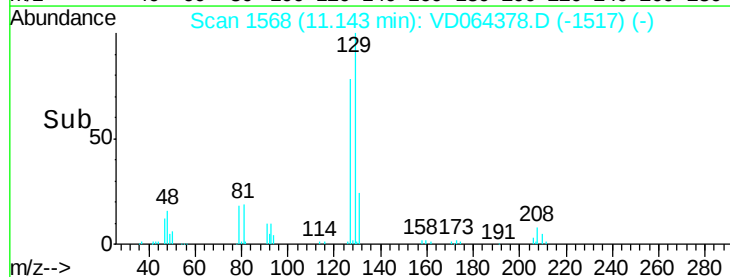
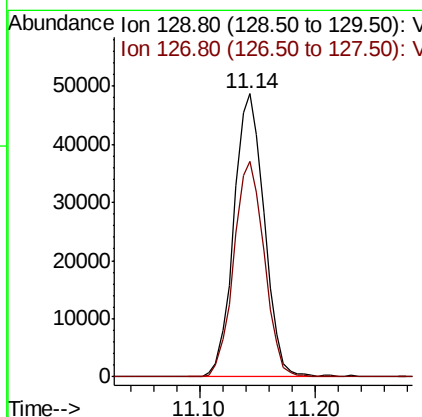
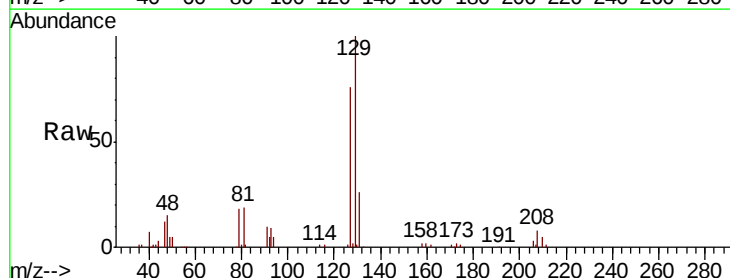
Manual Integrations
APPROVED

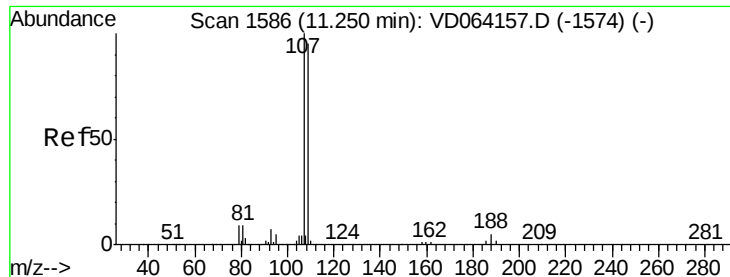
apatel
11/27/2019 5:14:04 PM



#60
Dibromochloromethane
Concen: 20.672 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD064378.D
Acq: 26 Nov 2019 12:24

Tgt Ion: 129 Resp: 88681
Ion Ratio Lower Upper
129 100
127 76.5 38.6 115.8





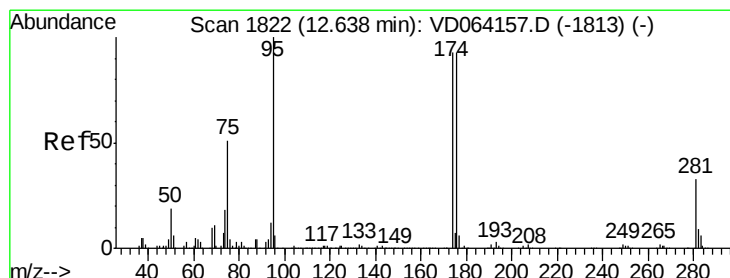
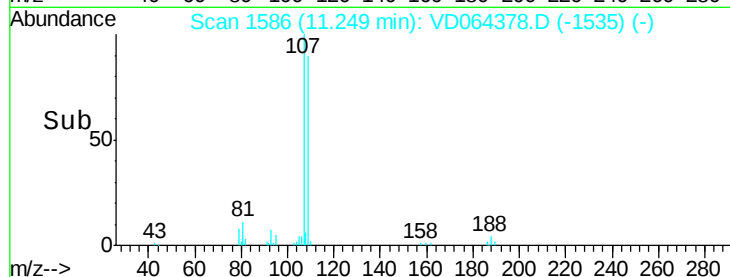
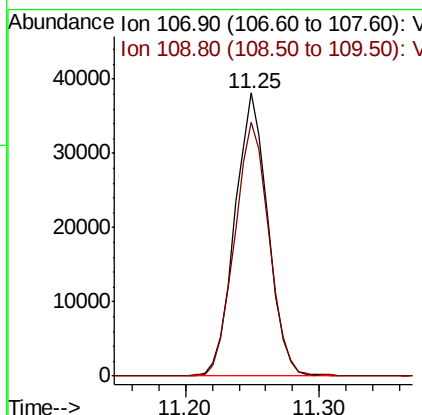
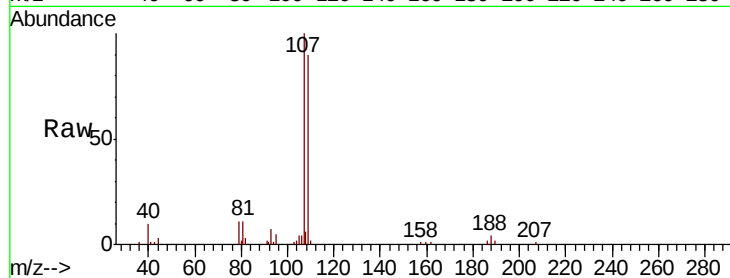
#61
 1,2-Dibromoethane
 Concen: 21.245 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD064378.D
 Acq: 26 Nov 2019 12:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1126SBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.0	75.1	112.7

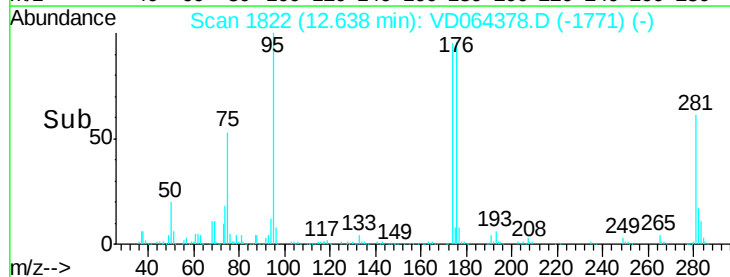
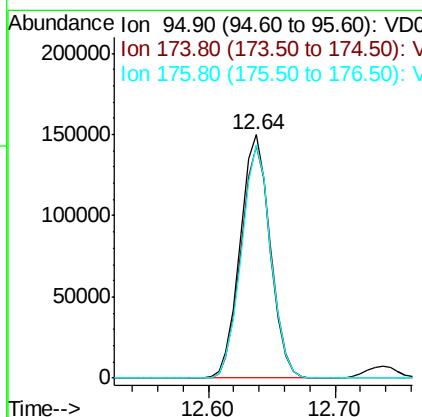
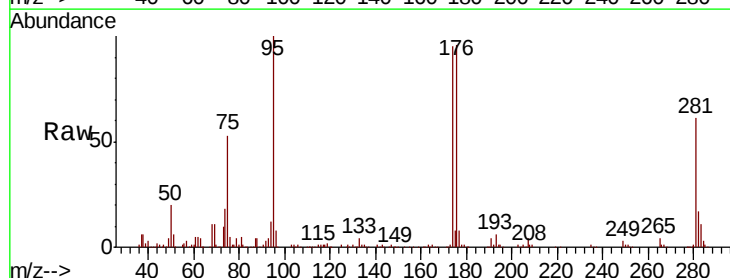
Manual Integrations
 APPROVED

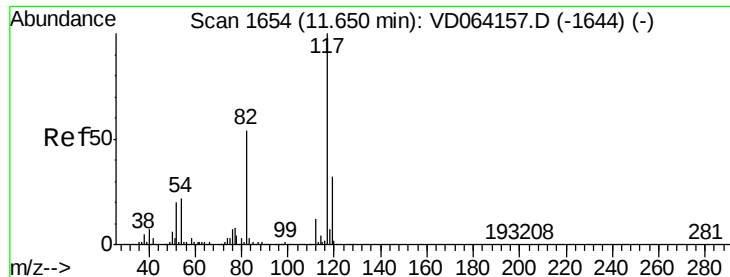
apatel
 11/27/2019 5:14:04 PM



#62
 4-Bromofluorobenzene
 Concen: 47.321 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD064378.D
 Acq: 26 Nov 2019 12:24

Tgt Ion	Ratio	Lower	Upper
95	100		
174	95.9	0.0	183.6
176	93.9	0.0	180.2





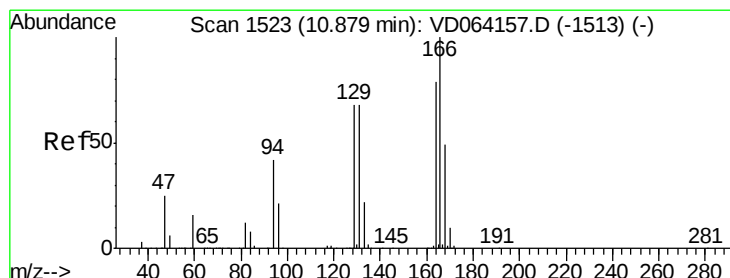
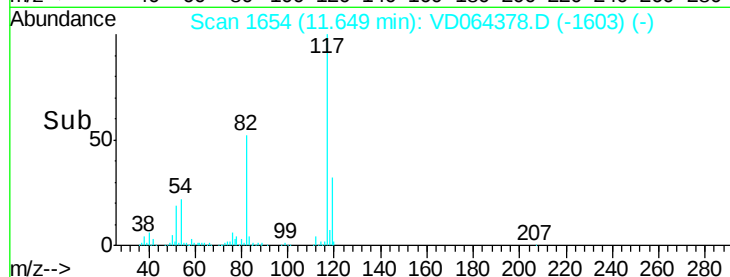
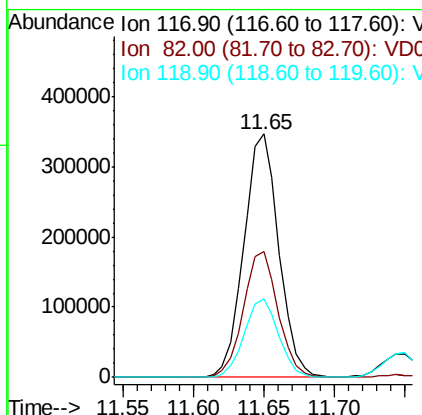
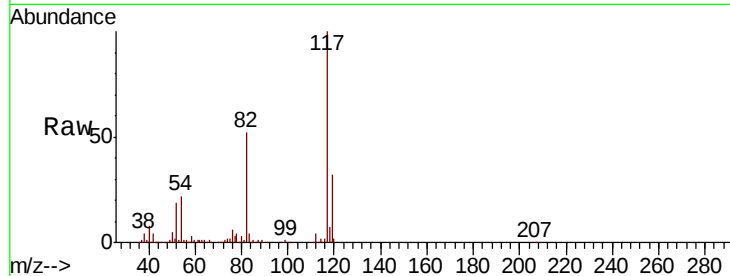
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064378.D
Acq: 26 Nov 2019 12:24

Instrument :
MSVOA_D
ClientSampleId :
VD1126SBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.8	42.8	64.2
119	32.3	25.6	38.4

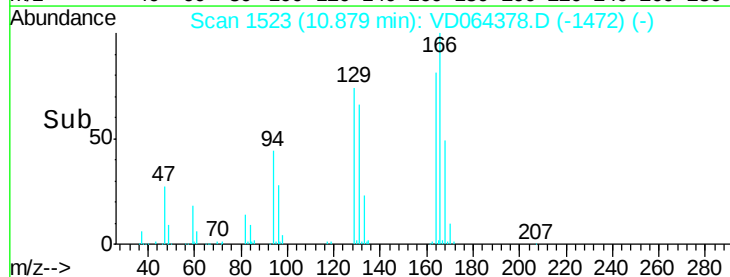
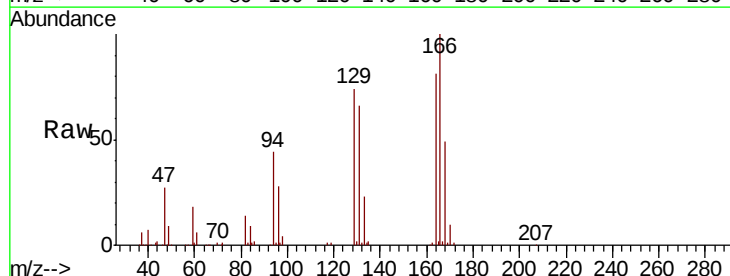
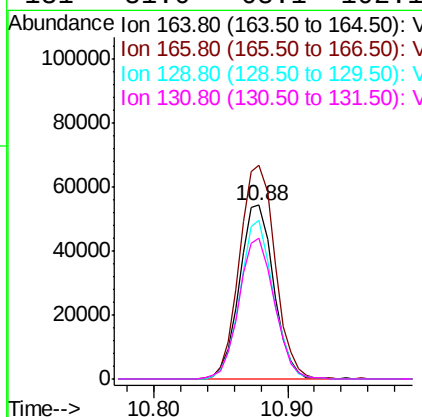
Manual Integrations
APPROVED

apatel
11/27/2019 5:14:04 PM



#64
Tetrachloroethene
Concen: 20.892 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD064378.D
Acq: 26 Nov 2019 12:24

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.1	100.8	151.2
129	91.1	68.7	103.1
131	81.0	68.1	102.1





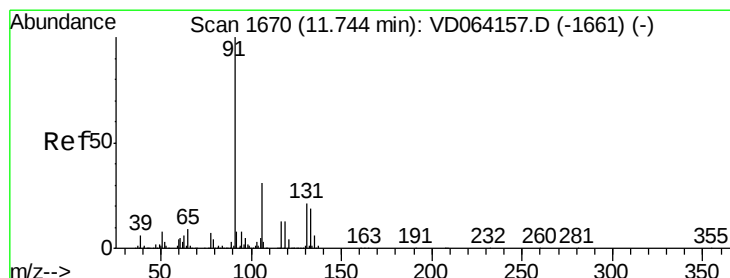
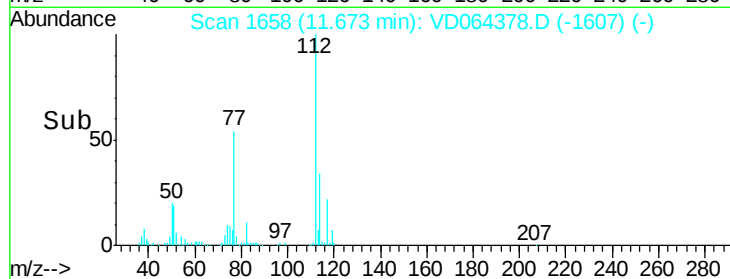
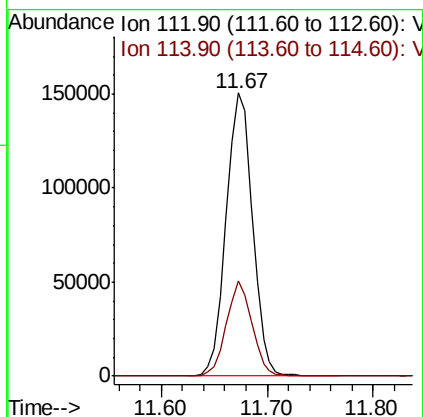
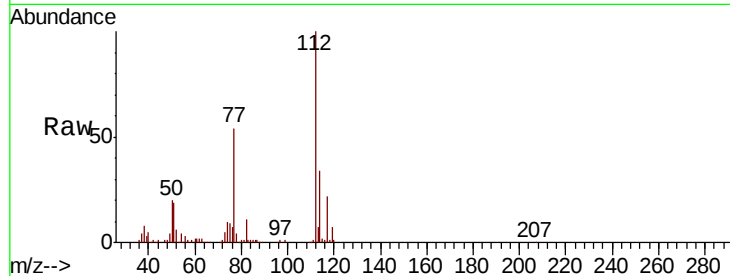
#65
Chlorobenzene
Concen: 21.271 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD064378.D
Acq: 26 Nov 2019 12:24

Instrument :
MSVOA_D
ClientSampleId :
VD1126SBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.8	25.2	37.8

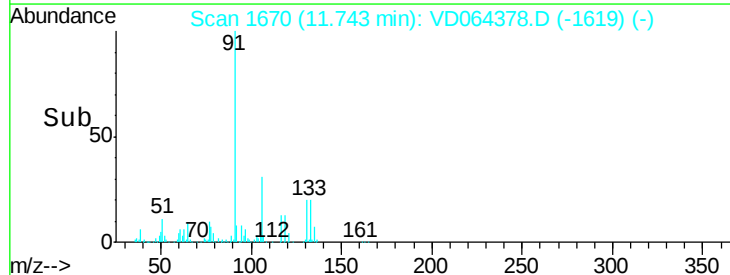
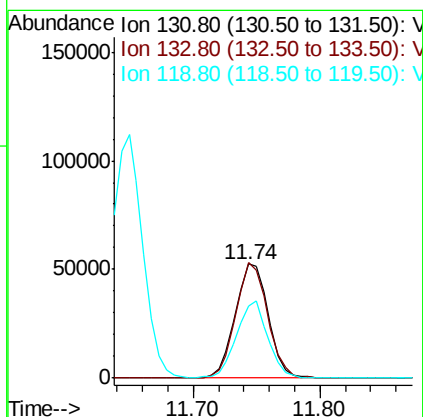
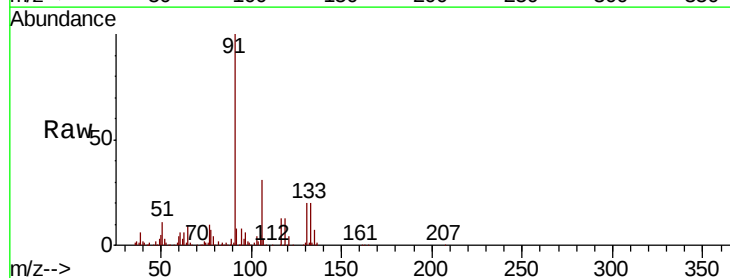
Manual Integrations
APPROVED

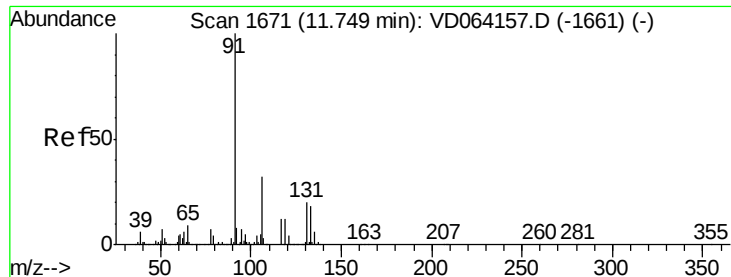
apatel
11/27/2019 5:14:04 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.499 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD064378.D
Acq: 26 Nov 2019 12:24

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.4	47.3	141.9
119	63.7	31.1	93.3





#67

Ethyl Benzene

Concen: 20.920 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD064378.D

Acq: 26 Nov 2019 12:24

Instrument :

MSVOA_D

ClientSampleId :

VD1126SBS01

Tot Ion: 91 Resp: 462267

Ion Ratio Lower Upper

91 100

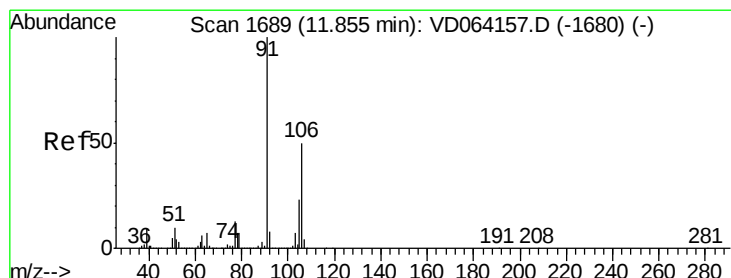
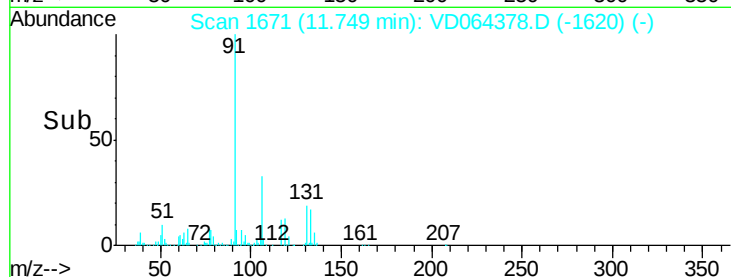
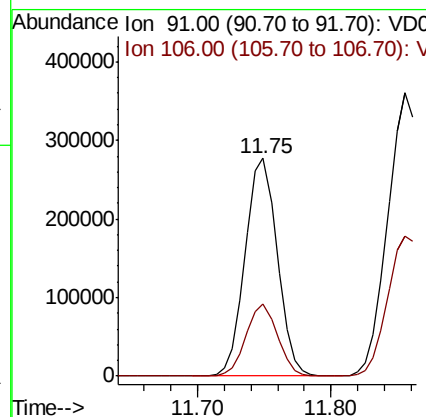
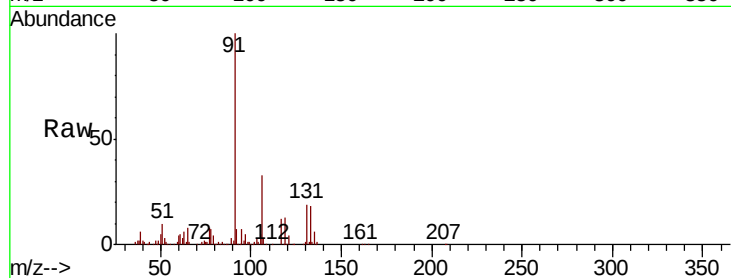
106 33.3 25.5 38.3

Manual Integrations

APPROVED

apatel

11/27/2019 5:14:04 PM



#68

m/p-Xylenes

Concen: 41.028 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD064378.D

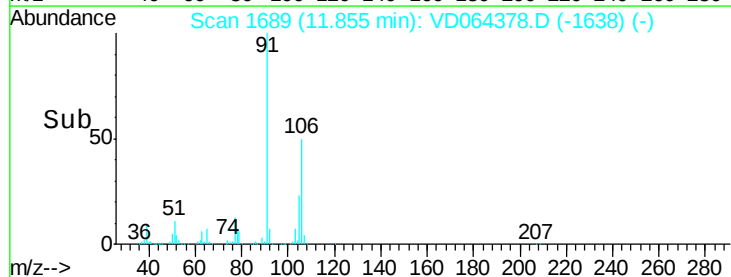
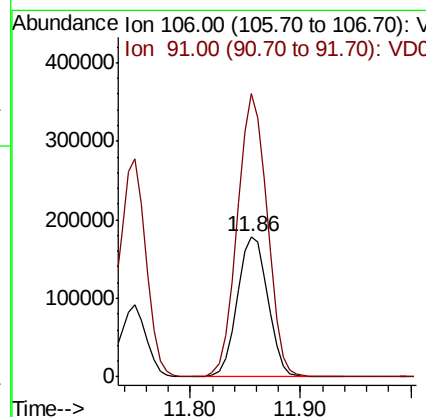
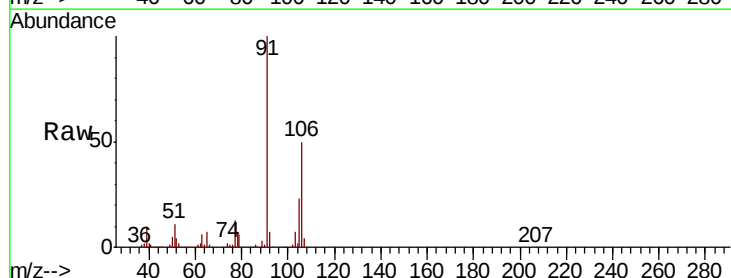
Acq: 26 Nov 2019 12:24

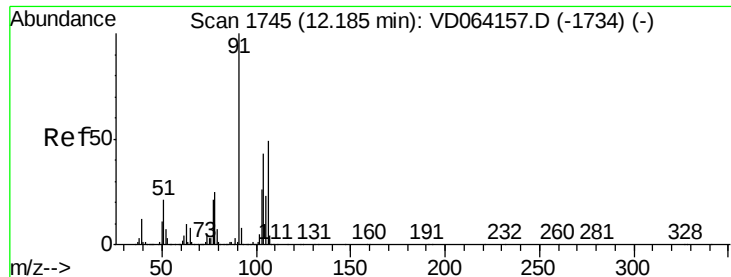
Tgt Ion: 106 Resp: 347502

Ion Ratio Lower Upper

106 100

91 198.1 160.3 240.5





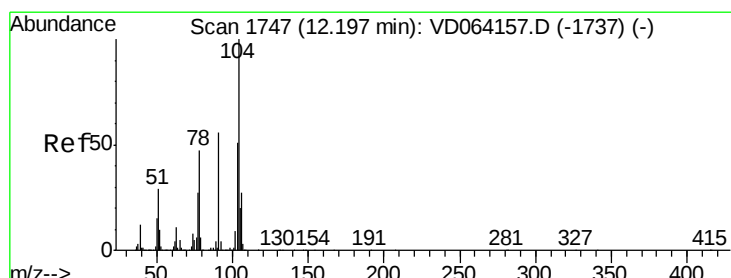
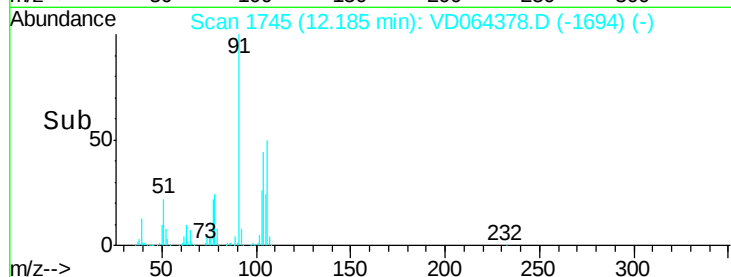
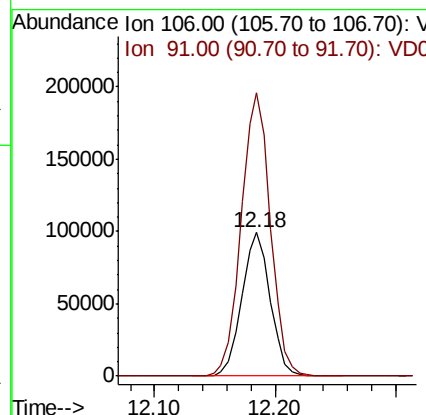
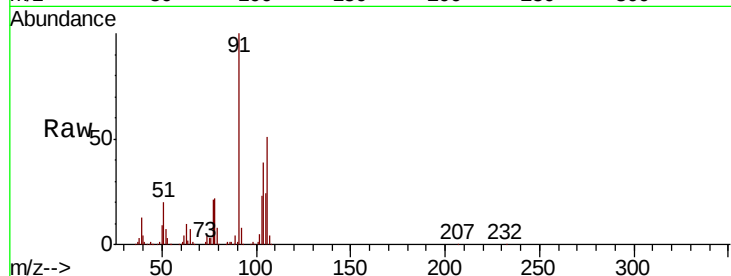
#69
o-Xylene
Concen: 20.609 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD064378.D
Acq: 26 Nov 2019 12:24

Instrument :
MSVOA_D
ClientSampleId :
VD1126SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
106	100	161886		
91	203.3	105.1	315.3	

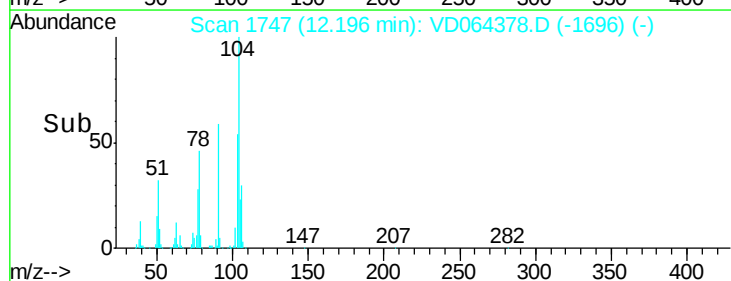
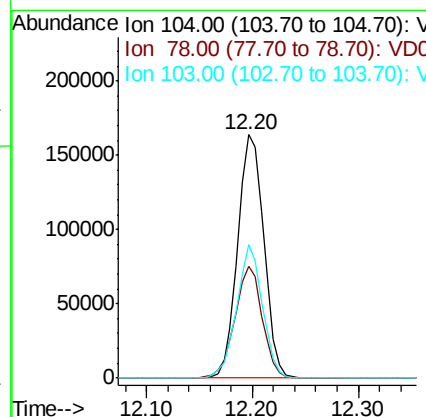
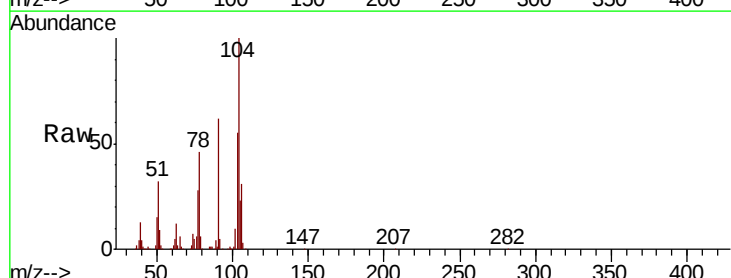
Manual Integrations
APPROVED

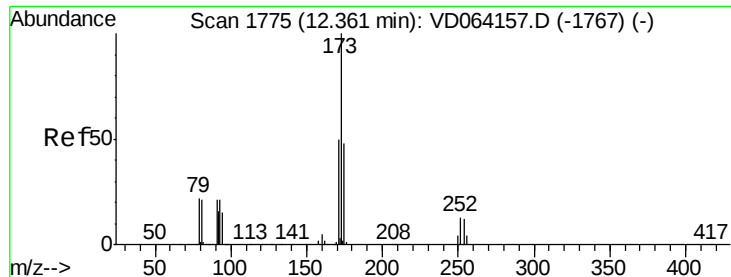
apatel
11/27/2019 5:14:04 PM



#70
Styrene
Concen: 20.394 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD064378.D
Acq: 26 Nov 2019 12:24

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	279648		
78	47.9	39.9	59.9	
103	54.1	43.4	65.0	





#71

Bromoform

Concen: 20.240 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064378.D

Acq: 26 Nov 2019 12:24

Instrument :

MSVOA_D

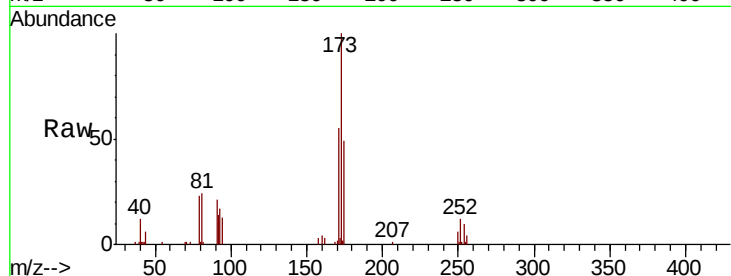
ClientSampleId :

VD1126SBSD01

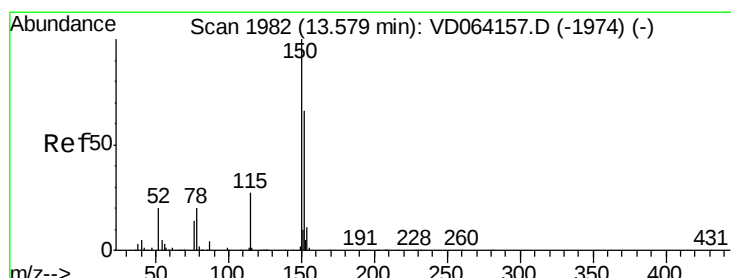
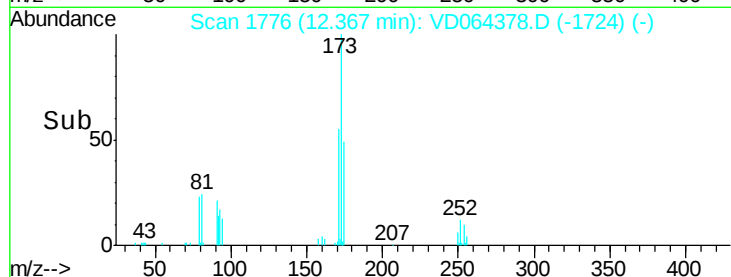
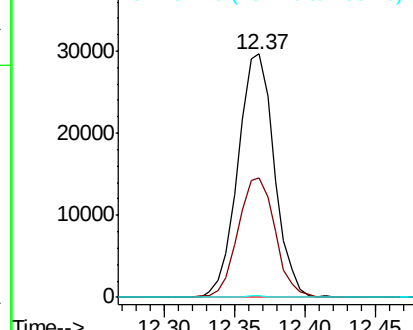
Tot Ion:	173	Resp:	53506
Ion Ratio	Lower	Upper	
173	100		
175	50.1	24.1	72.3
254	0.3	0.2	0.2#

Manual Integrations
APPROVED

apatel
11/27/2019 5:14:04 PM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

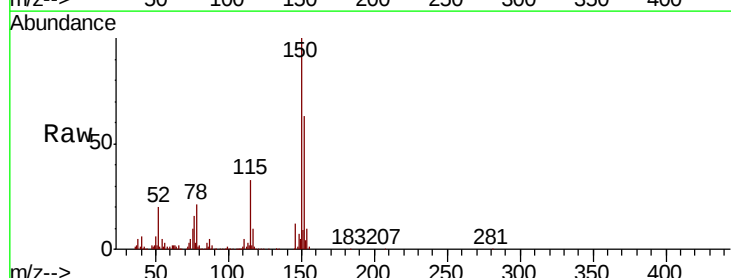
RT: 13.58 min Scan# 1983

Delta R.T. 0.01 min

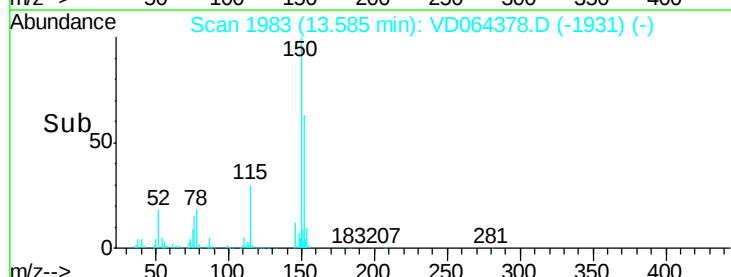
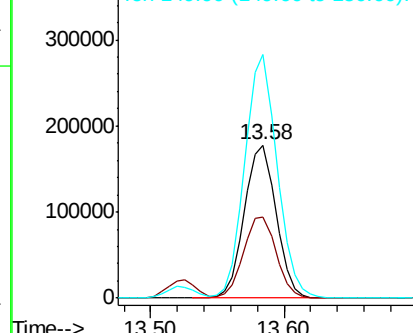
Lab File: VD064378.D

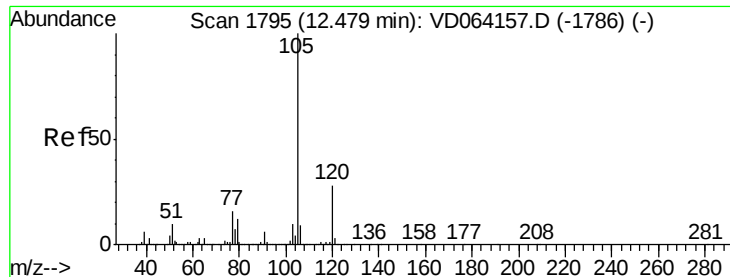
Acq: 26 Nov 2019 12:24

Tgt Ion:	152	Resp:	291904
Ion Ratio	Lower	Upper	
152	100		
115	54.4	27.4	82.2
150	162.3	0.0	351.6



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





#73

Isopropylbenzene

Concen: 20.646 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD064378.D

Acq: 26 Nov 2019 12:24

Instrument :

MSVOA_D

ClientSampleId :

VD1126SBS01

Tot Ion: 105 Resp: 442350

Ion Ratio Lower Upper

105 100

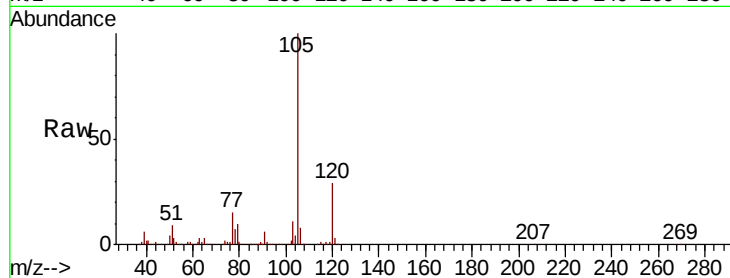
120 27.8 13.6 40.8

Manual Integrations

APPROVED

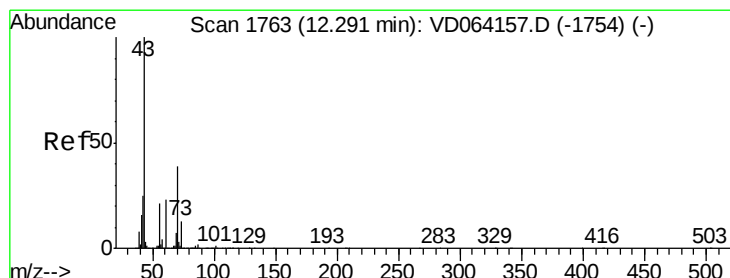
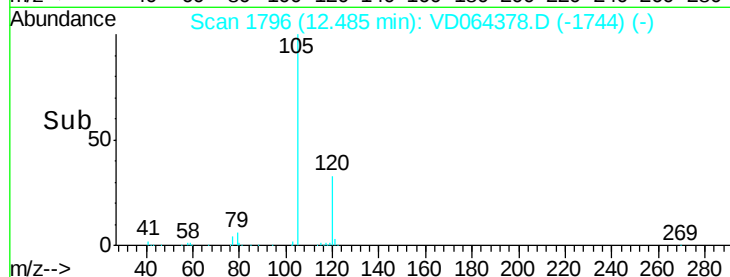
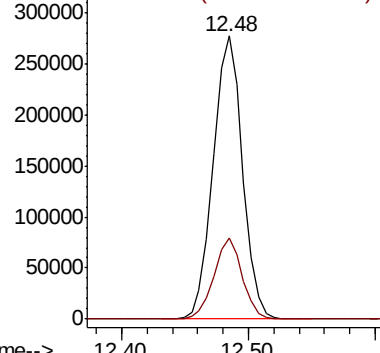
apatel

11/27/2019 5:14:04 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.699 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD064378.D

Acq: 26 Nov 2019 12:24

Tgt Ion: 43 Resp: 94610

Ion Ratio Lower Upper

43 100

70 44.1 32.4 48.6

55 24.1 17.9 26.9

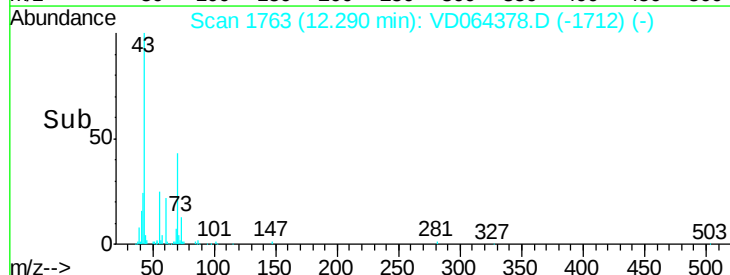
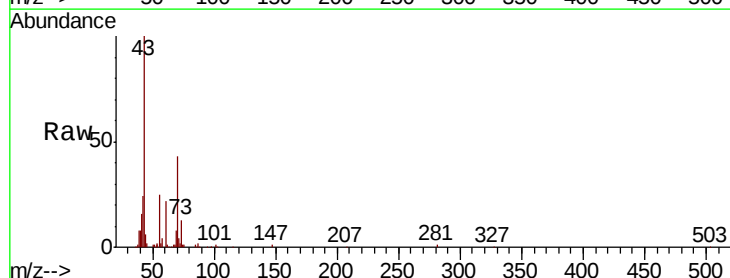
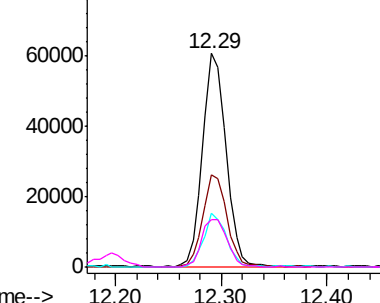
61 23.8 19.0 28.4

Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 21.927 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD064378.D

Acq: 26 Nov 2019 12:24

Instrument :

MSVOA_D

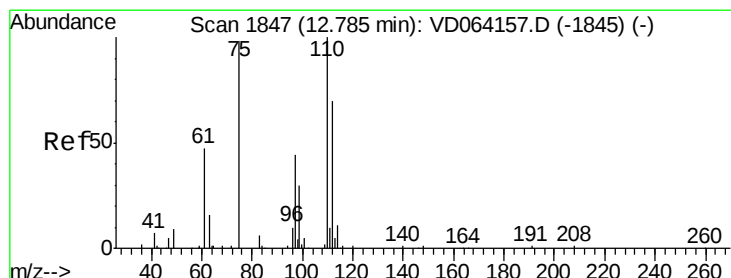
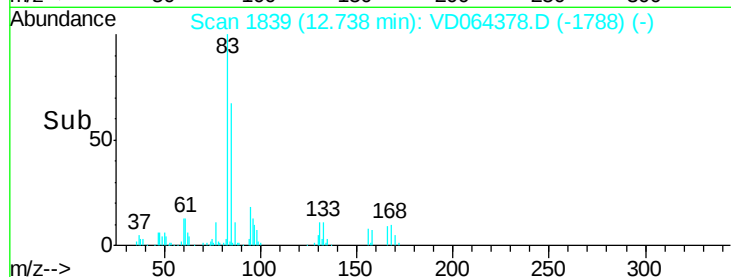
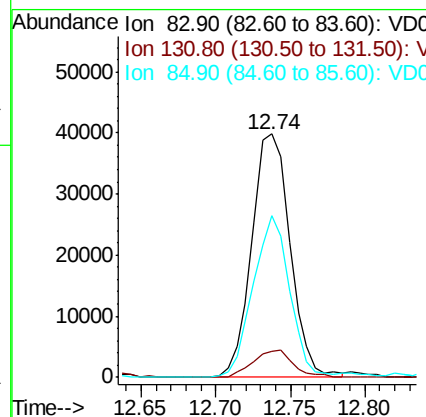
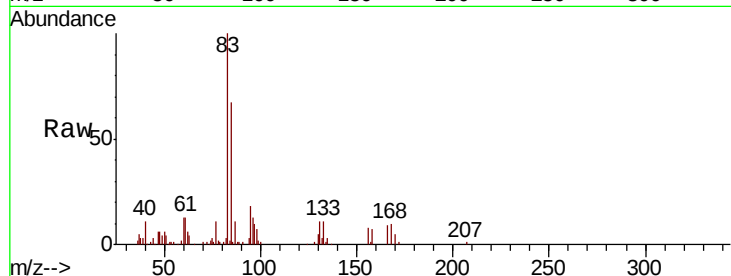
ClientSampleId :

VD1126SBSD01

Tot Ion:	83	Resp:	70790
Ion	Ratio	Lower	Upper
83	100		
131	11.6	5.9	17.7
85	63.2	32.5	97.5

Manual Integrations
APPROVED

apatel
11/27/2019 5:14:04 PM



#76

1,2,3-Trichloropropane

Concen: 14.672 ug/l m

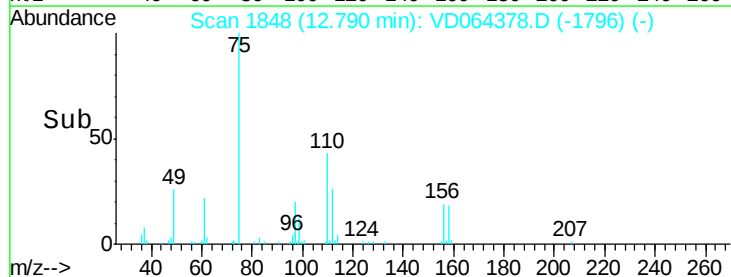
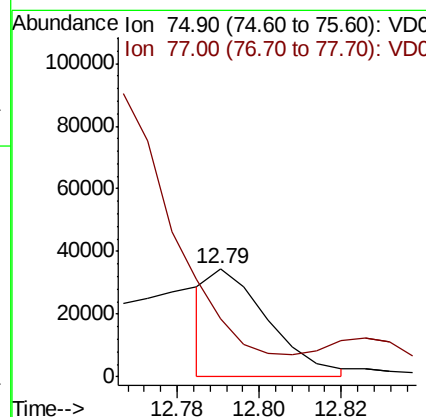
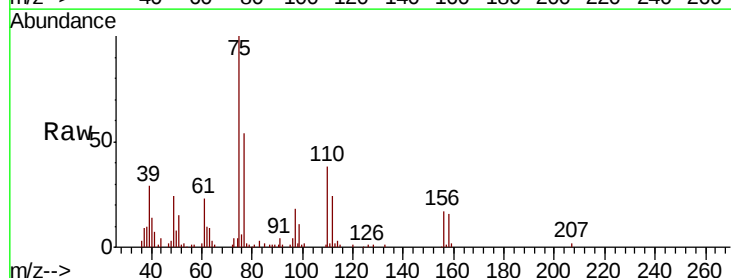
RT: 12.79 min Scan# 1848

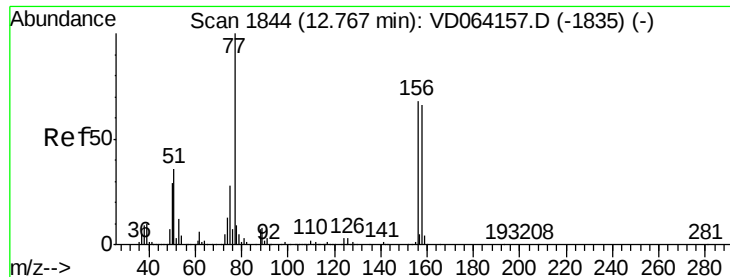
Delta R.T. 0.01 min

Lab File: VD064378.D

Acq: 26 Nov 2019 12:24

Tgt Ion:	75	Resp:	34496
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.345 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD064378.D

Acq: 26 Nov 2019 12:24

Instrument :

MSVOA_D

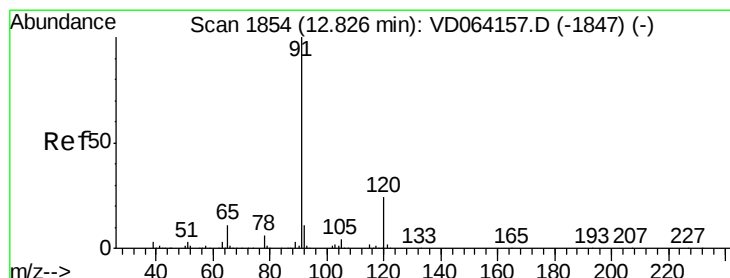
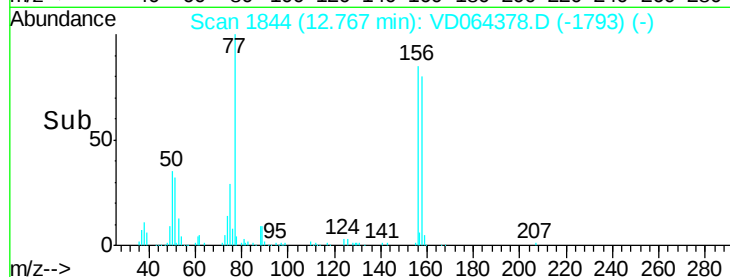
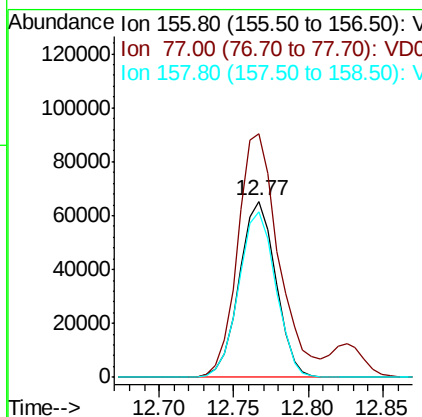
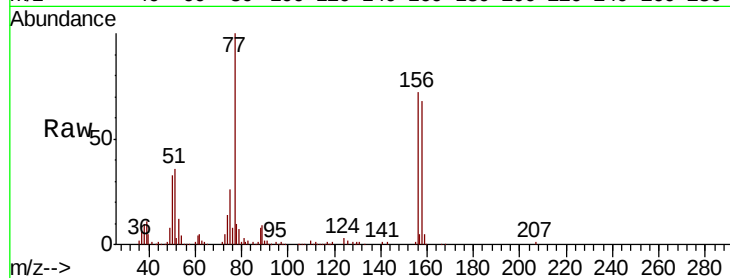
ClientSampleId :

VD1126SBSD01

Tot Ion:	156	Resp:	111108
Ion	Ratio	Lower	Upper
156	100		
77	155.6	81.2	243.4
158	95.2	48.4	145.2

Manual Integrations
APPROVED

apatel
11/27/2019 5:14:04 PM



#78

n-propylbenzene

Concen: 21.082 ug/l

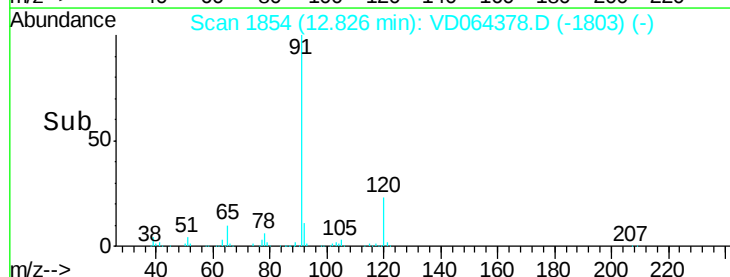
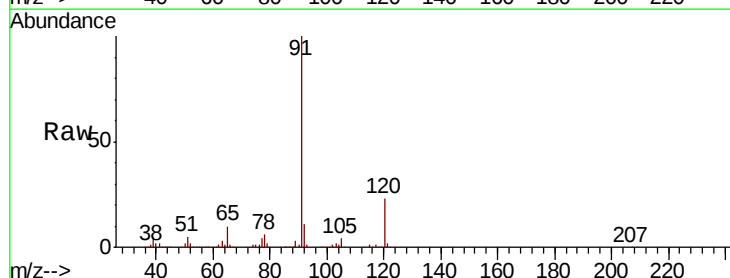
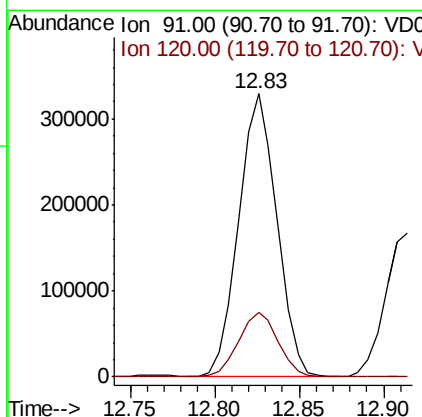
RT: 12.83 min Scan# 1854

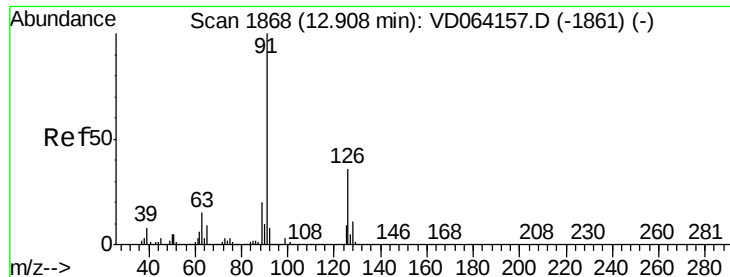
Delta R.T. -0.00 min

Lab File: VD064378.D

Acq: 26 Nov 2019 12:24

Tgt Ion:	91	Resp:	516079
Ion	Ratio	Lower	Upper
91	100		
120	23.6	11.8	35.4





#79

2-Chlorotoluene

Concen: 20.332 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.01 min

Lab File: VD064378.D

Acq: 26 Nov 2019 12:24

Instrument :

MSVOA_D

ClientSampleId :

VD1126SBSD01

Tot Ion: 91 Resp: 280993

Ion Ratio Lower Upper

91 100

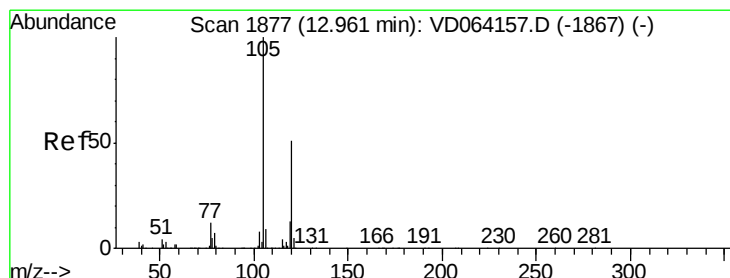
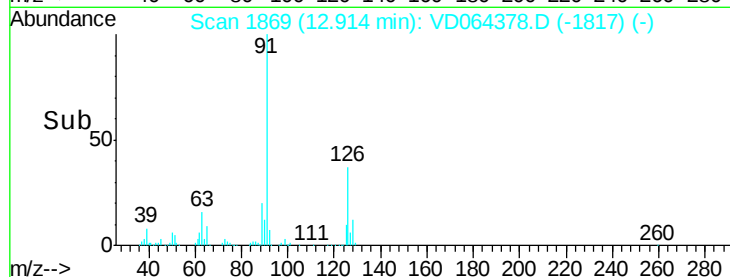
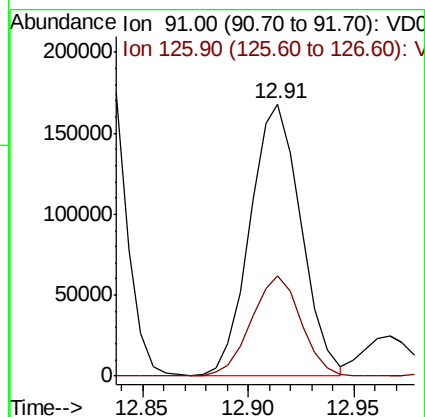
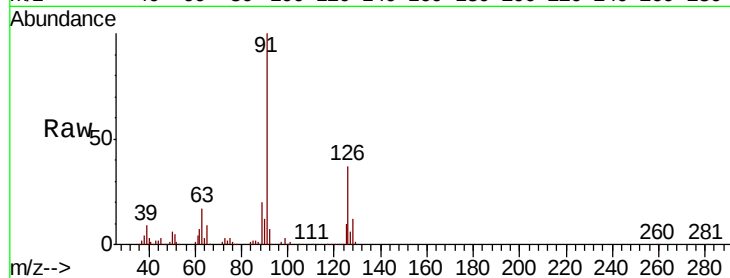
126 36.0 17.7 53.1

Manual Integrations

APPROVED

apatel

11/27/2019 5:14:04 PM



#80

1,3,5-Trimethylbenzene

Concen: 20.644 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.01 min

Lab File: VD064378.D

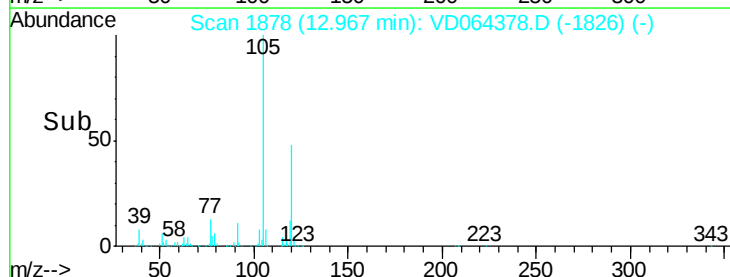
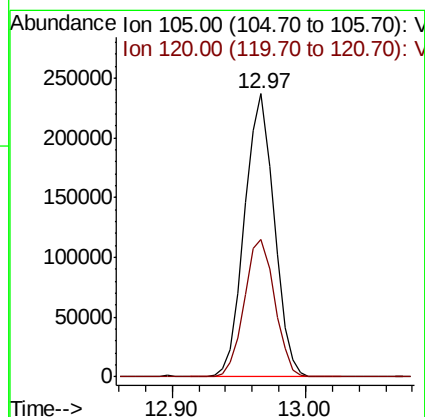
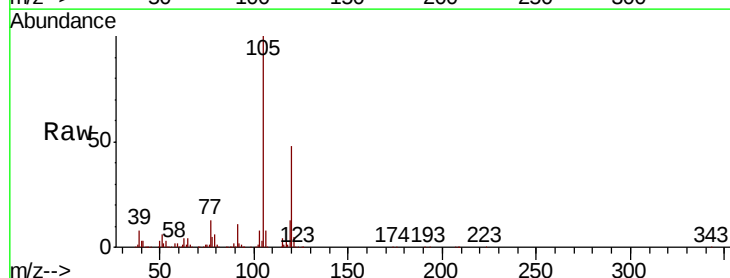
Acq: 26 Nov 2019 12:24

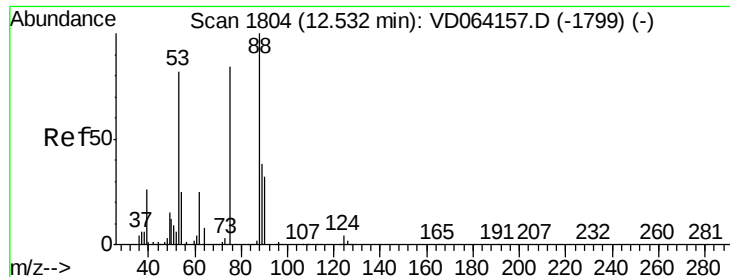
Tgt Ion: 105 Resp: 363454

Ion Ratio Lower Upper

105 100

120 49.6 25.4 76.4





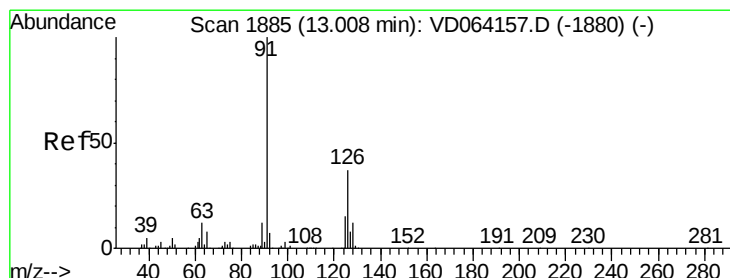
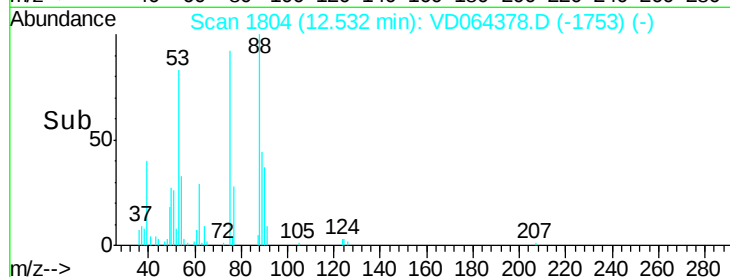
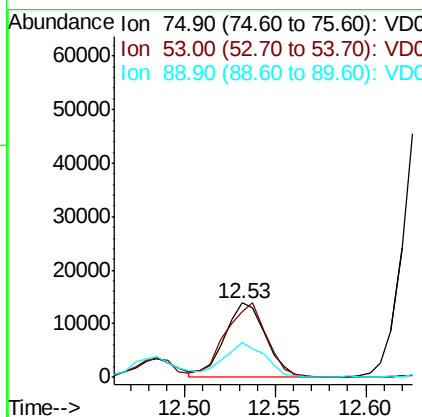
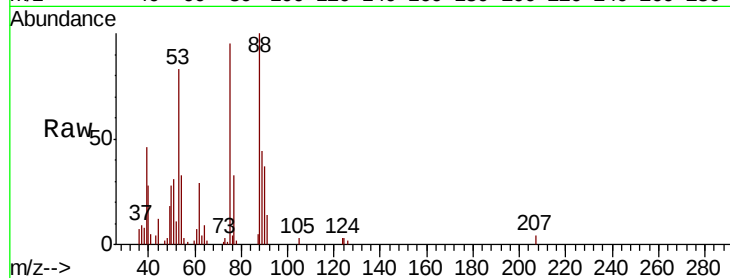
#81
trans-1,4-Dichloro-2-butene
Concen: 18.521 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VD064378.D
Acq: 26 Nov 2019 12:24

Instrument :
MSVOA_D
ClientSampleId :
VD1126SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	101.4	79.4	119.0
89	46.6	36.6	55.0

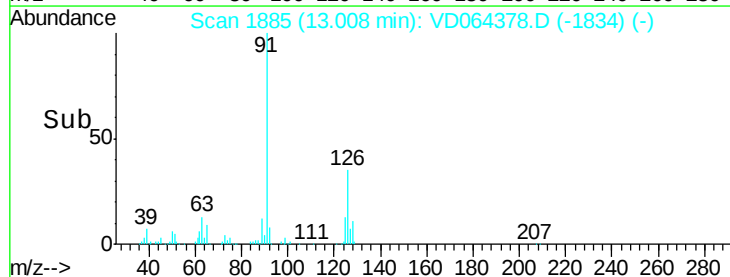
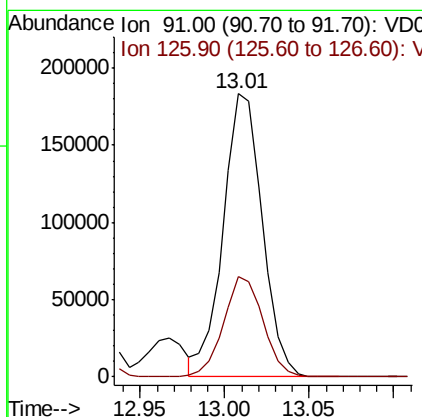
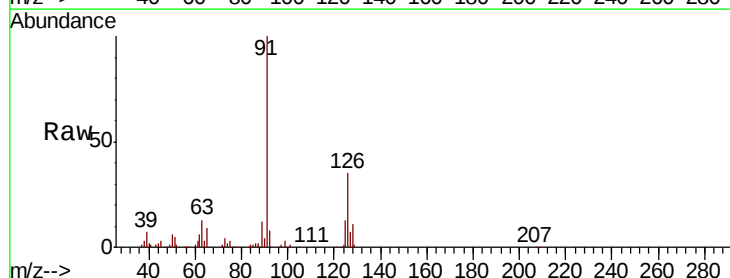
Manual Integrations
APPROVED

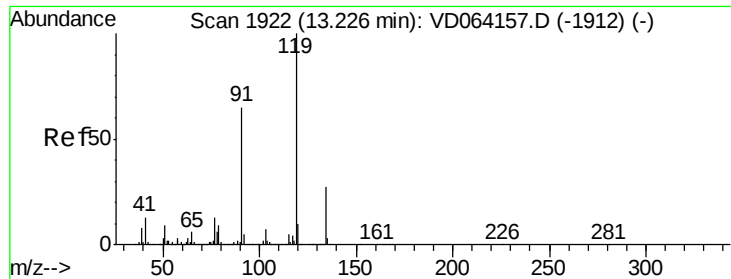
apatel
11/27/2019 5:14:04 PM



#82
4-Chlorotoluene
Concen: 20.510 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VD064378.D
Acq: 26 Nov 2019 12:24

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.8	17.8	53.4





#83

tert-Butylbenzene

Concen: 20.569 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. 0.01 min

Lab File: VD064378.D

Acq: 26 Nov 2019 12:24

Instrument :

MSVOA_D

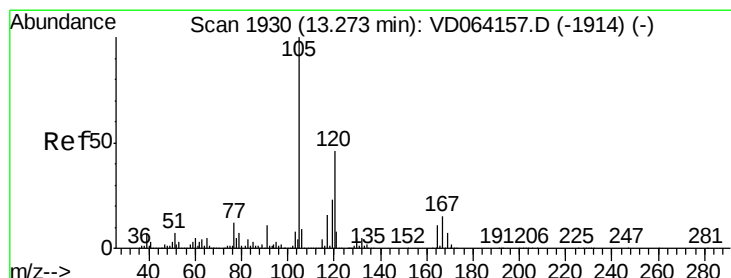
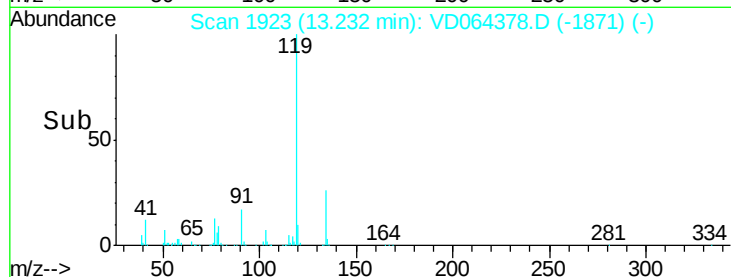
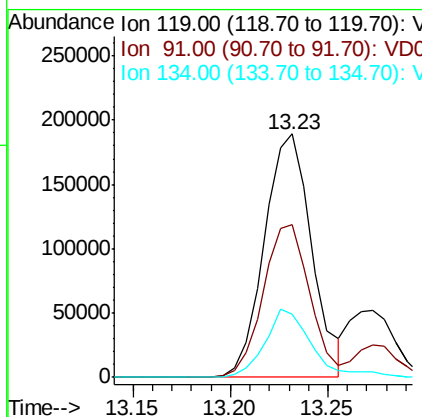
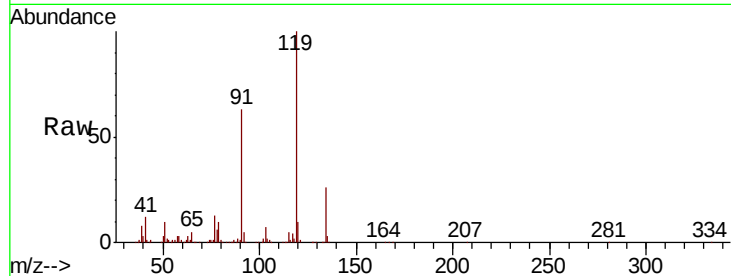
ClientSampleId :

VD1126SBS01

Tot Ion:	119	Resp:	319318
Ion Ratio	Lower	Upper	
119	100		
91	61.6	31.8	95.4
134	27.8	13.7	41.0

Manual Integrations
APPROVED

apatel
11/27/2019 5:14:04 PM



#84

1,2,4-Trimethylbenzene

Concen: 20.584 ug/l

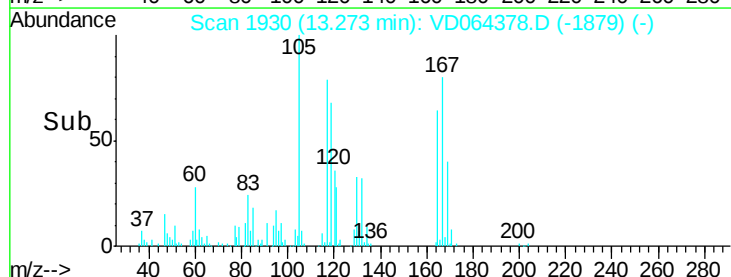
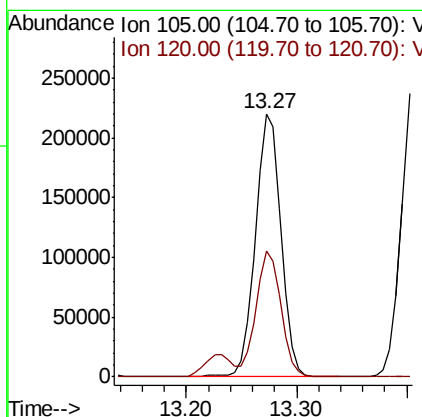
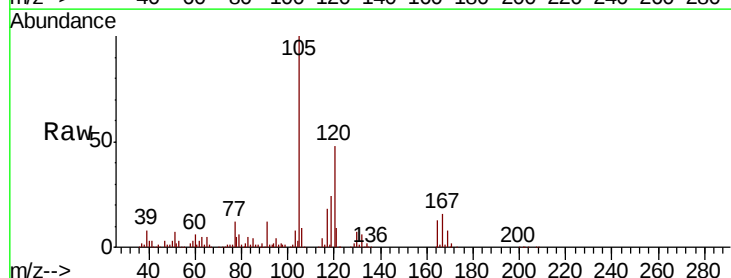
RT: 13.27 min Scan# 1930

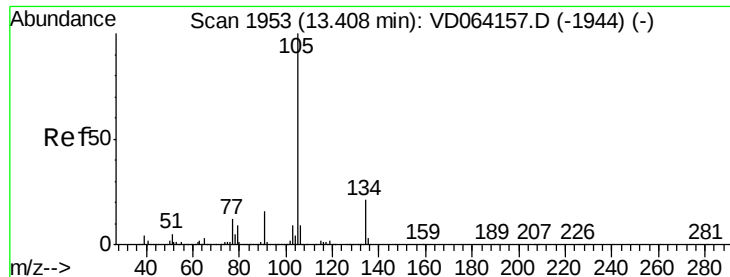
Delta R.T. -0.00 min

Lab File: VD064378.D

Acq: 26 Nov 2019 12:24

Tgt Ion:	105	Resp:	357771
Ion Ratio	Lower	Upper	
105	100		
120	47.3	23.3	69.8





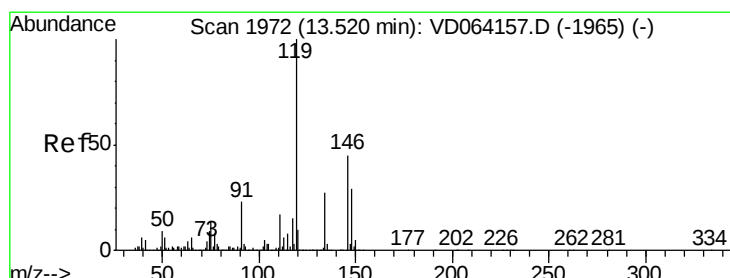
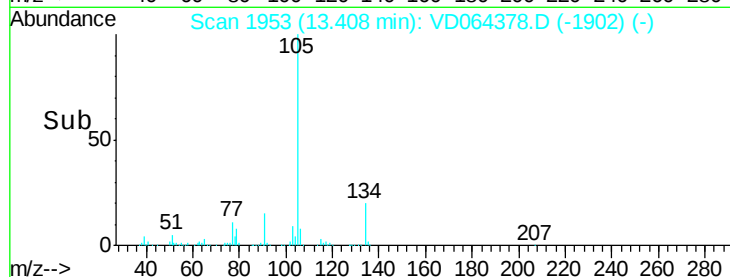
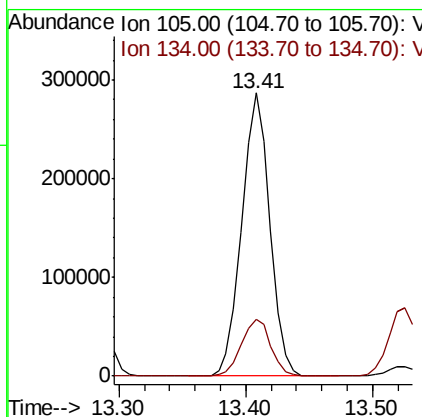
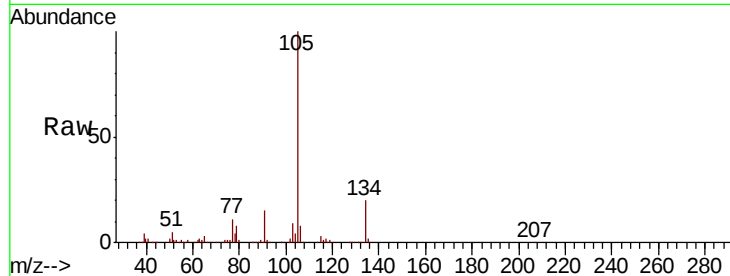
#85
 sec-Butylbenzene
 Concen: 21.068 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.00 min
 Lab File: VD064378.D
 Acq: 26 Nov 2019 12:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1126SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.0	10.7	31.9

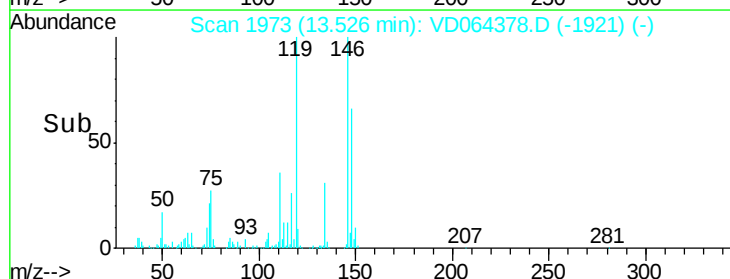
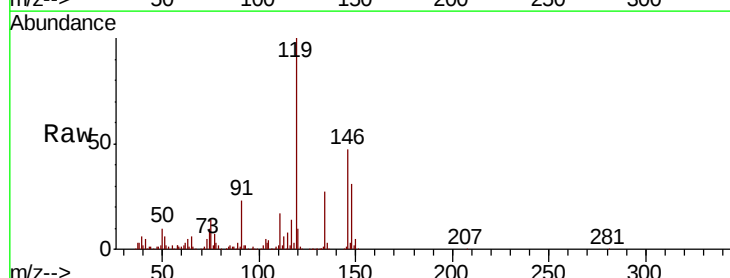
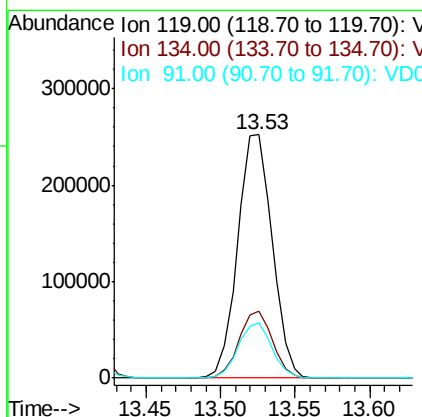
Manual Integrations
 APPROVED

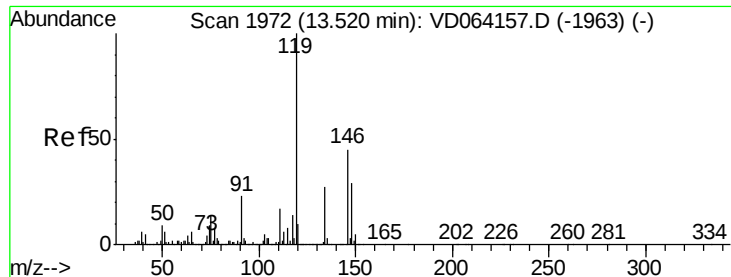
apatel
 11/27/2019 5:14:04 PM



#86
 p-Isopropyltoluene
 Concen: 20.479 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.01 min
 Lab File: VD064378.D
 Acq: 26 Nov 2019 12:24

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.5	13.5	40.5
91	22.2	11.5	34.4





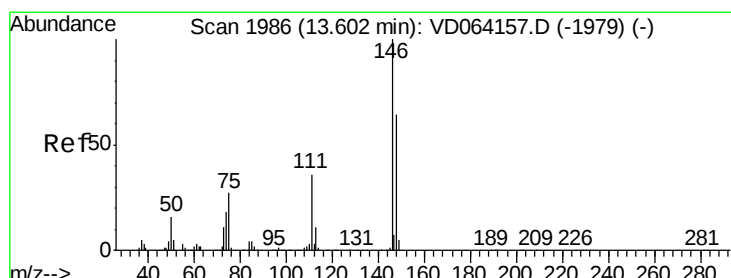
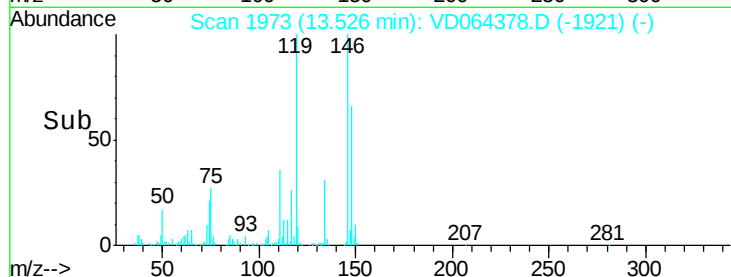
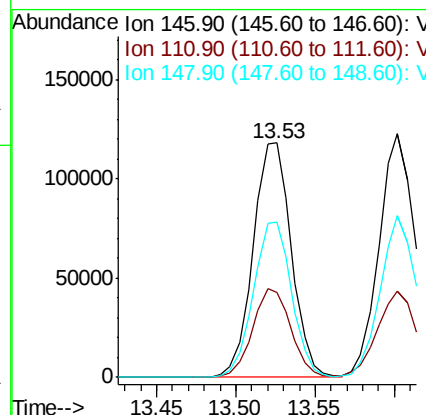
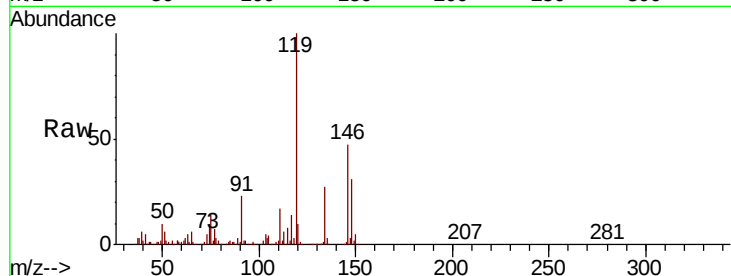
#87
 1,3-Dichlorobenzene
 Concen: 20.514 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.01 min
 Lab File: VD064378.D
 Acq: 26 Nov 2019 12:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1126SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.9	56.9
148	66.0	32.1	96.5

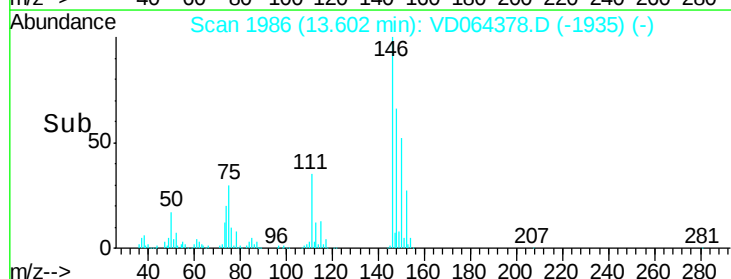
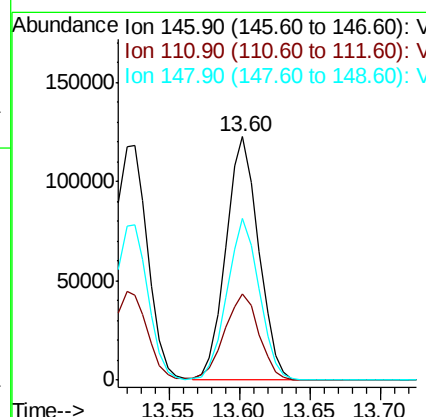
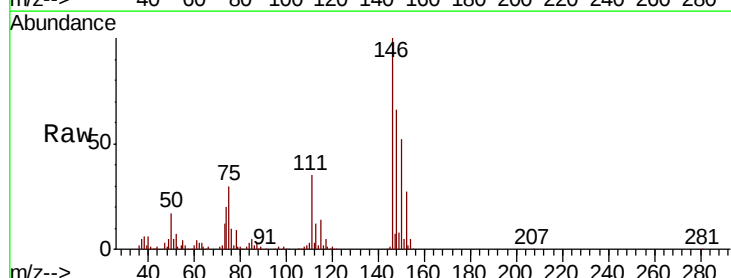
Manual Integrations
 APPROVED

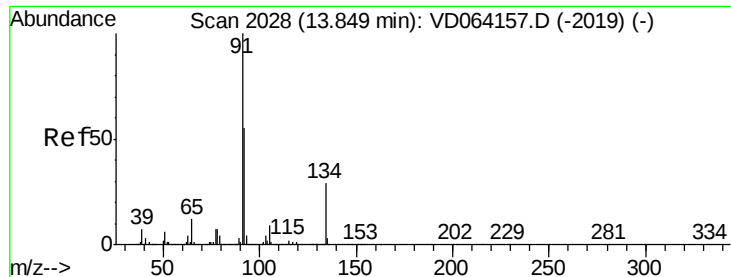
apatel
 11/27/2019 5:14:04 PM



#88
 1,4-Dichlorobenzene
 Concen: 20.959 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD064378.D
 Acq: 26 Nov 2019 12:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.1	54.4
148	65.6	31.9	95.7





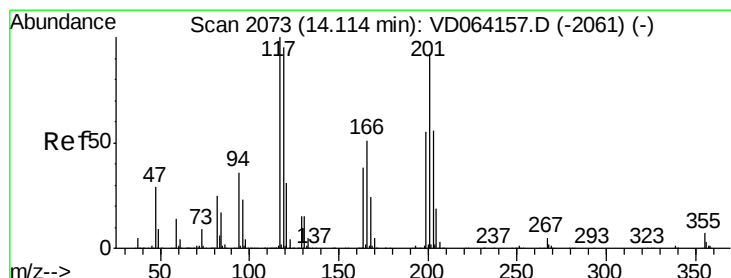
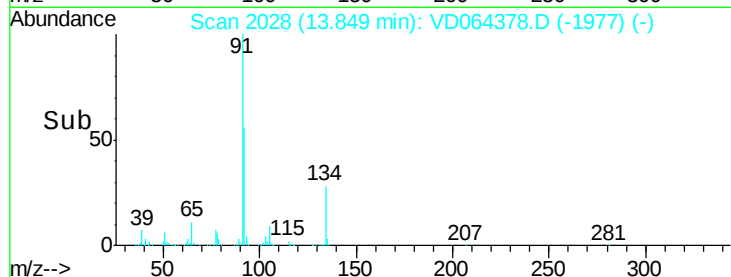
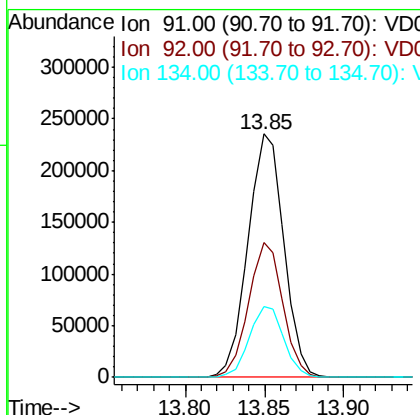
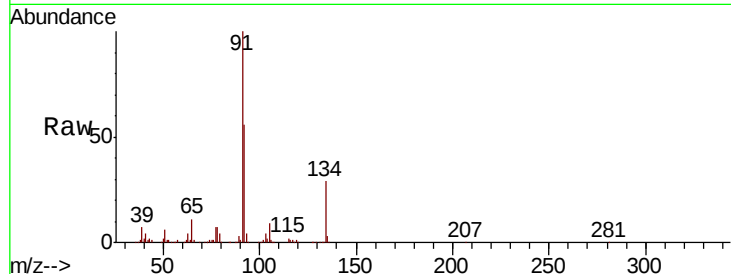
#89
n-Butylbenzene
Concen: 20.699 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD064378.D
Acq: 26 Nov 2019 12:24

Instrument :
MSVOA_D
ClientSampleId :
VD1126SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.1	27.3	81.8
134	28.1	14.1	42.4

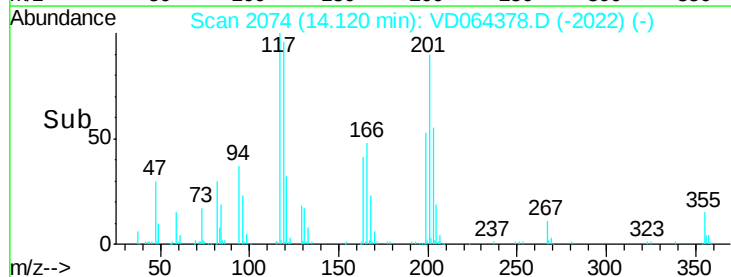
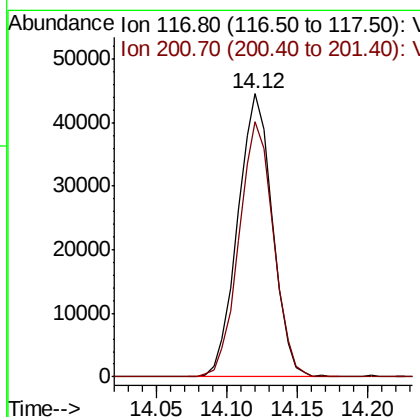
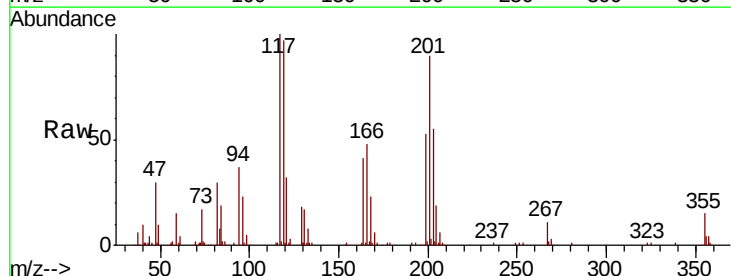
Manual Integrations
APPROVED

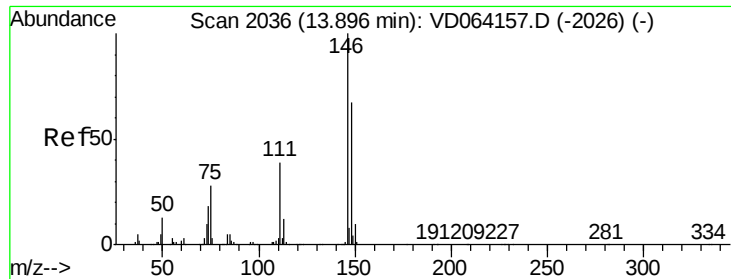
apatel
11/27/2019 5:14:04 PM



#90
Hexachloroethane
Concen: 20.857 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD064378.D
Acq: 26 Nov 2019 12:24

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.5	45.8	137.4





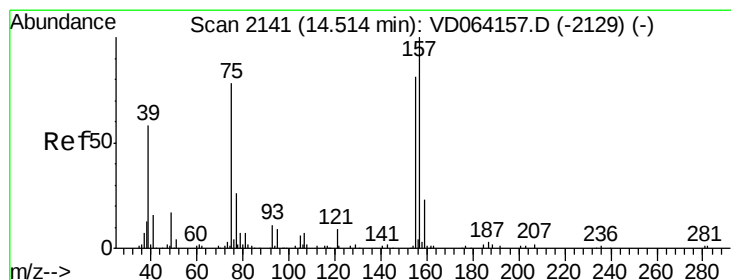
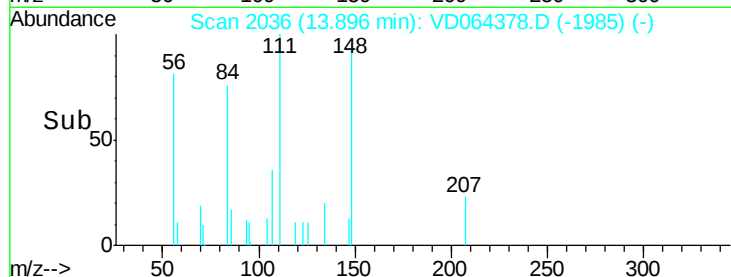
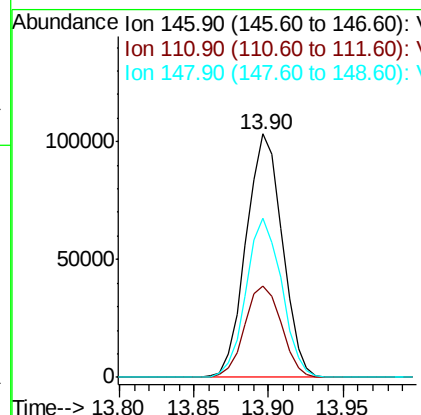
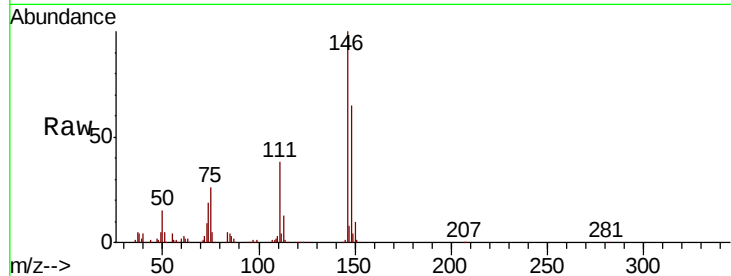
#91
 1,2-Dichlorobenzene
 Concen: 21.177 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD064378.D
 Acq: 26 Nov 2019 12:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1126SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.7	59.0
148	64.5	32.3	96.8

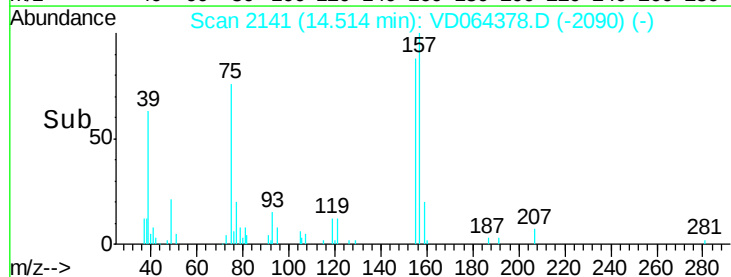
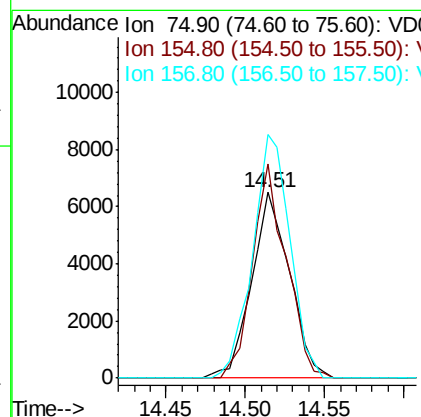
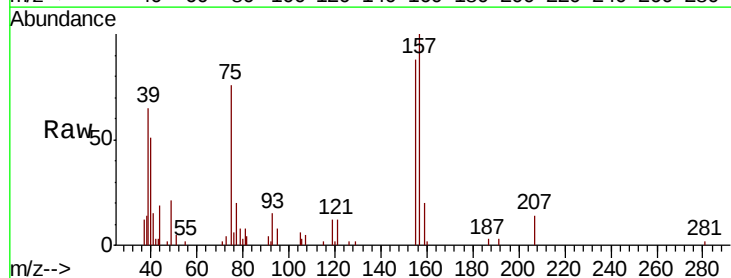
Manual Integrations
 APPROVED

apatel
 11/27/2019 5:14:04 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.793 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VD064378.D
 Acq: 26 Nov 2019 12:24

Tgt Ion	Ratio	Lower	Upper
75	100		
155	102.3	48.0	144.0
157	129.0	61.5	184.4





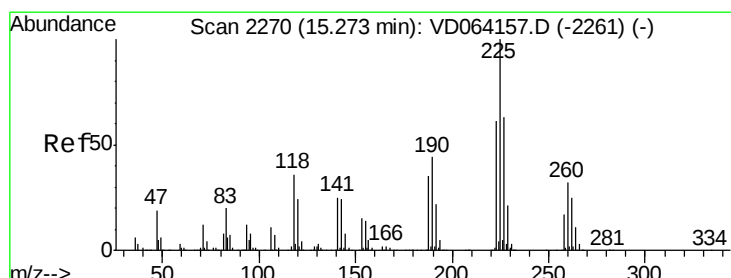
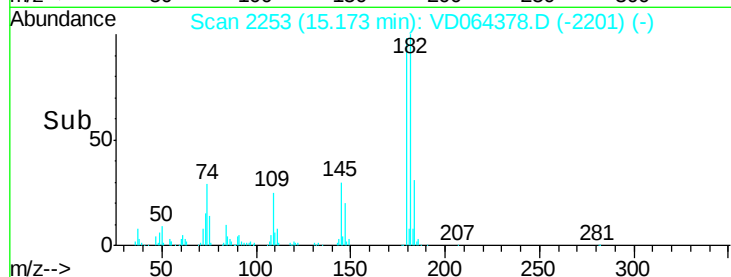
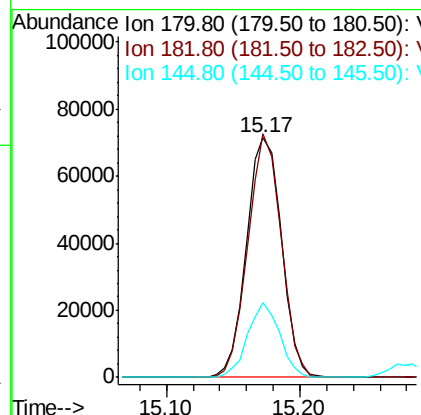
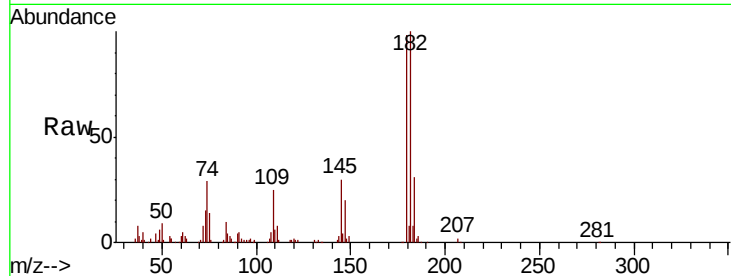
#93
 1,2,4-Trichlorobenzene
 Concen: 20.454 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD064378.D
 Acq: 26 Nov 2019 12:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1126SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.6	47.5	142.5	
145	28.5	14.2	42.6	

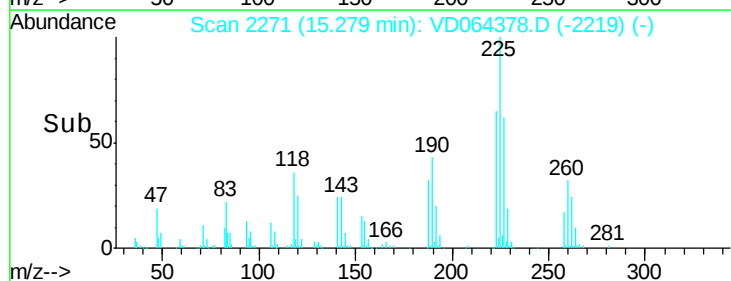
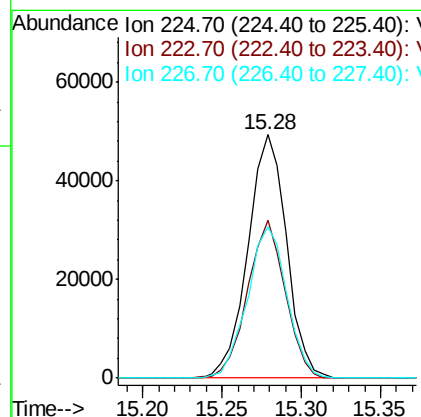
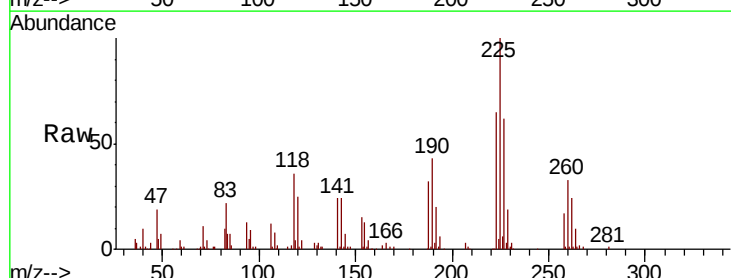
Manual Integrations
 APPROVED

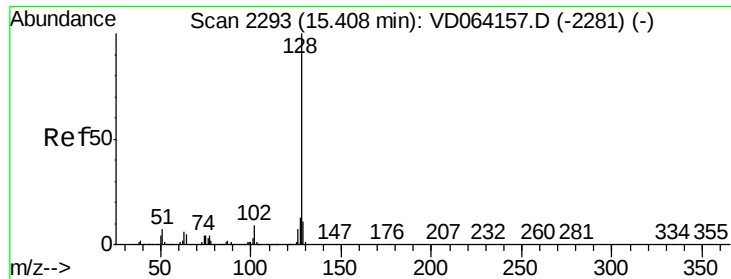
apatel
 11/27/2019 5:14:04 PM



#94
 Hexachlorobutadiene
 Concen: 20.546 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD064378.D
 Acq: 26 Nov 2019 12:24

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.2	31.1	93.3	
227	63.6	31.5	94.5	





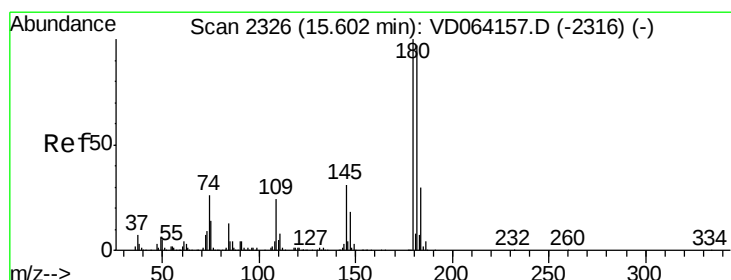
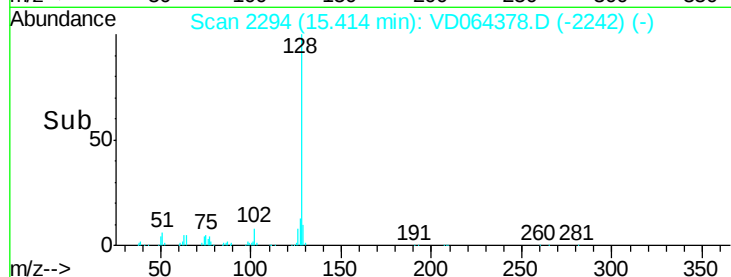
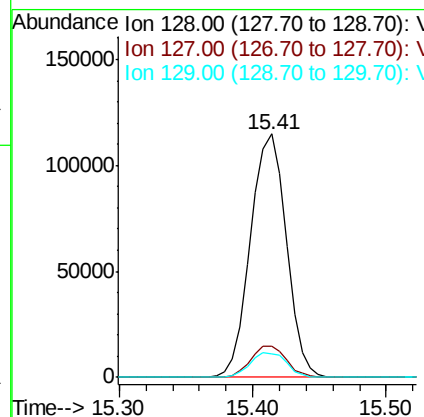
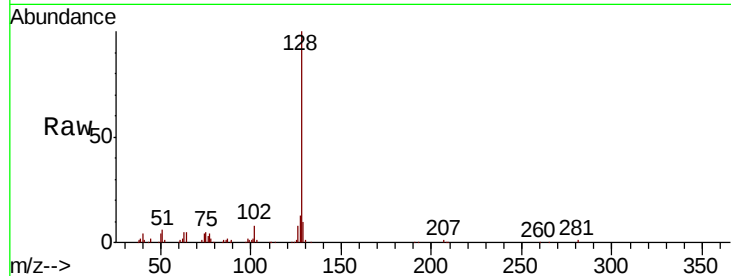
#95
Naphthalene
Concen: 20.677 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.01 min
Lab File: VD064378.D
Acq: 26 Nov 2019 12:24

Instrument :
MSVOA_D
ClientSampleId :
VD1126SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	213837		
127	12.7	10.5	15.7	
129	10.3	8.6	13.0	

Manual Integrations
APPROVED

apatel
11/27/2019 5:14:04 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.846 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VD064378.D
Acq: 26 Nov 2019 12:24

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	111790		
182	91.2	48.3	144.9	
145	29.5	15.3	45.8	

