

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112619\
 Data File : VD064375.D
 Acq On : 26 Nov 2019 10:42
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 11/27/2019 5:13:59 PM

Quant Time: Nov 26 13:15:22 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	533442	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	753253	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	639639	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	314075	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	196509	44.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.58%	
35) Dibromofluoromethane	7.91	113	206085	47.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.32%	
50) Toluene-d8	10.34	98	772176	47.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.68%	
62) 4-Bromofluorobenzene	12.64	95	246524	43.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	177536	40.128	ug/l	94
3) Chloromethane	2.21	50	221184	46.609	ug/l	99
4) Vinyl Chloride	2.35	62	291633	57.468	ug/l	96
5) Bromomethane	2.77	94	202408	63.164	ug/l	97
6) Chloroethane	2.92	64	203971	62.902	ug/l	97
7) Trichlorofluoromethane	3.27	101	527099	64.065	ug/l	99
8) Diethyl Ether	3.70	74	106621	47.130	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	239784	50.990	ug/l	99
10) Methyl Iodide	4.29	142	266185	49.603	ug/l	100
11) Tert butyl alcohol	5.25	59	66523	217.091	ug/l	95
12) 1,1-Dichloroethene	4.06	96	219047	48.868	ug/l	96
13) Acrolein	3.93	56	63487	244.904	ug/l	99
14) Allyl chloride	4.71	41	355904	44.907	ug/l	93
15) Acrylonitrile	5.43	53	227588	235.980	ug/l	99
16) Acetone	4.16	43	282847	272.141	ug/l	99
17) Carbon Disulfide	4.40	76	624035	44.705	ug/l	100
18) Methyl Acetate	4.72	43	128932	44.415	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	498704	46.605	ug/l	97
20) Methylene Chloride	4.96	84	232395	44.265	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	249500	49.130	ug/l	96
22) Diisopropyl ether	6.37	45	693956	47.193	ug/l	99
23) Vinyl Acetate	6.31	43	1942844	237.025	ug/l	99
24) 1,1-Dichloroethane	6.26	63	429286	50.279	ug/l	99
25) 2-Butanone	7.22	43	318808	237.425	ug/l	98
26) 2,2-Dichloropropane	7.21	77	411554	49.152	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	277640	50.980	ug/l	94
28) Bromochloromethane	7.55	49	153721	51.714	ug/l	100
29) Tetrahydrofuran	7.57	42	181013	224.369	ug/l	99
30) Chloroform	7.71	83	446234	51.095	ug/l	99
31) Cyclohexane	7.98	56	394483	45.813	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	424037	50.707	ug/l	100
36) 1,1-Dichloropropene	8.11	75	353857	50.901	ug/l	99
37) Ethyl Acetate	7.30	43	127849	43.623	ug/l	98
38) Carbon Tetrachloride	8.10	117	389452	52.355	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112619\
 Data File : VD064375.D
 Acq On : 26 Nov 2019 10:42
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 11/27/2019 5:13:59 PM

Quant Time: Nov 26 13:15:22 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	437933	49.784	ug/l	98
40) Benzene	8.35	78	966916	50.891	ug/l	98
41) Methacrylonitrile	7.53	41	83629	45.400	ug/l	95
42) 1,2-Dichloroethane	8.43	62	269235	47.182	ug/l	99
43) Isopropyl Acetate	8.46	43	263851	43.695	ug/l	98
44) Trichloroethene	9.11	130	295427	51.807	ug/l	100
45) 1,2-Dichloropropane	9.38	63	231203	49.996	ug/l	97
46) Dibromomethane	9.47	93	123148	49.742	ug/l	99
47) Bromodichloromethane	9.66	83	336846	50.512	ug/l	99
48) Methyl methacrylate	9.46	41	122368	41.443	ug/l	95
49) 1,4-Dioxane	9.47	88	28601	961.913	ug/l	93
51) 4-Methyl-2-Pentanone	10.23	43	645831	223.028	ug/l	99
52) Toluene	10.40	92	623717	49.924	ug/l	97
53) t-1,3-Dichloropropene	10.62	75	317949	47.590	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	375546	48.171	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	168858	50.278	ug/l	96
56) Ethyl methacrylate	10.66	69	210934	44.897	ug/l	94
57) 1,3-Dichloropropane	10.95	76	290516	49.599	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	440962	231.709	ug/l	100
59) 2-Hexanone	10.98	43	480940	233.448	ug/l	98
60) Dibromochloromethane	11.14	129	232783	49.672	ug/l	100
61) 1,2-Dibromoethane	11.25	107	163094	48.484	ug/l	100
64) Tetrachloroethene	10.88	164	251037	51.030	ug/l	97
65) Chlorobenzene	11.67	112	664852	51.115	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	252876	51.129	ug/l	98
67) Ethyl Benzene	11.75	91	1215250	51.652	ug/l	99
68) m/p-Xylenes	11.86	106	935885	103.778	ug/l	99
69) o-Xylene	12.18	106	423713	50.660	ug/l	99
70) Styrene	12.20	104	749748	51.354	ug/l	98
71) Bromoform	12.37	173	138939	49.362	ug/l #	99
73) Isopropylbenzene	12.48	105	1197141	51.930	ug/l	100
74) N-amyl acetate	12.29	43	235394	43.240	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	174640	50.275	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	105773m	41.811	ug/l	
77) Bromobenzene	12.77	156	282475	50.437	ug/l	98
78) n-propylbenzene	12.83	91	1386913	52.658	ug/l	100
79) 2-Chlorotoluene	12.91	91	736897	49.556	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	961361	50.751	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	57380	45.055	ug/l	98
82) 4-Chlorotoluene	13.01	91	783654	50.526	ug/l	100
83) tert-Butylbenzene	13.23	119	860428	51.513	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	956268	51.134	ug/l	99
85) sec-Butylbenzene	13.41	105	1181953	52.686	ug/l	99
86) p-Isopropyltoluene	13.53	119	1117233	52.384	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	540185	51.959	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	527535	51.991	ug/l	99
89) n-Butylbenzene	13.85	91	1025574	53.225	ug/l	99
90) Hexachloroethane	14.12	117	206591	52.413	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	448346	50.952	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	27616	44.465	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112619\
Data File : VD064375.D
Acq On : 26 Nov 2019 10:42
Operator : VA/SY
Sample : VSTDCCC050
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

apatel
11/27/2019 5:13:59 PM

Quant Time: Nov 26 13:15:22 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	15.18	180	352291	51.899	ug/l	99
94) Hexachlorobutadiene	15.28	225	232883	53.116	ug/l	99
95) Naphthalene	15.41	128	535019	48.082	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	291927	50.594	ug/l	98

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

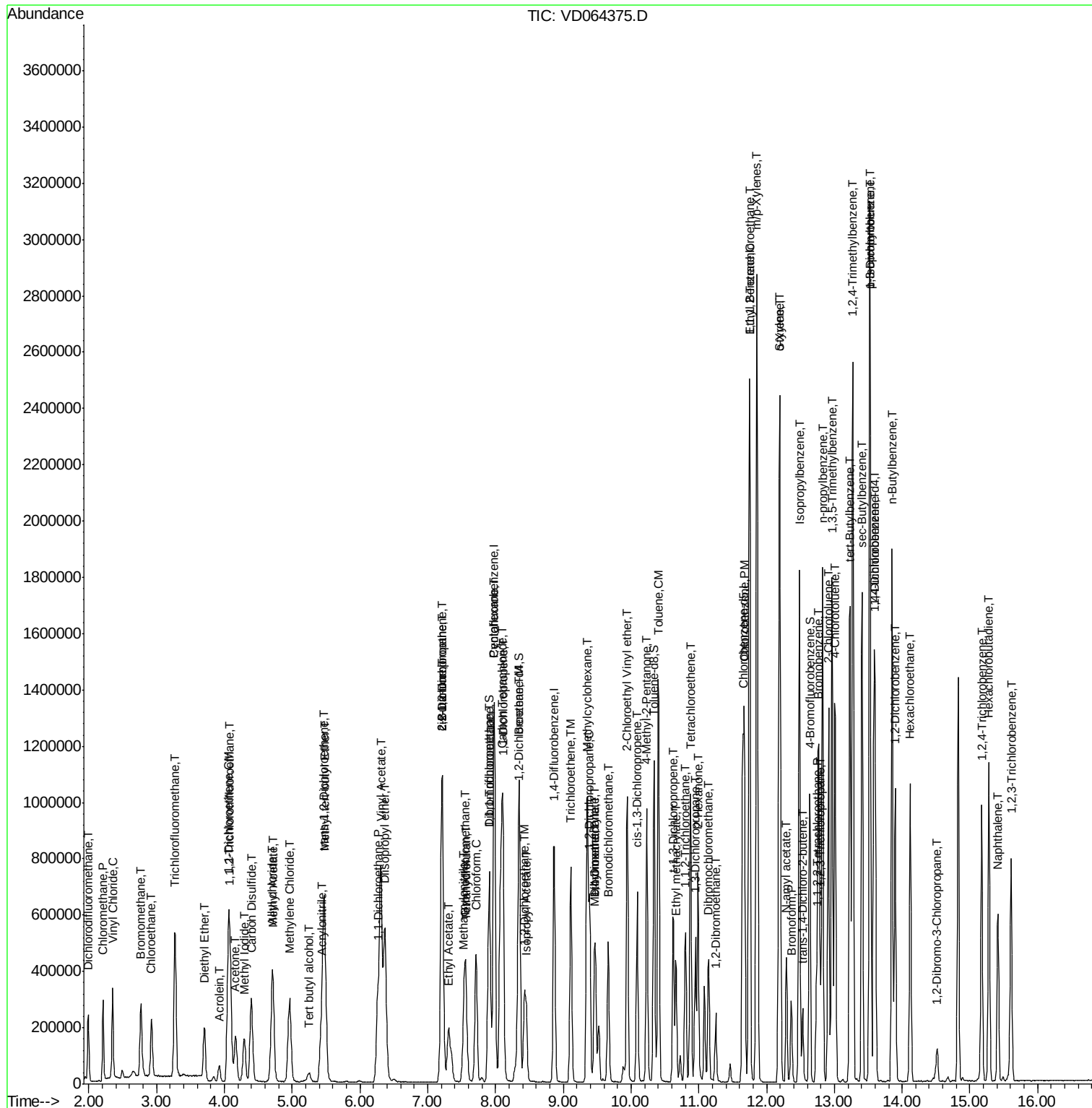
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD112619\
 Data File : VD064375.D
 Acq On : 26 Nov 2019 10:42
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

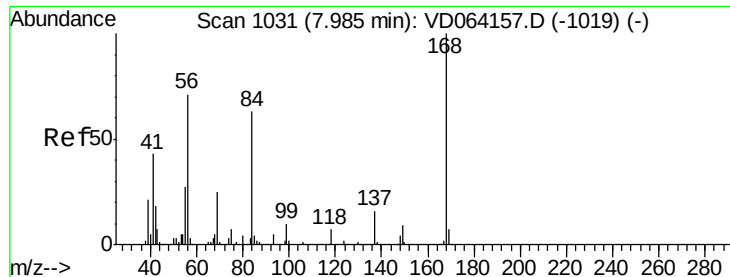
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 11/27/2019 5:13:59 PM

Quant Time: Nov 26 13:15:22 2019
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 12 02:43:24 2019
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064375.D

Acq: 26 Nov 2019 10:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 533442

Ion Ratio Lower Upper

168 100

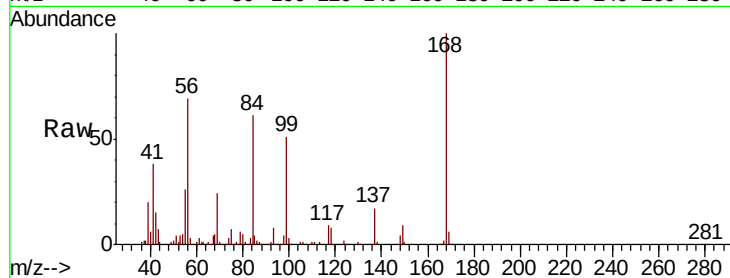
99 50.5 41.6 62.4

Manual Integrations

APPROVED

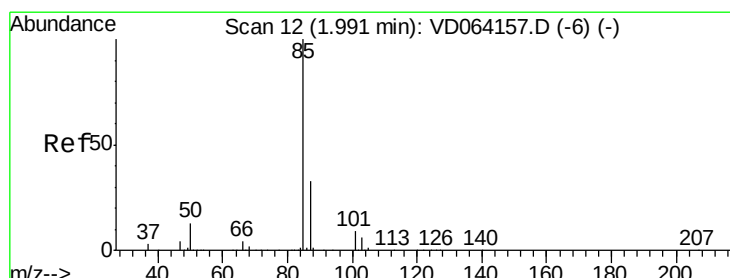
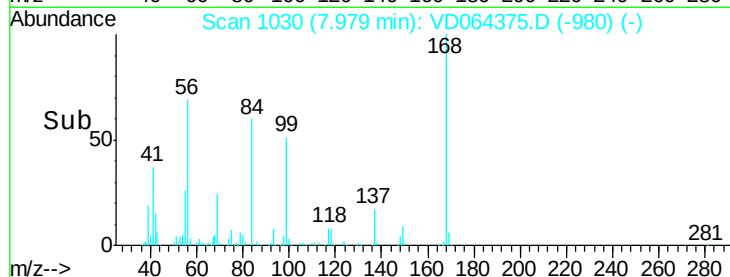
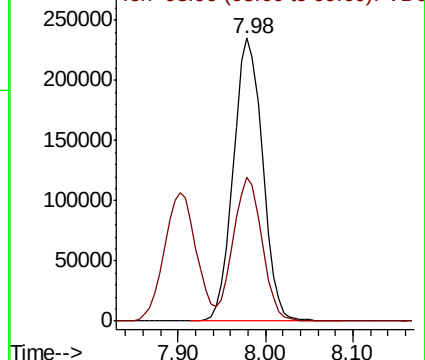
apatel

11/27/2019 5:13:59 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 40.128 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064375.D

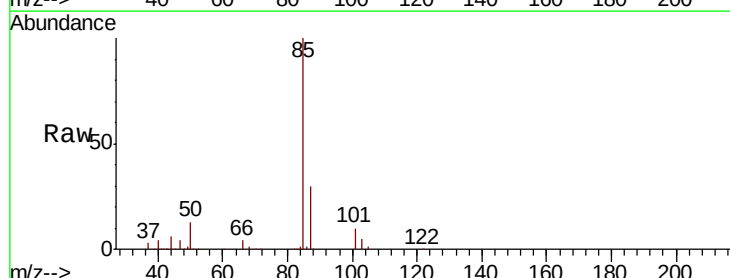
Acq: 26 Nov 2019 10:42

Tgt Ion: 85 Resp: 177536

Ion Ratio Lower Upper

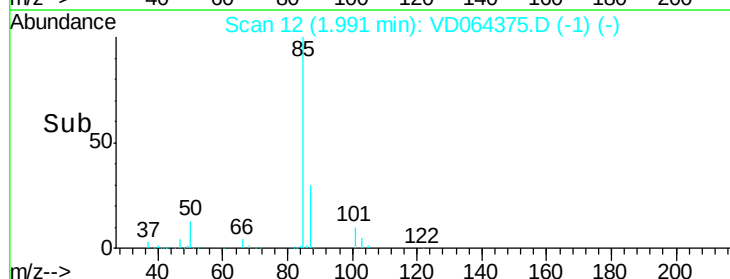
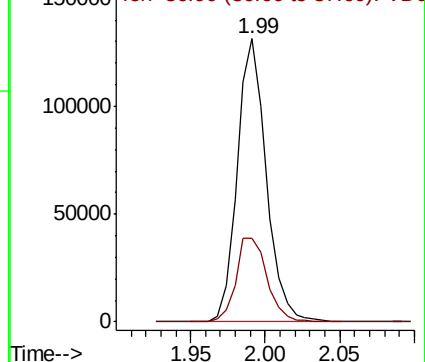
85 100

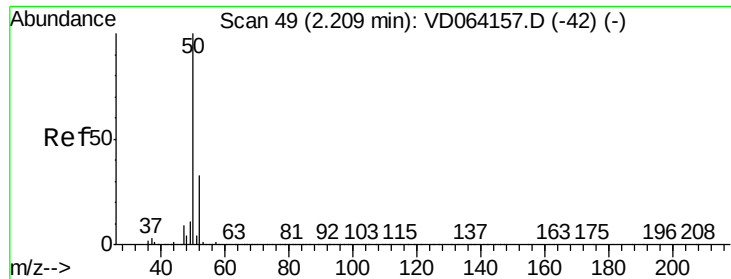
87 29.5 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 46.609 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064375.D

Acq: 26 Nov 2019 10:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 221184

Ion Ratio Lower Upper

50 100

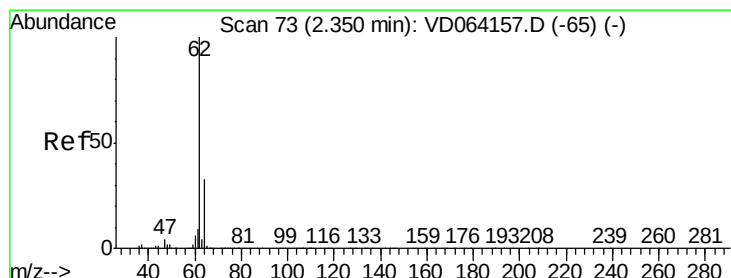
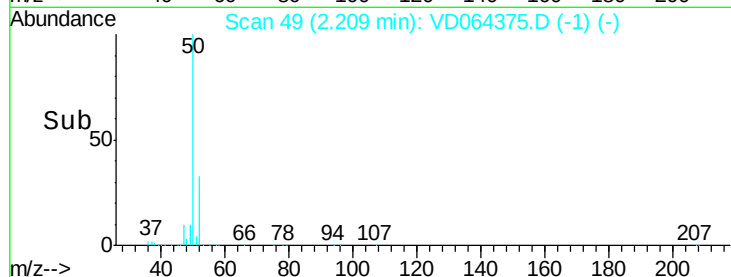
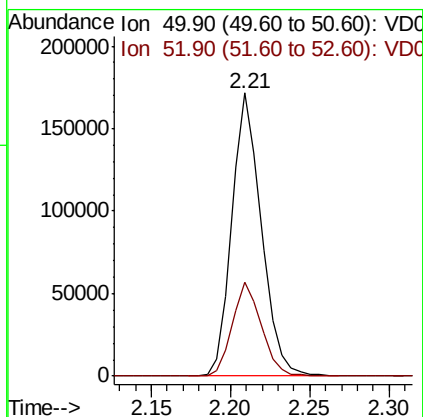
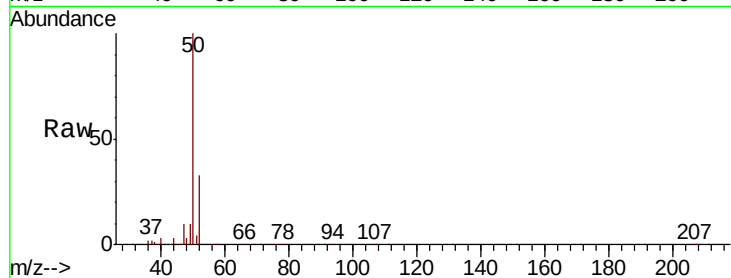
52 33.4 26.2 39.4

Manual Integrations

APPROVED

apatel

11/27/2019 5:13:59 PM



#4

Vinyl Chloride

Concen: 57.468 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064375.D

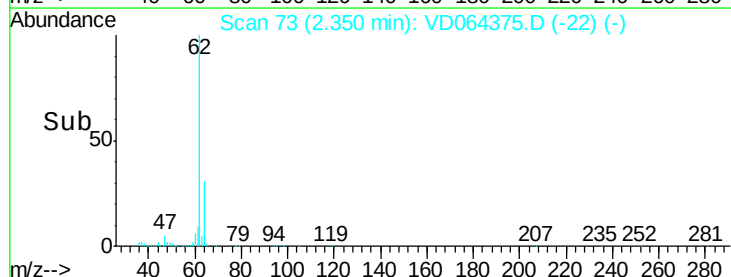
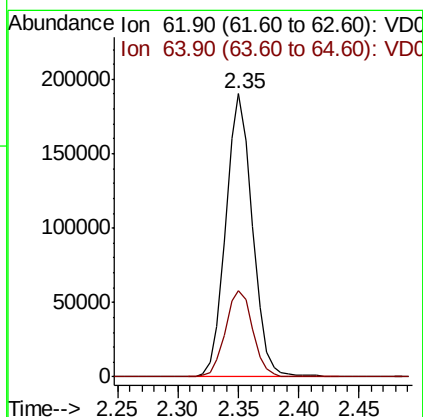
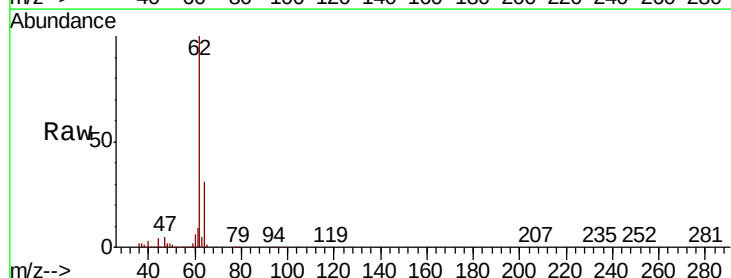
Acq: 26 Nov 2019 10:42

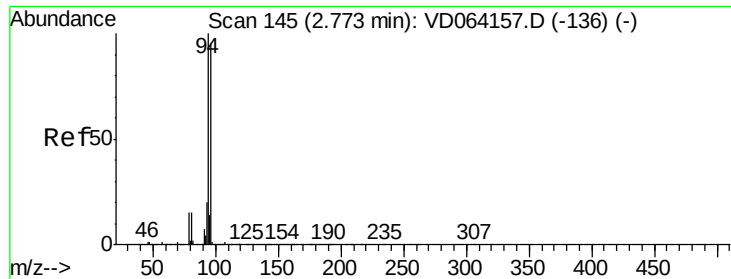
Tgt Ion: 62 Resp: 291633

Ion Ratio Lower Upper

62 100

64 30.6 26.2 39.2





#5

Bromomethane

Concen: 63.164 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD064375.D

Acq: 26 Nov 2019 10:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 202408

Ion Ratio Lower Upper

94 100

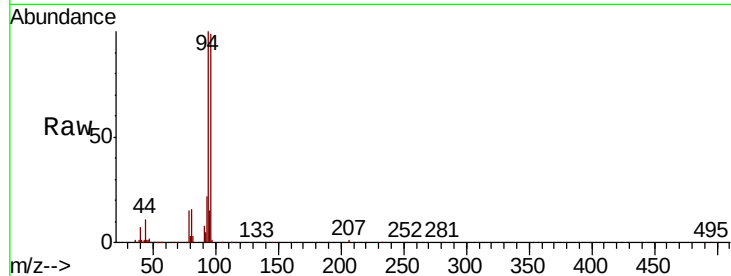
96 98.3 76.2 114.4

Manual Integrations

APPROVED

apatel

11/27/2019 5:13:59 PM



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

100000

80000

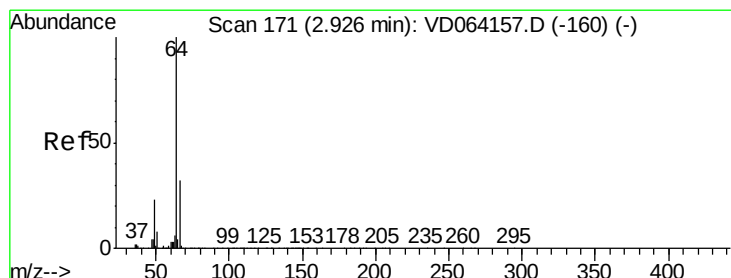
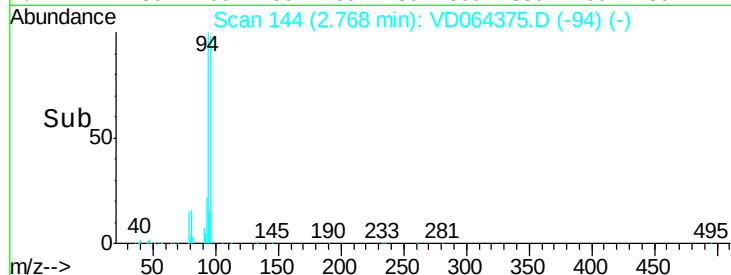
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 62.902 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD064375.D

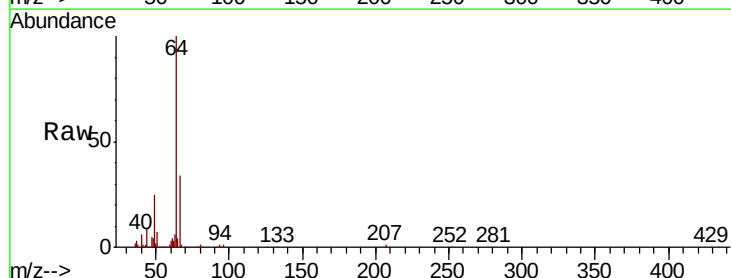
Acq: 26 Nov 2019 10:42

Tgt Ion: 64 Resp: 203971

Ion Ratio Lower Upper

64 100

66 33.5 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

120000

100000

80000

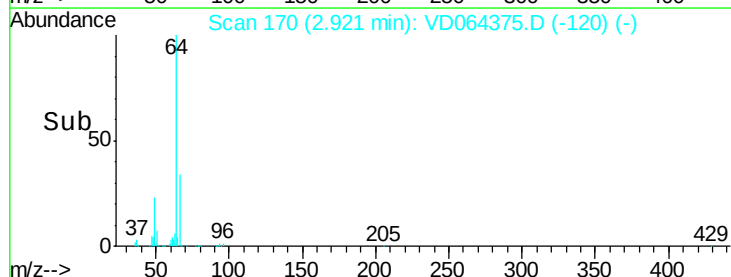
60000

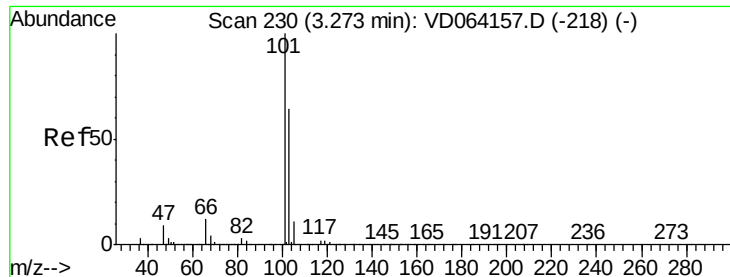
40000

20000

0

Time-->





#7

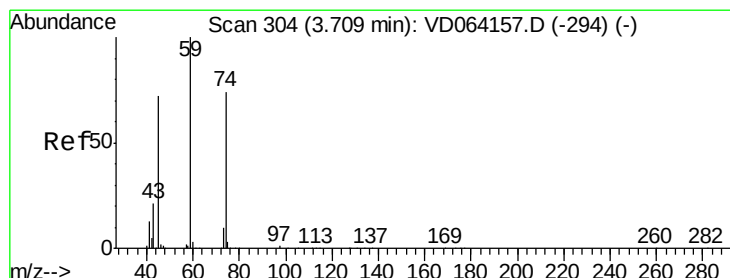
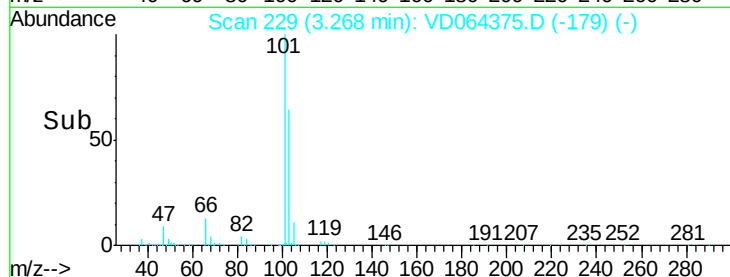
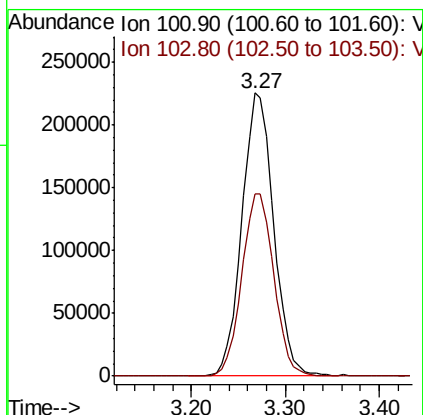
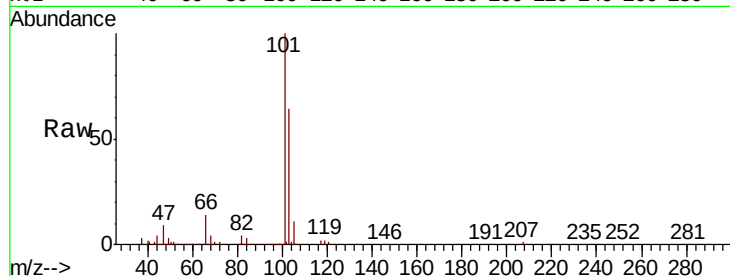
Trichlorofluoromethane
Concen: 64.065 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD064375.D
Acq: 26 Nov 2019 10:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.2	50.8	76.2

Manual Integrations
APPROVED

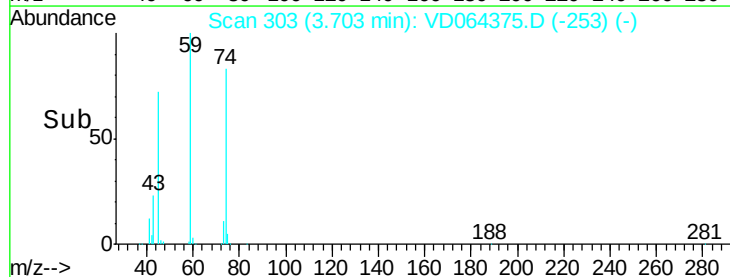
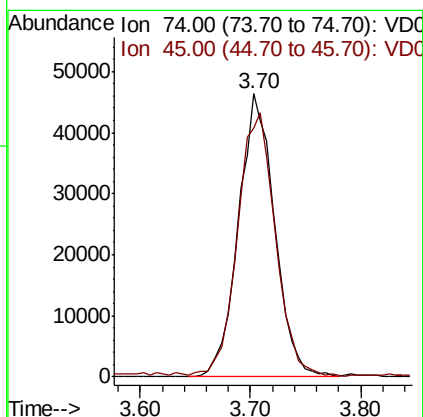
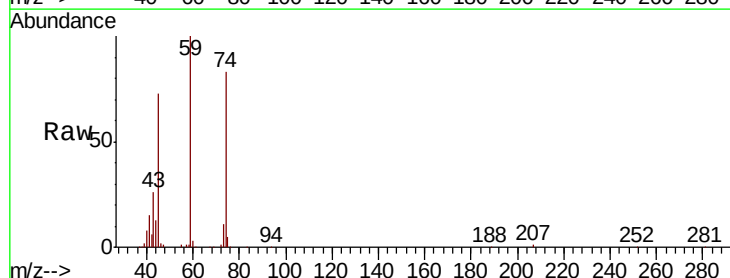
apatel
11/27/2019 5:13:59 PM

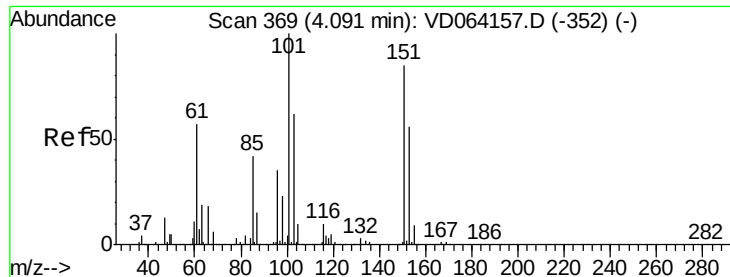


#8

Diethyl Ether
Concen: 47.130 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD064375.D
Acq: 26 Nov 2019 10:42

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.2	47.9	143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.990 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD064375.D

Acq: 26 Nov 2019 10:42

Instrument :

MSVOA_D

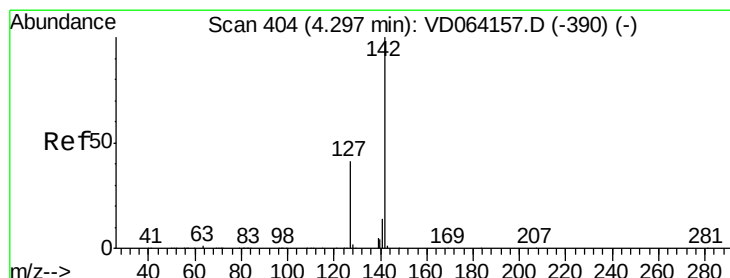
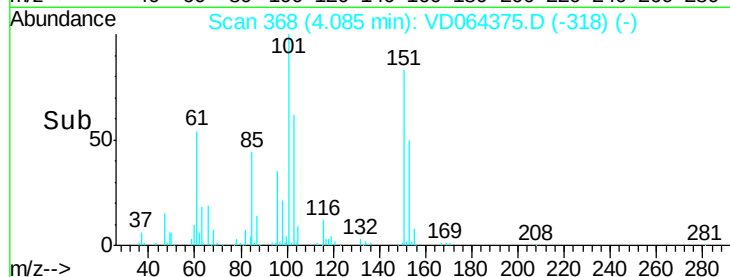
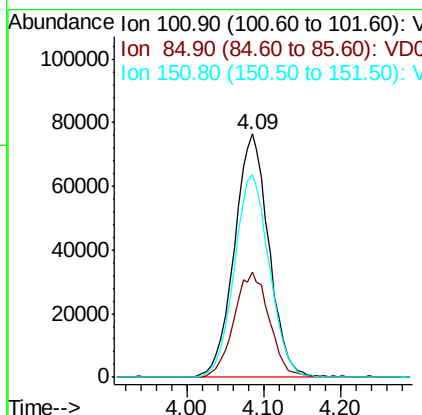
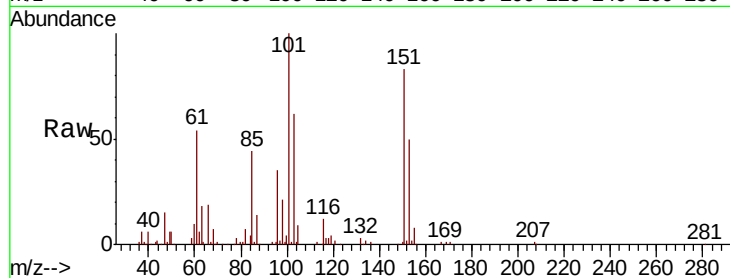
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	239784
Ion Ratio	Lower	Upper	
101	100		
85	44.1	34.4	51.6
151	84.8	68.1	102.1

Manual Integrations
APPROVED

apatel
11/27/2019 5:13:59 PM



#10

Methyl Iodide

Concen: 49.603 ug/l

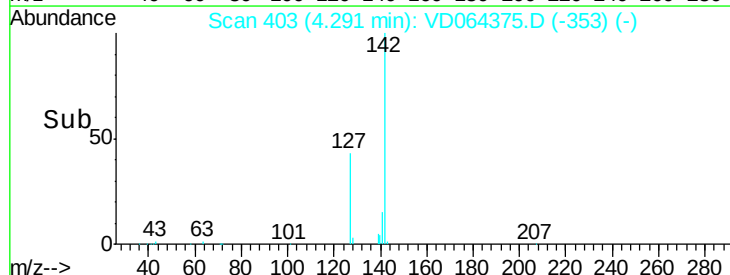
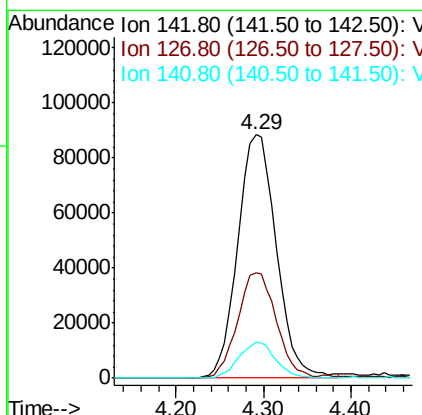
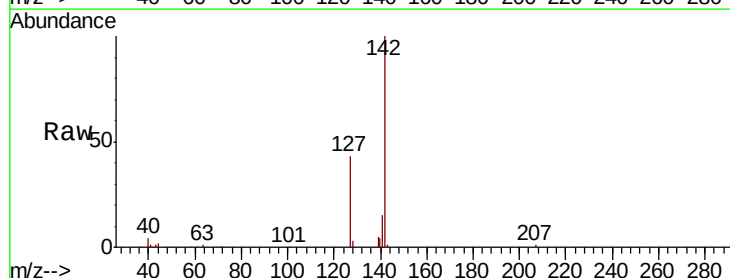
RT: 4.29 min Scan# 403

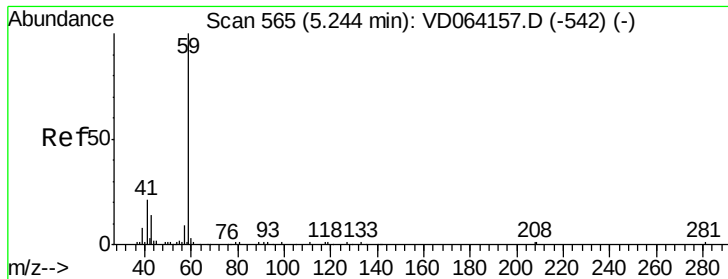
Delta R.T. -0.00 min

Lab File: VD064375.D

Acq: 26 Nov 2019 10:42

Tgt Ion:	142	Resp:	266185
Ion Ratio	Lower	Upper	
142	100		
127	43.3	34.4	51.6
141	14.0	11.2	16.8





#11

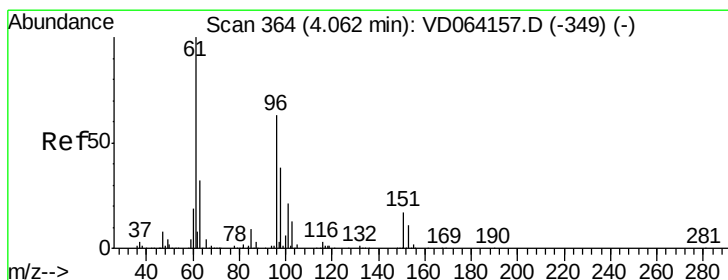
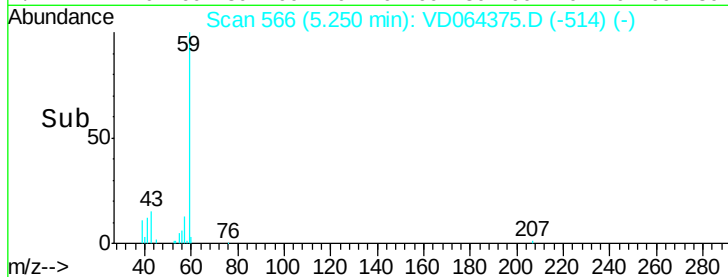
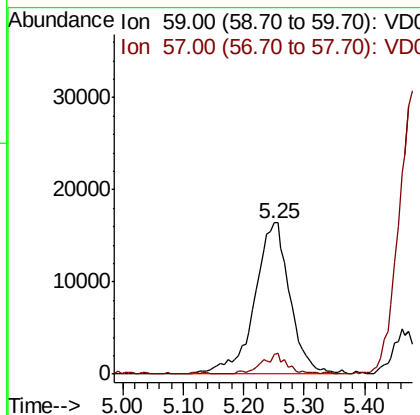
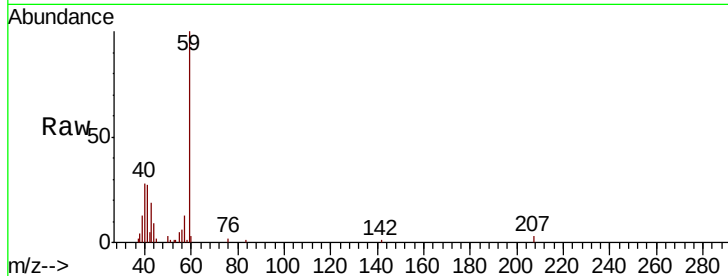
Tert butyl alcohol
 Concen: 217.091 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: VD064375.D
 Acq: 26 Nov 2019 10:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	9.4	14.2

Manual Integrations
 APPROVED

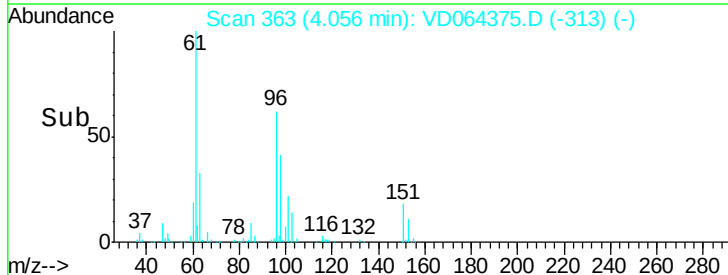
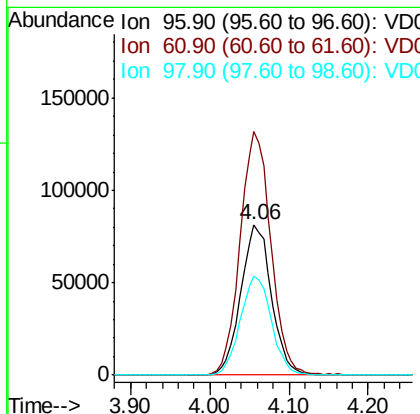
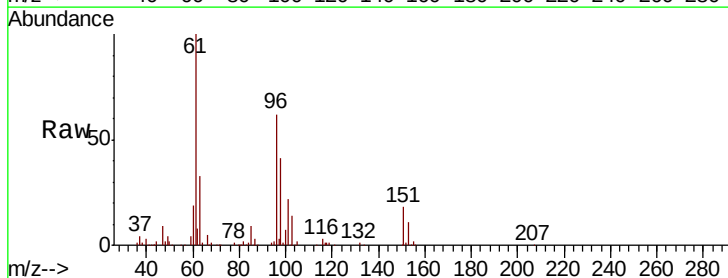
apatel
 11/27/2019 5:13:59 PM

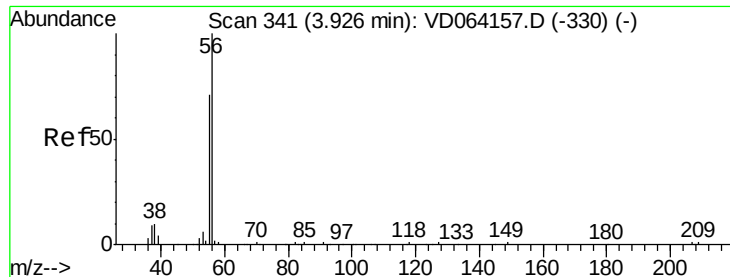


#12

1,1-Dichloroethene
 Concen: 48.868 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. -0.01 min
 Lab File: VD064375.D
 Acq: 26 Nov 2019 10:42

Tgt Ion	Ratio	Lower	Upper
96	100		
61	162.1	127.4	191.2
98	66.0	48.1	72.1





#13

Acrolein

Concen: 244.904 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD064375.D

Acq: 26 Nov 2019 10:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 63487

Ion Ratio Lower Upper

56 100

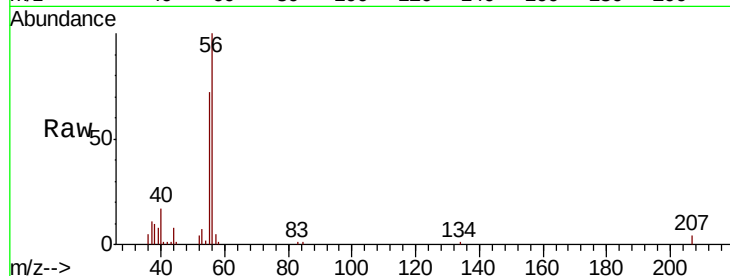
55 69.6 56.1 84.1

Manual Integrations

APPROVED

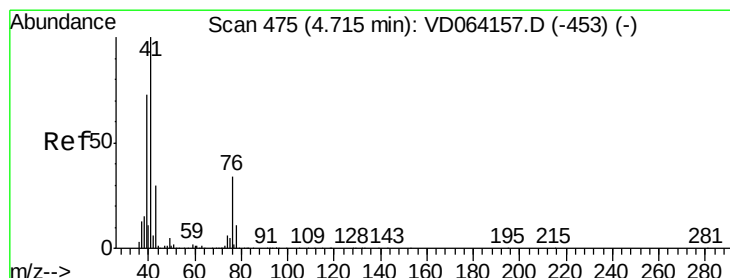
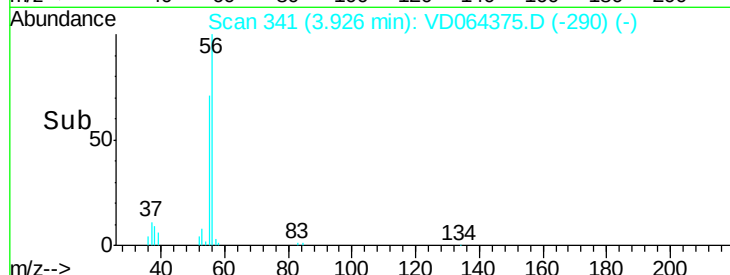
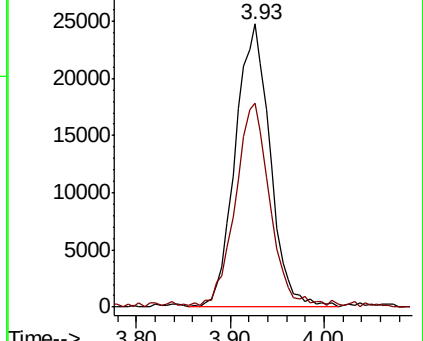
apatel

11/27/2019 5:13:59 PM



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 44.907 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD064375.D

Acq: 26 Nov 2019 10:42

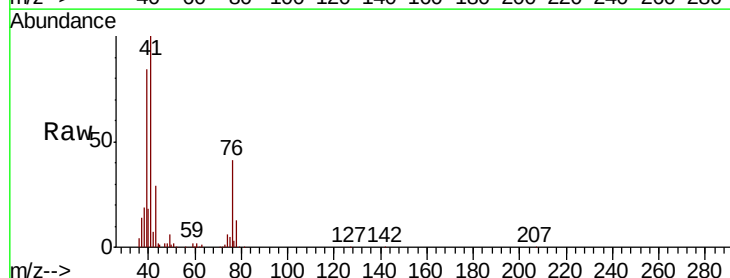
Tgt Ion: 41 Resp: 355904

Ion Ratio Lower Upper

41 100

39 77.1 57.5 86.3

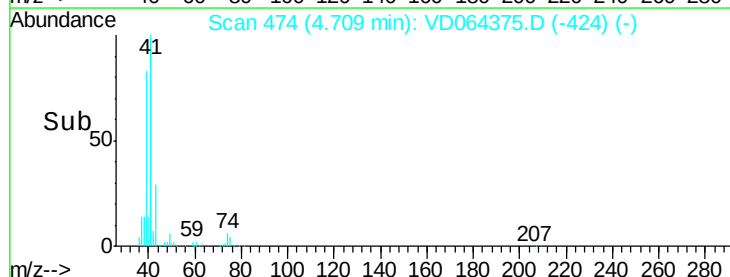
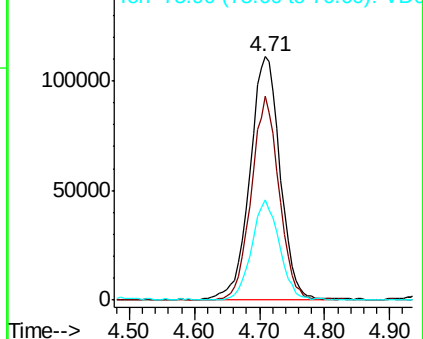
76 38.2 26.8 40.2

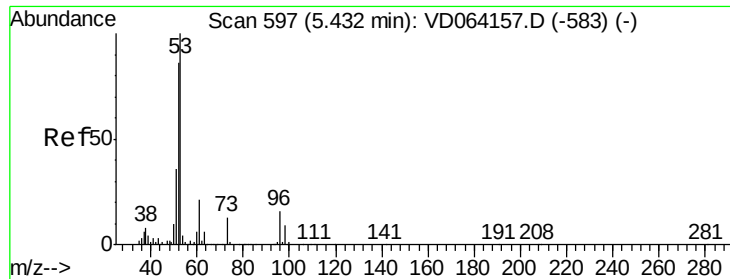


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 235.980 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064375.D

Acq: 26 Nov 2019 10:42

Instrument :

MSVOA_D

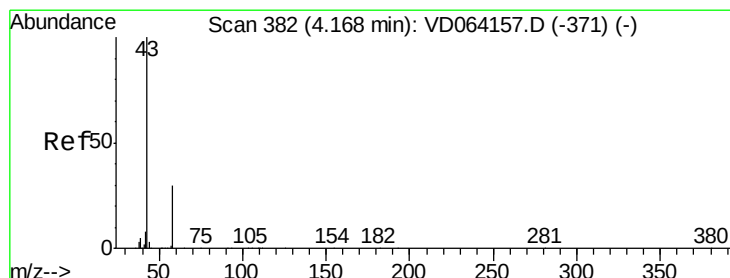
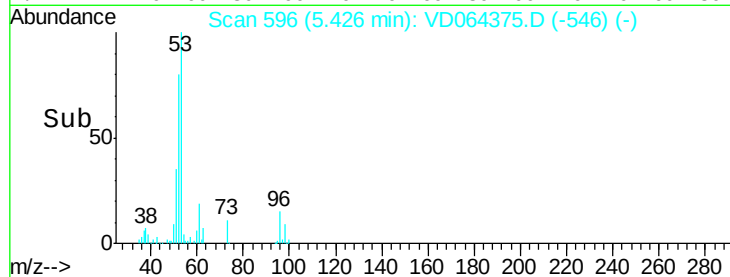
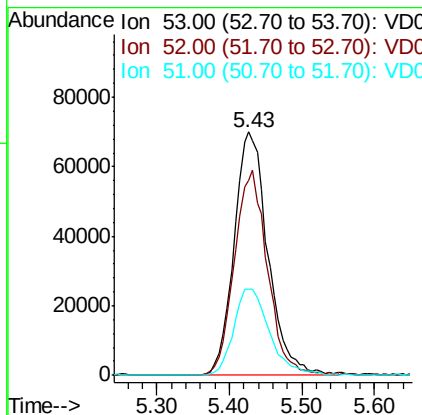
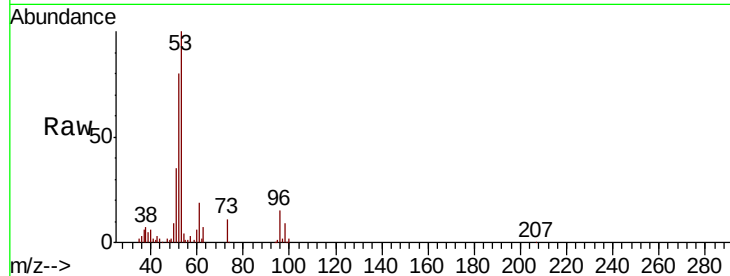
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	227588
Ion Ratio	Lower	Upper	
53	100		
52	82.2	66.7	100.1
51	37.5	30.6	46.0

Manual Integrations
APPROVED

apatel
11/27/2019 5:13:59 PM



#16

Acetone

Concen: 272.141 ug/l

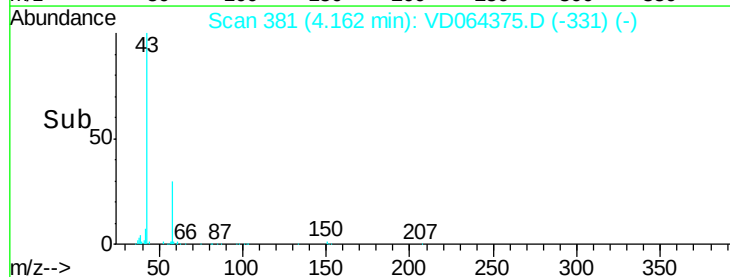
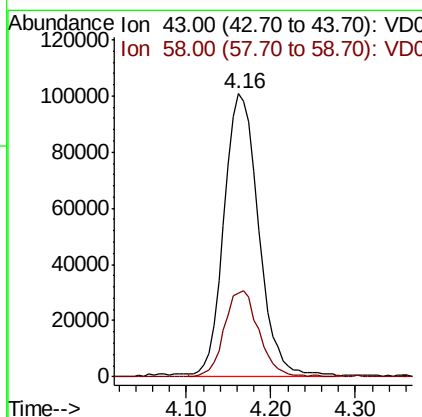
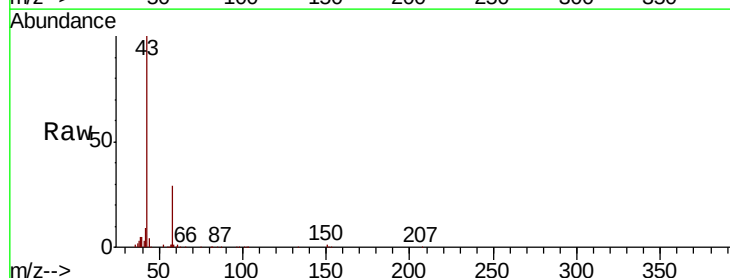
RT: 4.16 min Scan# 381

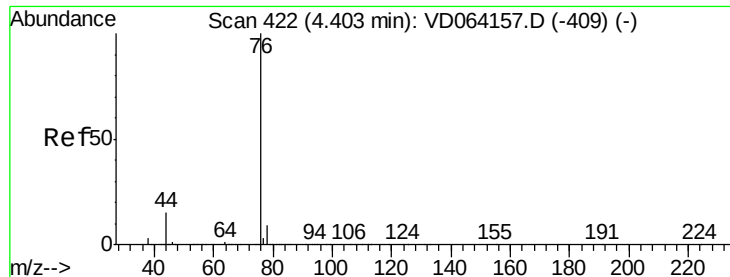
Delta R.T. -0.01 min

Lab File: VD064375.D

Acq: 26 Nov 2019 10:42

Tgt Ion:	43	Resp:	282847
Ion Ratio	Lower	Upper	
43	100		
58	29.4	24.1	36.1





#17

Carbon Disulfide

Concen: 44.705 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD064375.D

Acq: 26 Nov 2019 10:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 624035

Ion Ratio Lower Upper

76 100

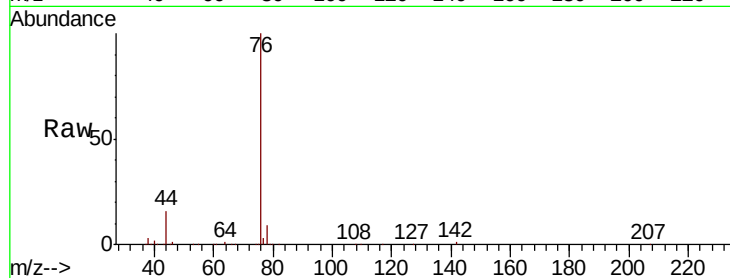
78 8.8 7.2 10.8

Manual Integrations

APPROVED

apatel

11/27/2019 5:13:59 PM



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

250000

200000

150000

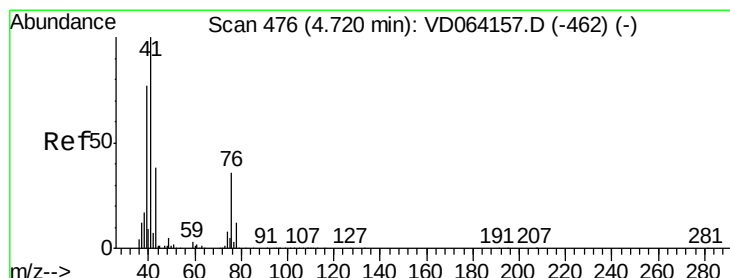
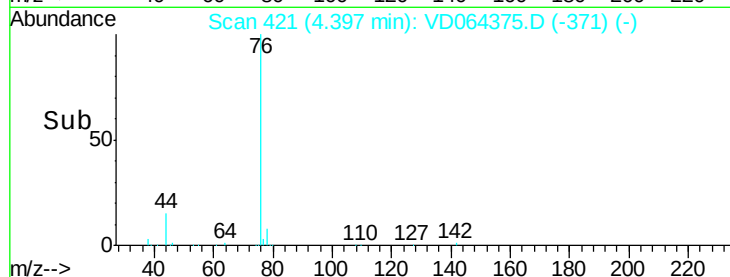
100000

50000

0

4.30 4.40 4.50

Time-->



#18

Methyl Acetate

Concen: 44.415 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.00 min

Lab File: VD064375.D

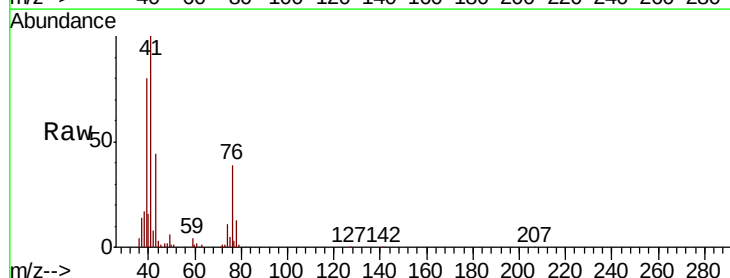
Acq: 26 Nov 2019 10:42

Tgt Ion: 43 Resp: 128932

Ion Ratio Lower Upper

43 100

74 24.0 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

50000

40000

30000

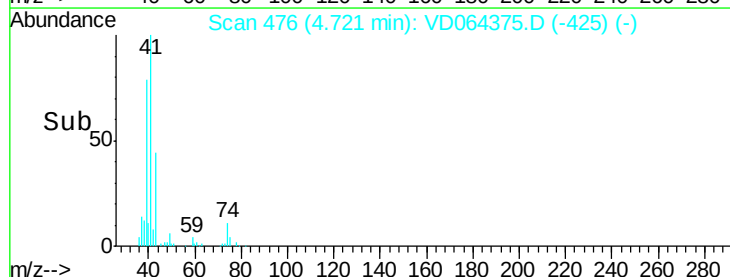
20000

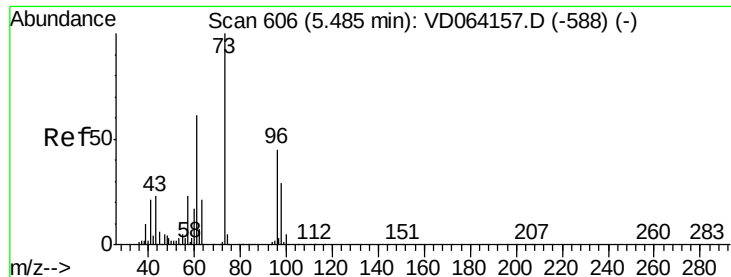
10000

0

4.60 4.70 4.80 4.90

Time-->





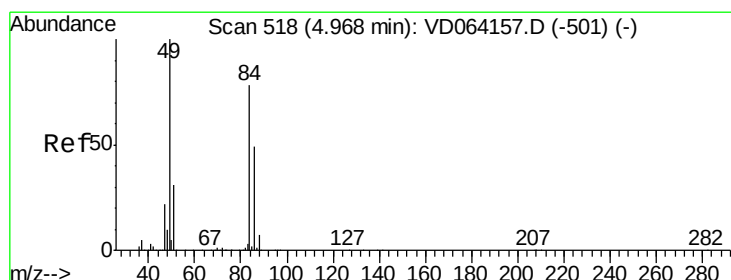
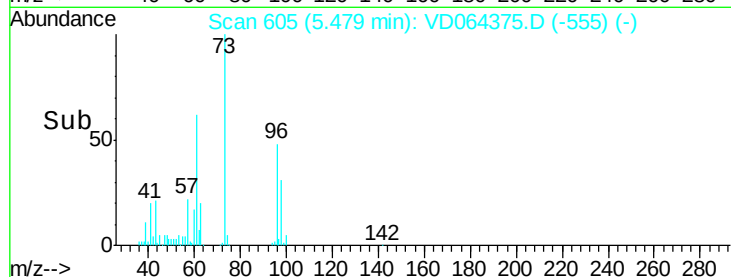
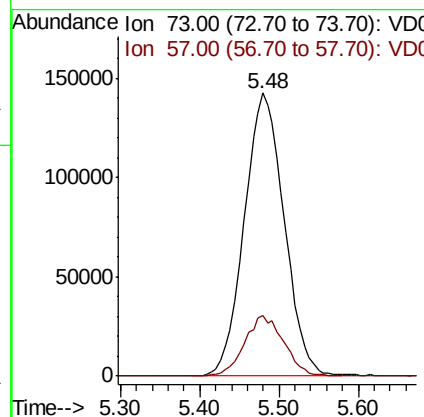
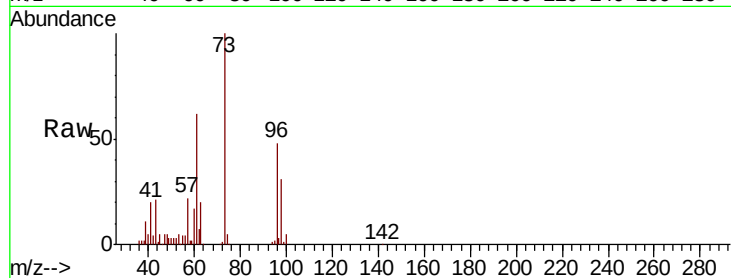
#19
Methyl tert-butyl Ether
Concen: 46.605 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD064375.D
Acq: 26 Nov 2019 10:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 498704
Ion Ratio Lower Upper
73 100
57 21.5 18.4 27.6

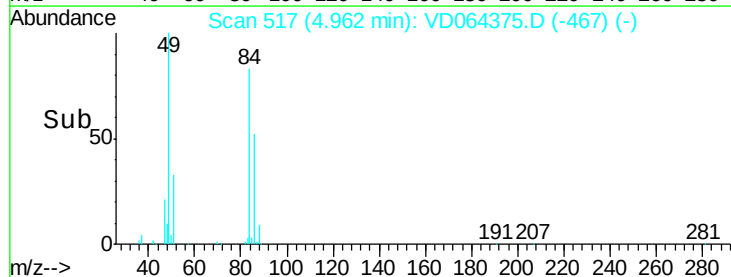
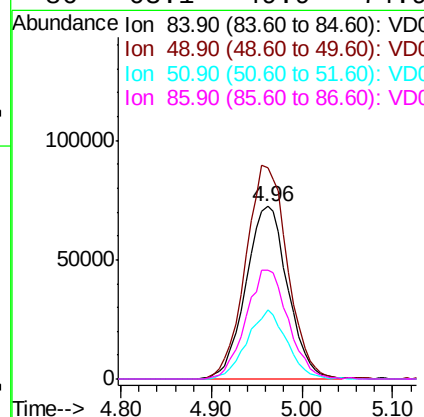
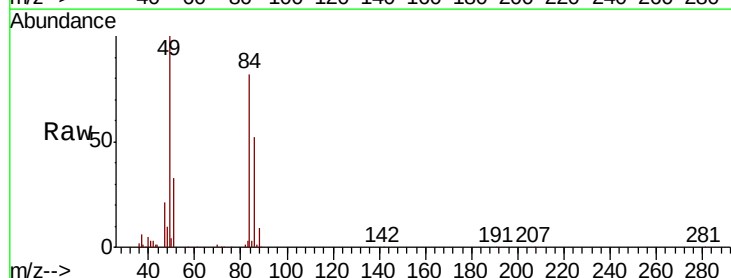
Manual Integrations
APPROVED

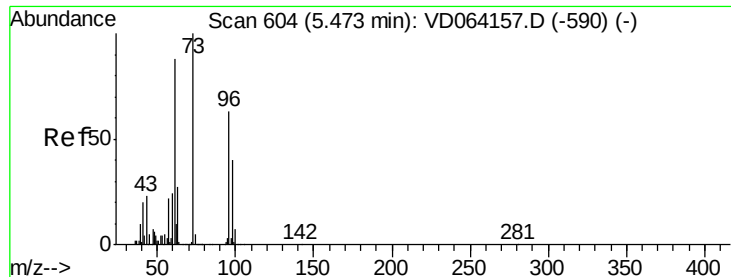
apatel
11/27/2019 5:13:59 PM



#20
Methylene Chloride
Concen: 44.265 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD064375.D
Acq: 26 Nov 2019 10:42

Tgt Ion: 84 Resp: 232395
Ion Ratio Lower Upper
84 100
49 122.1 102.1 153.1
51 40.0 32.2 48.2
86 63.1 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 49.130 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064375.D

Acq: 26 Nov 2019 10:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 249500

Ion Ratio Lower Upper

96 100

61 133.7 111.8 167.6

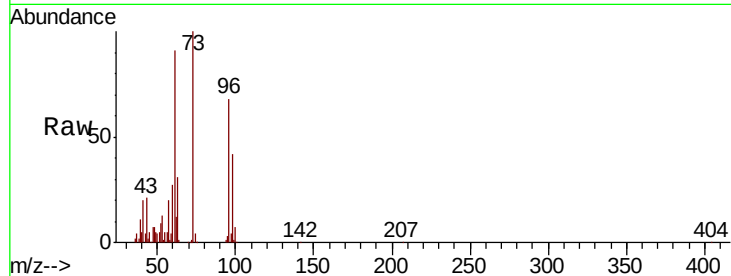
98 62.1 50.3 75.5

Manual Integrations

APPROVED

apatel

11/27/2019 5:13:59 PM

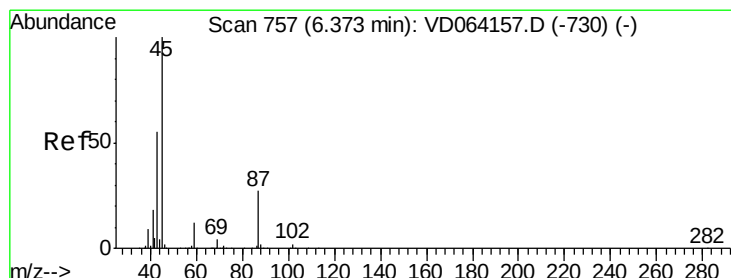
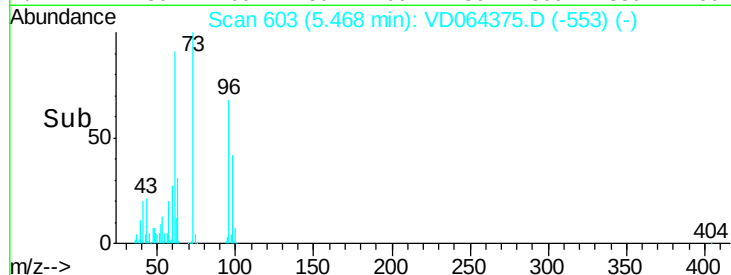
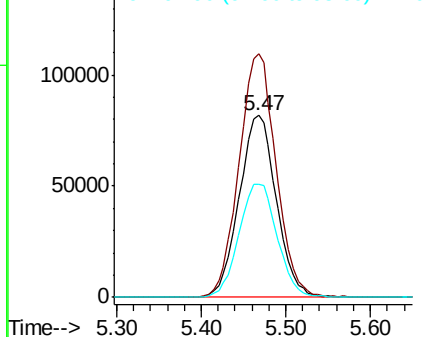


Abundance

Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 47.193 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064375.D

Acq: 26 Nov 2019 10:42

Tgt Ion: 45 Resp: 693956

Ion Ratio Lower Upper

45 100

43 56.2 44.4 66.6

87 28.6 21.9 32.9

59 11.3 9.4 14.2

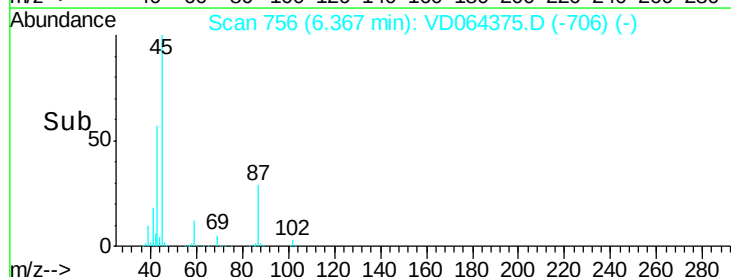
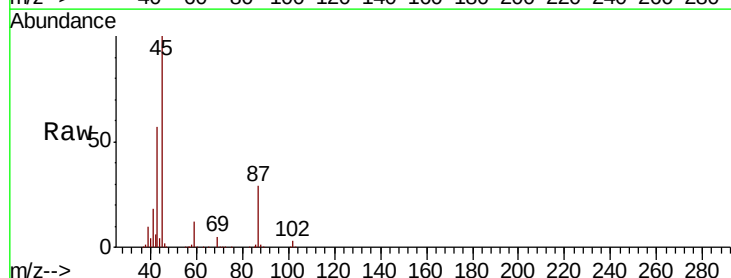
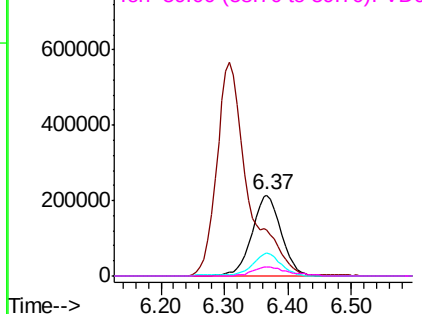
Abundance

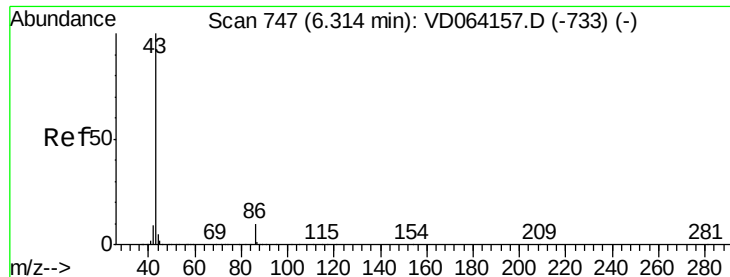
Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 237.025 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064375.D

Acq: 26 Nov 2019 10:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1942844

Ion Ratio Lower Upper

43 100

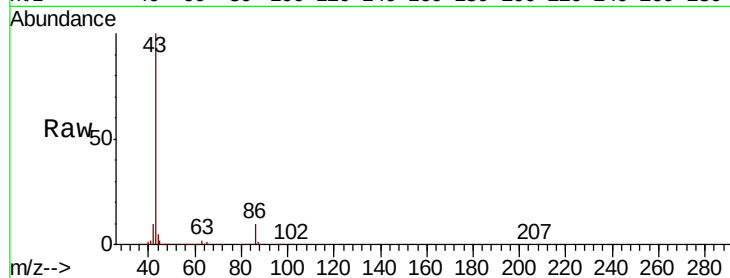
86 10.4 8.2 12.2

Manual Integrations

APPROVED

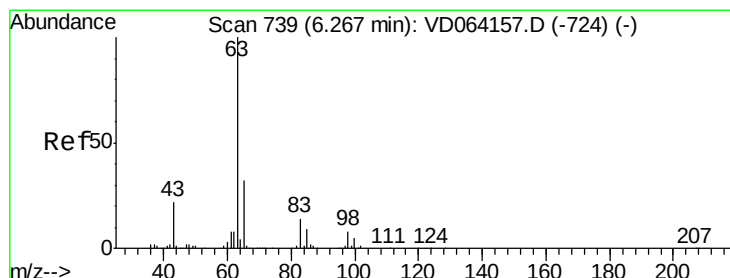
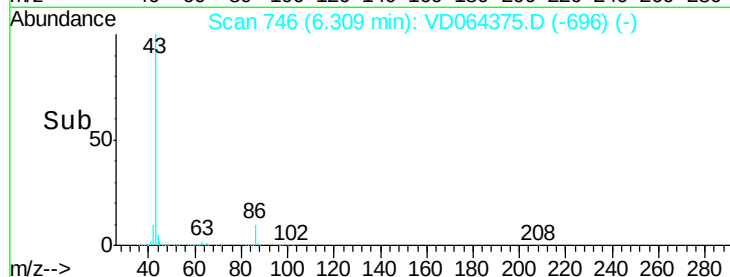
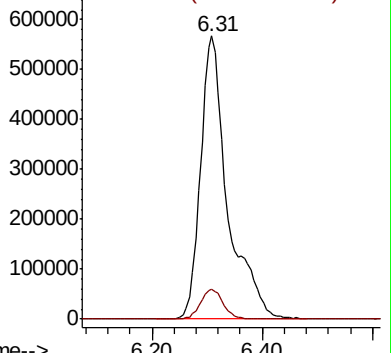
apatel

11/27/2019 5:13:59 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 50.279 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064375.D

Acq: 26 Nov 2019 10:42

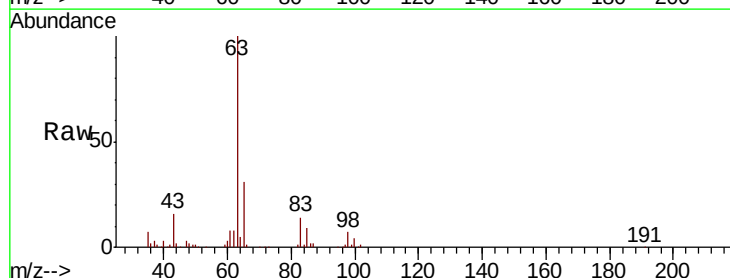
Tgt Ion: 63 Resp: 429286

Ion Ratio Lower Upper

63 100

98 7.5 3.8 11.4

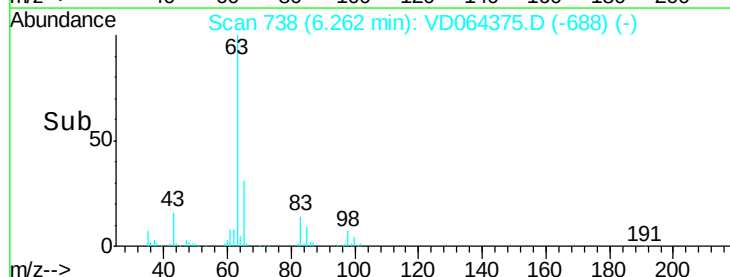
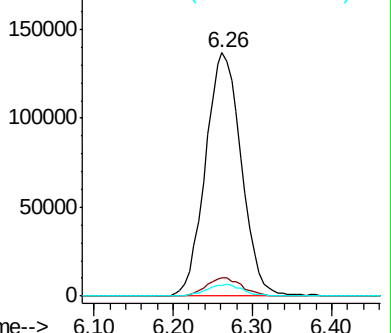
100 4.3 2.4 7.2

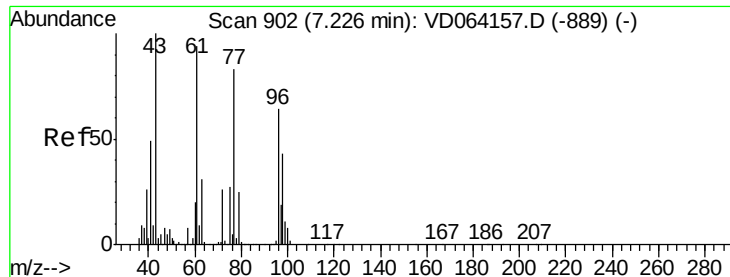


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 237.425 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD064375.D

Acq: 26 Nov 2019 10:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 318808

Ion Ratio Lower Upper

43 100

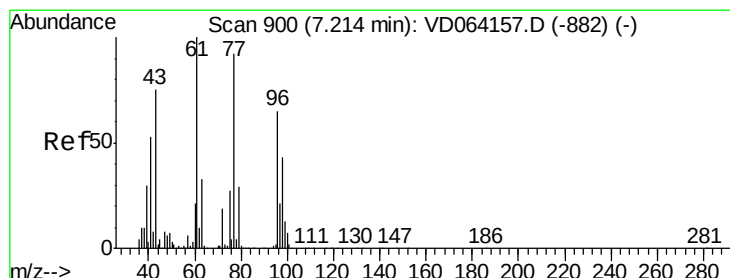
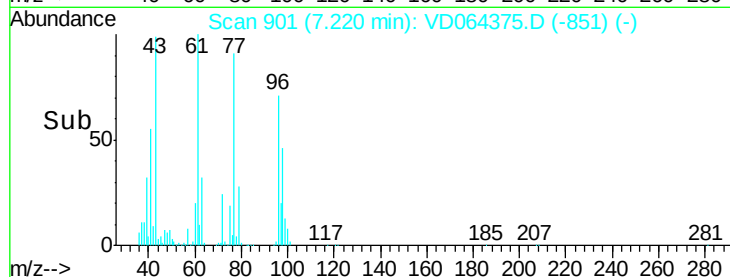
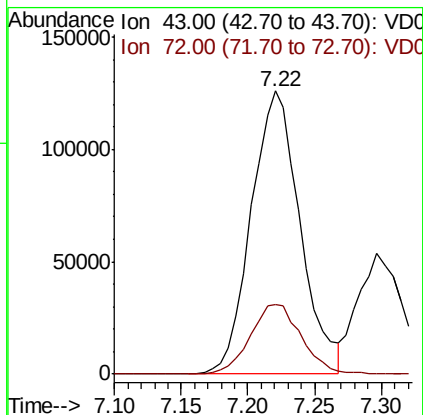
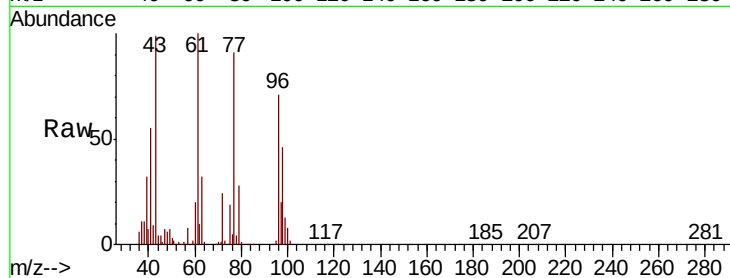
72 24.8 20.6 30.8

Manual Integrations

APPROVED

apatel

11/27/2019 5:13:59 PM



#26

2,2-Dichloropropane

Concen: 49.152 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064375.D

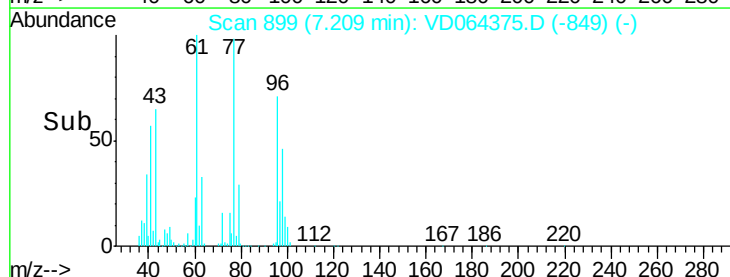
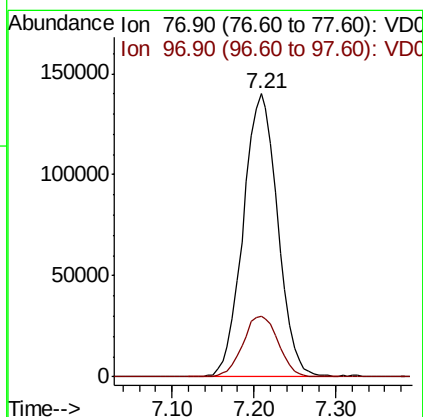
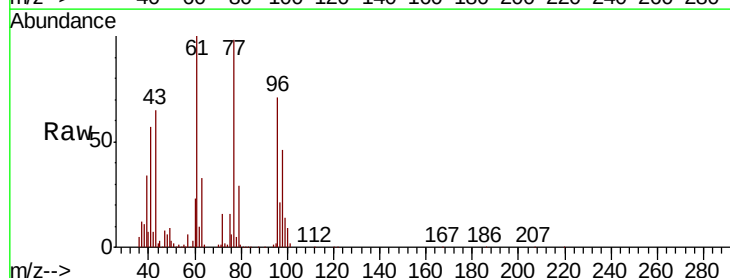
Acq: 26 Nov 2019 10:42

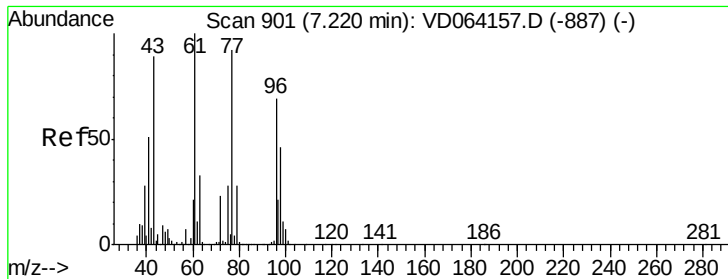
Tgt Ion: 77 Resp: 411554

Ion Ratio Lower Upper

77 100

97 22.2 11.1 33.3





#27

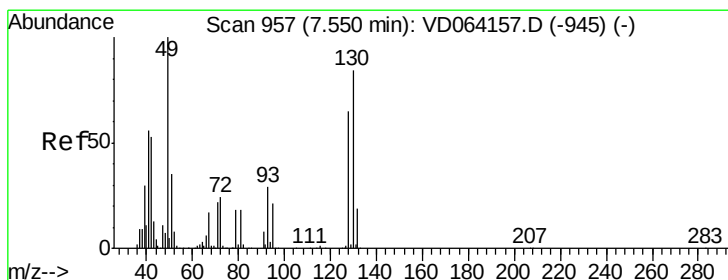
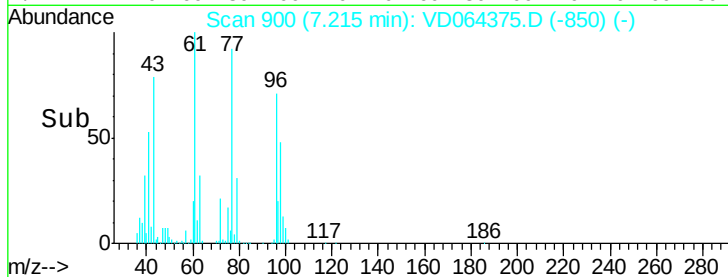
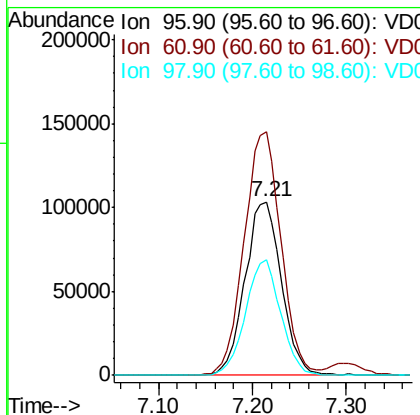
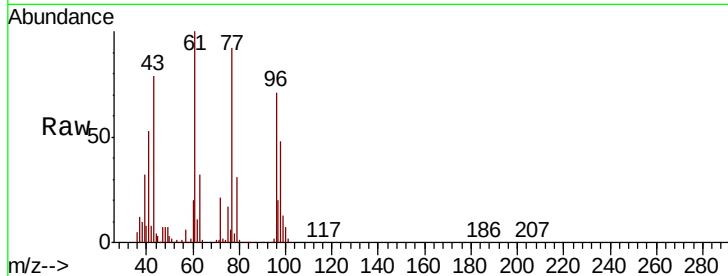
cis-1,2-Dichloroethene
Concen: 50.980 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.01 min
Lab File: VD064375.D
Acq: 26 Nov 2019 10:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	277640		
61	141.8		0.0	301.4
98	64.3		0.0	133.2

Manual Integrations
APPROVED

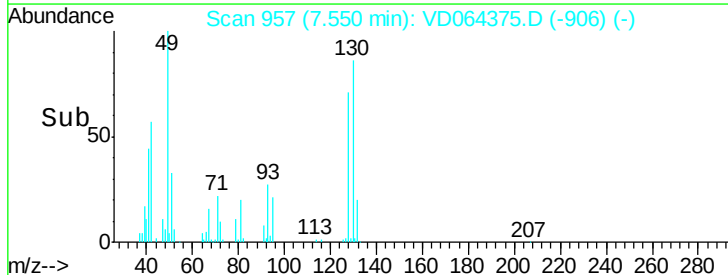
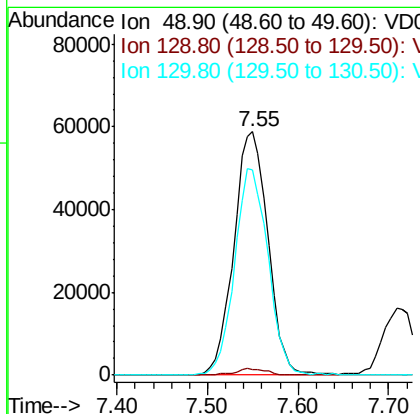
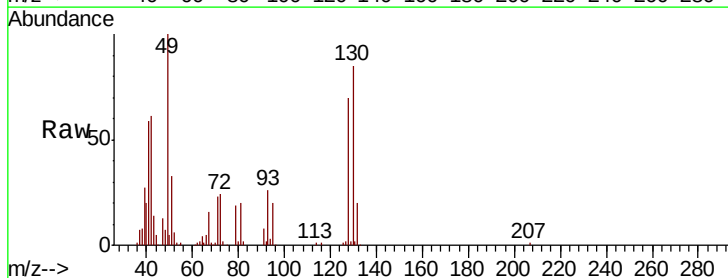
apatel
11/27/2019 5:13:59 PM

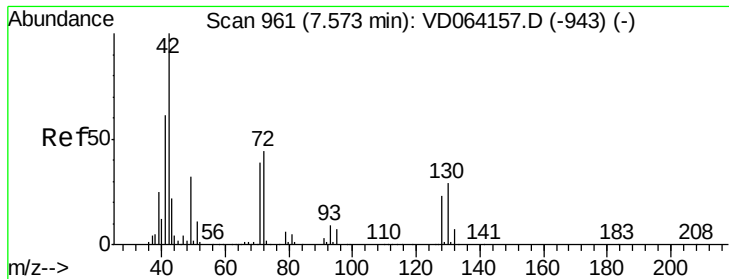


#28

Bromochloromethane
Concen: 51.714 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD064375.D
Acq: 26 Nov 2019 10:42

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	153721		
129	2.4		0.0	4.4
130	83.1		66.8	100.2





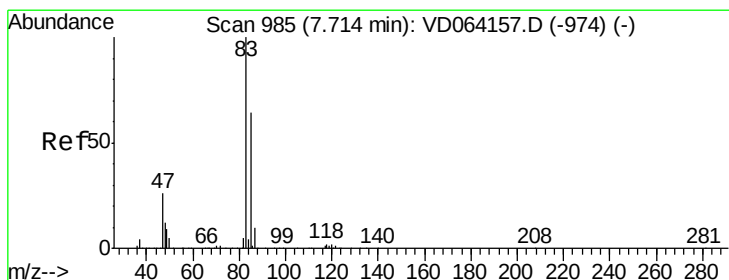
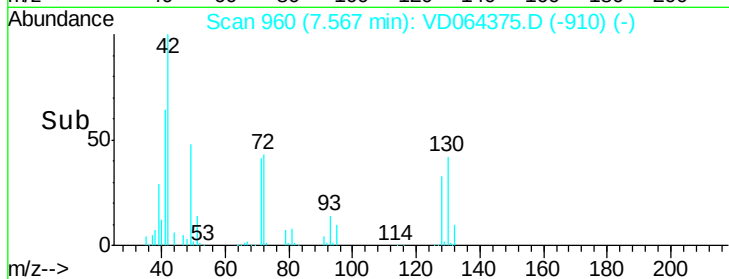
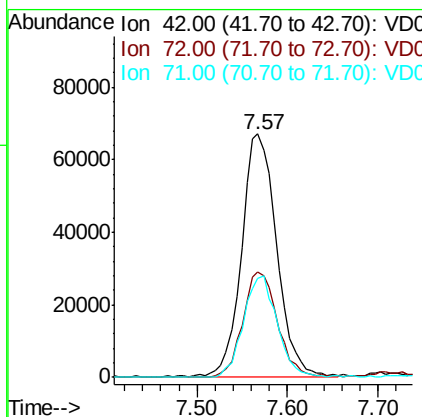
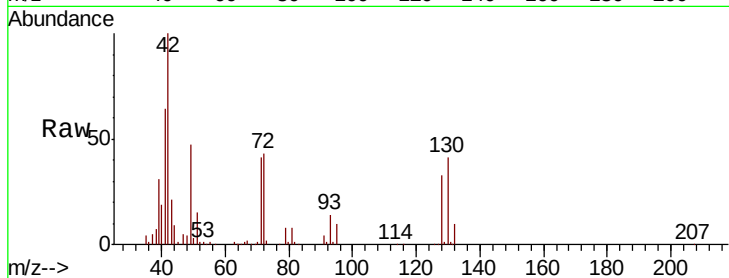
#29
Tetrahydrofuran
Concen: 224.369 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD064375.D
Acq: 26 Nov 2019 10:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.3	33.4	50.2
71	39.9	31.0	46.4

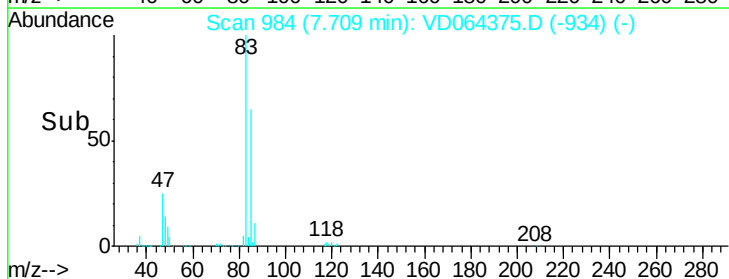
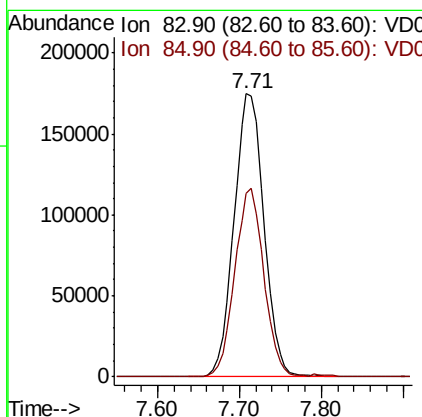
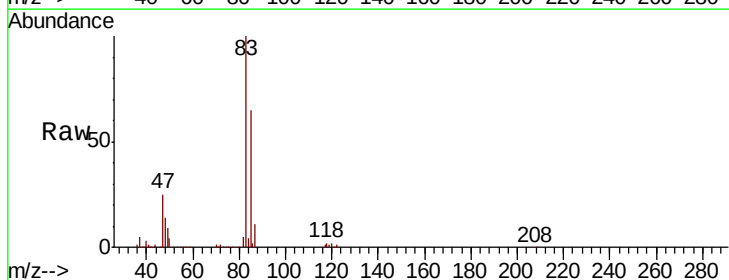
Manual Integrations
APPROVED

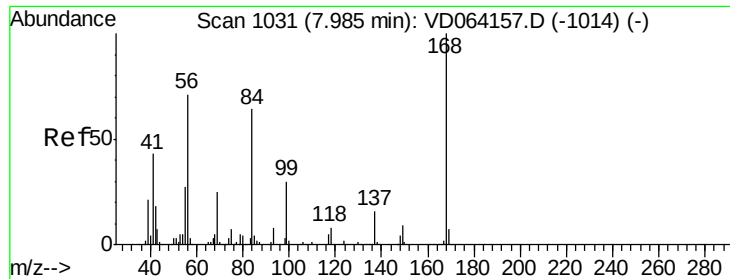
apatel
11/27/2019 5:13:59 PM



#30
Chloroform
Concen: 51.095 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD064375.D
Acq: 26 Nov 2019 10:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.4	77.0





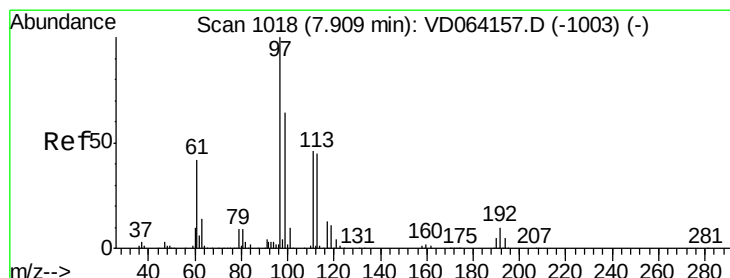
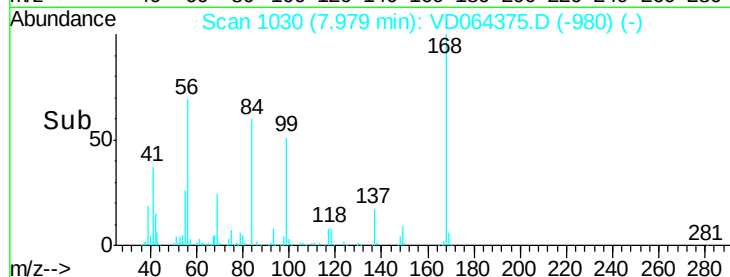
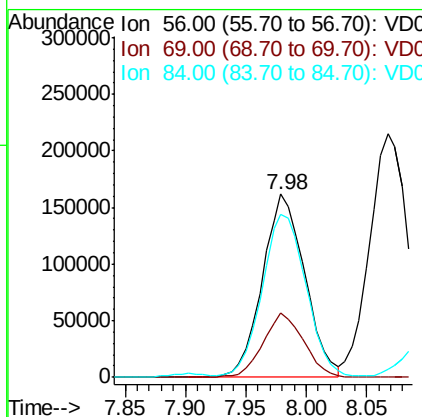
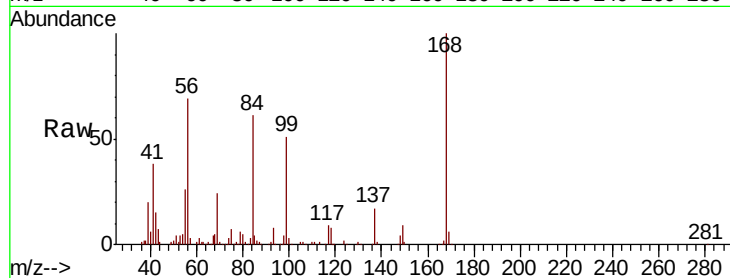
#31
Cyclohexane
Concen: 45.813 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064375.D
Acq: 26 Nov 2019 10:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	35.0	28.2	42.4	
84	86.9	71.8	107.6	

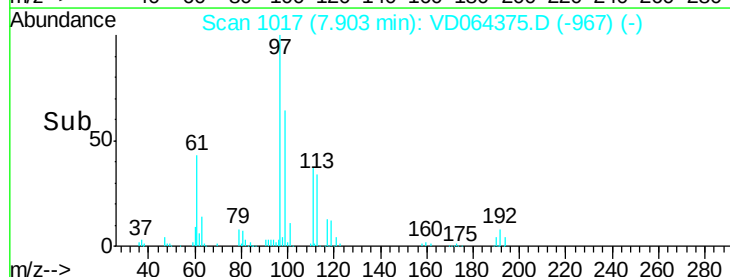
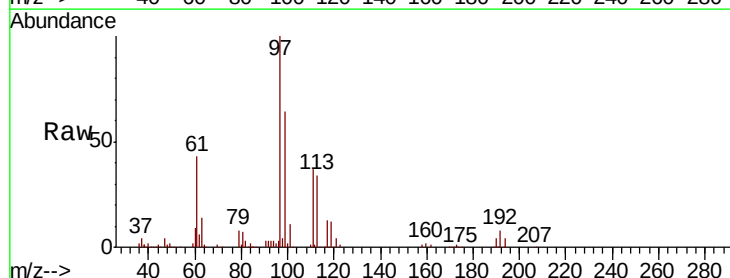
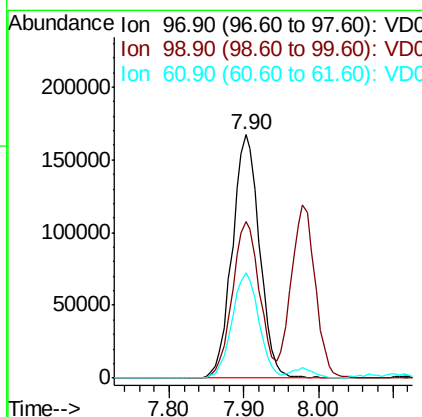
Manual Integrations
APPROVED

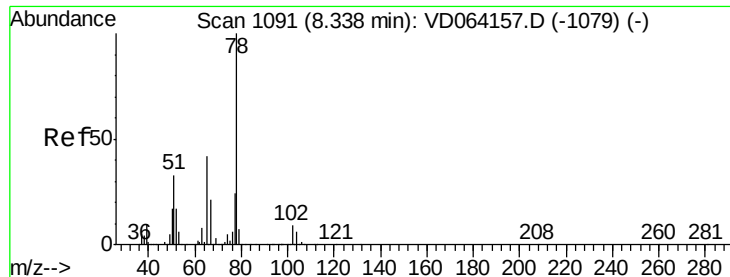
apatel
11/27/2019 5:13:59 PM



#32
1,1,1-Trichloroethane
Concen: 50.707 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064375.D
Acq: 26 Nov 2019 10:42

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	64.6	51.6	77.4	
61	42.5	34.2	51.2	





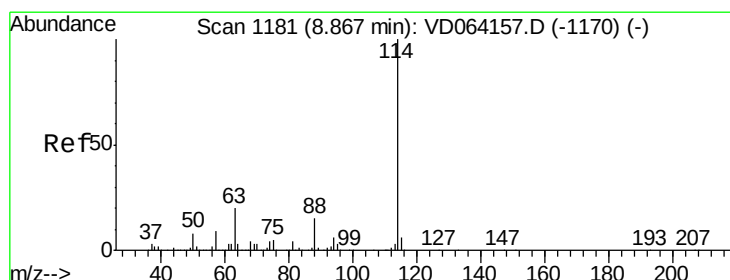
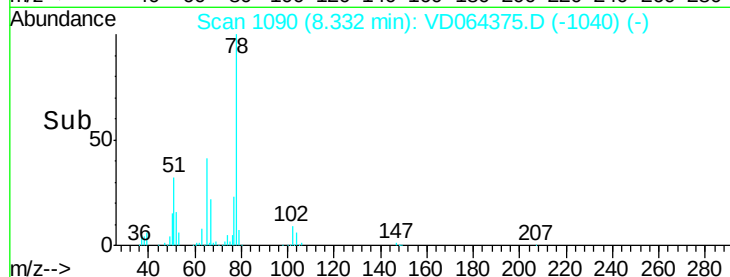
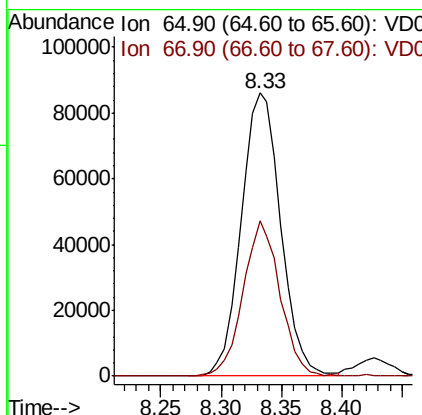
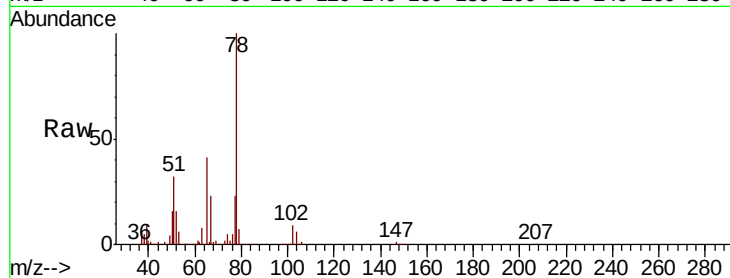
#33
 1,2-Dichloroethane-d4
 Concen: 44.791 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD064375.D
 Acq: 26 Nov 2019 10:42

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	196509		
67	51.4	0.0	104.4	

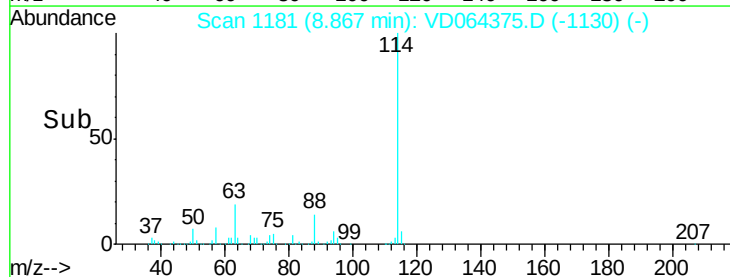
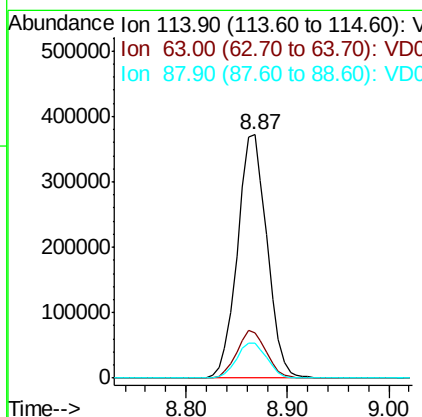
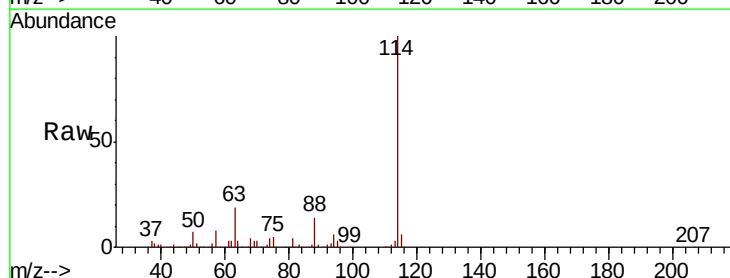
Manual Integrations
 APPROVED

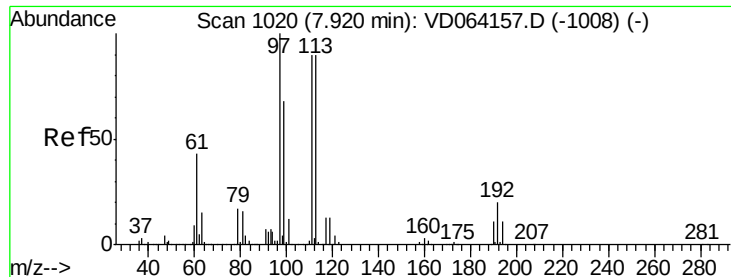
apatel
 11/27/2019 5:13:59 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064375.D
 Acq: 26 Nov 2019 10:42

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	753253		
63	18.6	0.0	40.0	
88	14.5	0.0	30.2	





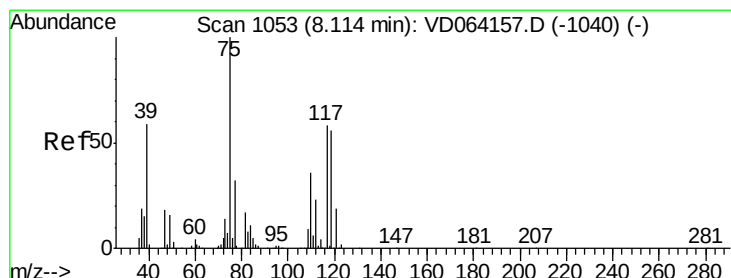
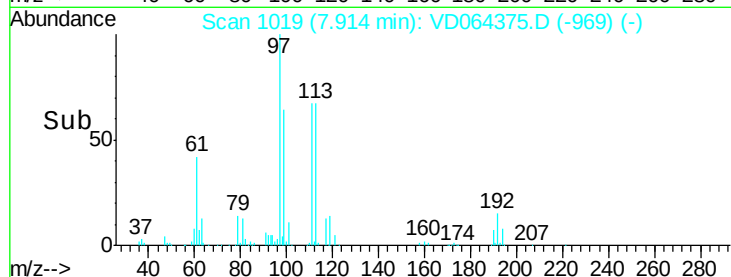
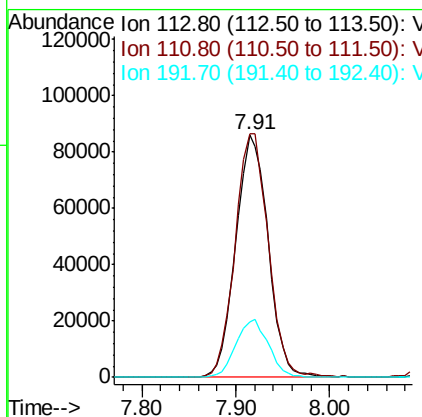
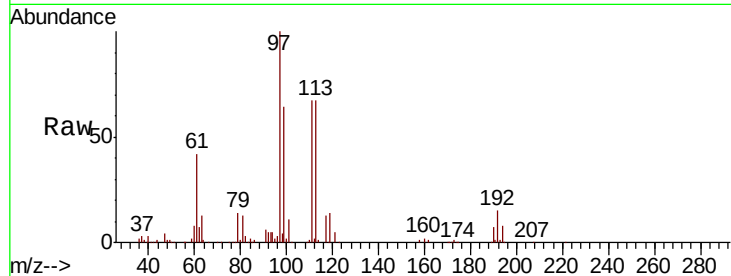
#35
 Dibromofluoromethane
 Concen: 47.663 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD064375.D
 Acq: 26 Nov 2019 10:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	206085		
111	103.2	81.5	122.3	
192	23.9	18.8	28.2	

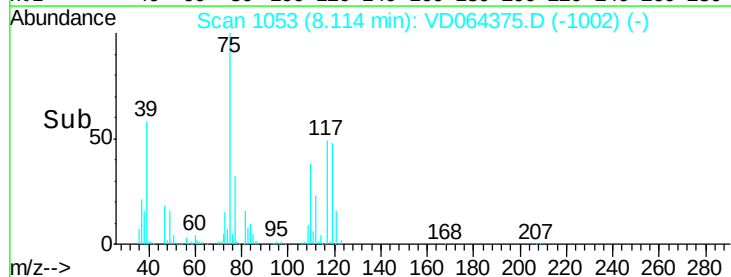
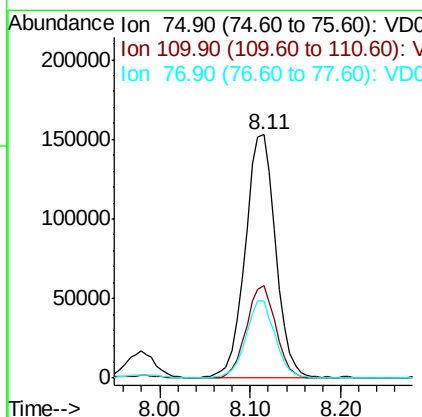
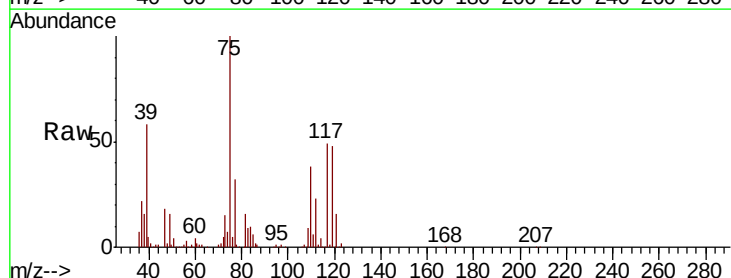
Manual Integrations
 APPROVED

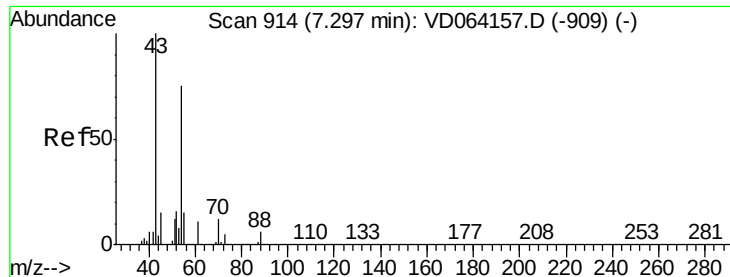
apatel
 11/27/2019 5:13:59 PM



#36
 1,1-Dichloropropene
 Concen: 50.901 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064375.D
 Acq: 26 Nov 2019 10:42

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	353857		
110	37.1	18.3	54.9	
77	30.9	25.0	37.6	





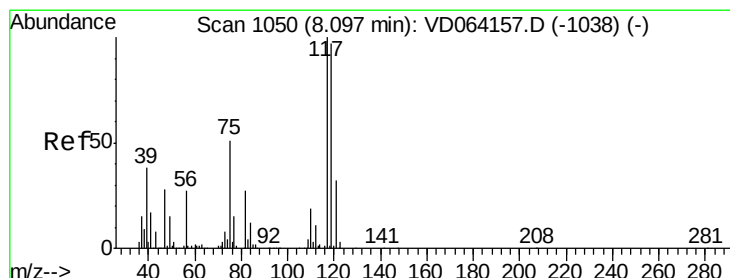
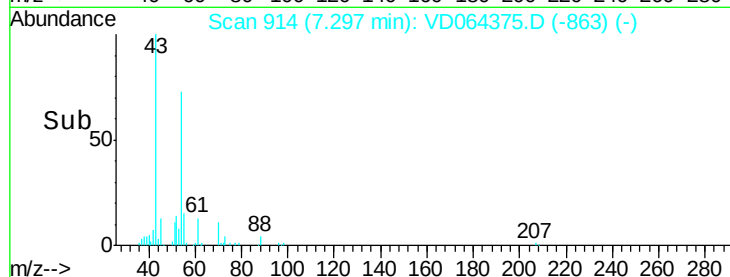
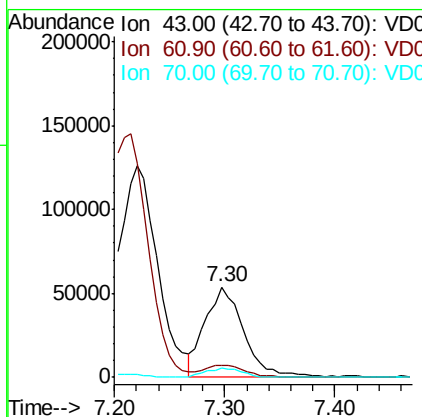
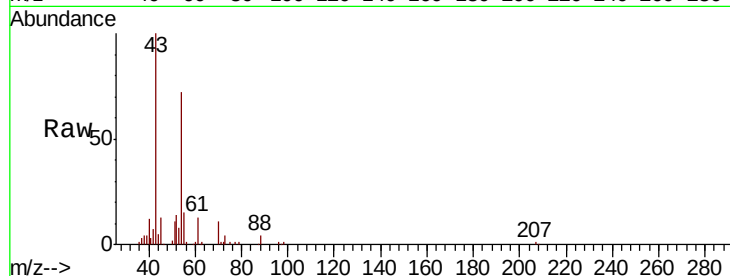
#37
Ethyl Acetate
Concen: 43.623 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD064375.D
Acq: 26 Nov 2019 10:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	127849
Ion Ratio	Lower	Upper	
43	100		
61	13.9	10.2	15.2
70	10.2	8.5	12.7

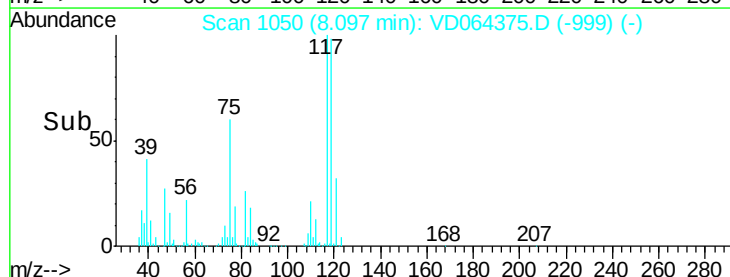
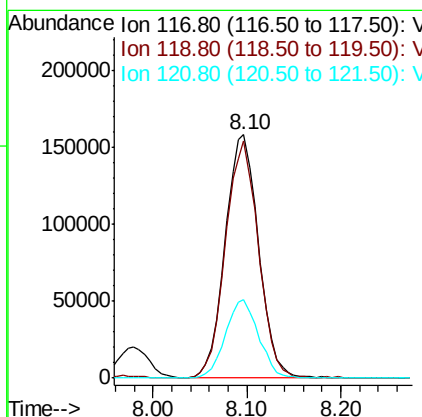
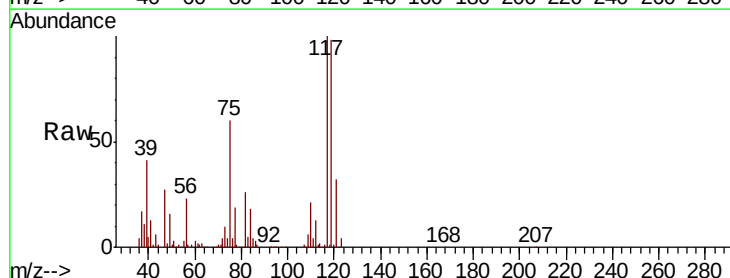
Manual Integrations
APPROVED

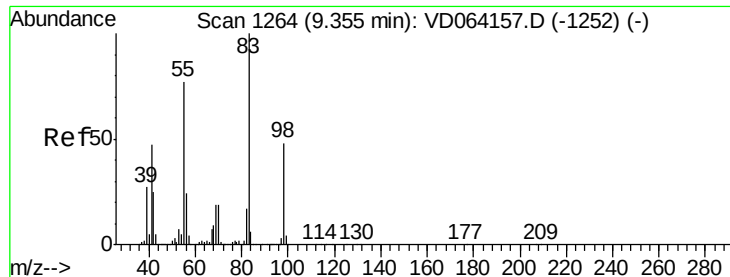
apatel
11/27/2019 5:13:59 PM



#38
Carbon Tetrachloride
Concen: 52.355 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064375.D
Acq: 26 Nov 2019 10:42

Tgt Ion	117	Resp	389452
Ion Ratio	Lower	Upper	
117	100		
119	97.7	77.2	115.8
121	32.1	25.5	38.3





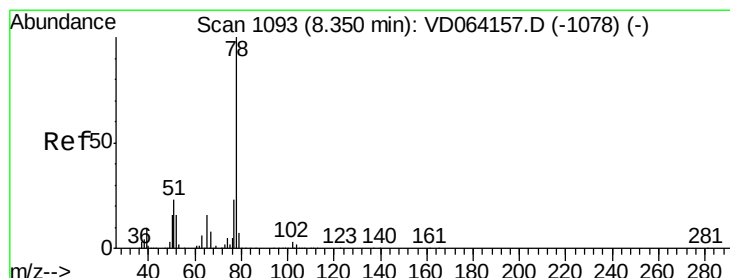
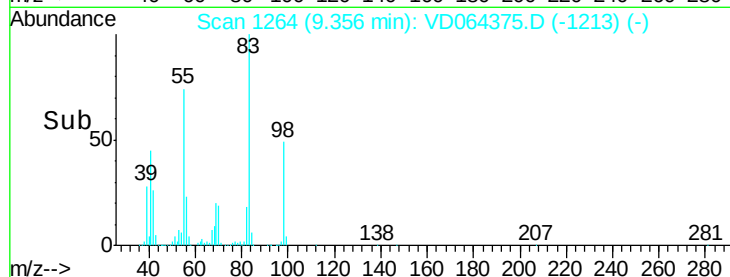
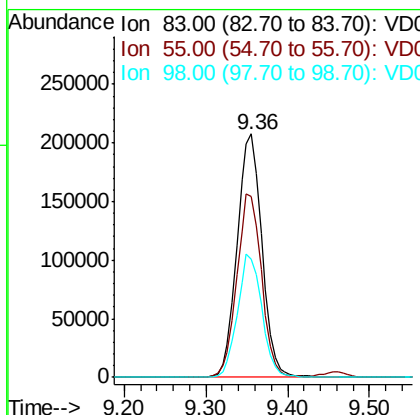
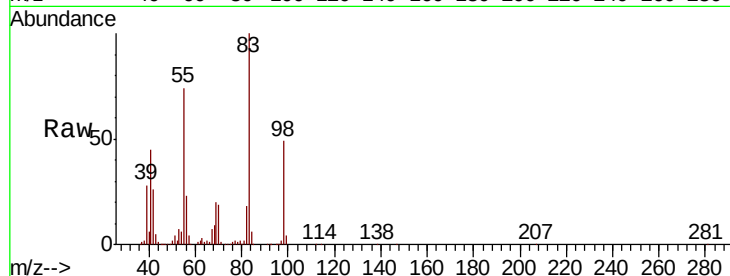
#39
Methylvlcyclohexane
Concen: 49.784 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064375.D
Acq: 26 Nov 2019 10:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.4	61.7	92.5
98	48.5	38.6	58.0

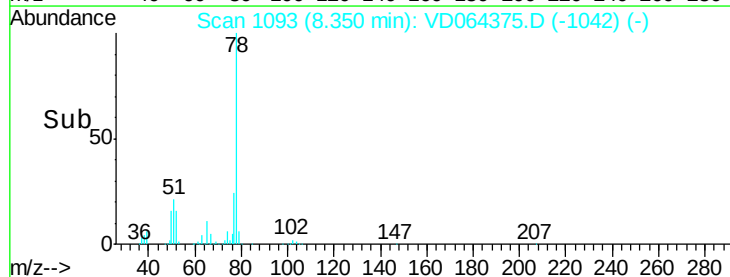
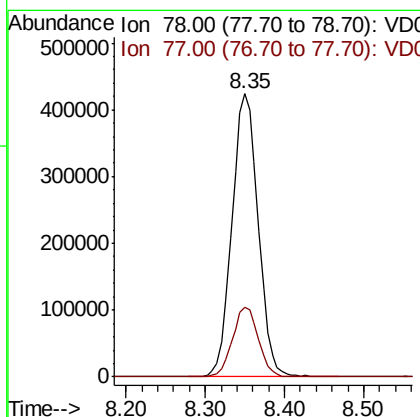
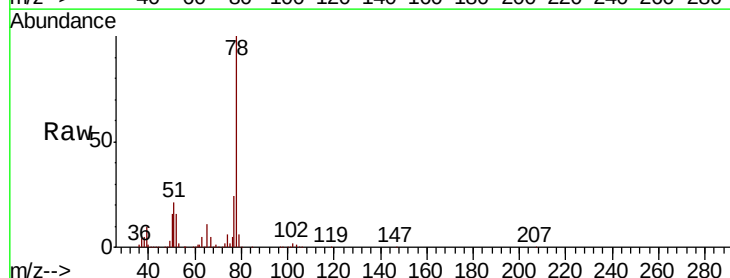
Manual Integrations
APPROVED

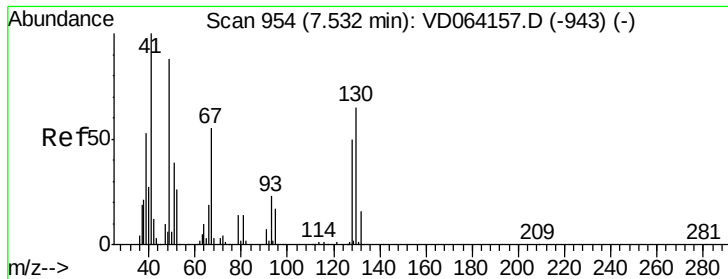
apatel
11/27/2019 5:13:59 PM



#40
Benzene
Concen: 50.891 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD064375.D
Acq: 26 Nov 2019 10:42

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	18.6	28.0





#41

Methacrylonitrile

Concen: 45.400 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD064375.D

Acq: 26 Nov 2019 10:42

Instrument :

MSVOA_D

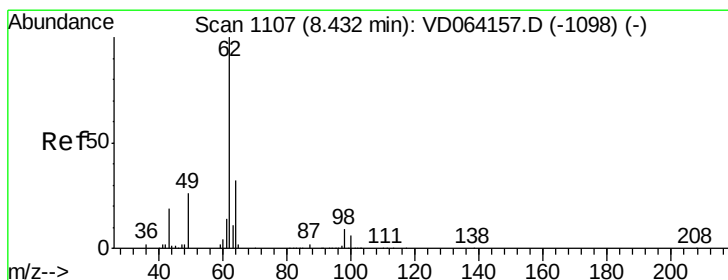
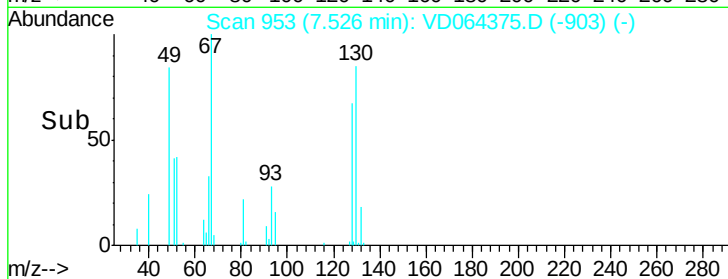
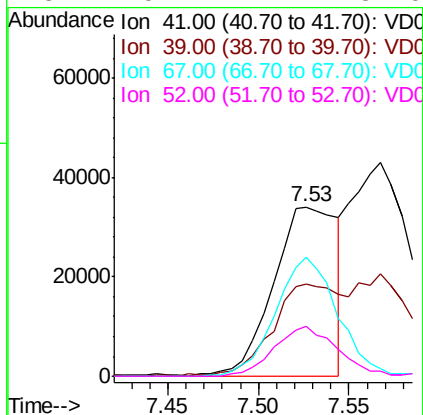
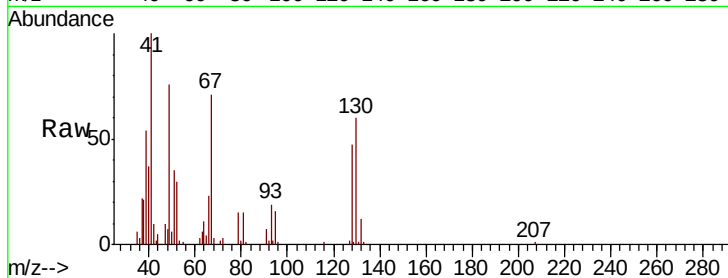
ClientSampleId :

VSTDCCC050

Tot Ion:	41	Resp:	83629
Ion	Ratio	Lower	Upper
41	100		
39	61.6	49.4	74.2
67	68.9	49.6	74.4
52	29.4	21.4	32.0

Manual Integrations
APPROVED

apatel
11/27/2019 5:13:59 PM



#42

1,2-Dichloroethane

Concen: 47.182 ug/l

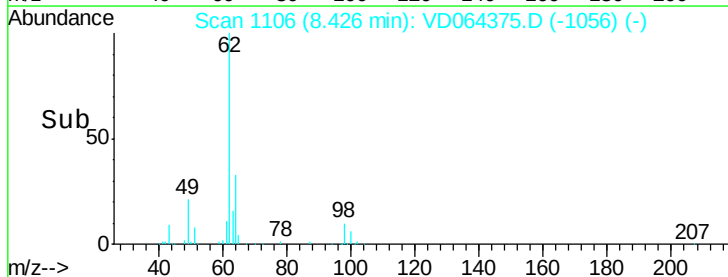
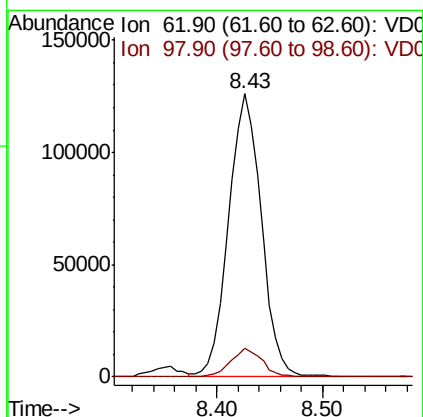
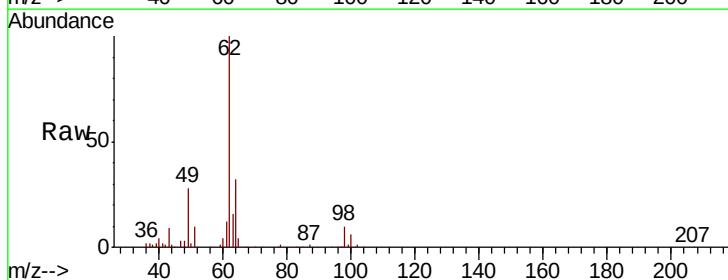
RT: 8.43 min Scan# 1106

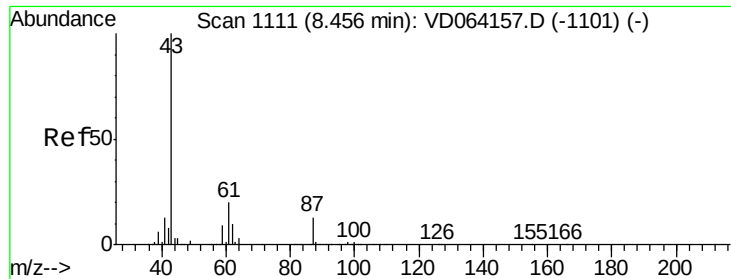
Delta R.T. -0.01 min

Lab File: VD064375.D

Acq: 26 Nov 2019 10:42

Tgt Ion:	62	Resp:	269235
Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	19.0





#43

Isopropyl Acetate

Concen: 43.695 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD064375.D

Acq: 26 Nov 2019 10:42

Instrument :

MSVOA_D

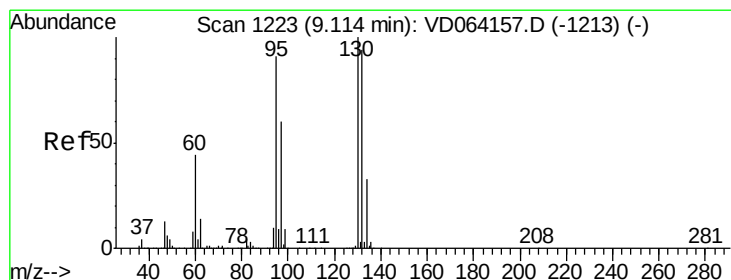
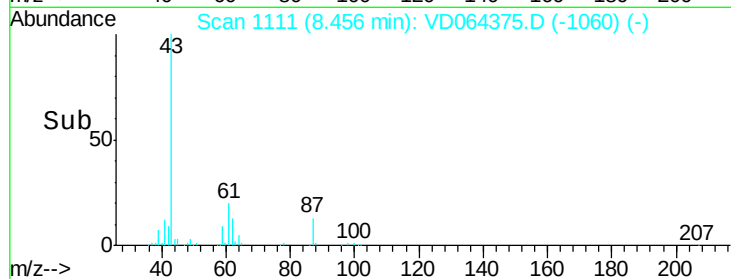
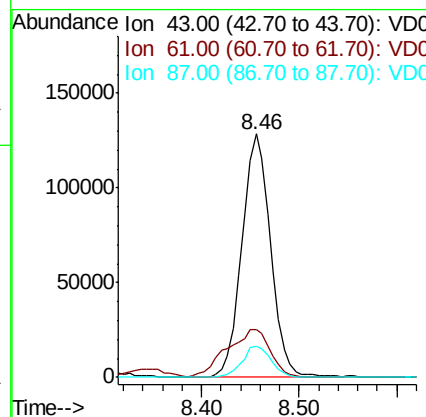
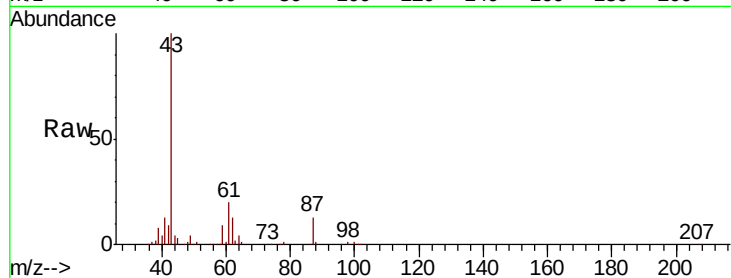
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	263851
Ion	Ratio	Lower	Upper
43	100		
61	29.8	22.9	34.3
87	12.8	10.2	15.2

Manual Integrations
APPROVED

apatel
11/27/2019 5:13:59 PM



#44

Trichloroethene

Concen: 51.807 ug/l

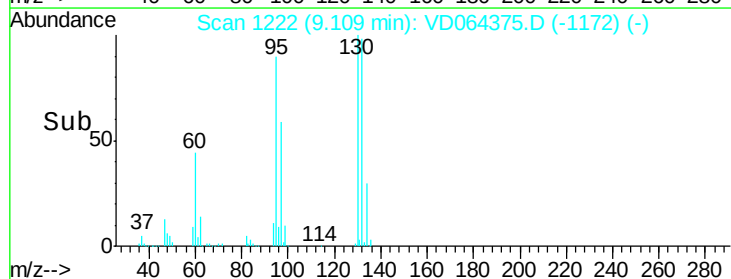
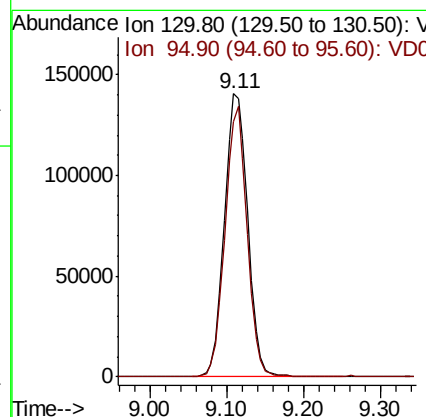
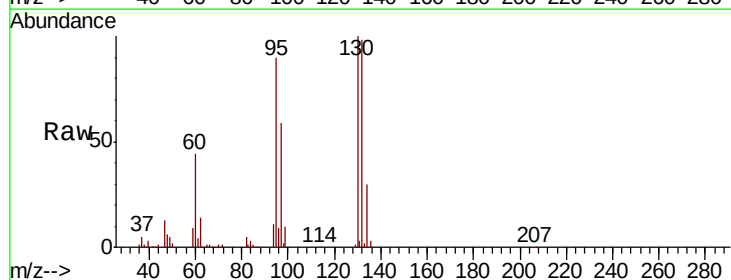
RT: 9.11 min Scan# 1222

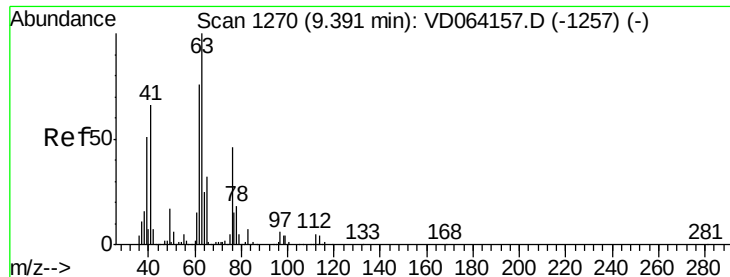
Delta R.T. -0.01 min

Lab File: VD064375.D

Acq: 26 Nov 2019 10:42

Tgt Ion:	130	Resp:	295427
Ion	Ratio	Lower	Upper
130	100		
95	90.4	0.0	181.6





#45

1,2-Dichloropropane

Concen: 49.996 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VD064375.D

Acq: 26 Nov 2019 10:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 231203

Ion Ratio Lower Upper

63 100

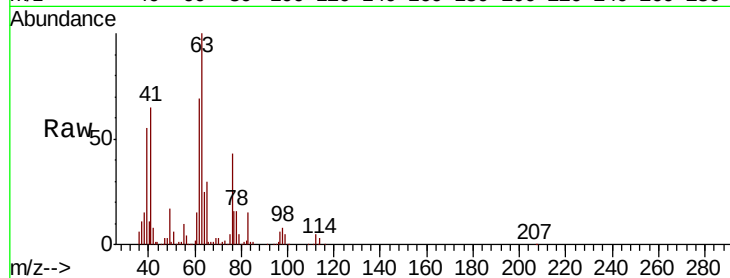
65 30.4 25.7 38.5

Manual Integrations

APPROVED

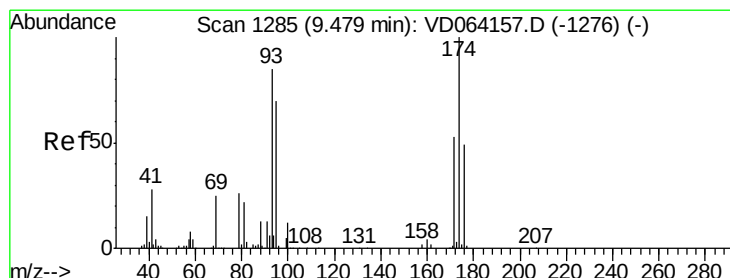
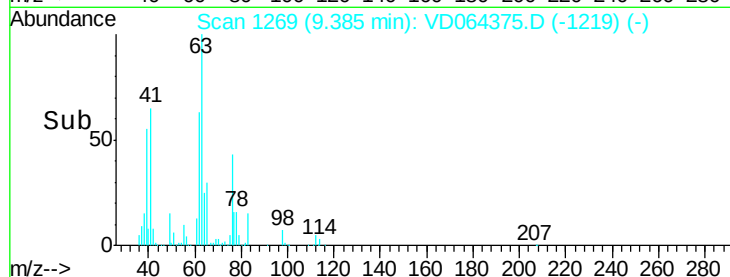
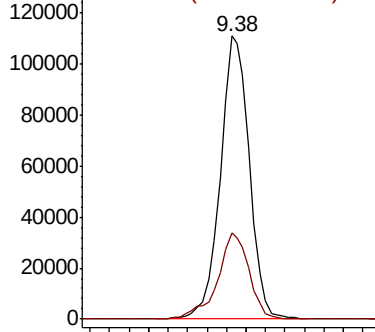
apatel

11/27/2019 5:13:59 PM



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 49.742 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.01 min

Lab File: VD064375.D

Acq: 26 Nov 2019 10:42

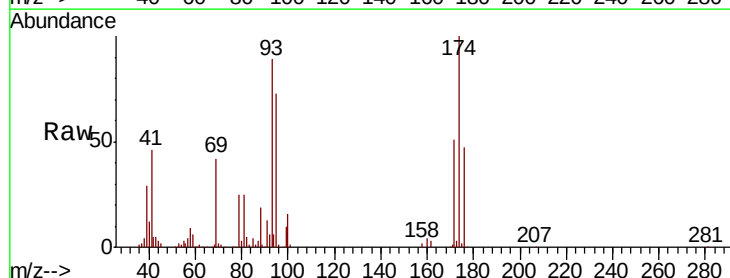
Tgt Ion: 93 Resp: 123148

Ion Ratio Lower Upper

93 100

95 83.0 65.5 98.3

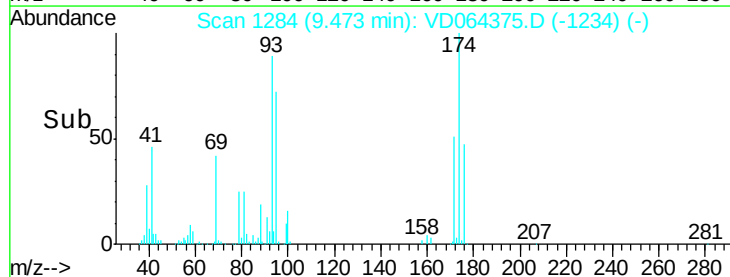
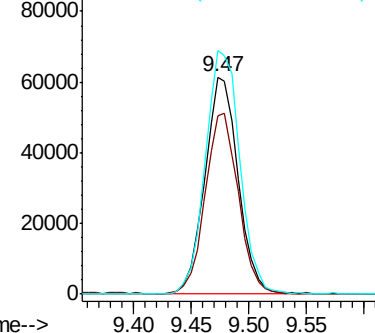
174 116.1 93.9 140.9

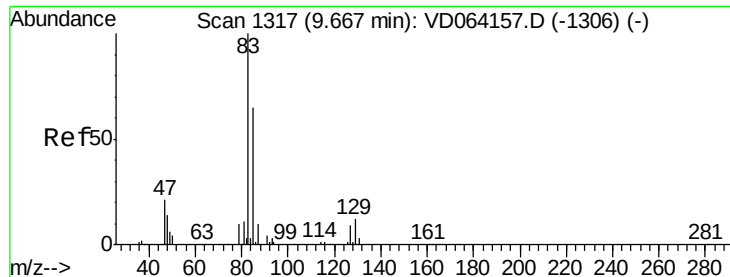


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): VDC





#47

Bromodichloromethane

Concen: 50.512 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064375.D

Acq: 26 Nov 2019 10:42

Instrument :

MSVOA_D

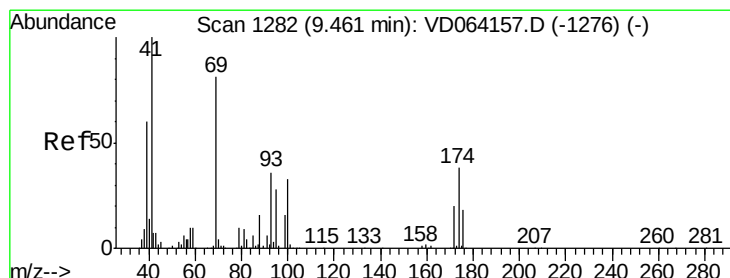
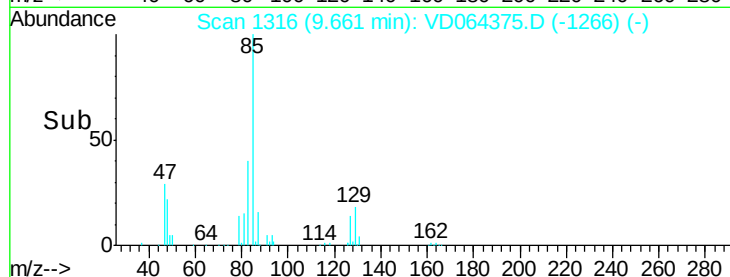
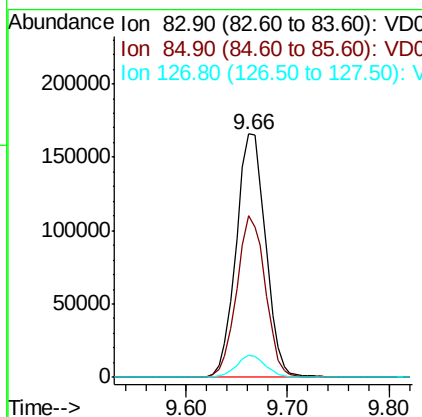
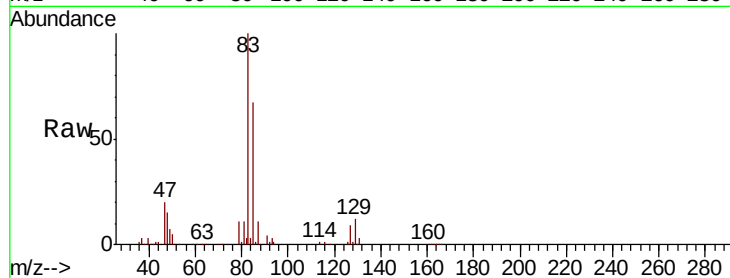
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	336846
Ion	Ratio	Lower	Upper
83	100		
85	66.5	52.2	78.4
127	9.1	7.5	11.3

Manual Integrations
APPROVED

apatel
11/27/2019 5:13:59 PM



#48

Methyl methacrylate

Concen: 41.443 ug/l

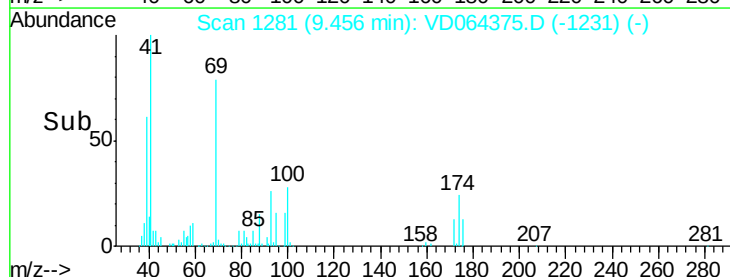
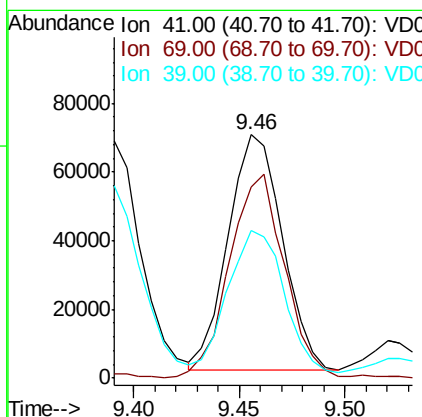
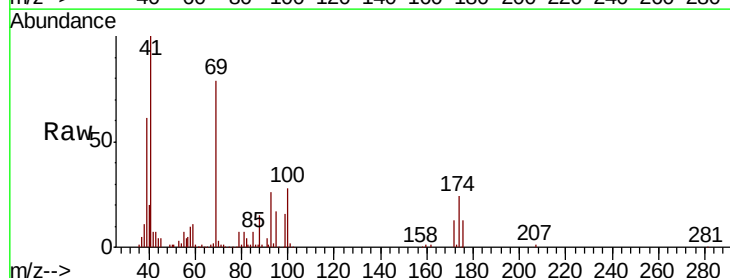
RT: 9.46 min Scan# 1281

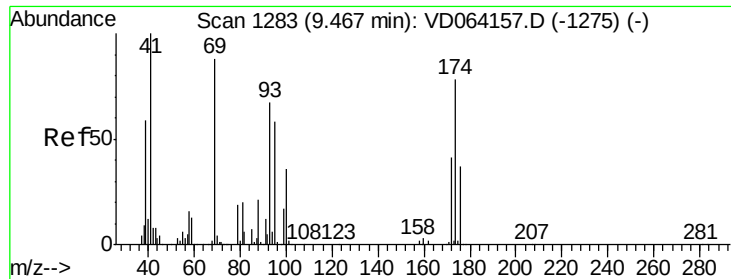
Delta R.T. -0.01 min

Lab File: VD064375.D

Acq: 26 Nov 2019 10:42

Tgt Ion:	41	Resp:	122368
Ion	Ratio	Lower	Upper
41	100		
69	87.2	64.6	97.0
39	62.1	48.2	72.2





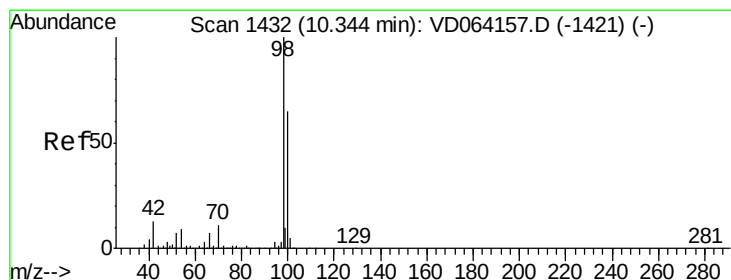
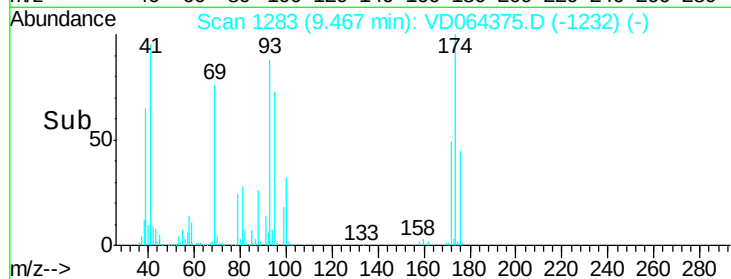
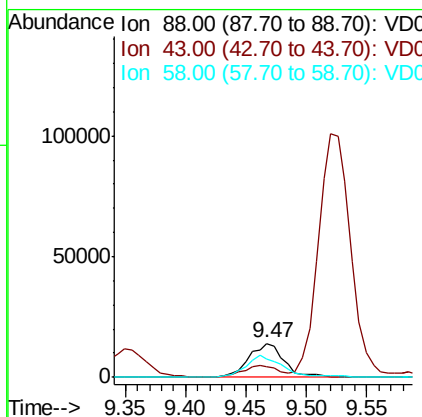
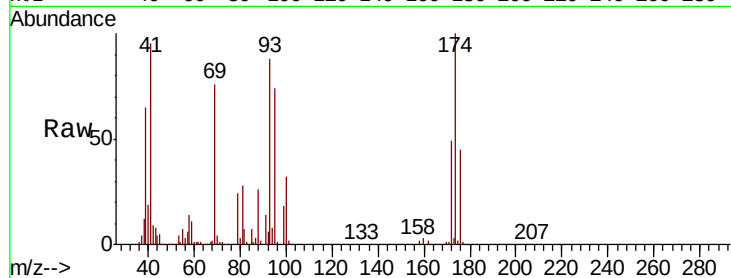
#49
1,4-Dioxane
Concen: 961.913 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD064375.D
Acq: 26 Nov 2019 10:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.0	29.8	44.8
58	64.5	58.1	87.1

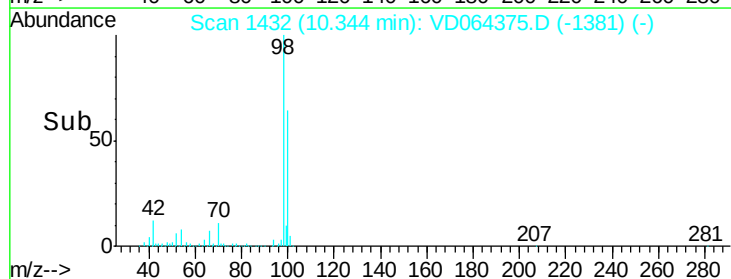
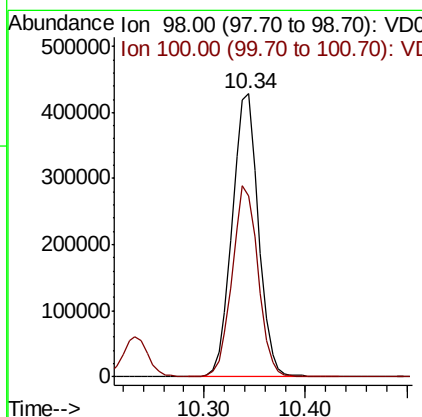
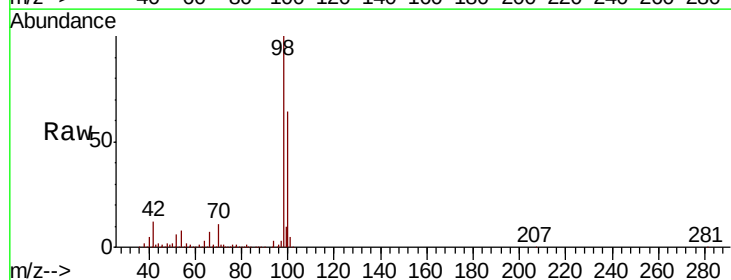
Manual Integrations
APPROVED

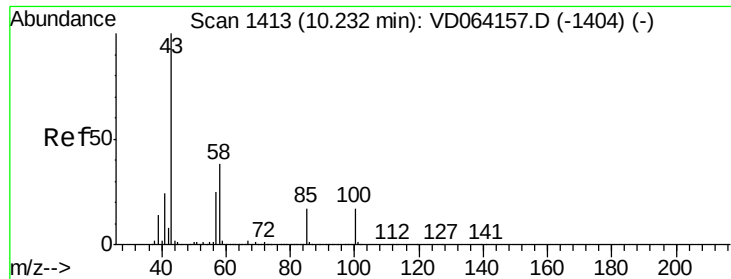
apatel
11/27/2019 5:13:59 PM



#50
Toluene-d8
Concen: 47.340 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064375.D
Acq: 26 Nov 2019 10:42

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.5	52.6	78.8





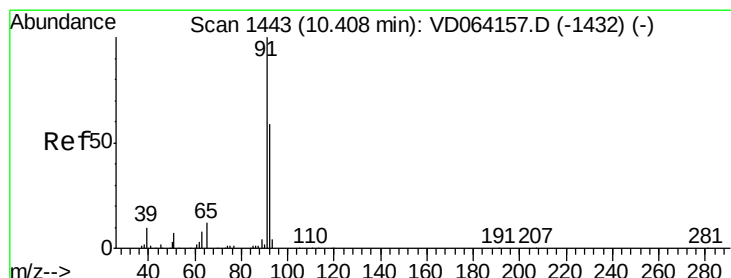
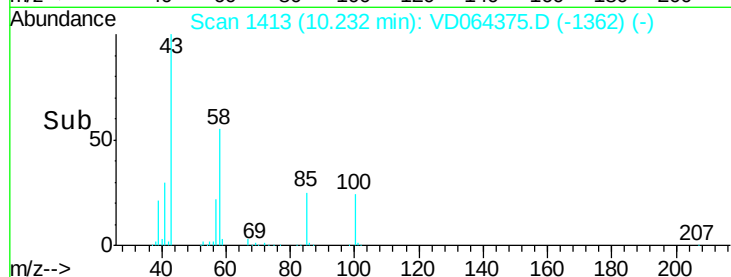
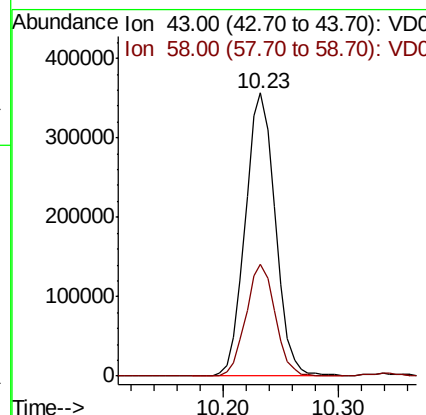
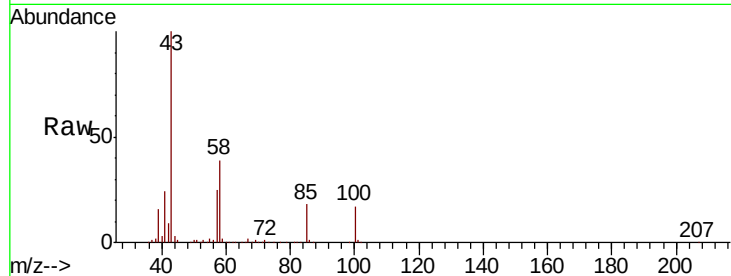
#51
4-Methyl-2-Pentanone
Concen: 223.028 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD064375.D
Acq: 26 Nov 2019 10:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.6	30.2	45.4

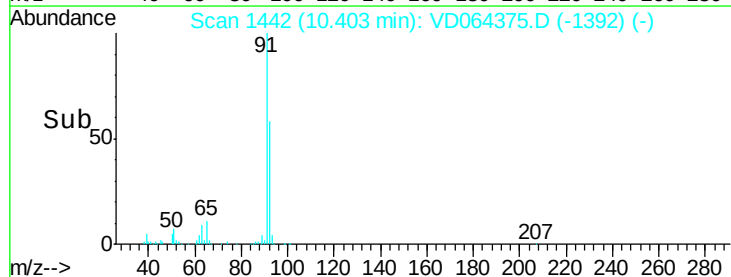
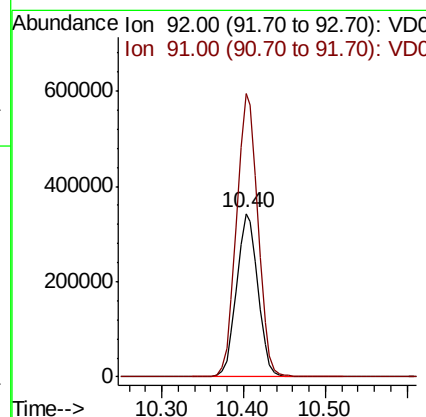
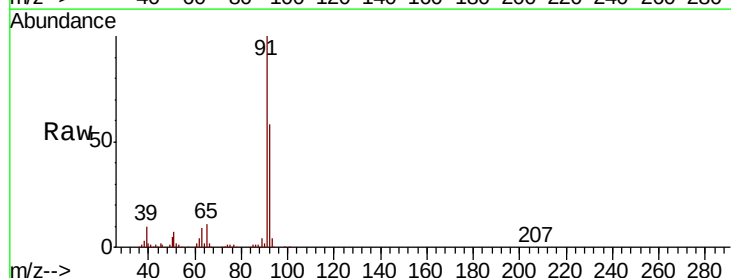
Manual Integrations
APPROVED

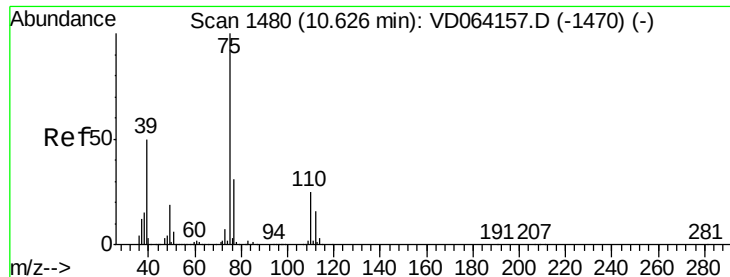
apatel
11/27/2019 5:13:59 PM



#52
Toluene
Concen: 49.924 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. -0.01 min
Lab File: VD064375.D
Acq: 26 Nov 2019 10:42

Tgt Ion	Ratio	Lower	Upper
92	100		
91	174.0	136.4	204.6





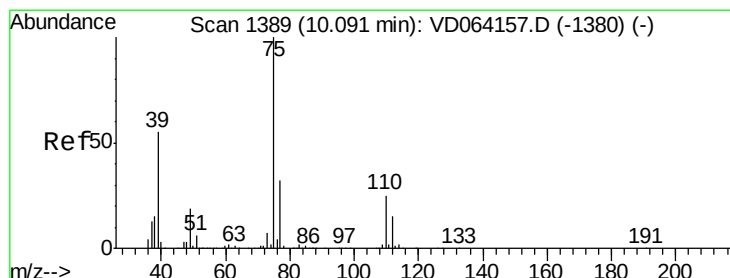
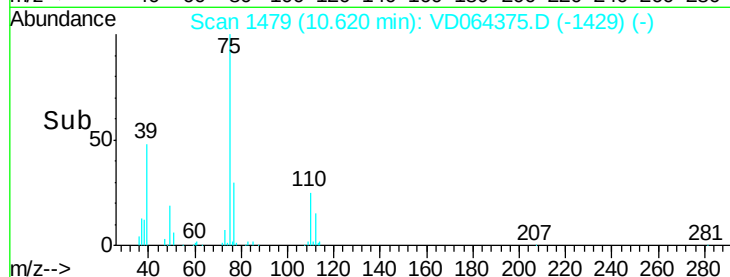
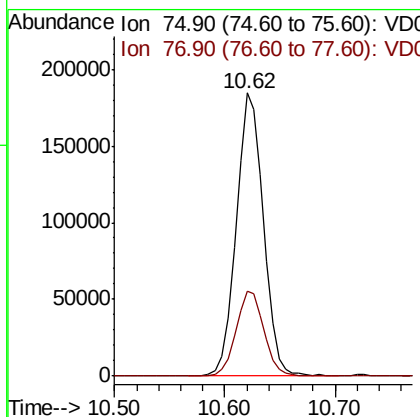
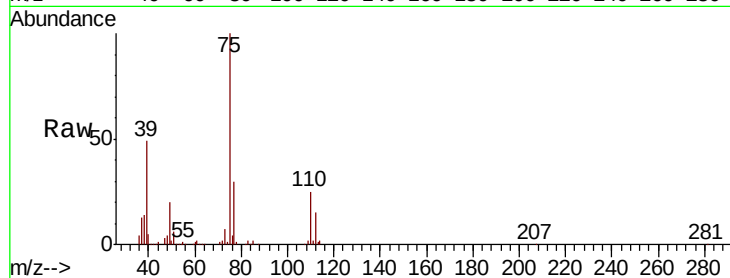
#53
 t-1,3-Dichloropropene
 Concen: 47.590 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. -0.01 min
 Lab File: VD064375.D
 Acq: 26 Nov 2019 10:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 317949
 Ion Ratio Lower Upper
 75 100
 77 29.9 24.7 37.1

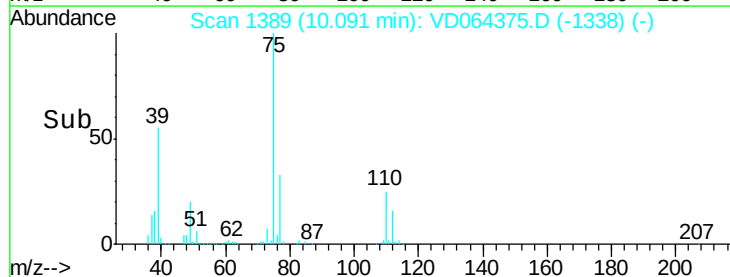
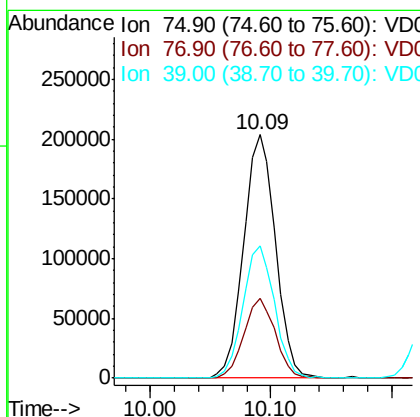
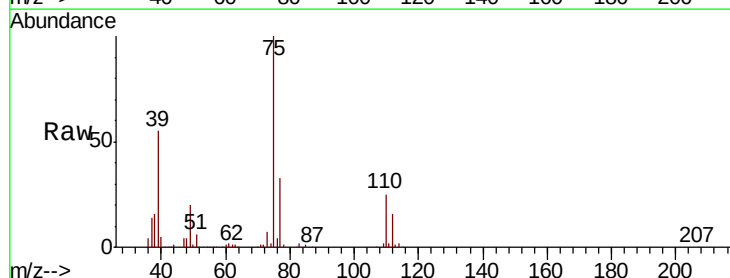
Manual Integrations
 APPROVED

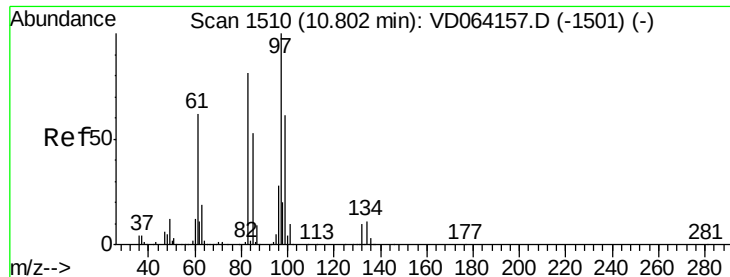
apatel
 11/27/2019 5:13:59 PM



#54
 cis-1,3-Dichloropropene
 Concen: 48.171 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. 0.00 min
 Lab File: VD064375.D
 Acq: 26 Nov 2019 10:42

Tgt Ion: 75 Resp: 375546
 Ion Ratio Lower Upper
 75 100
 77 32.6 25.2 37.8
 39 54.4 44.2 66.2





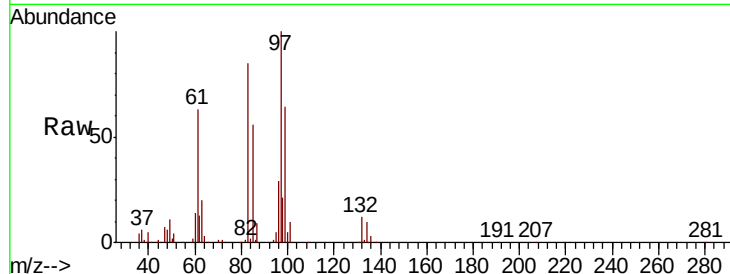
#55
 1,1,2-Trichloroethane
 Concen: 50.278 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064375.D
 Acq: 26 Nov 2019 10:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

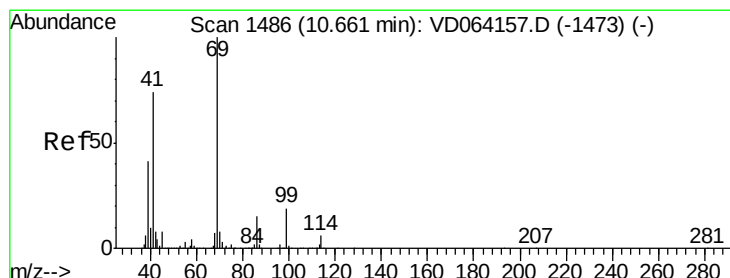
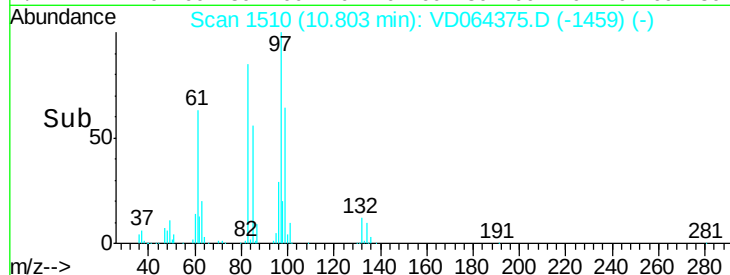
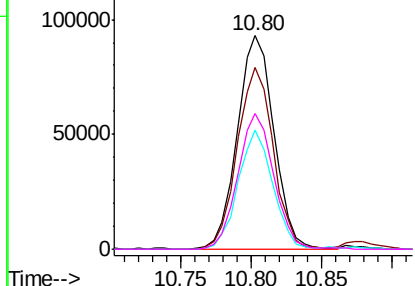
Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		168858		
83	85.1	65.1	97.7		
85	55.7	42.0	63.0		
99	63.8	48.9	73.3		

Manual Integrations
 APPROVED

apatel
 11/27/2019 5:13:59 PM

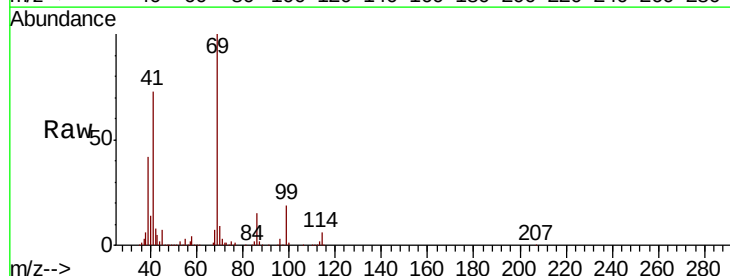


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

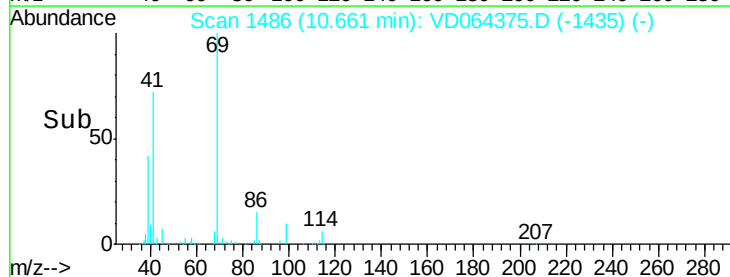
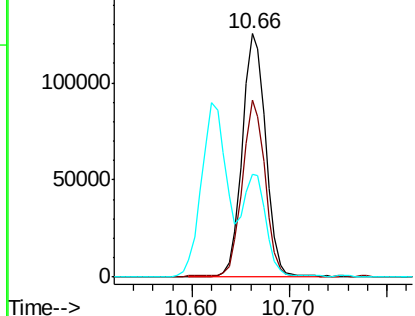


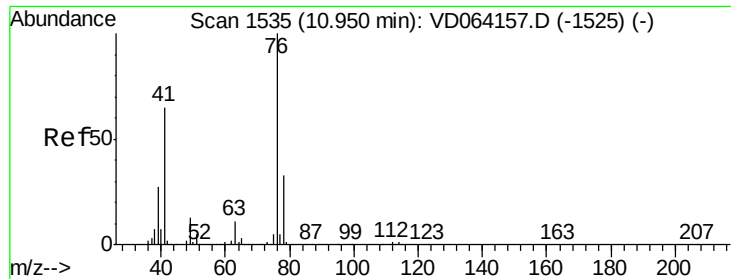
#56
 Ethyl methacrylate
 Concen: 44.897 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD064375.D
 Acq: 26 Nov 2019 10:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		210934		
41	69.1	57.9	86.9		
39	41.6	29.0	43.4		



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.00 (40.70 to 41.70): VDC
 Ion 39.00 (38.70 to 39.70): VDC





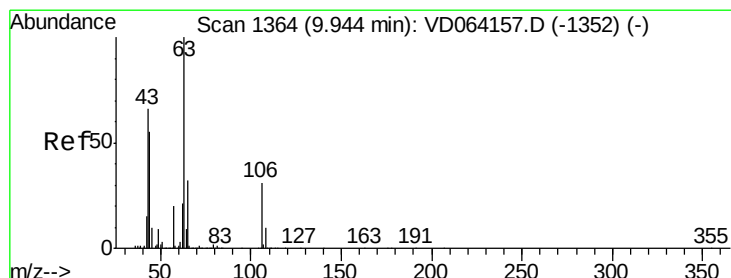
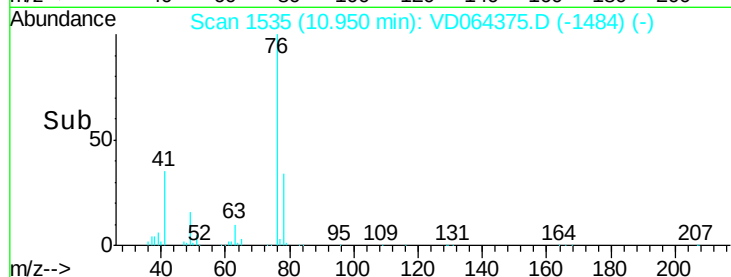
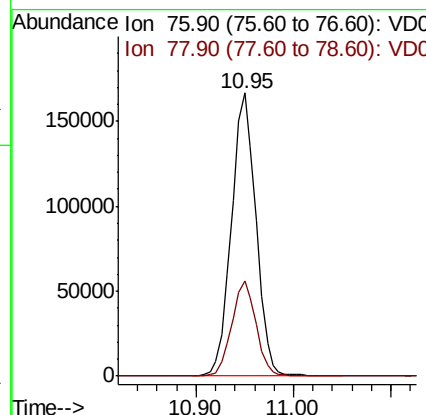
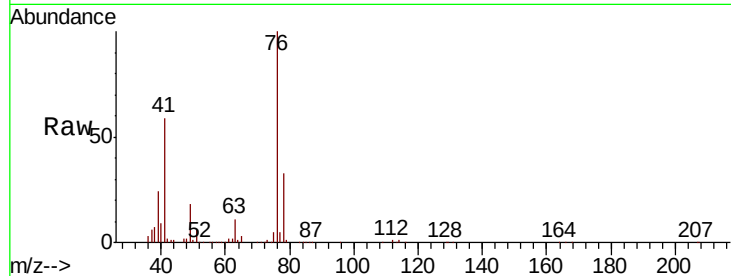
#57
 1,3-Dichloropropane
 Concen: 49.599 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064375.D
 Acq: 26 Nov 2019 10:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.2	26.2	39.4

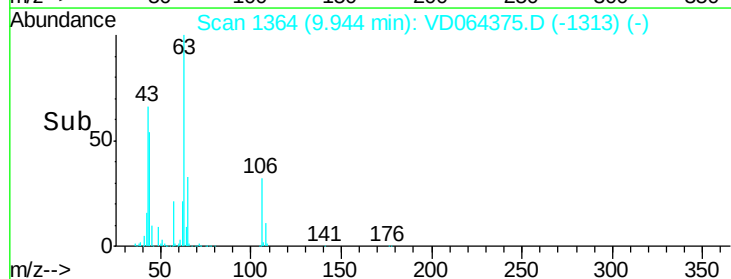
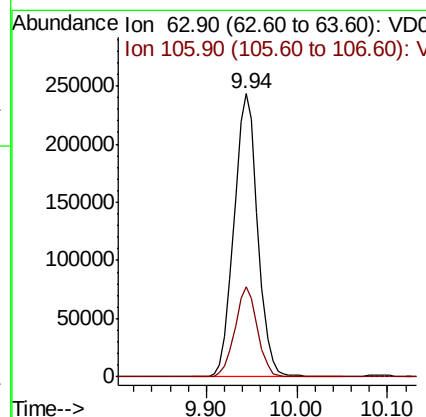
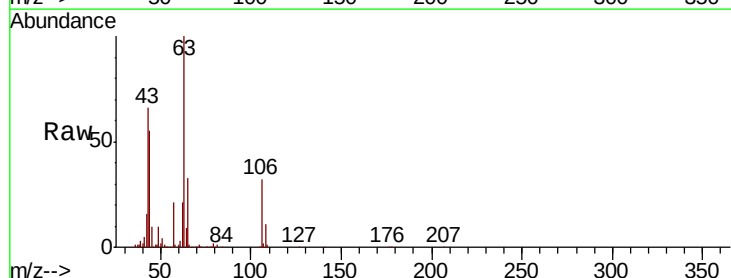
Manual Integrations
 APPROVED

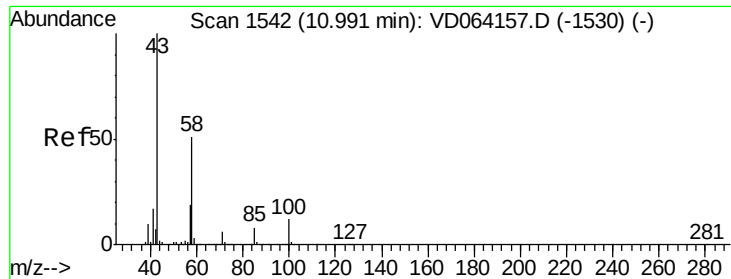
apatel
 11/27/2019 5:13:59 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 231.709 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064375.D
 Acq: 26 Nov 2019 10:42

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.2	24.1	36.1





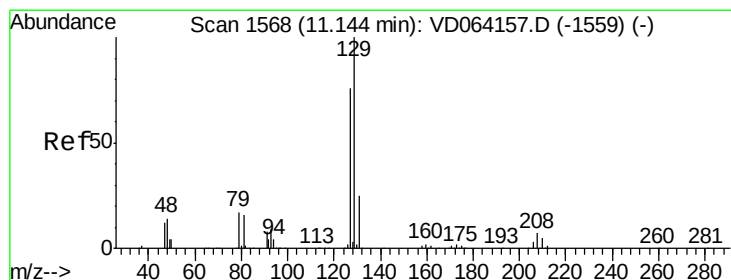
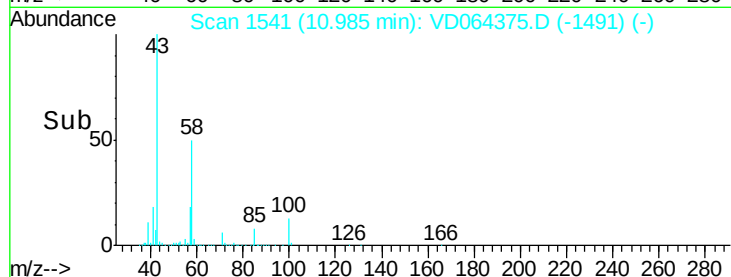
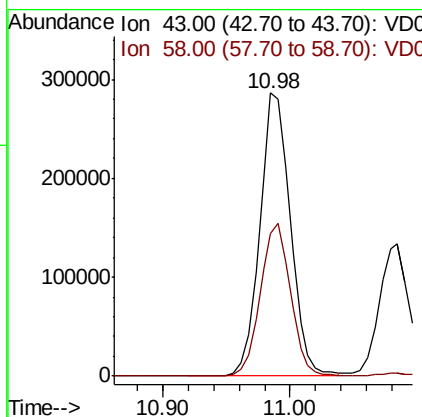
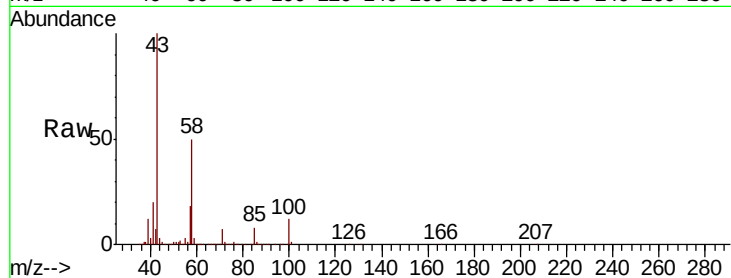
#59
2-Hexanone
Concen: 233.448 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD064375.D
Acq: 26 Nov 2019 10:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 480940
Ion Ratio Lower Upper
43 100
58 53.4 25.9 77.7

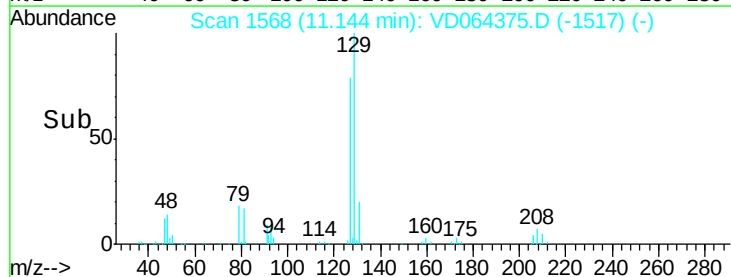
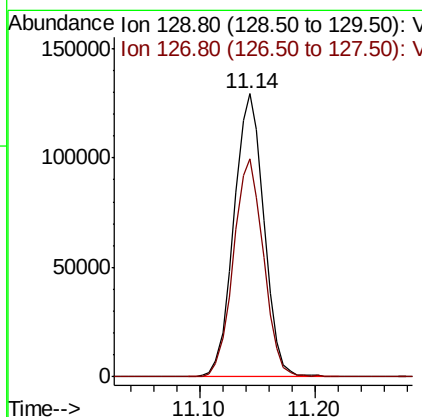
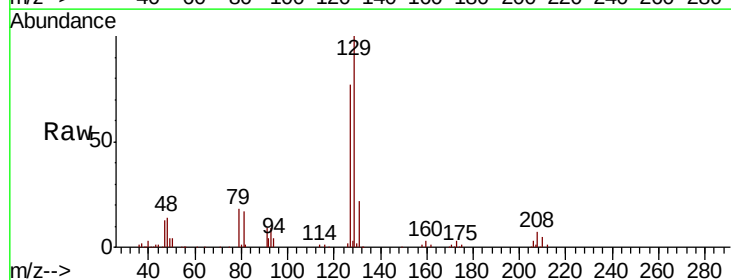
Manual Integrations
APPROVED

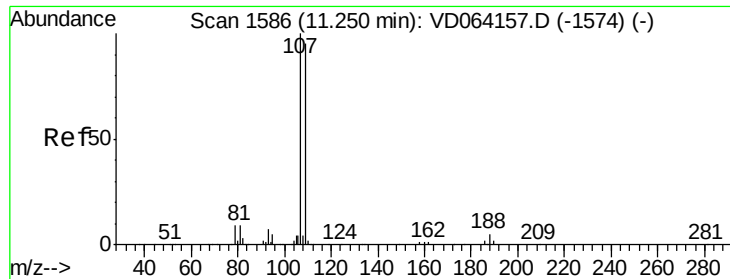
apatel
11/27/2019 5:13:59 PM



#60
Dibromochloromethane
Concen: 49.672 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064375.D
Acq: 26 Nov 2019 10:42

Tgt Ion: 129 Resp: 232783
Ion Ratio Lower Upper
129 100
127 77.4 38.6 115.8





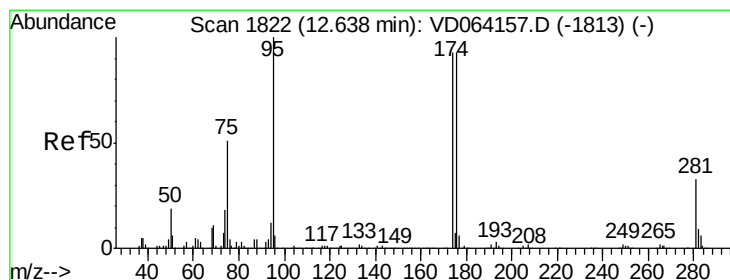
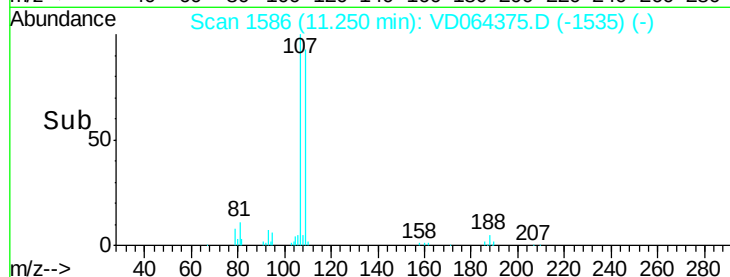
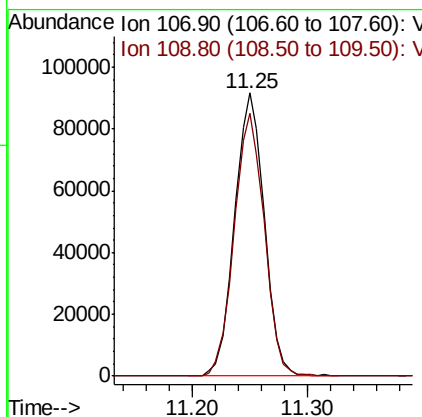
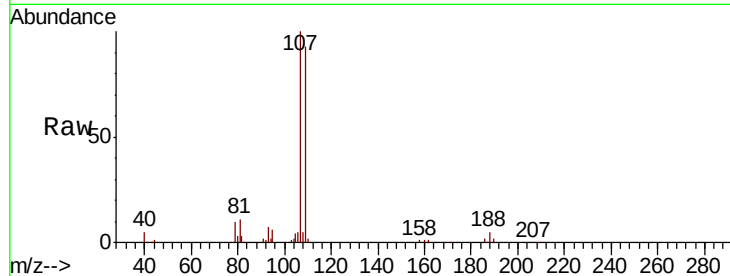
#61
 1,2-Dibromoethane
 Concen: 48.484 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064375.D
 Acq: 26 Nov 2019 10:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	163094		
109	94.1	75.1	112.7	

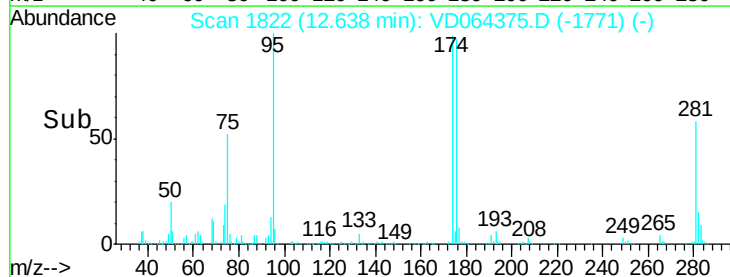
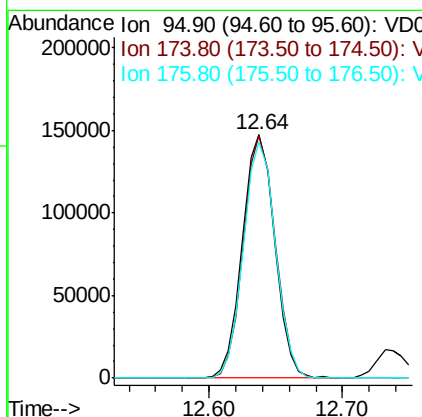
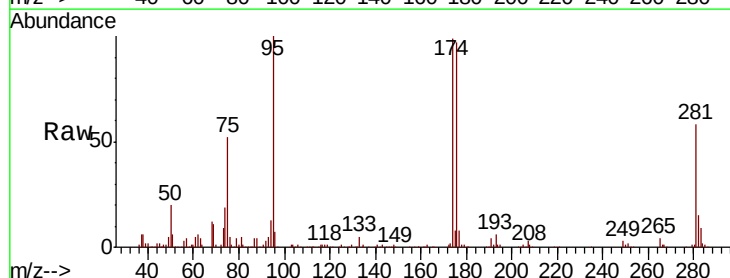
Manual Integrations
 APPROVED

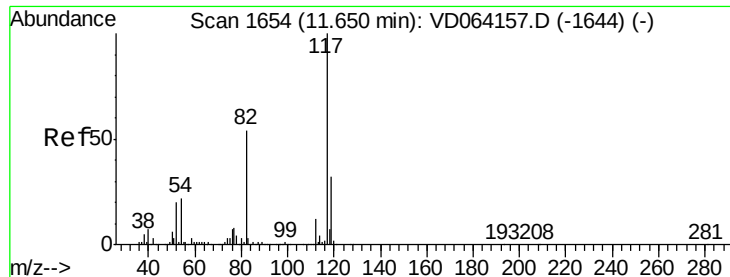
apatel
 11/27/2019 5:13:59 PM



#62
 4-Bromofluorobenzene
 Concen: 43.643 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064375.D
 Acq: 26 Nov 2019 10:42

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	246524		
174	97.9	0.0	183.6	
176	96.3	0.0	180.2	





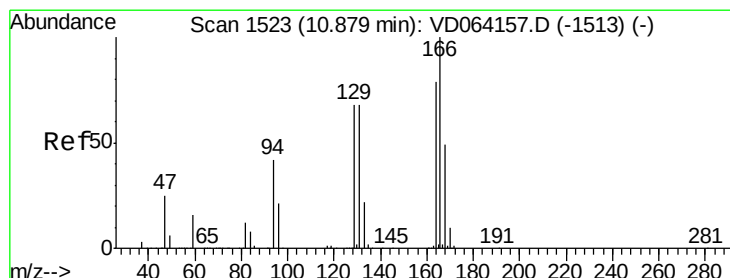
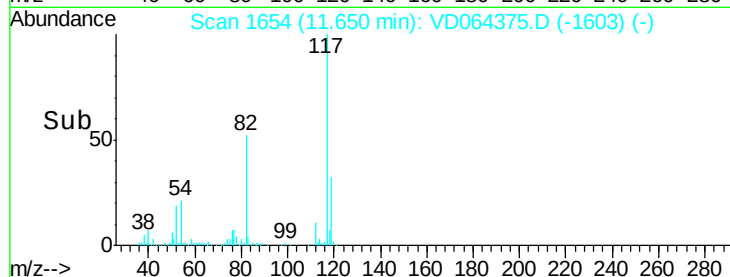
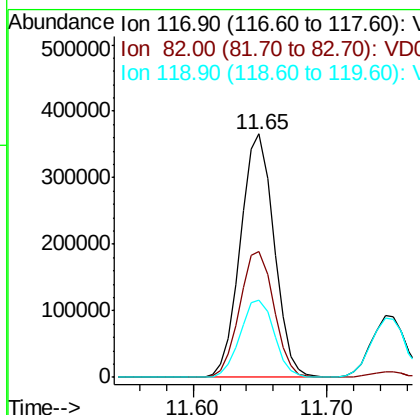
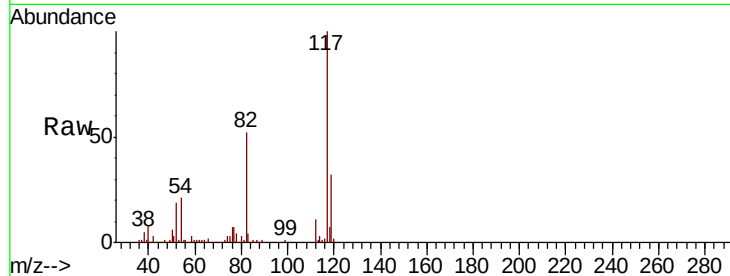
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064375.D
Acq: 26 Nov 2019 10:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.7	42.8	64.2
119	31.8	25.6	38.4

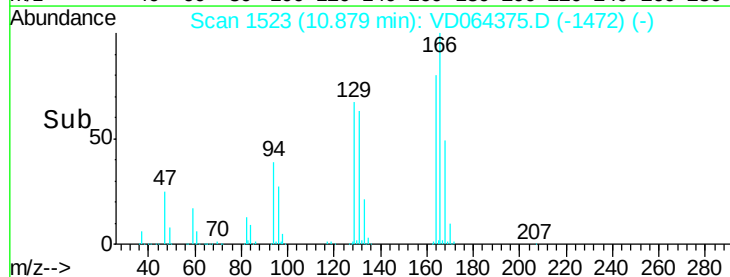
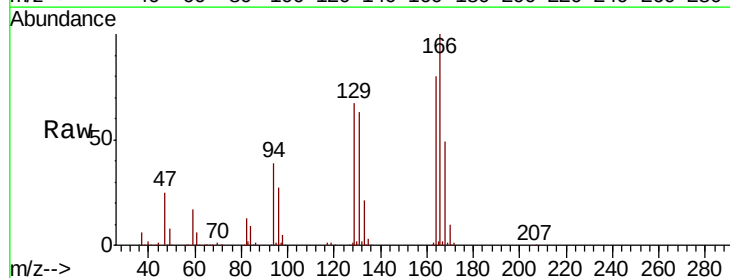
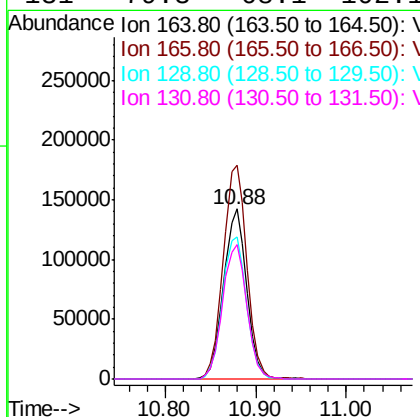
Manual Integrations
APPROVED

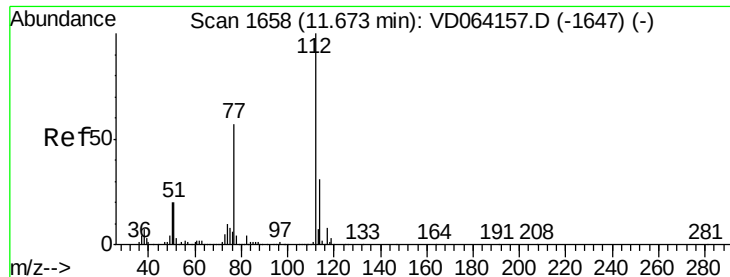
apatel
11/27/2019 5:13:59 PM



#64
Tetrachloroethene
Concen: 51.030 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064375.D
Acq: 26 Nov 2019 10:42

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.6	100.8	151.2
129	83.7	68.7	103.1
131	79.3	68.1	102.1





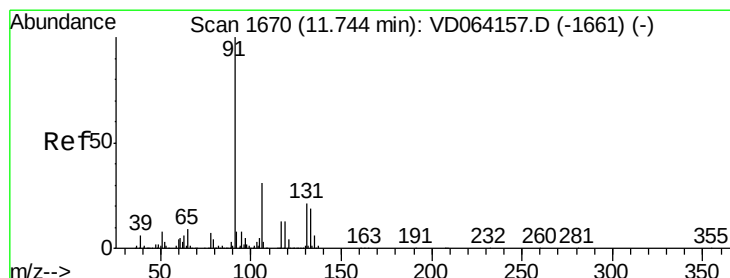
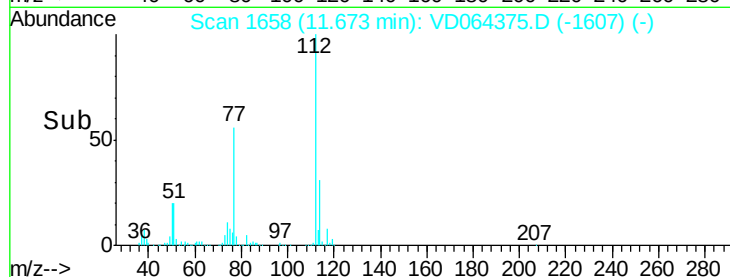
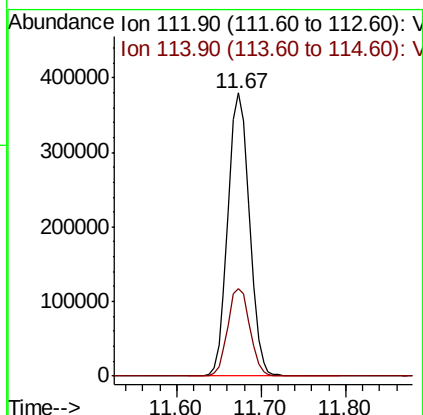
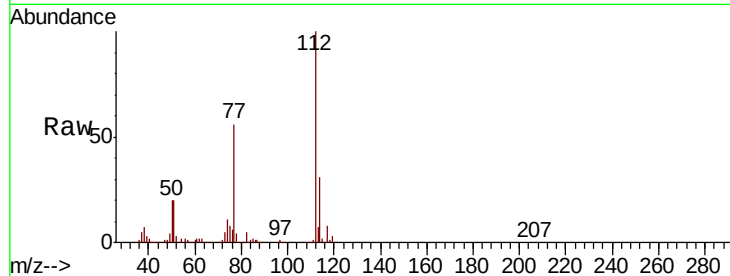
#65
Chlorobenzene
Concen: 51.115 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064375.D
Acq: 26 Nov 2019 10:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 664852
Ion Ratio Lower Upper
112 100
114 30.7 25.2 37.8

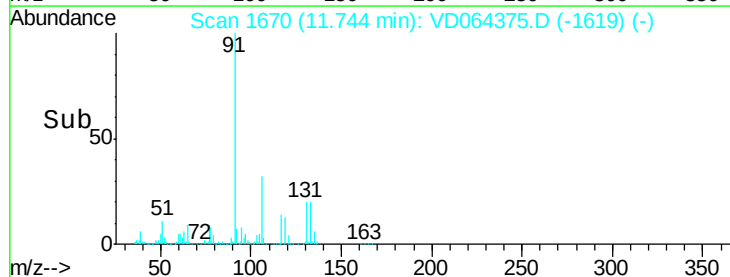
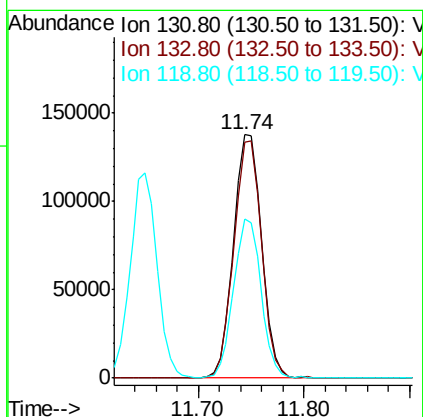
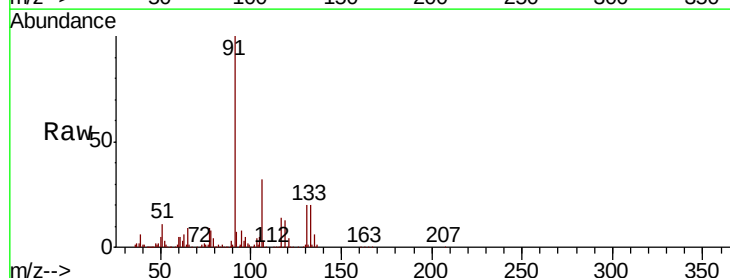
Manual Integrations
APPROVED

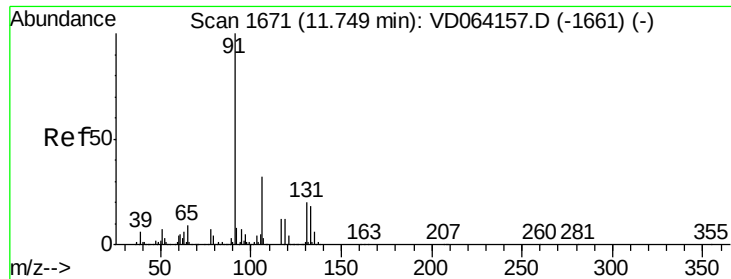
apatel
11/27/2019 5:13:59 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.129 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD064375.D
Acq: 26 Nov 2019 10:42

Tgt Ion:131 Resp: 252876
Ion Ratio Lower Upper
131 100
133 96.3 47.3 141.9
119 64.3 31.1 93.3





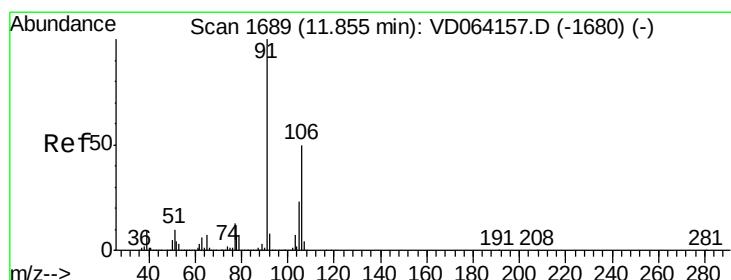
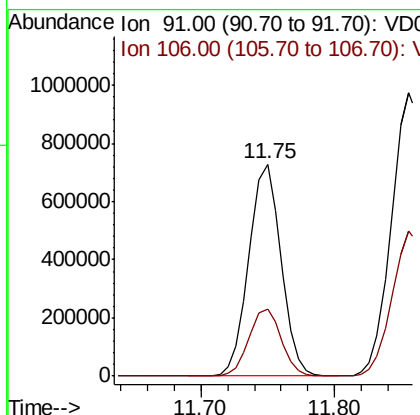
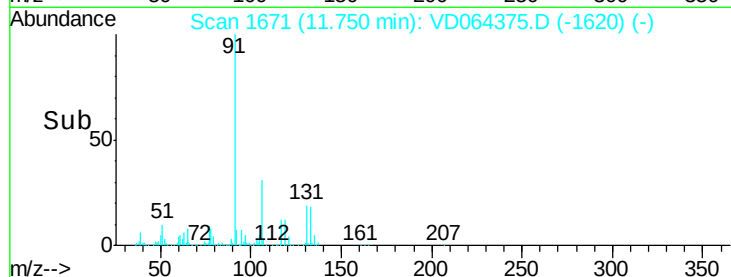
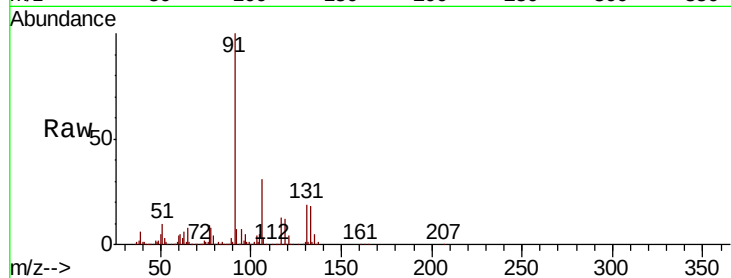
#67
Ethyl Benzene
Concen: 51.652 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064375.D
Acq: 26 Nov 2019 10:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1215250
Ion Ratio Lower Upper
91 100
106 31.4 25.5 38.3

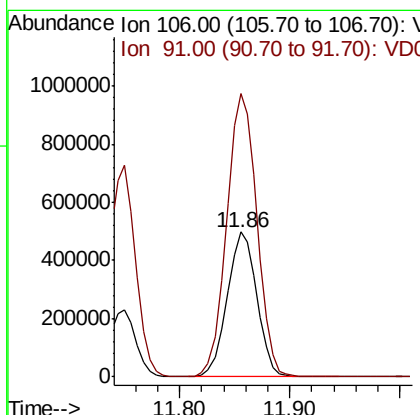
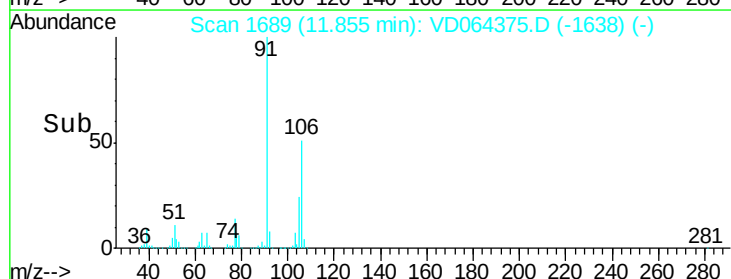
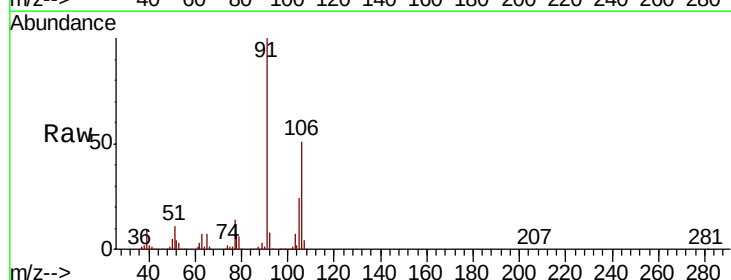
Manual Integrations
APPROVED

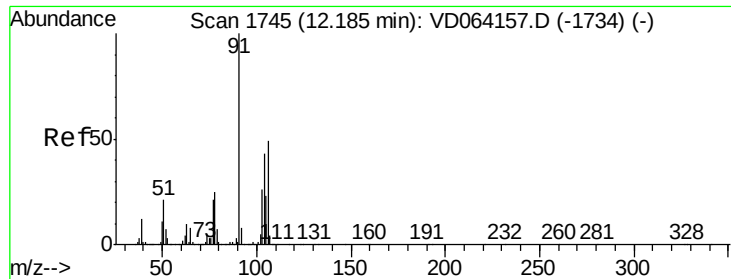
apatel
11/27/2019 5:13:59 PM



#68
m/p-Xylenes
Concen: 103.778 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD064375.D
Acq: 26 Nov 2019 10:42

Tgt Ion: 106 Resp: 935885
Ion Ratio Lower Upper
106 100
91 199.3 160.3 240.5





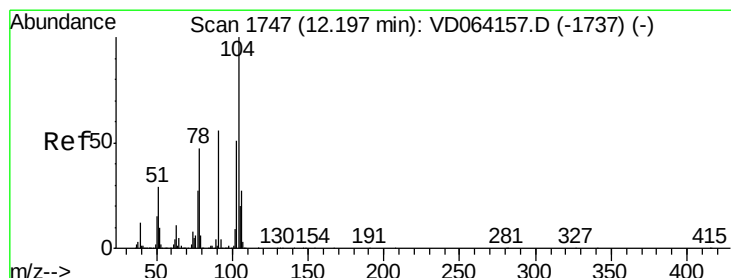
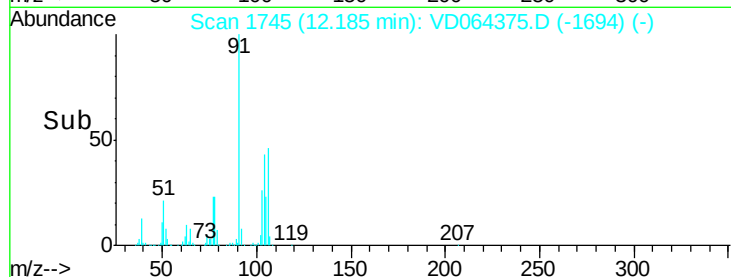
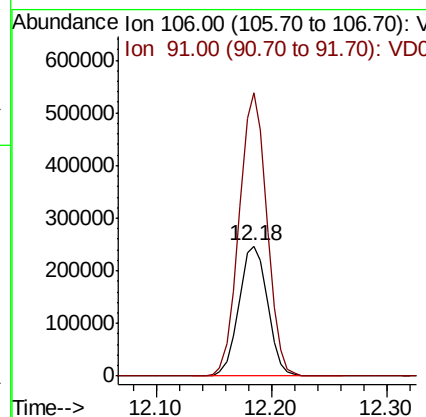
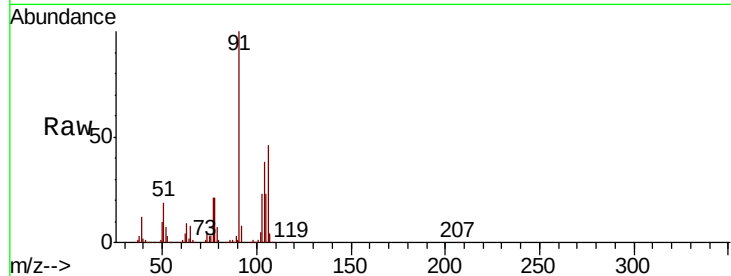
#69
o-Xylene
Concen: 50.660 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064375.D
Acq: 26 Nov 2019 10:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	211.4	105.1	315.3

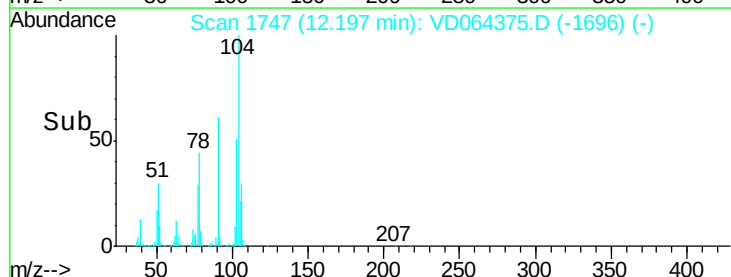
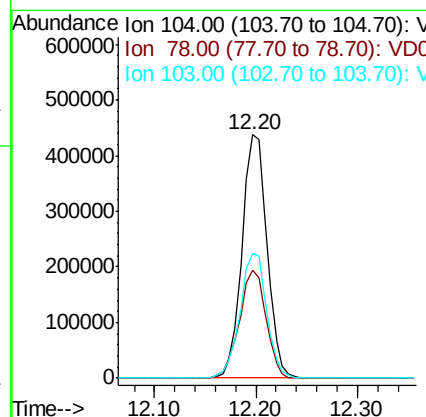
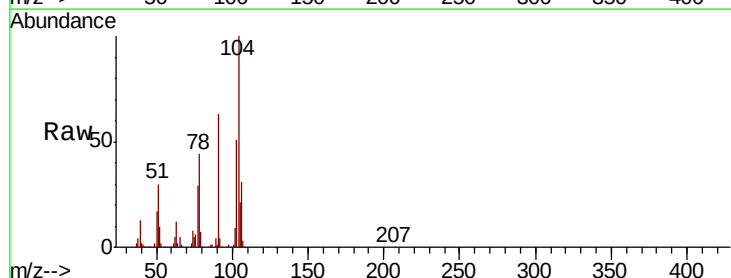
Manual Integrations
APPROVED

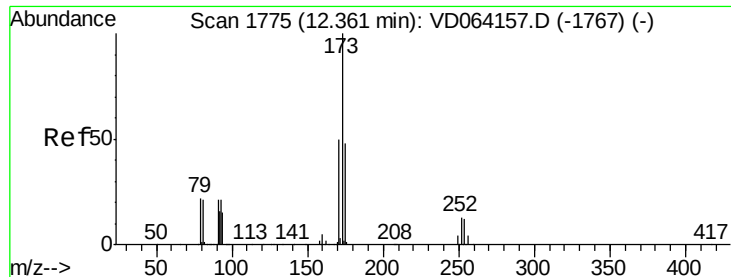
apatel
11/27/2019 5:13:59 PM



#70
Styrene
Concen: 51.354 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064375.D
Acq: 26 Nov 2019 10:42

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.4	39.9	59.9
103	54.5	43.4	65.0





#71

Bromoform

Concen: 49.362 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064375.D

Acq: 26 Nov 2019 10:42

Instrument :

MSVOA_D

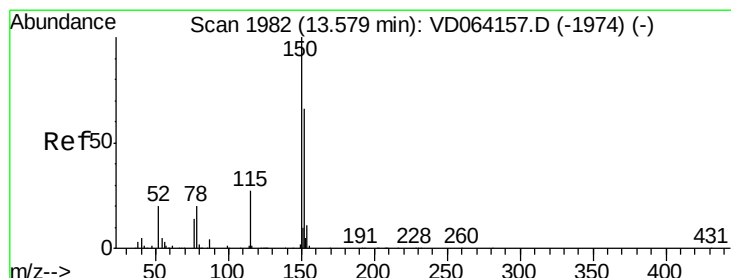
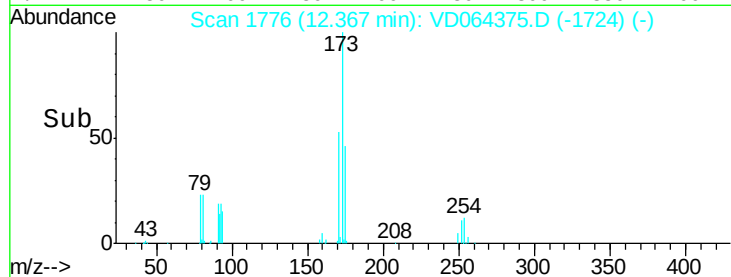
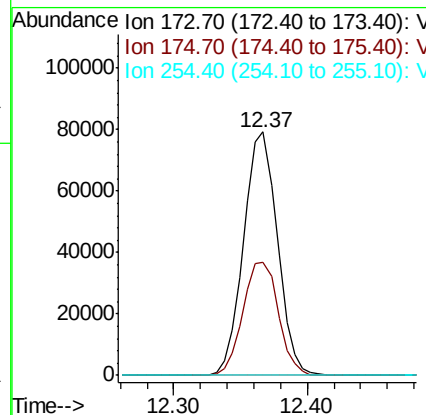
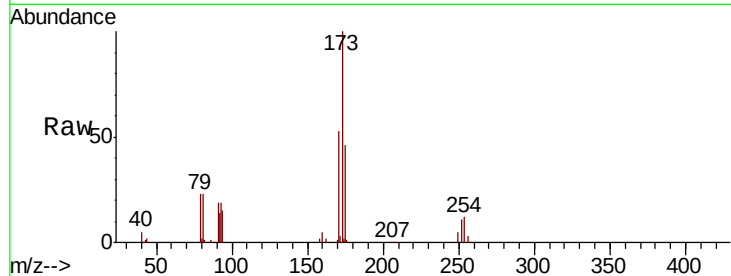
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.1	72.3
254	0.0	0.2	0.2

Manual Integrations
APPROVED

apatel
11/27/2019 5:13:59 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

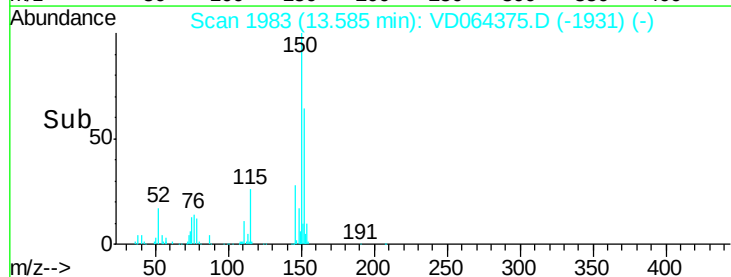
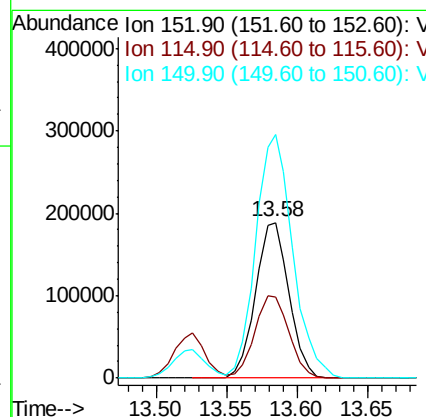
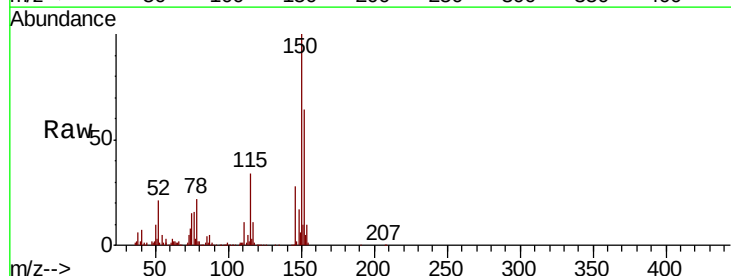
RT: 13.58 min Scan# 1983

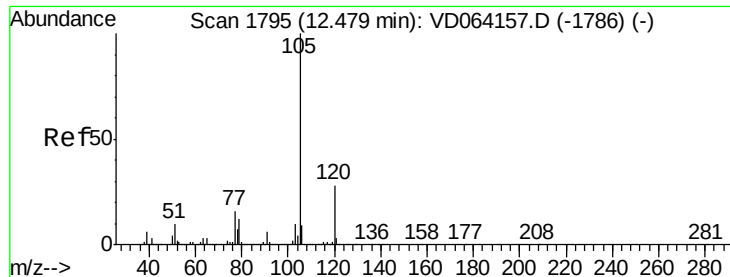
Delta R.T. 0.01 min

Lab File: VD064375.D

Acq: 26 Nov 2019 10:42

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.6	27.4	82.2
150	172.9	0.0	351.6





#73

Isopropylbenzene

Concen: 51.930 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD064375.D

Acq: 26 Nov 2019 10:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1197141

Ion Ratio Lower Upper

105 100

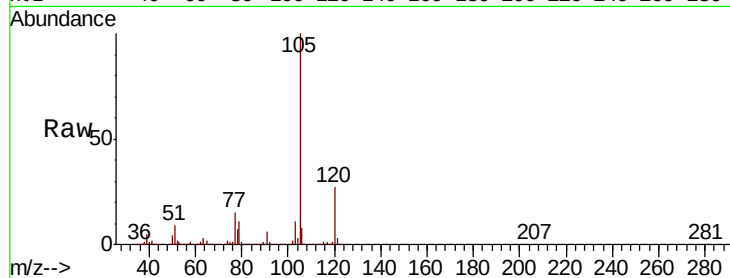
120 27.2 13.6 40.8

Manual Integrations

APPROVED

apatel

11/27/2019 5:13:59 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

800000

600000

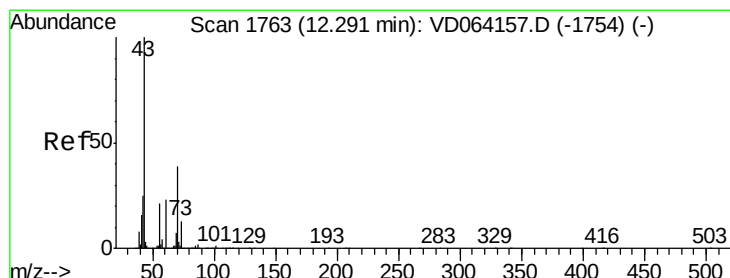
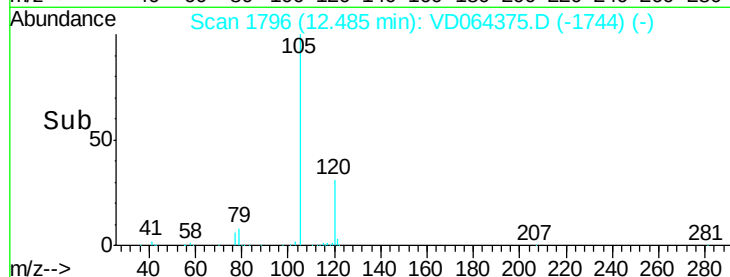
400000

200000

0

12.40 12.50

Time-->



#74

N-ethyl acetate

Concen: 43.240 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD064375.D

Acq: 26 Nov 2019 10:42

Tgt Ion: 43 Resp: 235394

Ion Ratio Lower Upper

43 100

70 40.9 32.4 48.6

55 24.3 17.9 26.9

61 23.5 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

200000

150000

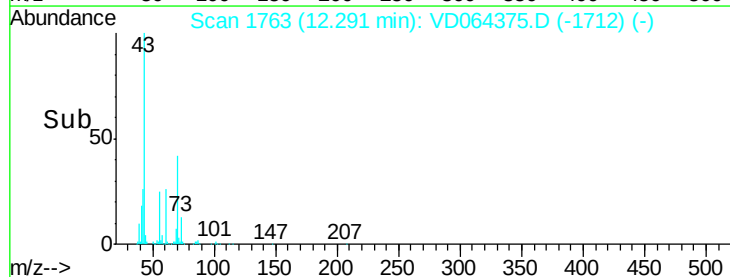
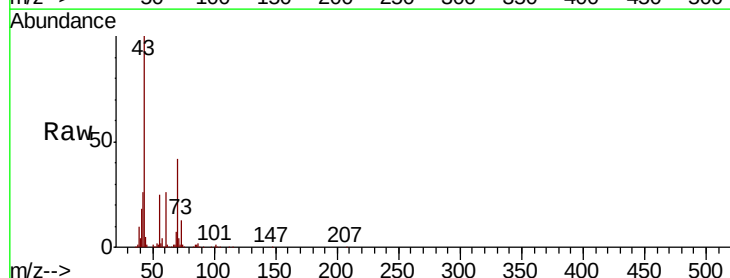
100000

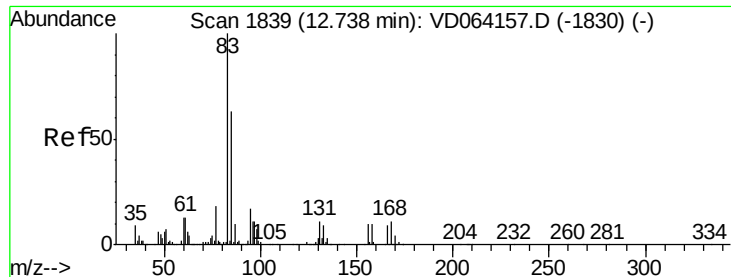
50000

0

12.20 12.30 12.40

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 50.275 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064375.D

Acq: 26 Nov 2019 10:42

Instrument :

MSVOA_D

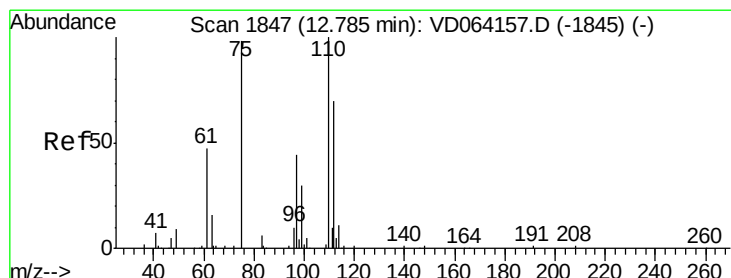
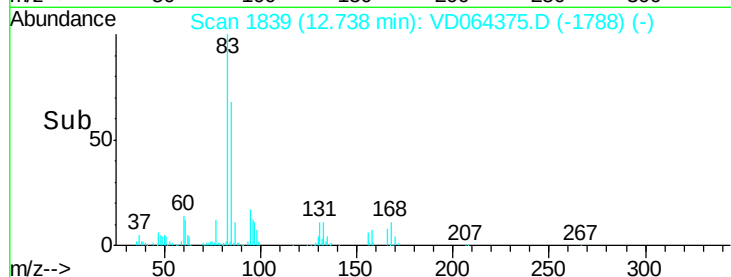
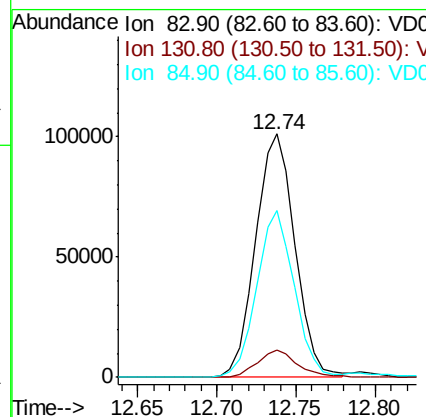
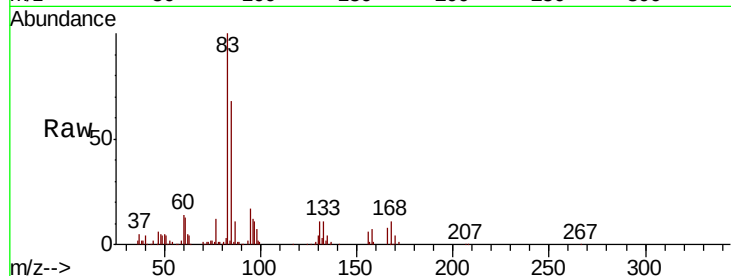
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	174640
Ion Ratio	Lower	Upper	
83	100		
131	11.4	5.9	17.7
85	65.4	32.5	97.5

Manual Integrations
APPROVED

apatel
11/27/2019 5:13:59 PM



#76

1,2,3-Trichloropropane

Concen: 41.811 ug/l m

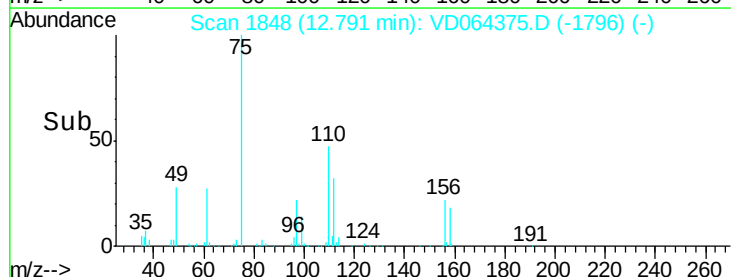
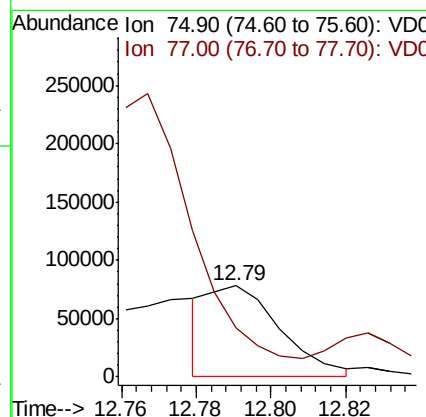
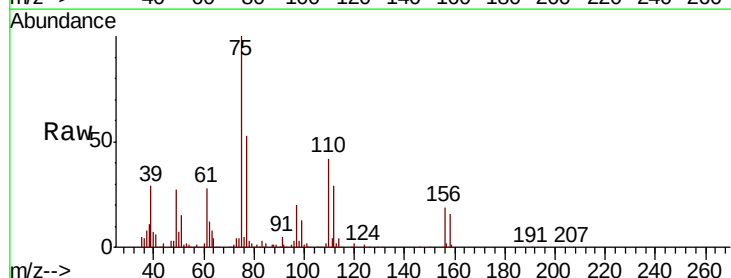
RT: 12.79 min Scan# 1848

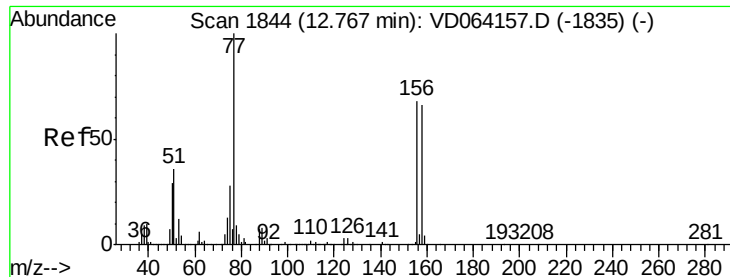
Delta R.T. 0.01 min

Lab File: VD064375.D

Acq: 26 Nov 2019 10:42

Tgt Ion:	75	Resp:	105773
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 50.437 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064375.D

Acq: 26 Nov 2019 10:42

Instrument :

MSVOA_D

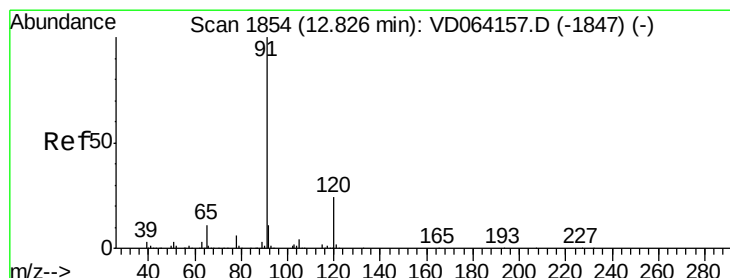
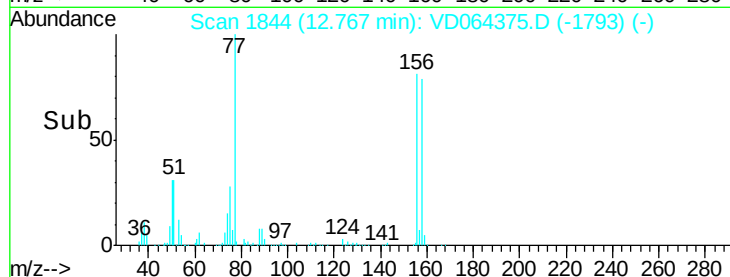
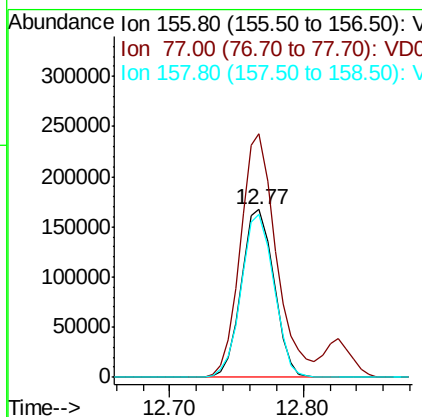
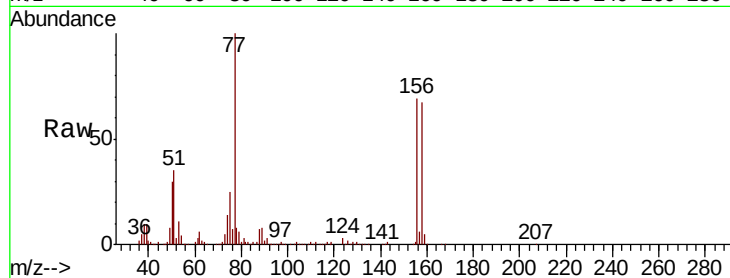
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	159.2	81.2	243.4
158	97.4	48.4	145.2

Manual Integrations
APPROVED

apatel
11/27/2019 5:13:59 PM



#78

n-propylbenzene

Concen: 52.658 ug/l

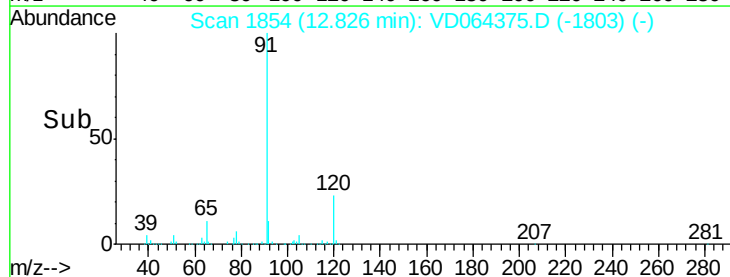
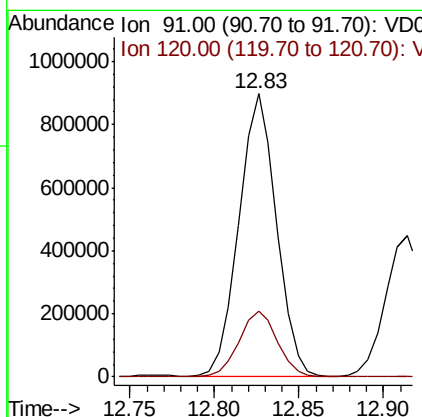
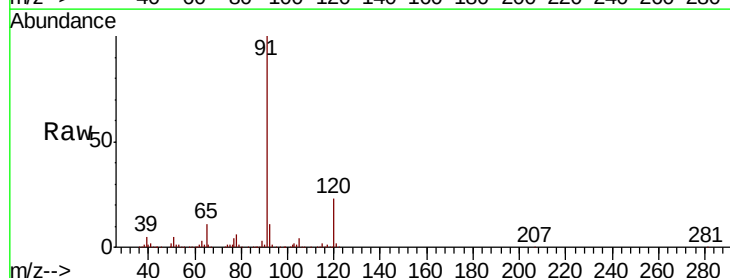
RT: 12.83 min Scan# 1854

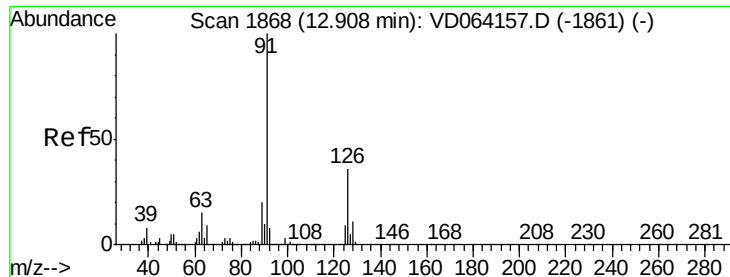
Delta R.T. 0.00 min

Lab File: VD064375.D

Acq: 26 Nov 2019 10:42

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.6	11.8	35.4





#79

2-Chlorotoluene

Concen: 49.556 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.01 min

Lab File: VD064375.D

Acq: 26 Nov 2019 10:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 736897

Ion Ratio Lower Upper

91 100

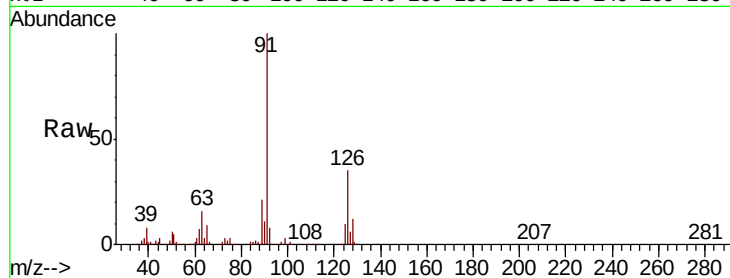
126 36.2 17.7 53.1

Manual Integrations

APPROVED

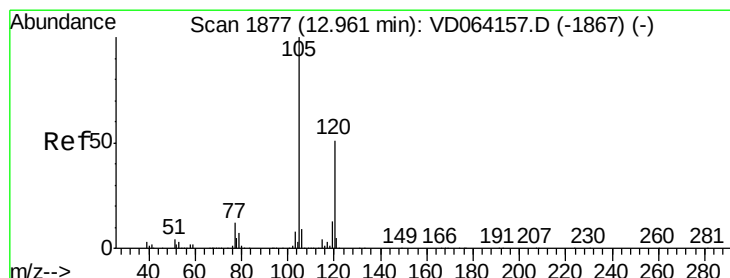
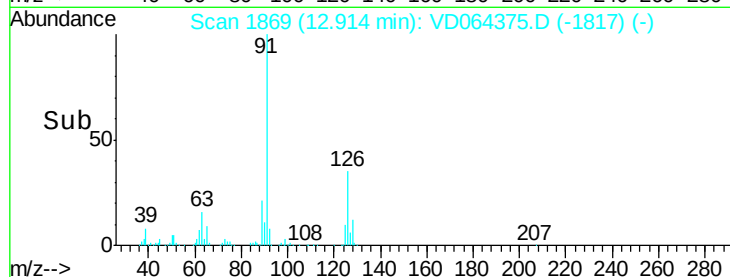
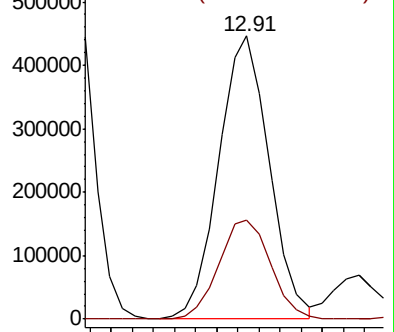
apatel

11/27/2019 5:13:59 PM



Abundance Ion 91.00 (90.70 to 91.70): VD064157.D (-1861) (-)

Ion 125.90 (125.60 to 126.60): VD064157.D (-1861) (-)



#80

1,3,5-Trimethylbenzene

Concen: 50.751 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.01 min

Lab File: VD064375.D

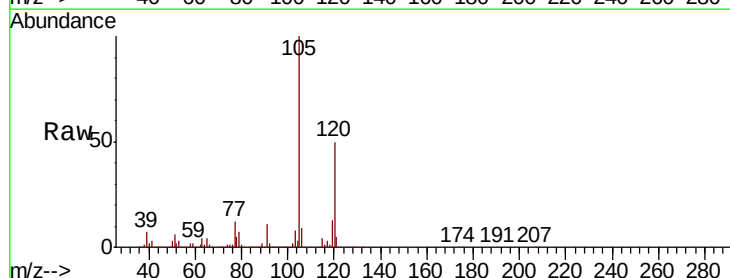
Acq: 26 Nov 2019 10:42

Tgt Ion: 105 Resp: 961361

Ion Ratio Lower Upper

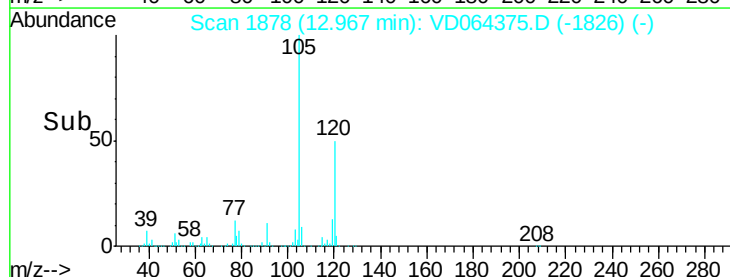
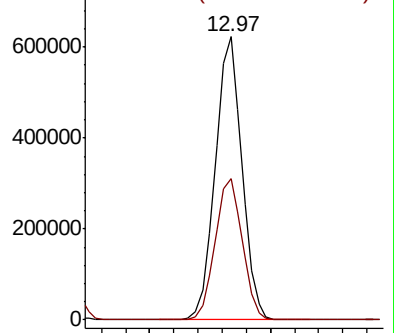
105 100

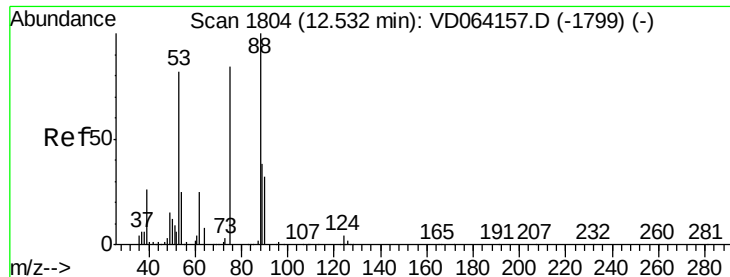
120 51.0 25.4 76.4



Abundance Ion 105.00 (104.70 to 105.70): VD064157.D (-1867) (-)

Ion 120.00 (119.70 to 120.70): VD064157.D (-1867) (-)





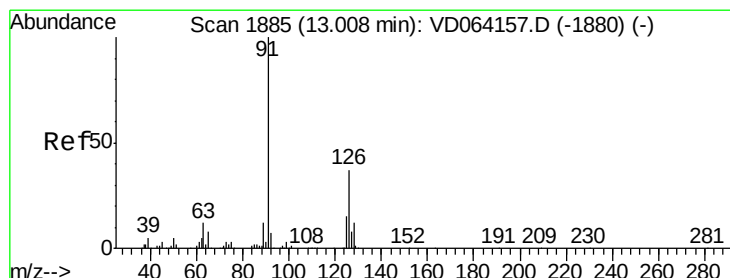
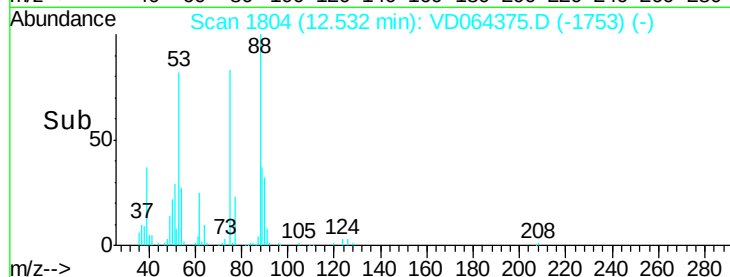
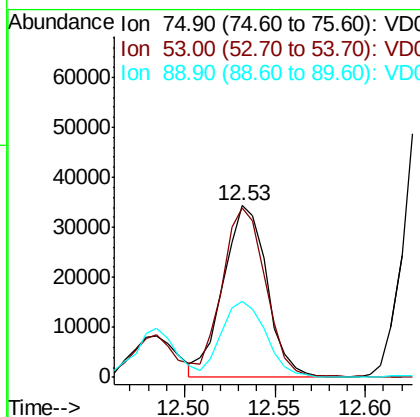
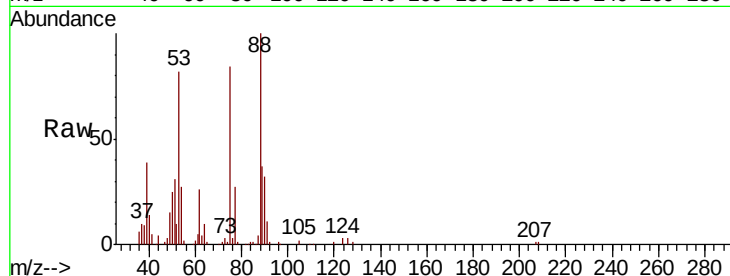
#81
trans-1,4-Dichloro-2-butene
Concen: 45.055 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD064375.D
Acq: 26 Nov 2019 10:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	97.2	79.4	119.0
89	45.1	36.6	55.0

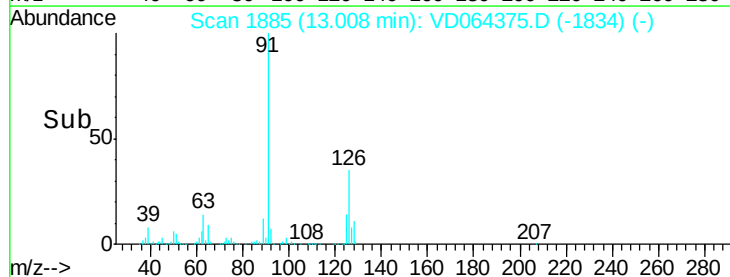
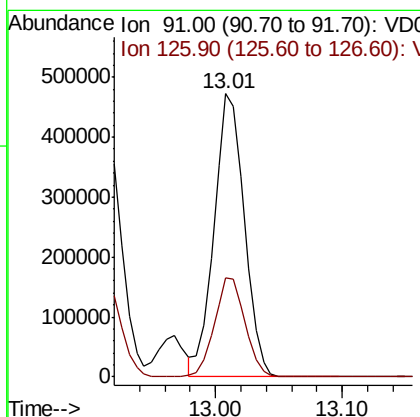
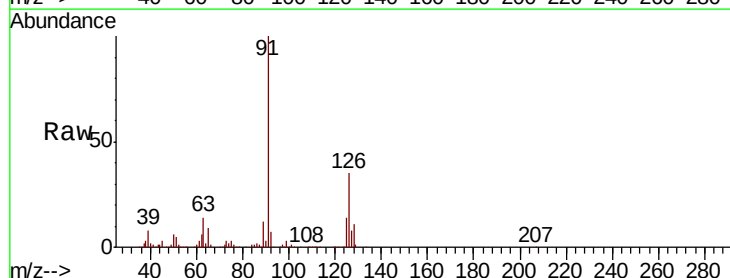
Manual Integrations
APPROVED

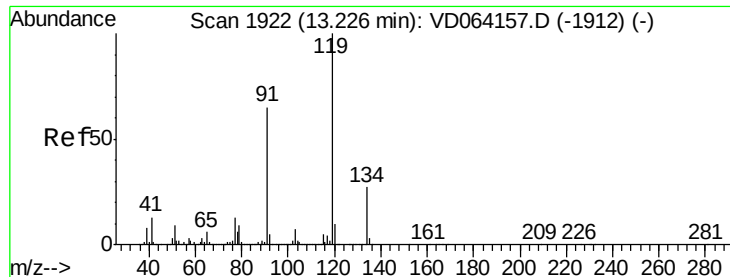
apatel
11/27/2019 5:13:59 PM



#82
4-Chlorotoluene
Concen: 50.526 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VD064375.D
Acq: 26 Nov 2019 10:42

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.4	17.8	53.4





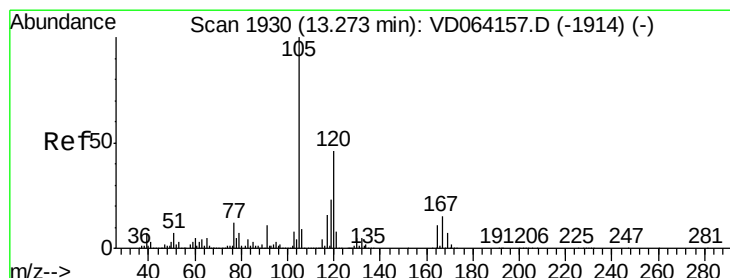
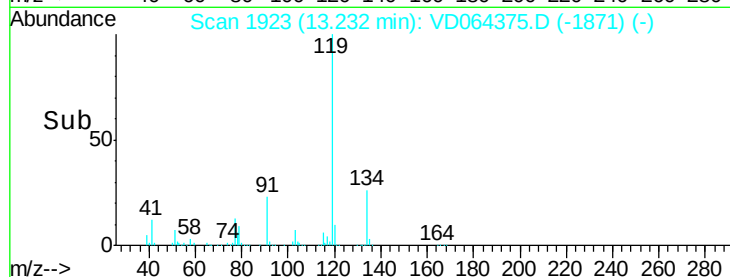
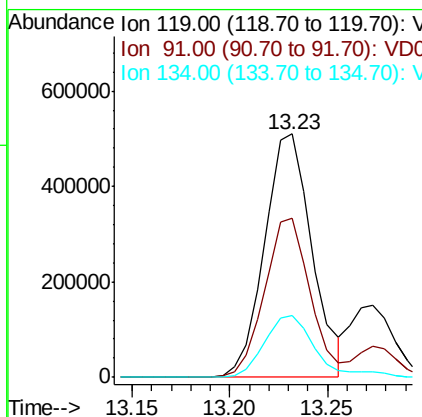
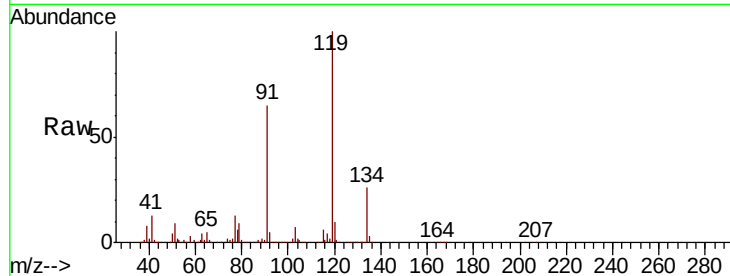
#83
tert-Butylbenzene
Concen: 51.513 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.01 min
Lab File: VD064375.D
Acq: 26 Nov 2019 10:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.4	31.8	95.4
134	27.5	13.7	41.0

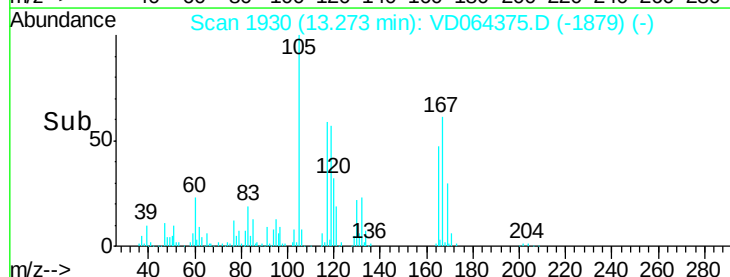
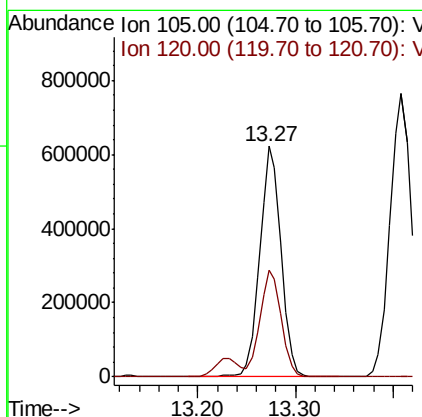
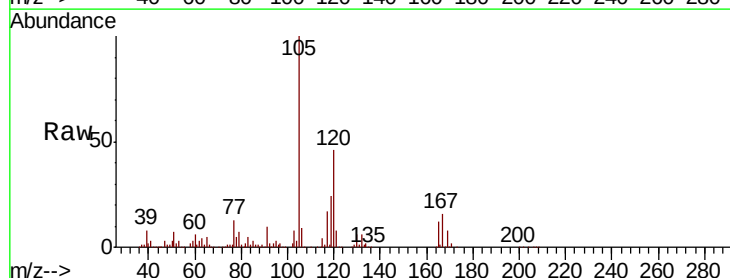
Manual Integrations
APPROVED

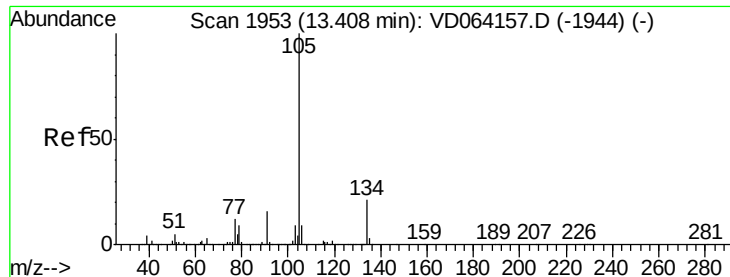
apatel
11/27/2019 5:13:59 PM



#84
1,2,4-Trimethylbenzene
Concen: 51.134 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD064375.D
Acq: 26 Nov 2019 10:42

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.8	23.3	69.8





#85

sec-Butylbenzene

Concen: 52.686 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064375.D

Acq: 26 Nov 2019 10:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1181953

Ion Ratio Lower Upper

105 100

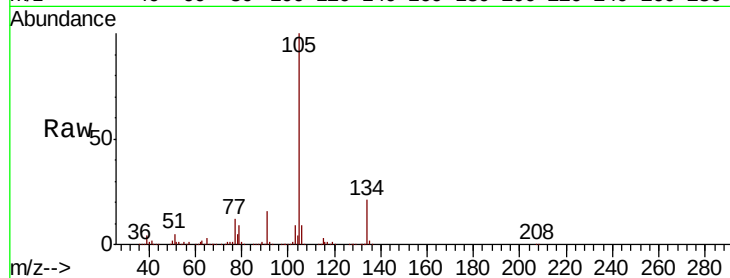
134 21.0 10.7 31.9

Manual Integrations

APPROVED

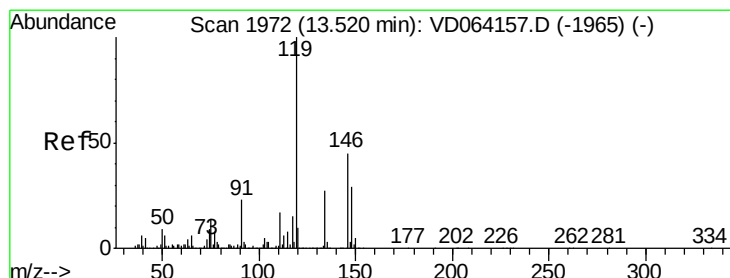
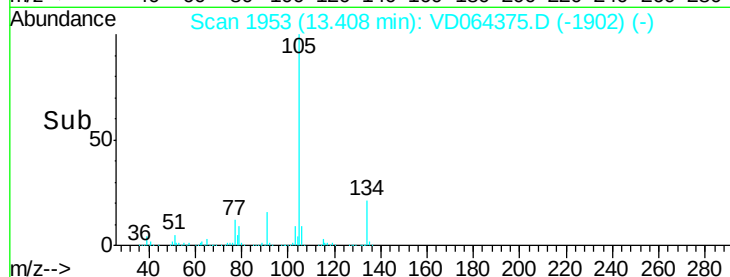
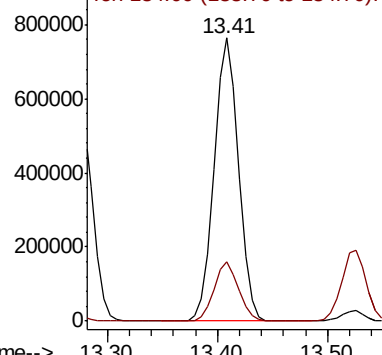
apatel

11/27/2019 5:13:59 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 52.384 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.01 min

Lab File: VD064375.D

Acq: 26 Nov 2019 10:42

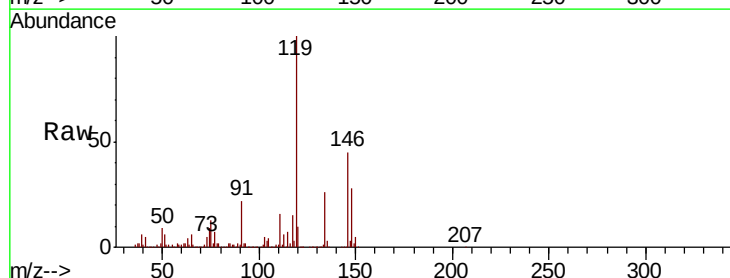
Tgt Ion:119 Resp: 1117233

Ion Ratio Lower Upper

119 100

134 26.7 13.5 40.5

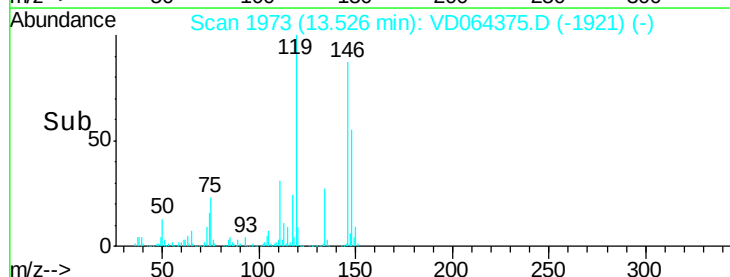
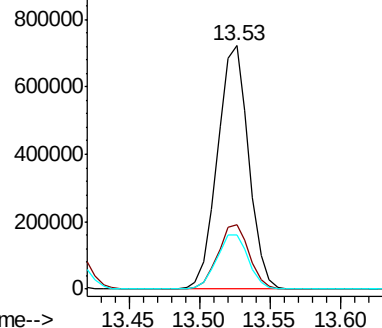
91 22.8 11.5 34.4

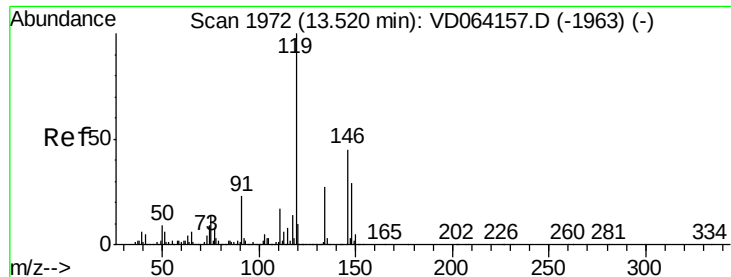


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





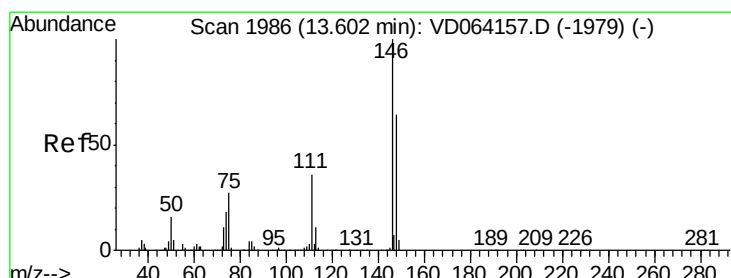
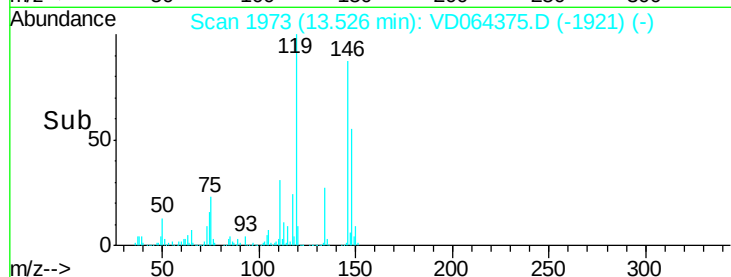
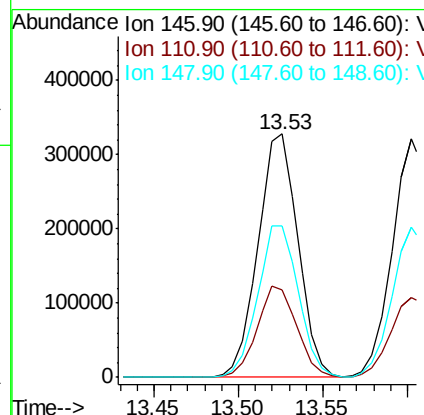
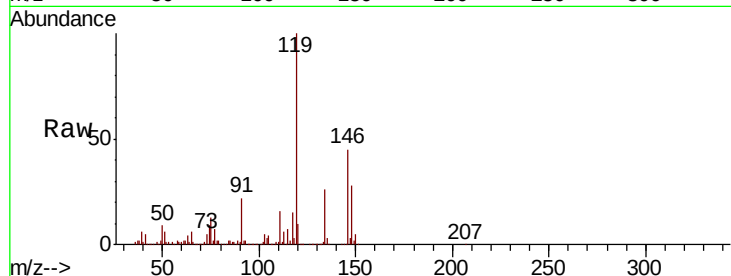
#87
 1,3-Dichlorobenzene
 Concen: 51.959 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.01 min
 Lab File: VD064375.D
 Acq: 26 Nov 2019 10:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.9	56.9
148	63.5	32.1	96.5

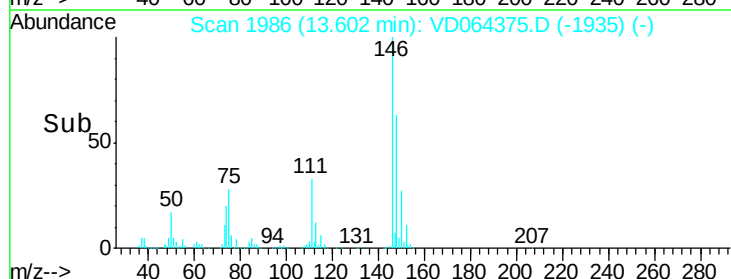
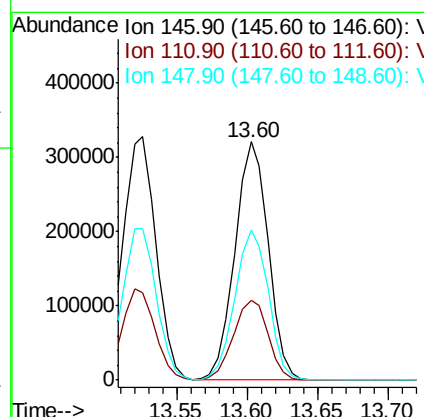
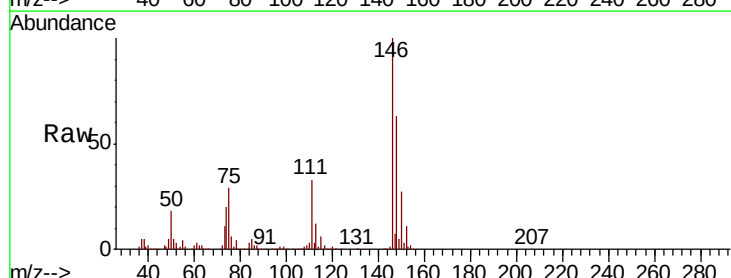
Manual Integrations
 APPROVED

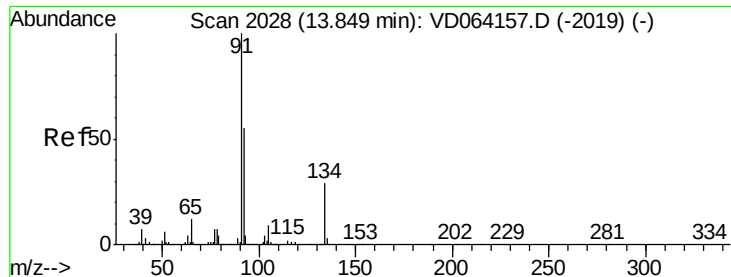
apatel
 11/27/2019 5:13:59 PM



#88
 1,4-Dichlorobenzene
 Concen: 51.991 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064375.D
 Acq: 26 Nov 2019 10:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.0	18.1	54.4
148	63.5	31.9	95.7





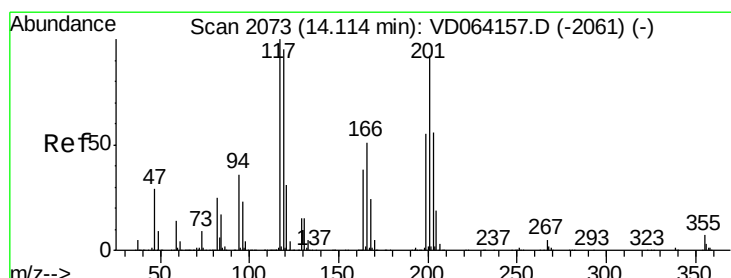
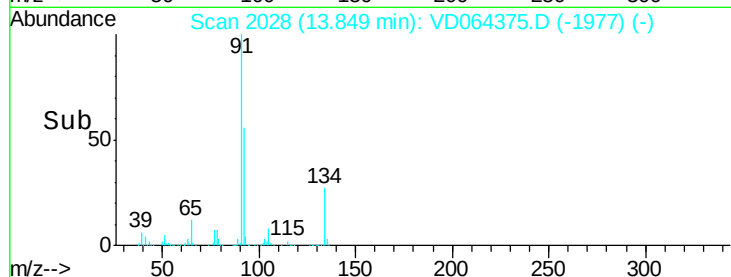
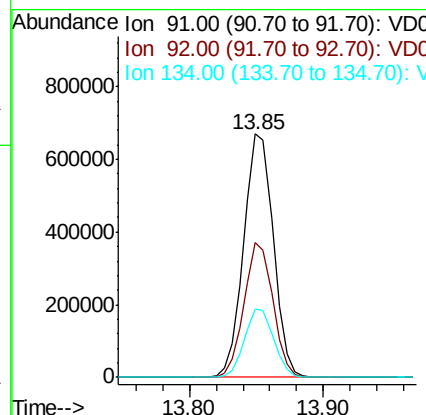
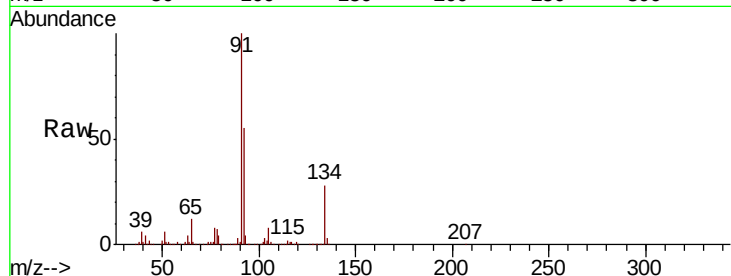
#89
n-Butylbenzene
Concen: 53.225 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064375.D
Acq: 26 Nov 2019 10:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.9	27.3	81.8
134	27.8	14.1	42.4

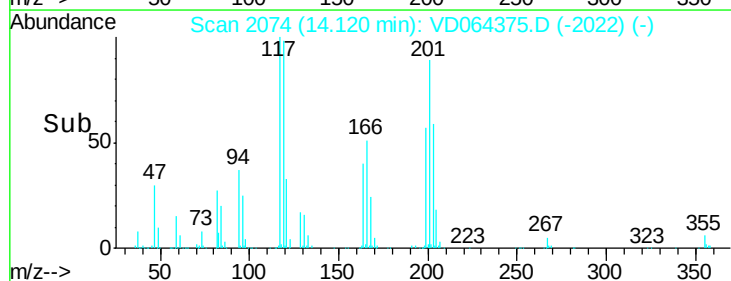
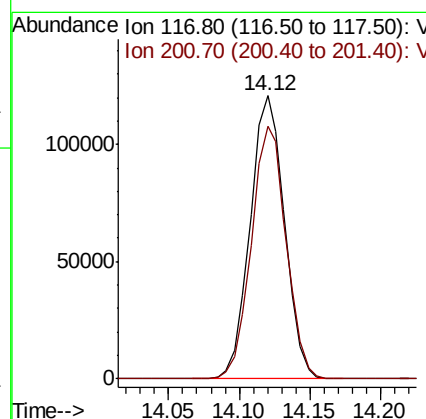
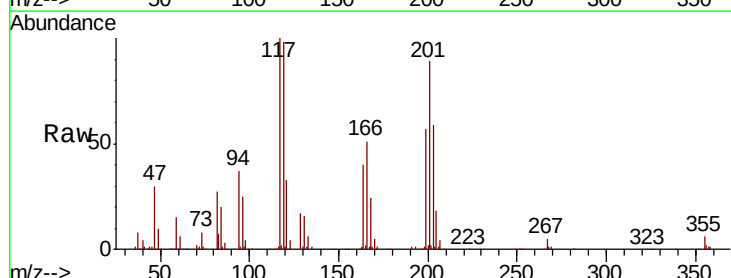
Manual Integrations
APPROVED

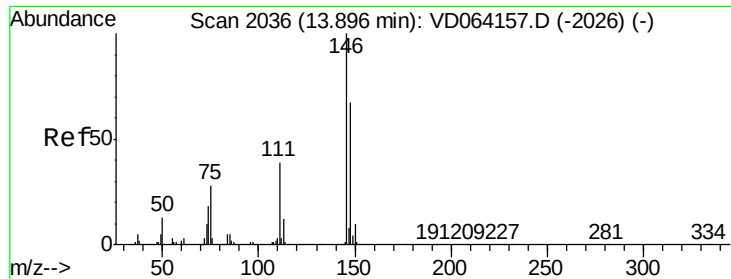
apatel
11/27/2019 5:13:59 PM



#90
Hexachloroethane
Concen: 52.413 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD064375.D
Acq: 26 Nov 2019 10:42

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.0	45.8	137.4





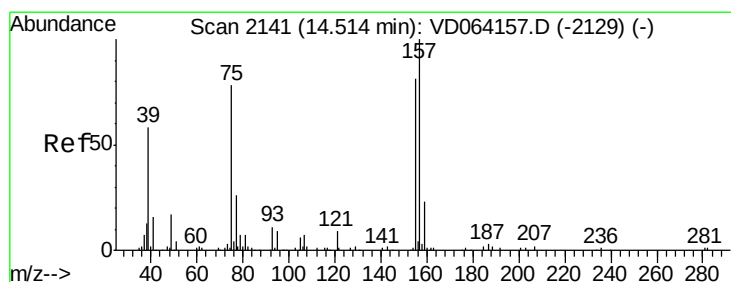
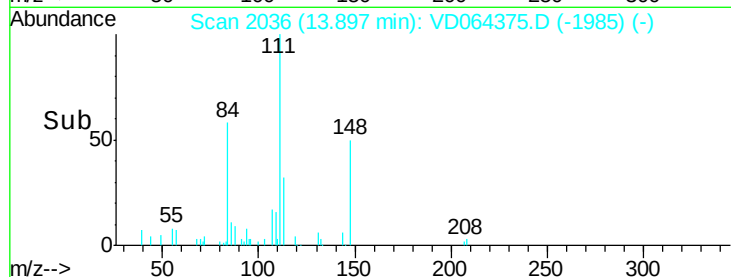
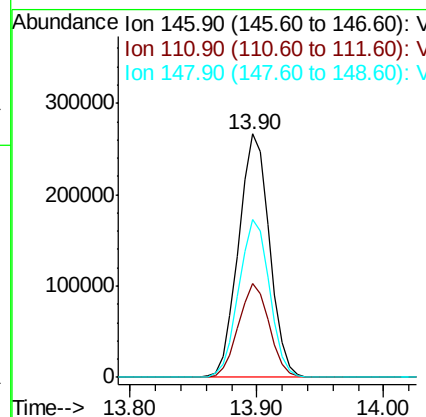
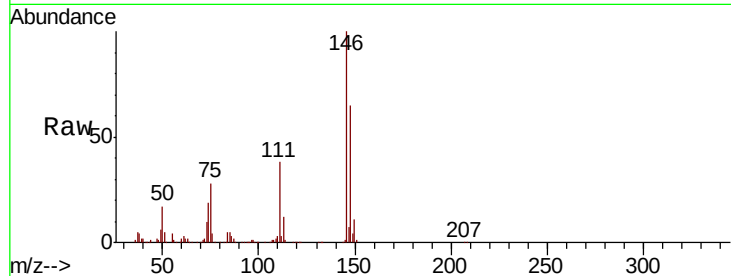
#91
 1,2-Dichlorobenzene
 Concen: 50.952 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064375.D
 Acq: 26 Nov 2019 10:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.7	59.0
148	64.8	32.3	96.8

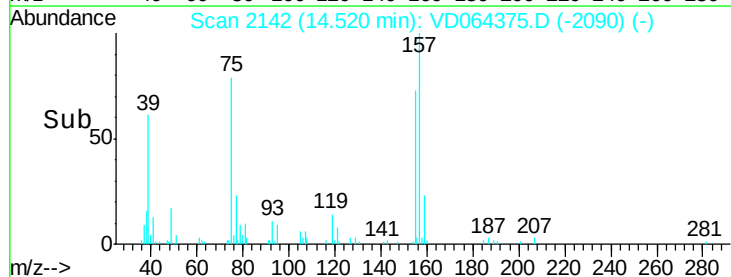
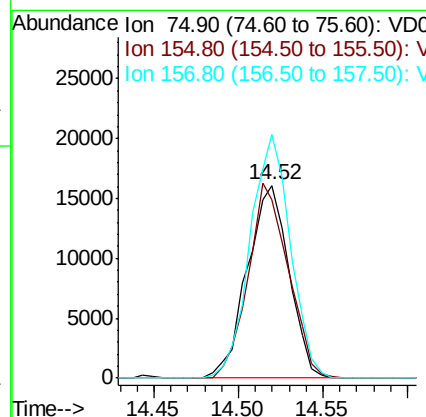
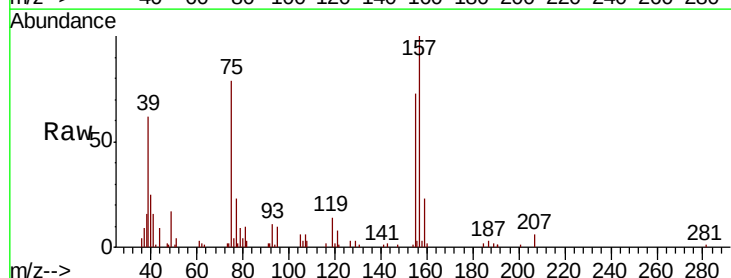
Manual Integrations
 APPROVED

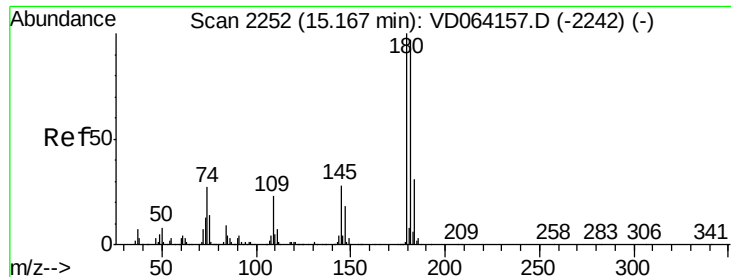
apatel
 11/27/2019 5:13:59 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.465 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.01 min
 Lab File: VD064375.D
 Acq: 26 Nov 2019 10:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.3	48.0	144.0
157	122.0	61.5	184.4





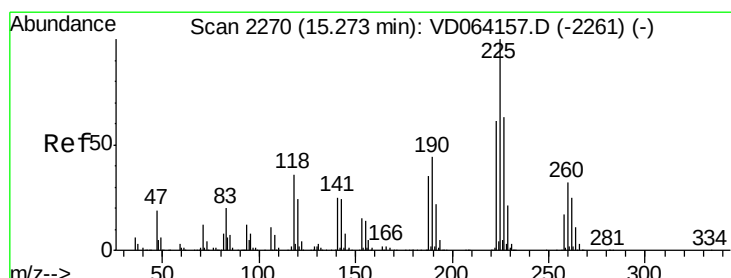
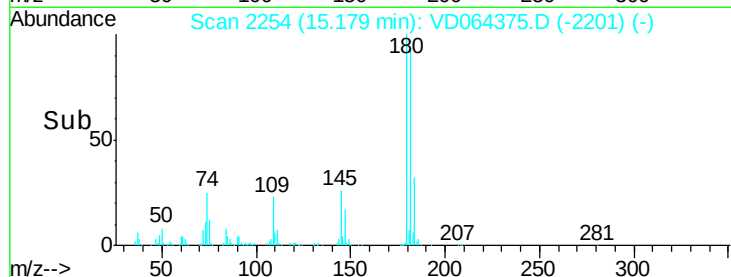
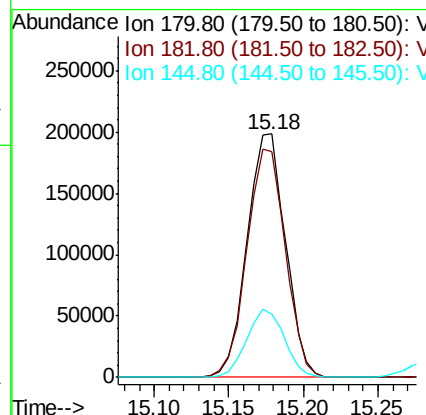
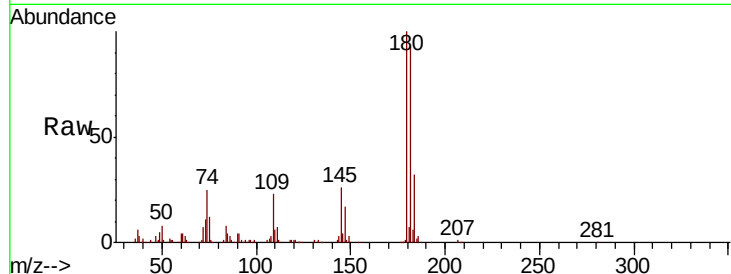
#93
1,2,4-Trichlorobenzene
Concen: 51.899 ug/l
RT: 15.18 min Scan# 2254
Delta R.T. 0.01 min
Lab File: VD064375.D
Acq: 26 Nov 2019 10:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	352291		
182	94.1	47.5	142.5	
145	27.4	14.2	42.6	

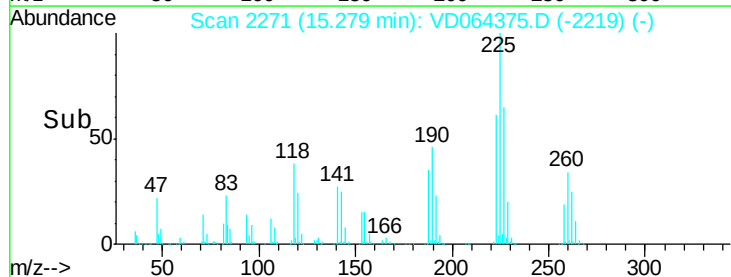
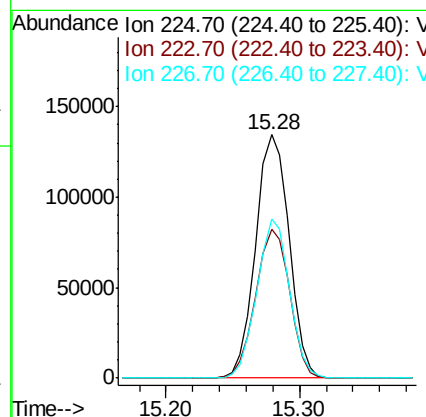
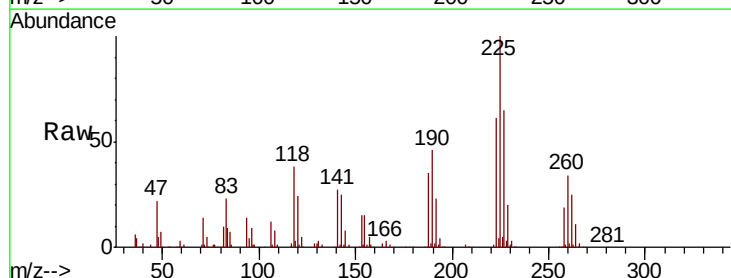
Manual Integrations
APPROVED

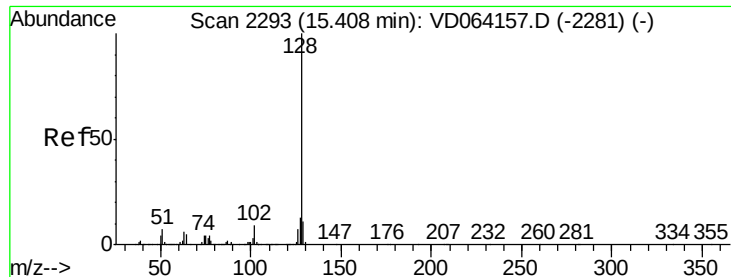
apatel
11/27/2019 5:13:59 PM



#94
Hexachlorobutadiene
Concen: 53.116 ug/l
RT: 15.28 min Scan# 2271
Delta R.T. 0.01 min
Lab File: VD064375.D
Acq: 26 Nov 2019 10:42

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	232883		
223	62.1	31.1	93.3	
227	63.7	31.5	94.5	





#95

Naphthalene

Concen: 48.082 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.01 min

Lab File: VD064375.D

Acq: 26 Nov 2019 10:42

Instrument :

MSVOA_D

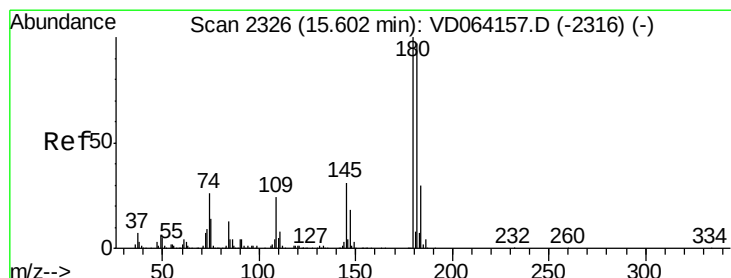
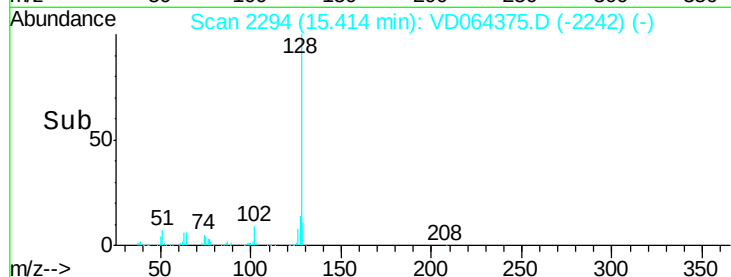
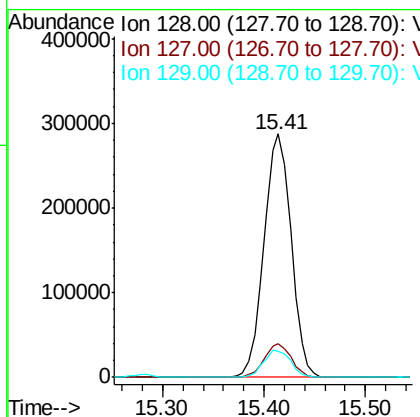
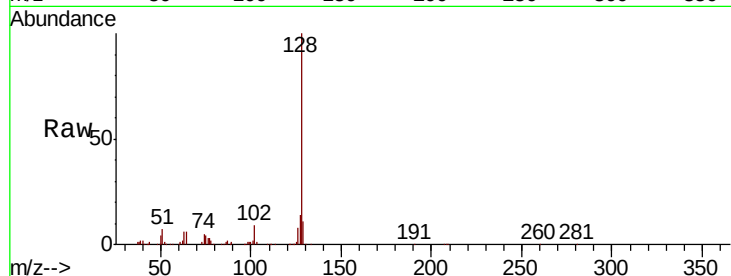
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	535019
Ion Ratio	Lower	Upper	
128	100		
127	13.5	10.5	15.7
129	11.2	8.6	13.0

Manual Integrations
APPROVED

apatel
11/27/2019 5:13:59 PM



#96

1,2,3-Trichlorobenzene

Concen: 50.594 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.01 min

Lab File: VD064375.D

Acq: 26 Nov 2019 10:42

Tgt Ion:	180	Resp:	291927
Ion Ratio	Lower	Upper	
180	100		
182	94.1	48.3	144.9
145	29.2	15.3	45.8

