

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032420\
 Data File : VD065520.D
 Acq On : 24 Mar 2020 15:33
 Operator : VA/SY
 Sample : VD0324SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0324SBS01

Manual Integrations
 APPROVED

apatel
 3/25/2020 10:40:02 AM

Quant Time: Mar 25 02:35:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 01:22:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	444050	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	631183	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	582755	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	301008	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	186399	48.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.88%	
35) Dibromofluoromethane	7.92	113	205122	52.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.10%	
50) Toluene-d8	10.34	98	763861	51.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.02%	
62) 4-Bromofluorobenzene	12.64	95	250481	54.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	73255	19.195	ug/l	95
3) Chloromethane	2.21	50	91180	19.790	ug/l	99
4) Vinyl Chloride	2.35	62	91264	20.082	ug/l	95
5) Bromomethane	2.77	94	58532	20.127	ug/l	96
6) Chloroethane	2.92	64	57725	20.739	ug/l	97
7) Trichlorofluoromethane	3.27	101	136265	20.349	ug/l	97
8) Diethyl Ether	3.71	74	40495	20.335	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	90103	20.892	ug/l	98
10) Methyl Iodide	4.29	142	85435	19.068	ug/l	98
11) Tert butyl alcohol	5.24	59	18510	84.719	ug/l #	91
12) 1,1-Dichloroethene	4.06	96	81656	19.773	ug/l	97
13) Acrolein	3.93	56	24084	63.916	ug/l	99
14) Allyl chloride	4.71	41	119269	18.800	ug/l	99
15) Acrylonitrile	5.43	53	85462	98.648	ug/l	99
16) Acetone	4.17	43	75662	98.218	ug/l	99
17) Carbon Disulfide	4.40	76	252608	18.368	ug/l	99
18) Methyl Acetate	4.73	43	39501	20.214	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	156574	19.715	ug/l	96
20) Methylene Chloride	4.96	84	99974	21.960	ug/l	92
21) trans-1,2-Dichloroethene	5.47	96	92634	20.164	ug/l	92
22) Diisopropyl ether	6.37	45	247543	20.990	ug/l	96
23) Vinyl Acetate	6.31	43	635192	97.004	ug/l	100
24) 1,1-Dichloroethane	6.27	63	157344	20.801	ug/l	98
25) 2-Butanone	7.22	43	100352	95.459	ug/l	97
26) 2,2-Dichloropropane	7.21	77	135670	20.524	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	96728	20.599	ug/l	98
28) Bromochloromethane	7.55	49	60776	20.082	ug/l	99
29) Tetrahydrofuran	7.57	42	64229	95.673	ug/l	99
30) Chloroform	7.71	83	160573	21.238	ug/l	98
31) Cyclohexane	7.98	56	139238	18.409	ug/l	97
32) 1,1,1-Trichloroethane	7.91	97	146322	20.942	ug/l	98
36) 1,1-Dichloropropene	8.11	75	126892	20.973	ug/l	99
37) Ethyl Acetate	7.30	43	46192	19.753	ug/l	97
38) Carbon Tetrachloride	8.10	117	132354	21.096	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032420\
 Data File : VD065520.D
 Acq On : 24 Mar 2020 15:33
 Operator : VA/SY
 Sample : VD0324SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0324SBS01

Manual Integrations
 APPROVED

apatel
 3/25/2020 10:40:02 AM

Quant Time: Mar 25 02:35:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 01:22:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	138733	18.985	ug/l	95
40) Benzene	8.36	78	359392	21.245	ug/l	99
41) Methacrylonitrile	7.54	41	25401m	20.539	ug/l	
42) 1,2-Dichloroethane	8.43	62	95134	21.537	ug/l	99
43) Isopropyl Acetate	8.46	43	83329	19.298	ug/l	97
44) Trichloroethene	9.12	130	104396	21.853	ug/l	96
45) 1,2-Dichloropropane	9.39	63	87537	21.363	ug/l	98
46) Dibromomethane	9.48	93	46758	21.999	ug/l	99
47) Bromodichloromethane	9.67	83	121035	21.889	ug/l	100
48) Methyl methacrylate	9.46	41	38151	18.783	ug/l	95
49) 1,4-Dioxane	9.47	88	10753	442.281	ug/l	91
51) 4-Methyl-2-Pentanone	10.23	43	217704	100.191	ug/l	99
52) Toluene	10.41	92	228785	21.469	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	108577	21.012	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	132625	21.204	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	67116	22.295	ug/l	97
56) Ethyl methacrylate	10.67	69	66305	19.537	ug/l	99
57) 1,3-Dichloropropane	10.95	76	110118	21.619	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	111043	105.956	ug/l	97
59) 2-Hexanone	10.99	43	149717	99.535	ug/l	98
60) Dibromochloromethane	11.14	129	88182	22.852	ug/l	99
61) 1,2-Dibromoethane	11.25	107	62141	21.641	ug/l	98
64) Tetrachloroethene	10.88	164	89492	21.431	ug/l	96
65) Chlorobenzene	11.67	112	245183	21.261	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	94171	22.422	ug/l	97
67) Ethyl Benzene	11.75	91	408441	20.498	ug/l	99
68) m/p-Xylenes	11.86	106	330470	43.012	ug/l	99
69) o-Xylene	12.18	106	139979	20.712	ug/l	98
70) Styrene	12.20	104	256933	21.601	ug/l	99
71) Bromoform	12.37	173	51019	21.626	ug/l #	97
73) Isopropylbenzene	12.48	105	379858	19.186	ug/l	98
74) N-amyl acetate	12.30	43	73050	18.022	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	70627	20.294	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	45890m	19.320	ug/l	
77) Bromobenzene	12.77	156	103197	20.979	ug/l	98
78) n-propylbenzene	12.83	91	473744	20.167	ug/l	100
79) 2-Chlorotoluene	12.91	91	267020	20.169	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	328371	20.174	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	21806	19.374	ug/l	98
82) 4-Chlorotoluene	13.01	91	286389	20.585	ug/l	99
83) tert-Butylbenzene	13.23	119	268290	19.483	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	329876	20.560	ug/l	99
85) sec-Butylbenzene	13.41	105	388059	19.743	ug/l	99
86) p-Isopropyltoluene	13.53	119	365226	20.363	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	196437	20.771	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	195802	20.814	ug/l	99
89) n-Butylbenzene	13.86	91	321539	19.391	ug/l	99
90) Hexachloroethane	14.12	117	75550	20.454	ug/l	95
91) 1,2-Dichlorobenzene	13.90	146	170261	21.156	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.52	75	10161	19.171	ug/l	99

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD032420\
Data File : VD065520.D
Acq On : 24 Mar 2020 15:33
Operator : VA/SY
Sample : VD0324SBS01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0324SBS01

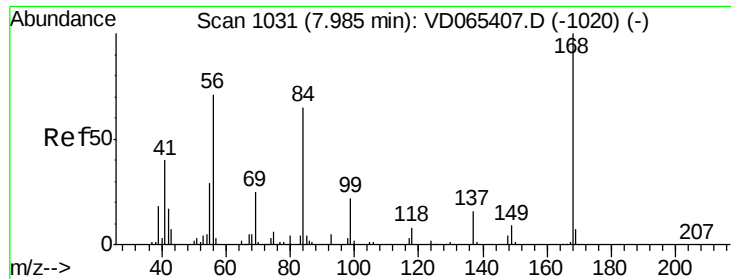
Manual Integrations
APPROVED

apatel
3/25/2020 10:40:02 AM

Quant Time: Mar 25 02:35:12 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 05 01:22:07 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	113410	20.791	ug/l	97
94) Hexachlorobutadiene	15.28	225	74495	20.785	ug/l	98
95) Naphthalene	15.41	128	162783	19.675	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	99447	21.098	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065520.D

Acq: 24 Mar 2020 15:33

Instrument :

MSVOA_D

ClientSampleId :

VD0324SBS01

Tot Ion:168 Resp: 444050

Ion Ratio Lower Upper

168 100

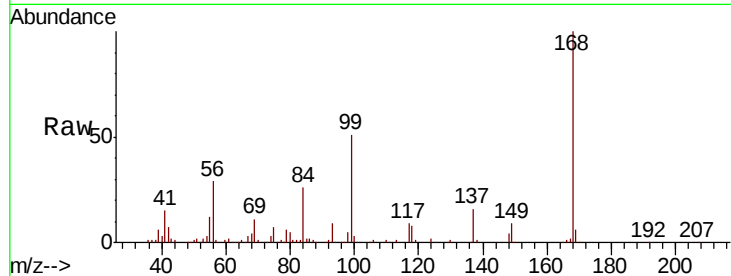
99 51.2 41.5 62.3

Manual Integrations

APPROVED

apatel

3/25/2020 10:40:02 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

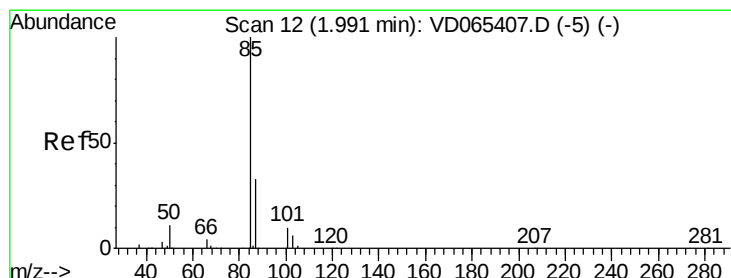
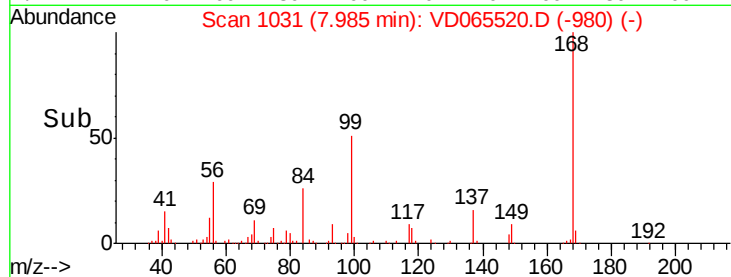
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 19.195 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065520.D

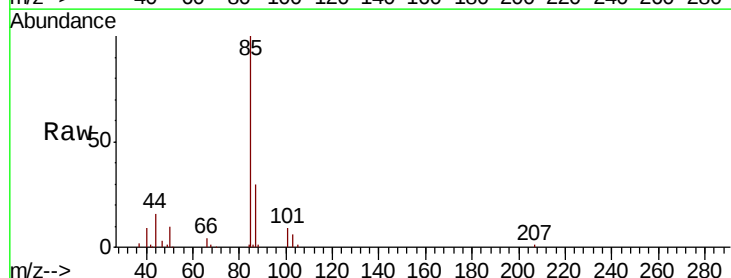
Acq: 24 Mar 2020 15:33

Tgt Ion: 85 Resp: 73255

Ion Ratio Lower Upper

85 100

87 29.8 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

60000

50000

40000

30000

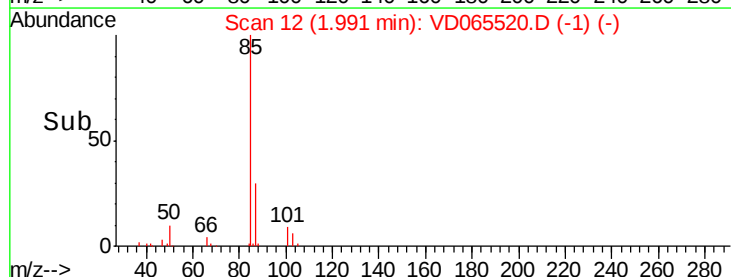
20000

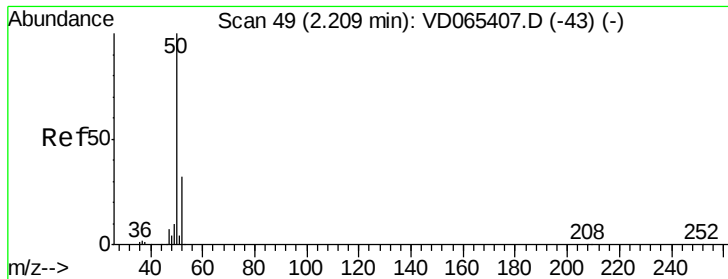
10000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 19.790 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065520.D

Acq: 24 Mar 2020 15:33

Instrument :

MSVOA_D

ClientSampleId :

VD0324SBS01

Tot Ion: 50 Resp: 91180

Ion Ratio Lower Upper

50 100

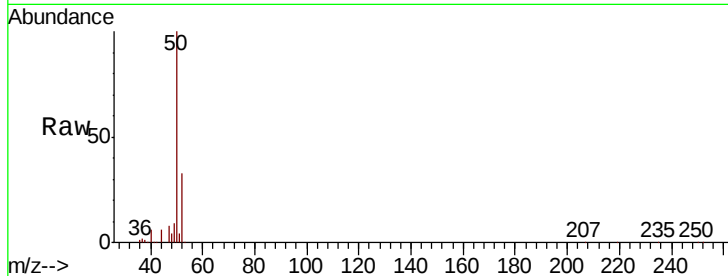
52 33.0 25.8 38.8

Manual Integrations

APPROVED

apatel

3/25/2020 10:40:02 AM



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

80000

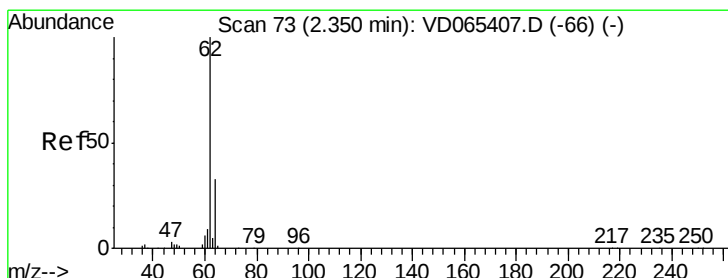
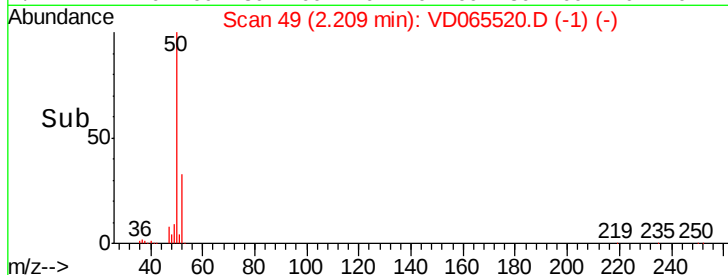
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 20.082 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065520.D

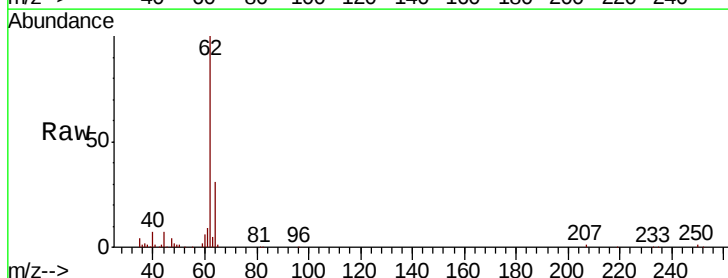
Acq: 24 Mar 2020 15:33

Tgt Ion: 62 Resp: 91264

Ion Ratio Lower Upper

62 100

64 30.6 26.6 39.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

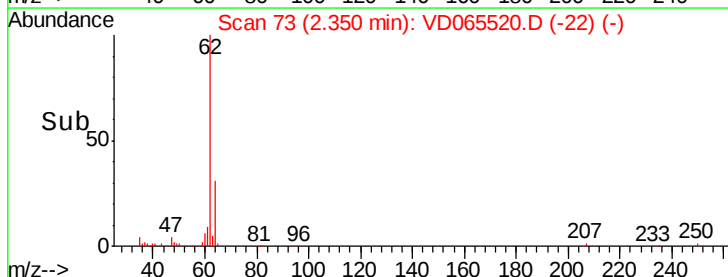
60000

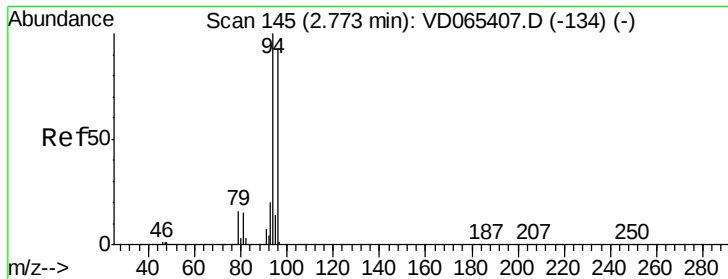
40000

20000

0

Time-->





#5

Bromomethane

Concen: 20.127 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD065520.D

Acq: 24 Mar 2020 15:33

Instrument :

MSVOA_D

ClientSampleId :

VD0324SBS01

Tot Ion: 94 Resp: 58532

Ion Ratio Lower Upper

94 100

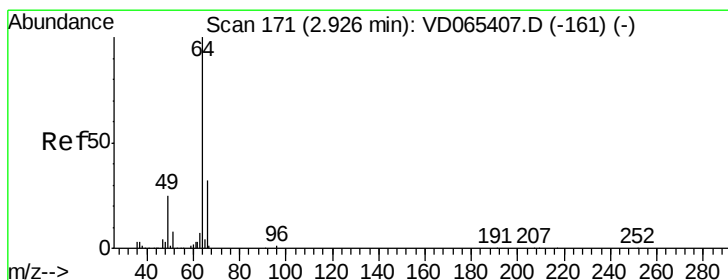
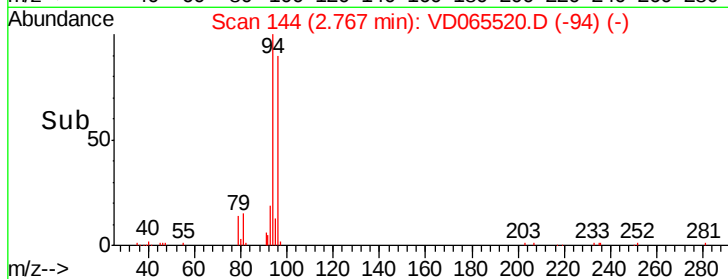
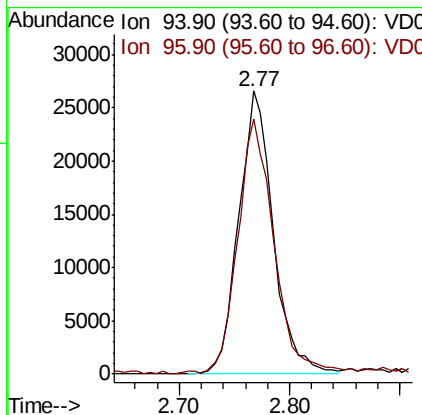
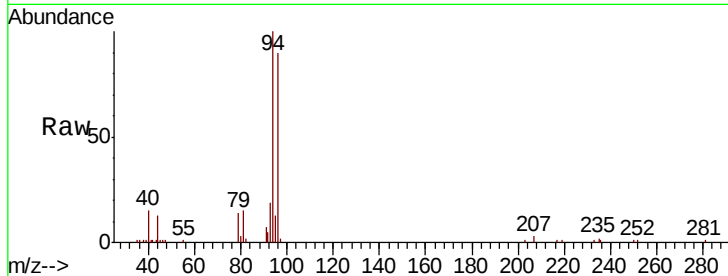
96 89.4 74.4 111.6

Manual Integrations

APPROVED

apatel

3/25/2020 10:40:02 AM



#6

Chloroethane

Concen: 20.739 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065520.D

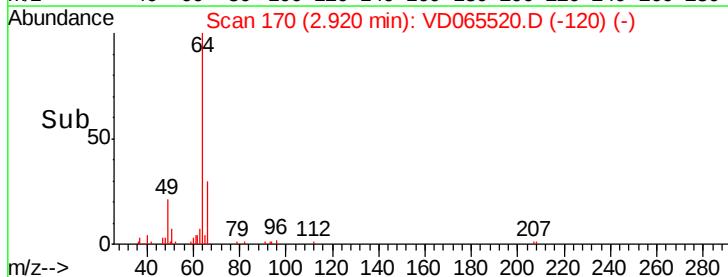
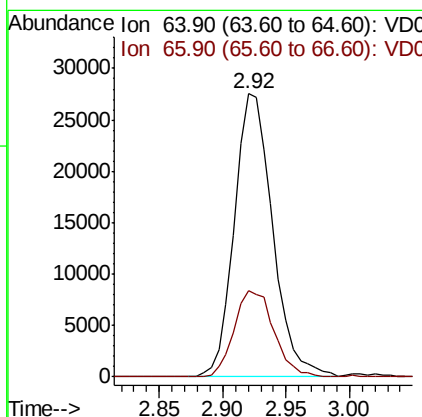
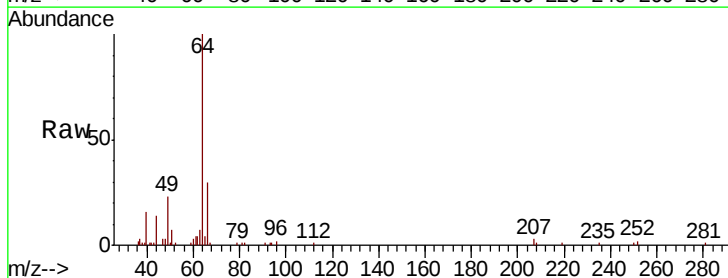
Acq: 24 Mar 2020 15:33

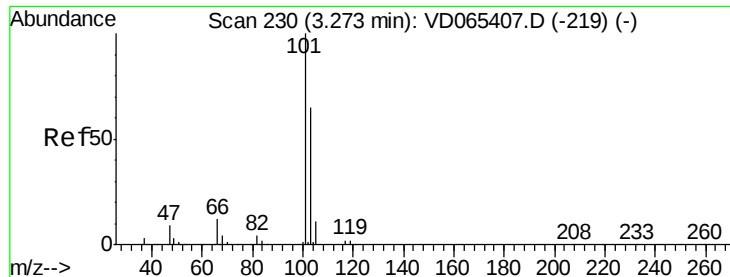
Tgt Ion: 64 Resp: 57725

Ion Ratio Lower Upper

64 100

66 30.3 25.6 38.4





#7

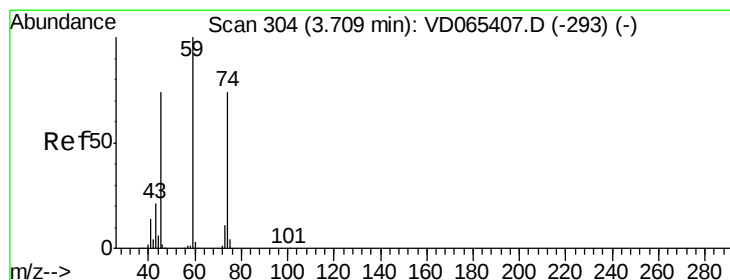
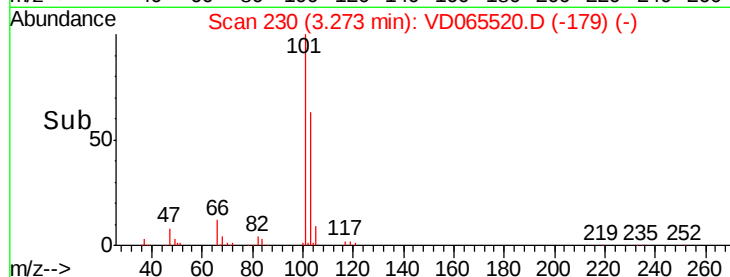
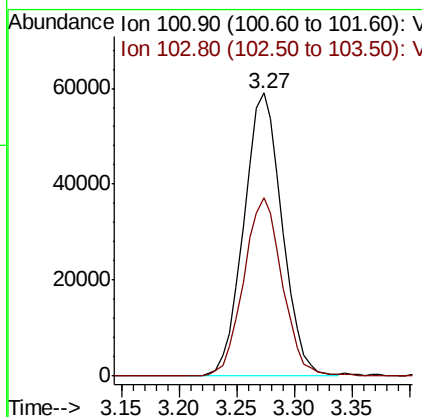
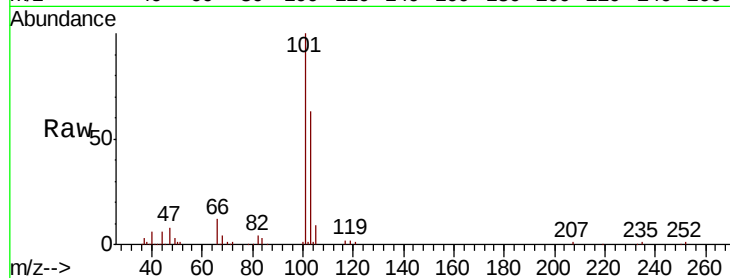
Trichlorofluoromethane
 Concen: 20.349 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD065520.D
 Acq: 24 Mar 2020 15:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0324SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.1	52.1	78.1

Manual Integrations
 APPROVED

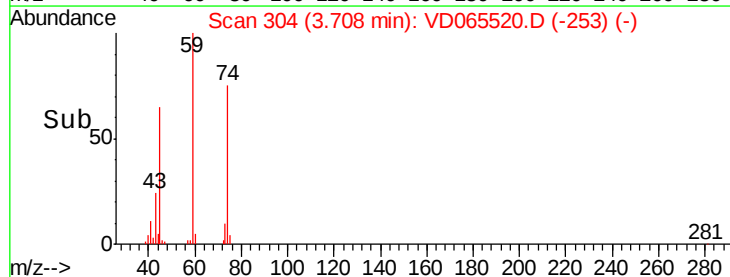
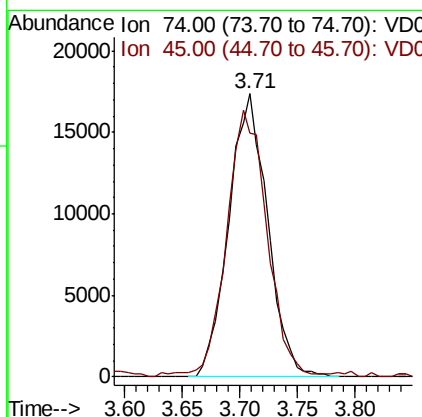
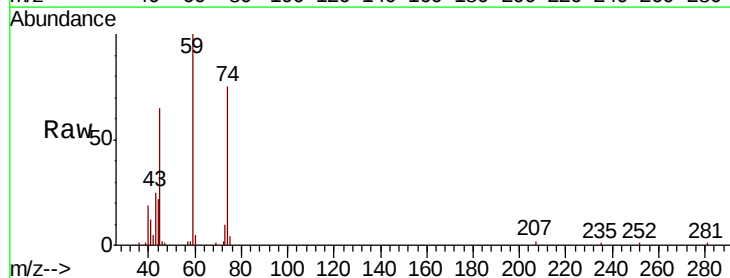
apatel
 3/25/2020 10:40:02 AM

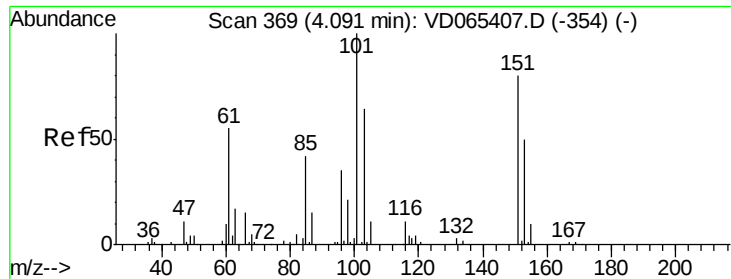


#8

Diethyl Ether
 Concen: 20.335 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD065520.D
 Acq: 24 Mar 2020 15:33

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.7	49.5	148.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.892 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.00 min

Lab File: VD065520.D

Acq: 24 Mar 2020 15:33

Instrument :

MSVOA_D

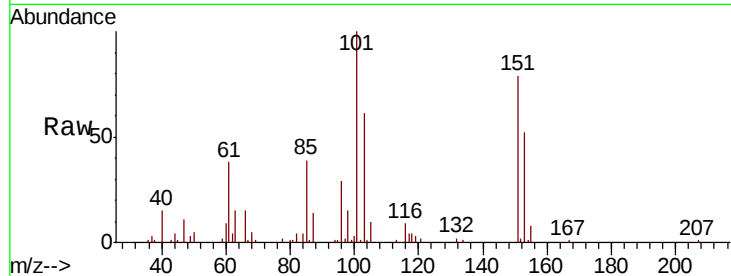
ClientSampleId :

VD0324SBS01

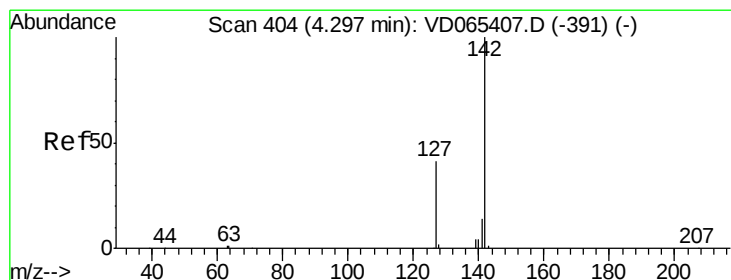
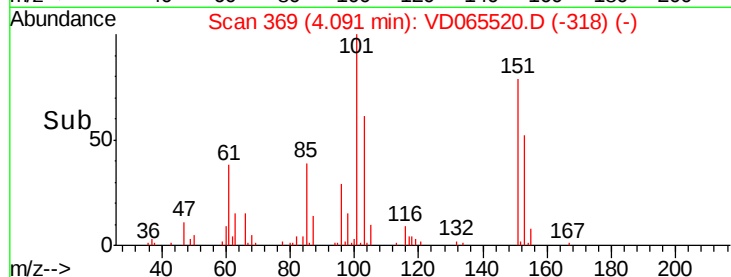
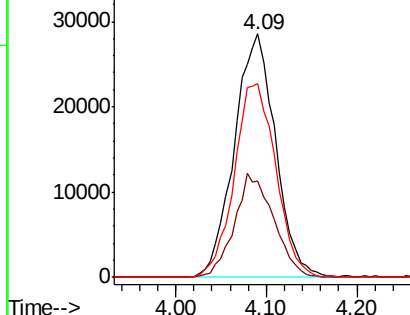
Tot Ion:	101	Resp:	90103
Ion Ratio	Lower	Upper	
101	100		
85	40.6	34.2	51.2
151	80.5	65.1	97.7

Manual Integrations
APPROVED

apatel
3/25/2020 10:40:02 AM



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



#10

Methyl Iodide

Concen: 19.068 ug/l

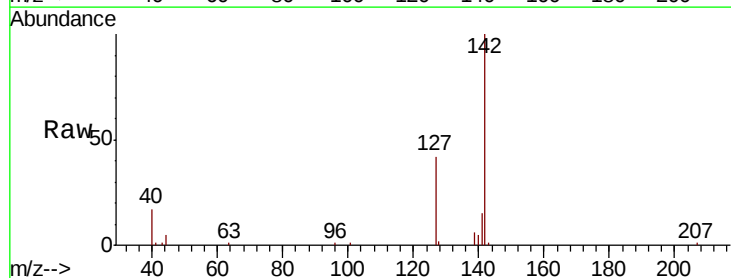
RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

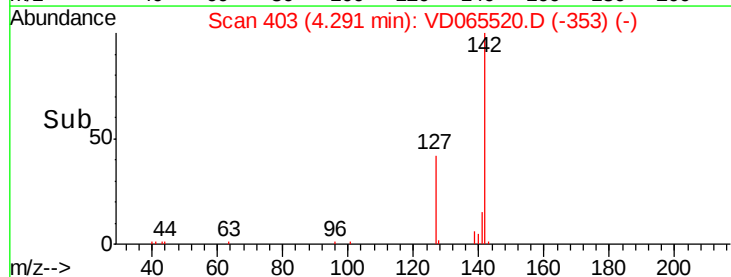
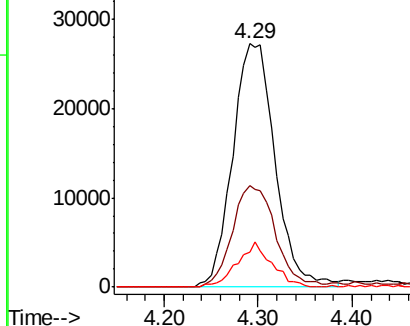
Lab File: VD065520.D

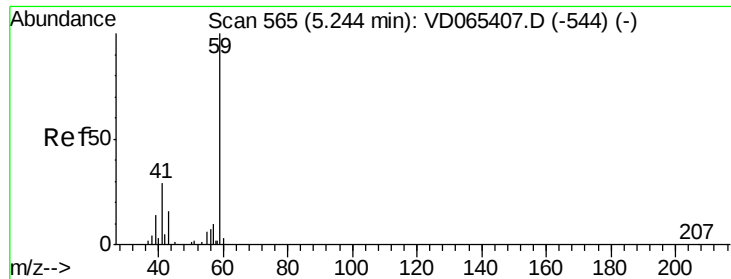
Acq: 24 Mar 2020 15:33

Tgt Ion:	142	Resp:	85435
Ion Ratio	Lower	Upper	
142	100		
127	42.1	35.0	52.6
141	15.0	12.4	18.6



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





#11

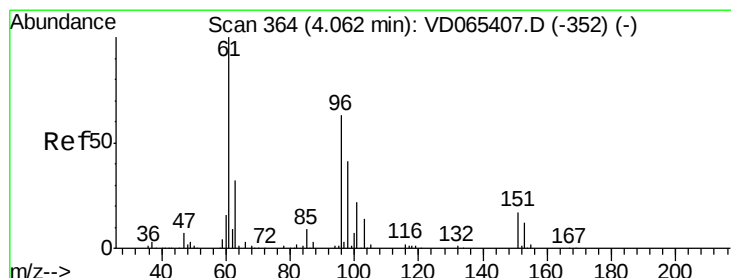
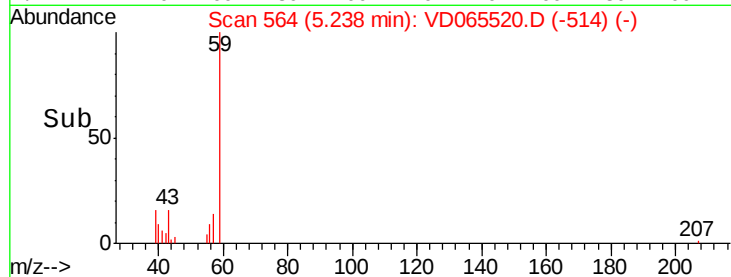
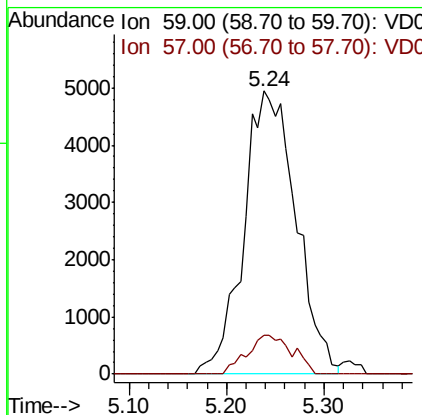
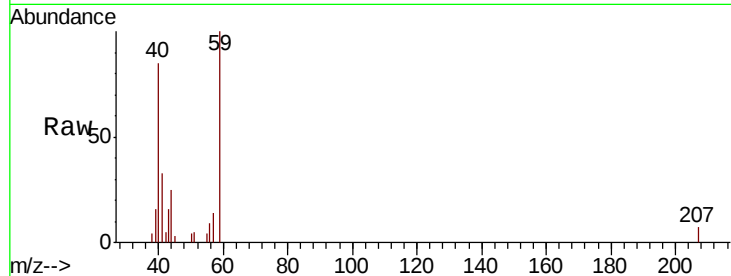
Tert butyl alcohol
Concen: 84.719 ug/l
RT: 5.24 min Scan# 564
Delta R.T. -0.01 min
Lab File: VD065520.D
Acq: 24 Mar 2020 15:33

Instrument :
MSVOA_D
ClientSampleId :
VD0324SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.9	6.9	10.3#

Manual Integrations
APPROVED

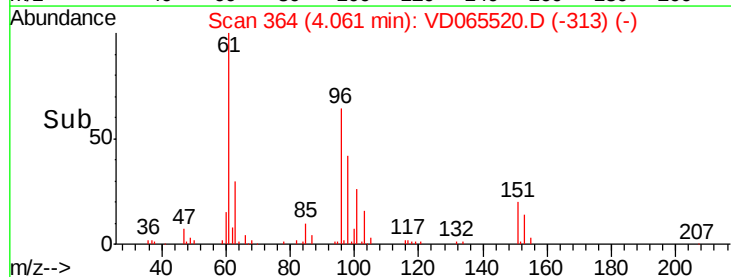
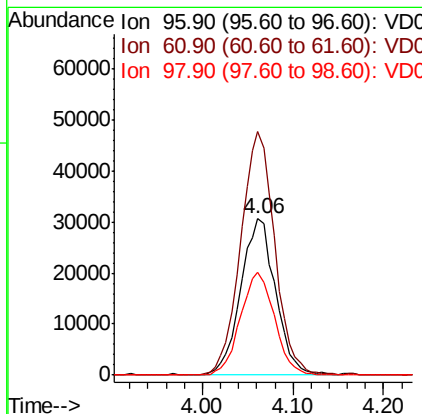
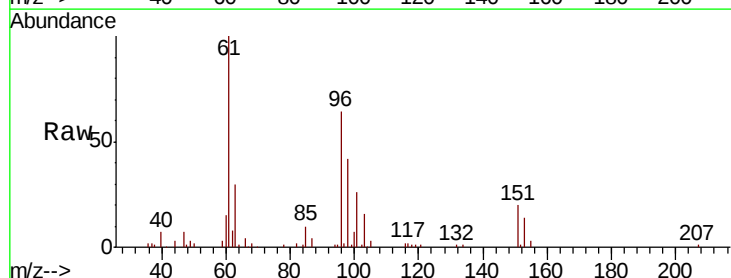
apatel
3/25/2020 10:40:02 AM

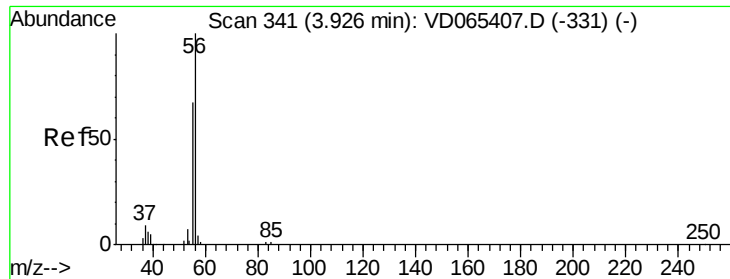


#12

1,1-Dichloroethene
Concen: 19.773 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.00 min
Lab File: VD065520.D
Acq: 24 Mar 2020 15:33

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.7	128.0	192.0
98	65.7	51.9	77.9





#13

Acrolein

Concen: 63.916 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD065520.D

Acq: 24 Mar 2020 15:33

Instrument :

MSVOA_D

ClientSampleId :

VD0324SBS01

Tot Ion: 56 Resp: 24084

Ion Ratio Lower Upper

56 100

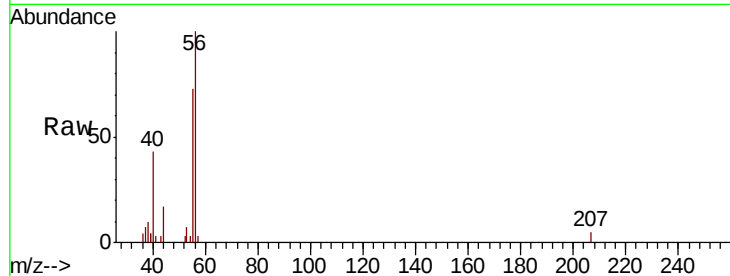
55 72.0 56.6 85.0

Manual Integrations

APPROVED

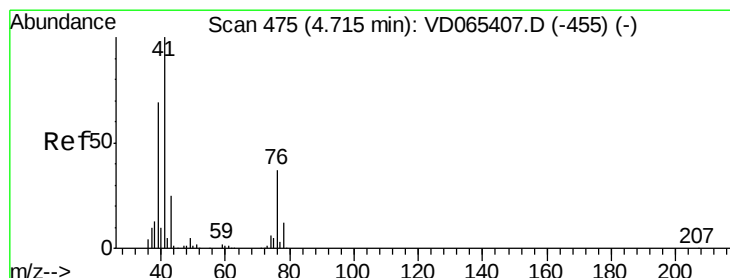
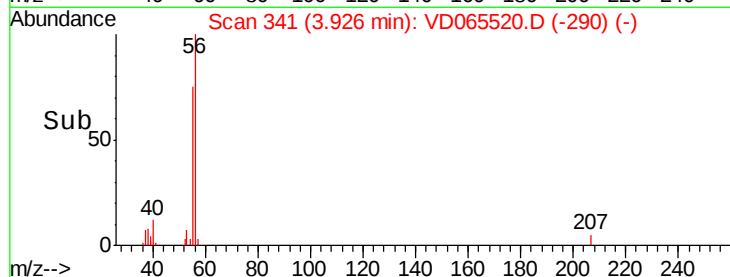
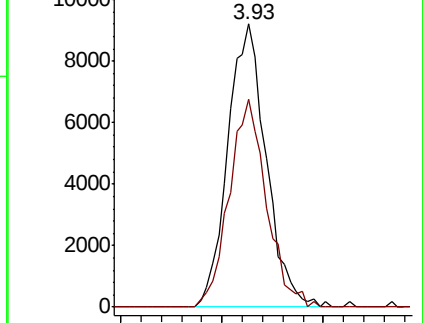
apatel

3/25/2020 10:40:02 AM



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 18.800 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065520.D

Acq: 24 Mar 2020 15:33

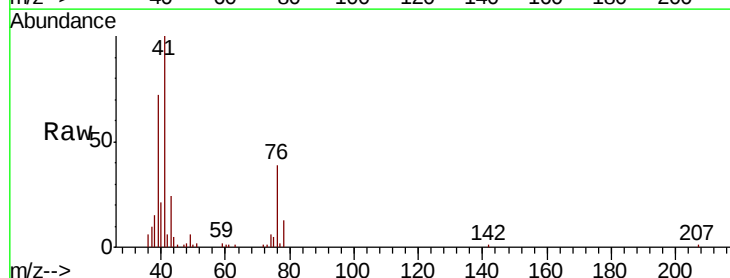
Tgt Ion: 41 Resp: 119269

Ion Ratio Lower Upper

41 100

39 66.0 52.6 79.0

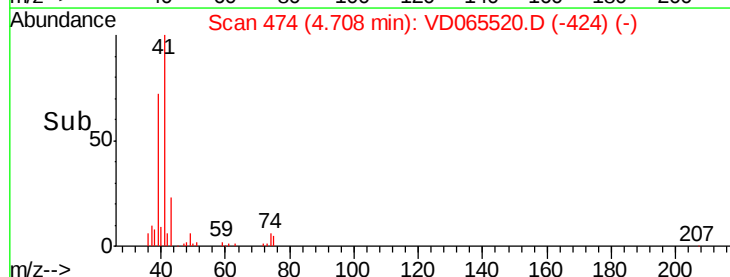
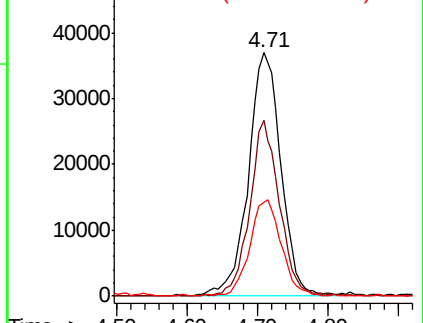
76 38.1 29.2 43.8

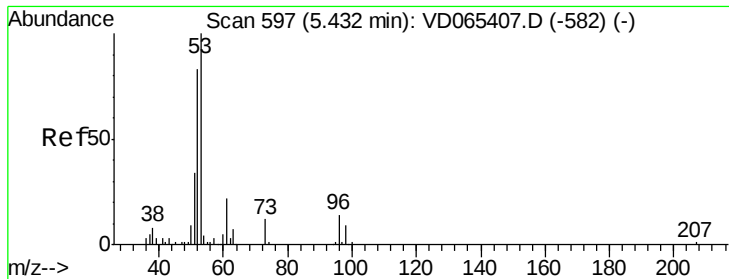


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 98.648 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD065520.D

Acq: 24 Mar 2020 15:33

Instrument :

MSVOA_D

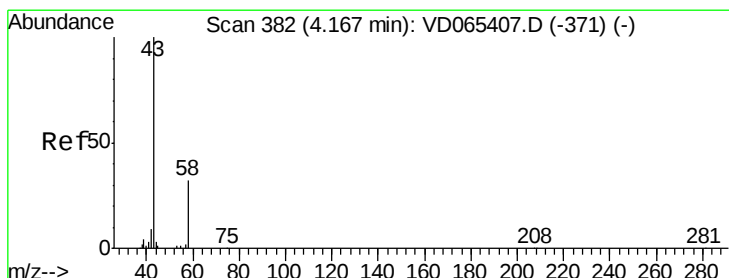
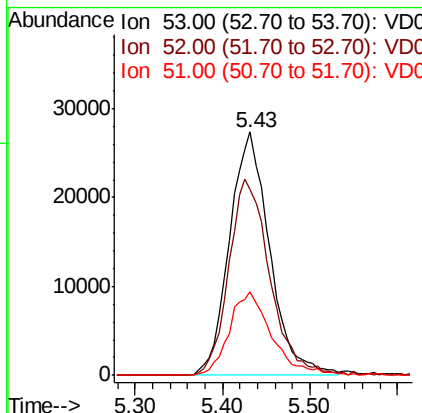
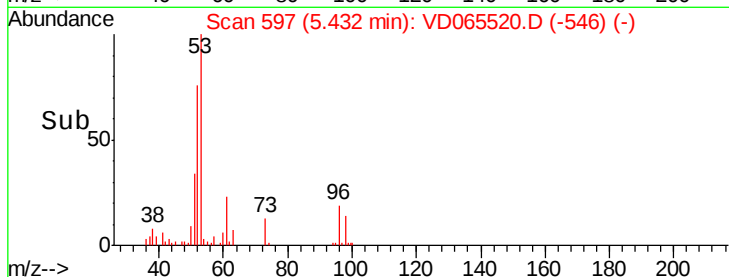
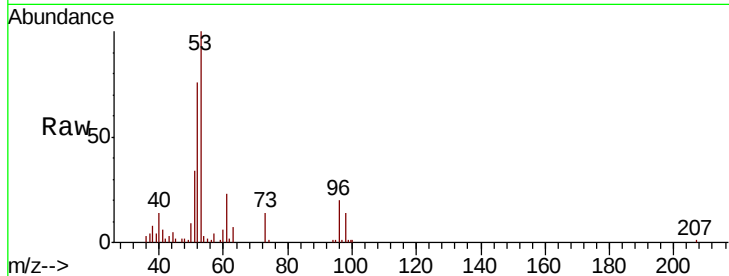
ClientSampleId :

VD0324SBS01

Tot Ion:	53	Resp:	85462
Ion	Ratio	Lower	Upper
53	100		
52	82.2	65.1	97.7
51	36.2	28.5	42.7

Manual Integrations
APPROVED

apatel
3/25/2020 10:40:02 AM



#16

Acetone

Concen: 98.218 ug/l

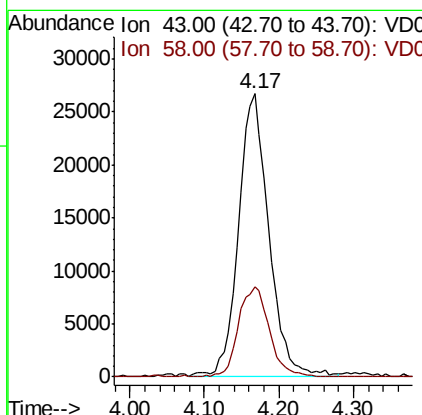
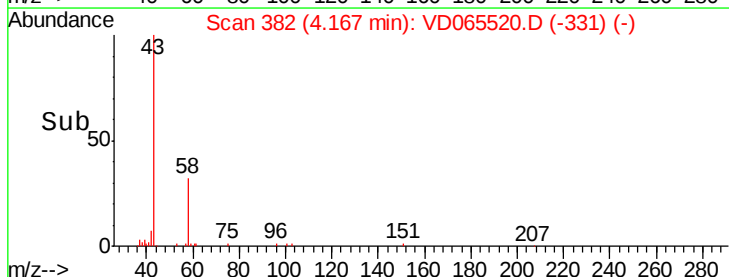
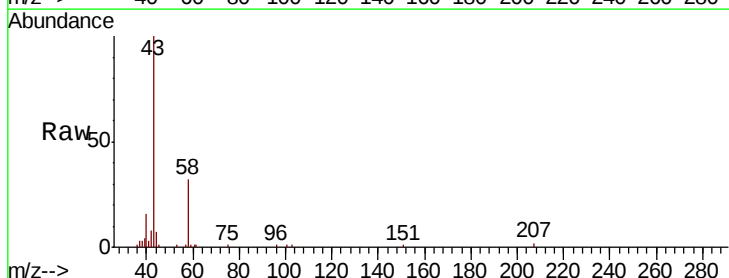
RT: 4.17 min Scan# 382

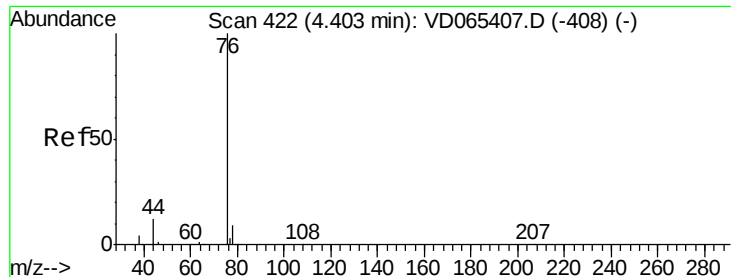
Delta R.T. -0.00 min

Lab File: VD065520.D

Acq: 24 Mar 2020 15:33

Tgt Ion:	43	Resp:	75662
Ion	Ratio	Lower	Upper
43	100		
58	31.8	25.1	37.7





#17

Carbon Disulfide

Concen: 18.368 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD065520.D

Acq: 24 Mar 2020 15:33

Instrument :

MSVOA_D

ClientSampleId :

VD0324SBS01

Tot Ion: 76 Resp: 252608

Ion Ratio Lower Upper

76 100

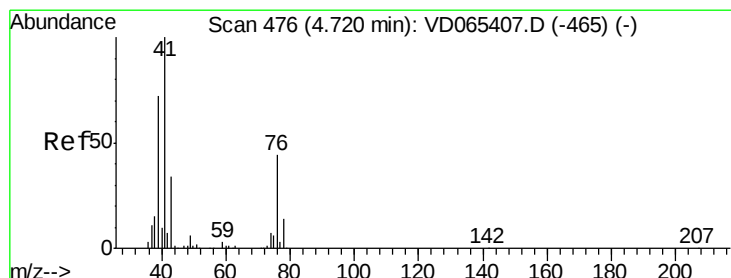
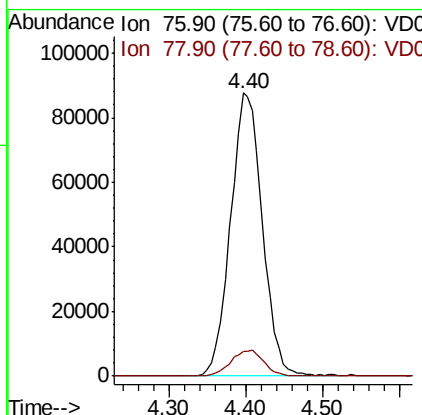
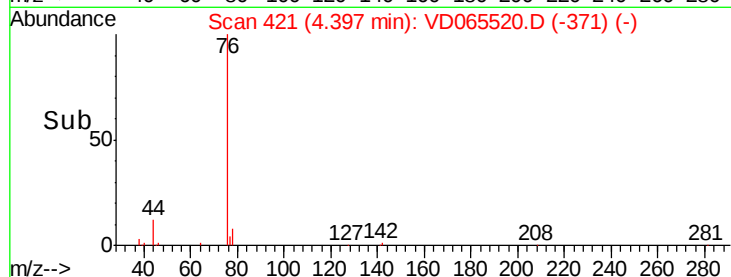
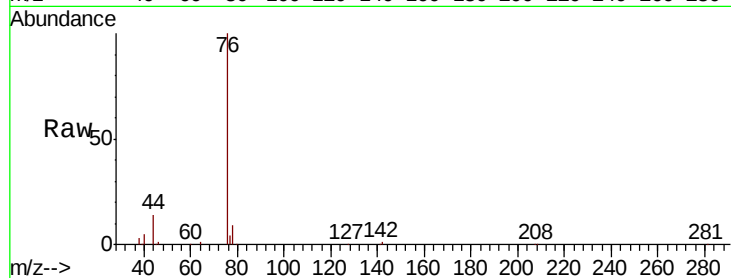
78 9.0 7.4 11.0

Manual Integrations

APPROVED

apatel

3/25/2020 10:40:02 AM



#18

Methyl Acetate

Concen: 20.214 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.01 min

Lab File: VD065520.D

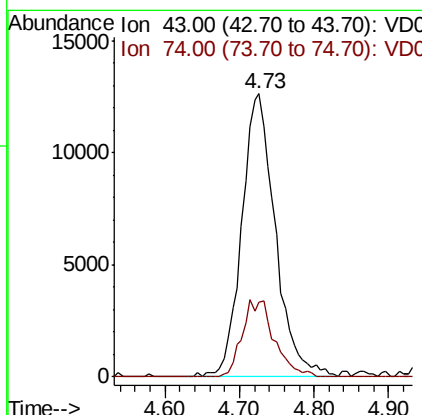
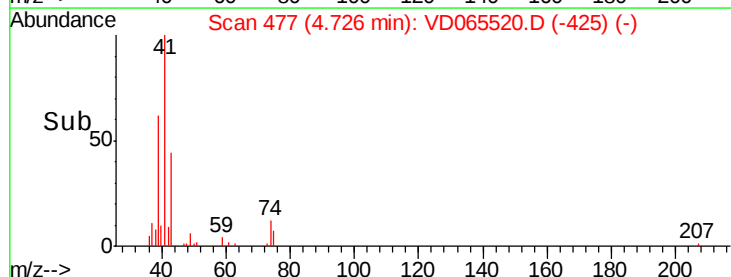
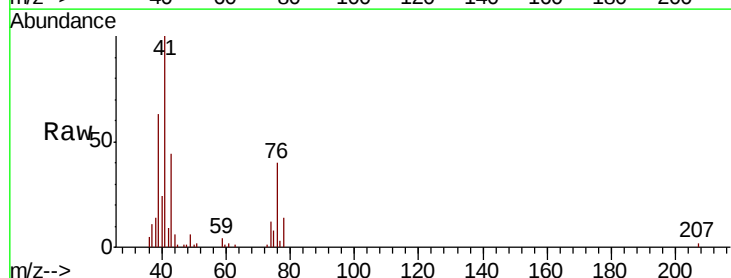
Acq: 24 Mar 2020 15:33

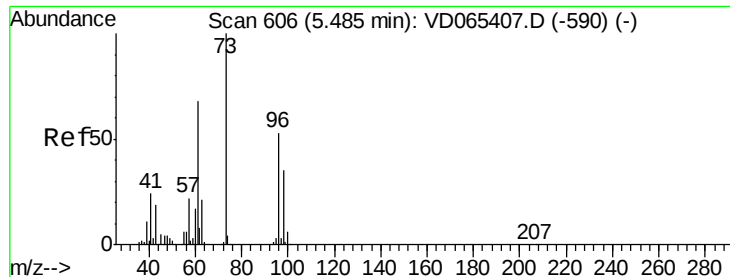
Tgt Ion: 43 Resp: 39501

Ion Ratio Lower Upper

43 100

74 26.0 19.6 29.4





#19

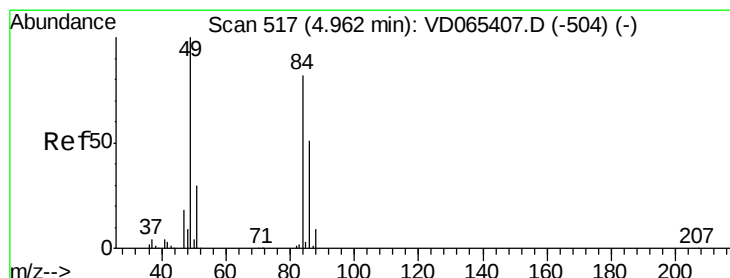
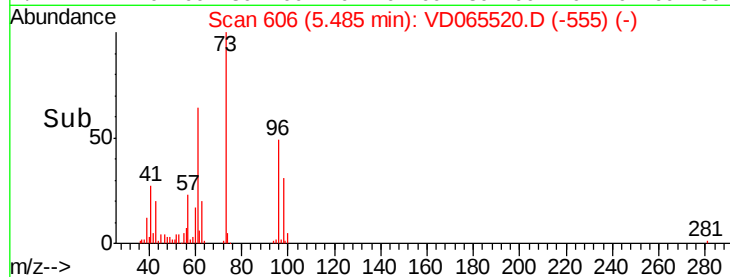
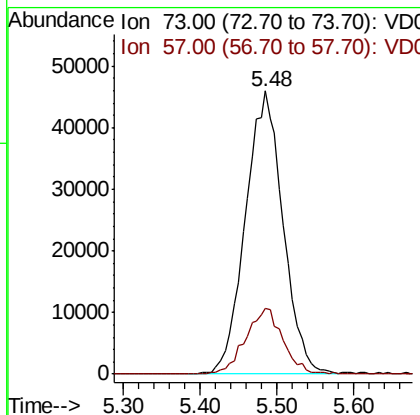
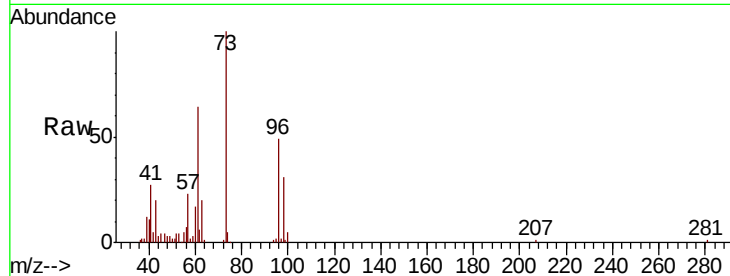
Methyl tert-butyl Ether
 Concen: 19.715 ug/l
 RT: 5.48 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: VD065520.D
 Acq: 24 Mar 2020 15:33

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0324SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.4	17.3	25.9

Manual Integrations
 APPROVED

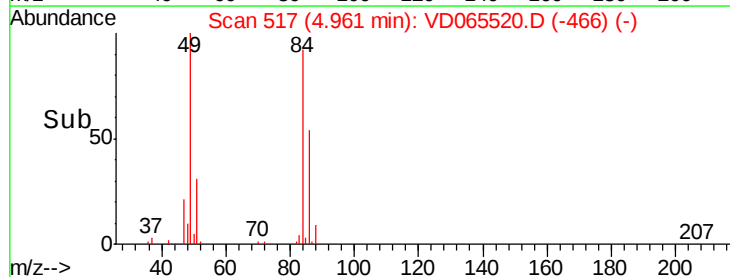
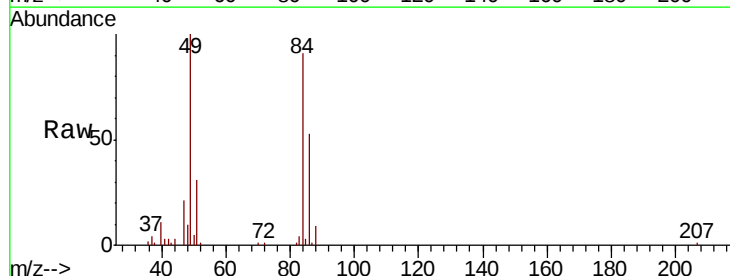
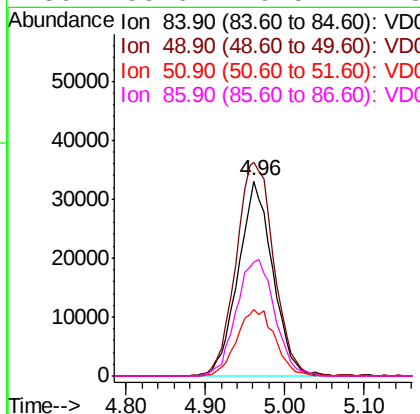
apatel
 3/25/2020 10:40:02 AM

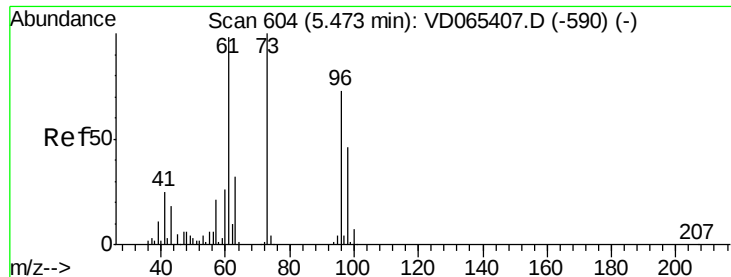


#20

Methylene Chloride
 Concen: 21.960 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VD065520.D
 Acq: 24 Mar 2020 15:33

Tgt Ion	Ratio	Lower	Upper
84	100		
49	109.7	97.7	146.5
51	33.9	28.8	43.2
86	58.6	49.5	74.3





#21

trans-1,2-Dichloroethene

Concen: 20.164 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD065520.D

Acq: 24 Mar 2020 15:33

Instrument :

MSVOA_D

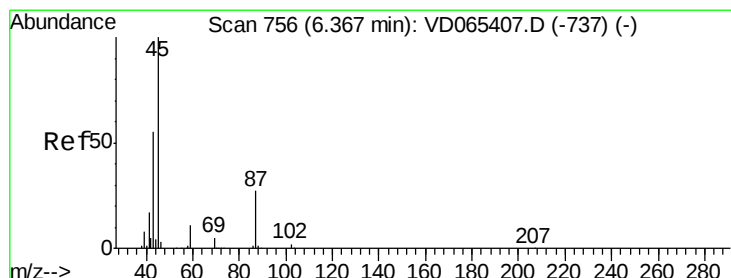
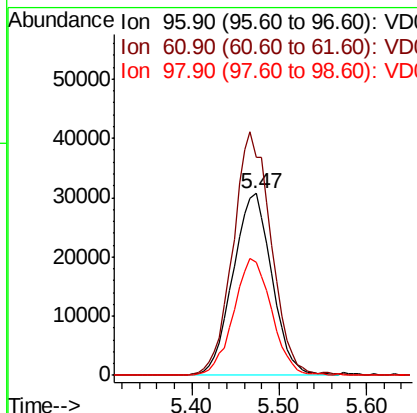
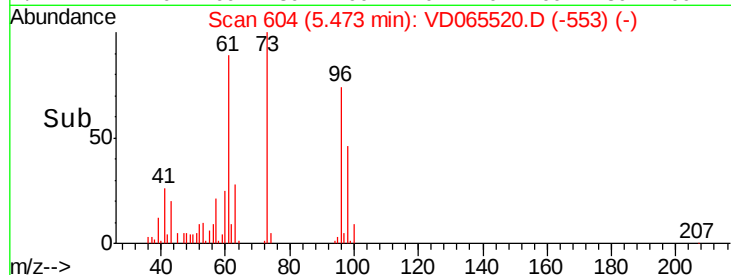
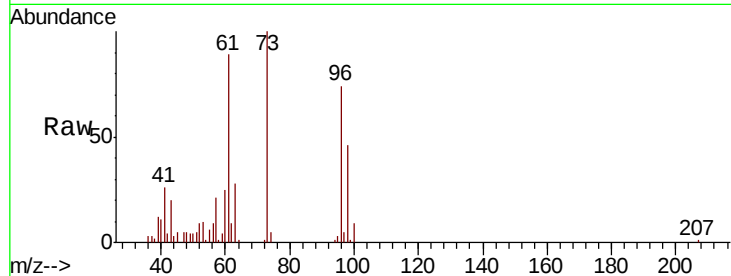
ClientSampleId :

VD0324SBS01

Tot Ion:	96	Resp:	92634
Ion	Ratio	Lower	Upper
96	100		
61	119.5	106.3	159.5
98	62.1	50.2	75.4

Manual Integrations
APPROVED

apatel
3/25/2020 10:40:02 AM



#22

Diisopropyl ether

Concen: 20.990 ug/l

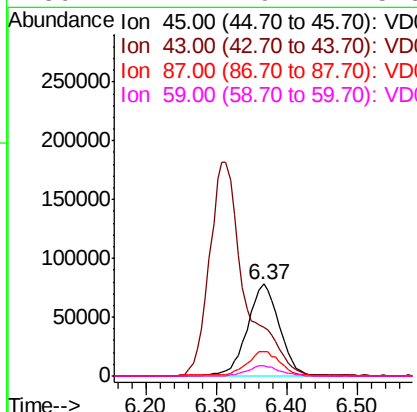
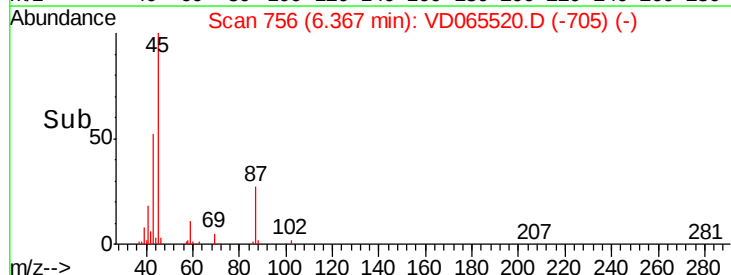
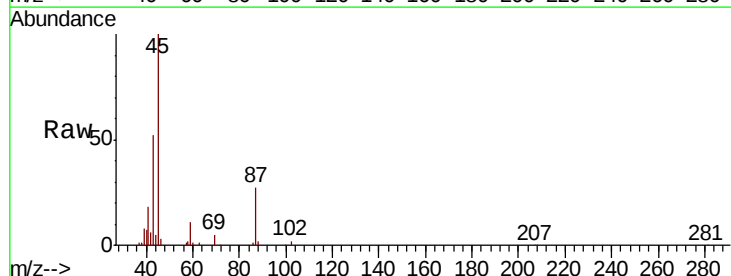
RT: 6.37 min Scan# 756

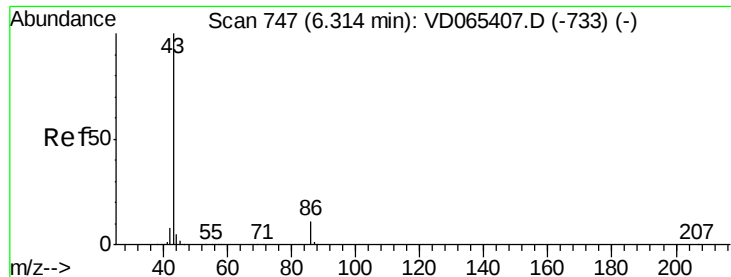
Delta R.T. -0.00 min

Lab File: VD065520.D

Acq: 24 Mar 2020 15:33

Tgt Ion:	45	Resp:	247543
Ion	Ratio	Lower	Upper
45	100		
43	51.1	44.4	66.6
87	26.9	21.9	32.9
59	11.4	9.2	13.8





#23

Vinyl Acetate

Concen: 97.004 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065520.D

Acq: 24 Mar 2020 15:33

Instrument :

MSVOA_D

ClientSampleId :

VD0324SBS01

Tot Ion: 43 Resp: 635192

Ion Ratio Lower Upper

43 100

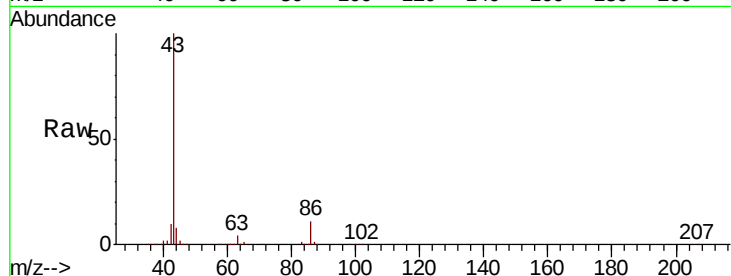
86 10.9 8.9 13.3

Manual Integrations

APPROVED

apatel

3/25/2020 10:40:02 AM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

200000

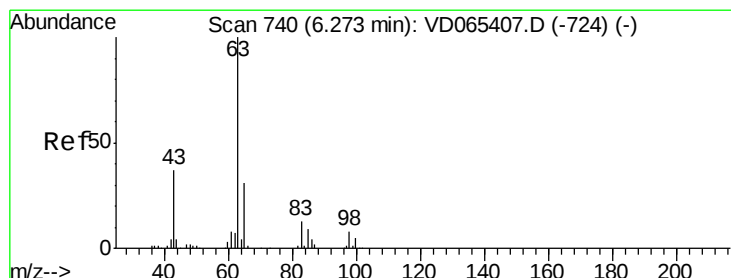
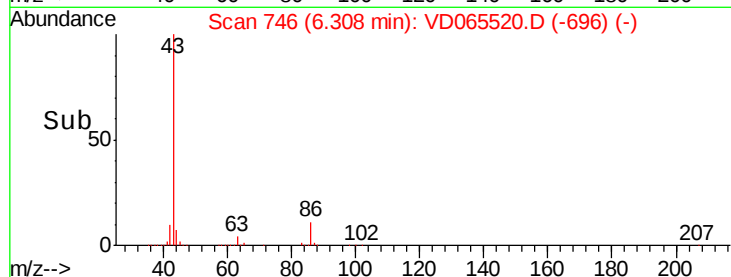
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.801 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD065520.D

Acq: 24 Mar 2020 15:33

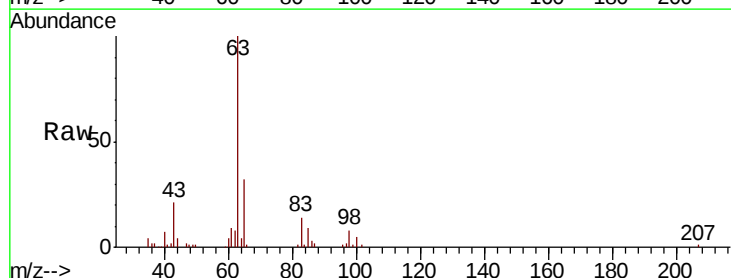
Tgt Ion: 63 Resp: 157344

Ion Ratio Lower Upper

63 100

98 7.8 4.2 12.6

100 5.2 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.27

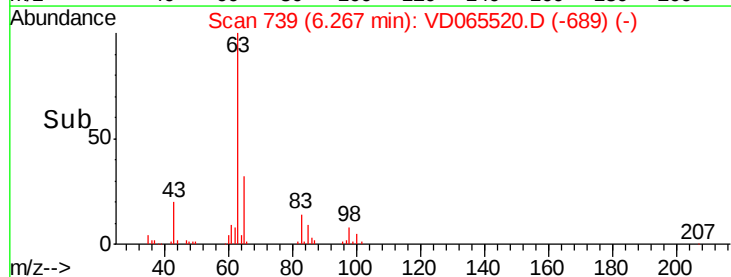
60000

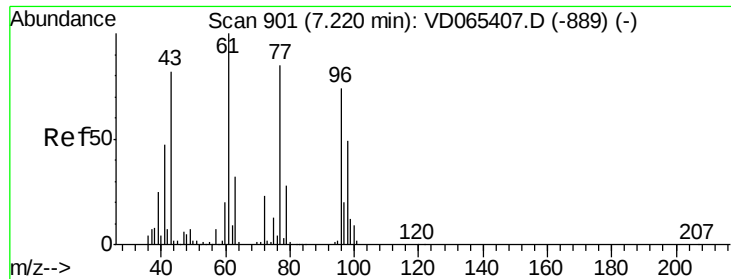
40000

20000

0

Time-->





#25

2-Butanone

Concen: 95.459 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD065520.D

Acq: 24 Mar 2020 15:33

Instrument :

MSVOA_D

ClientSampleId :

VD0324SBS01

Tot Ion: 43 Resp: 100352

Ion Ratio Lower Upper

43 100

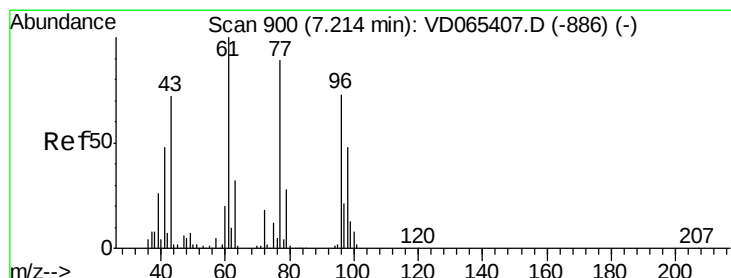
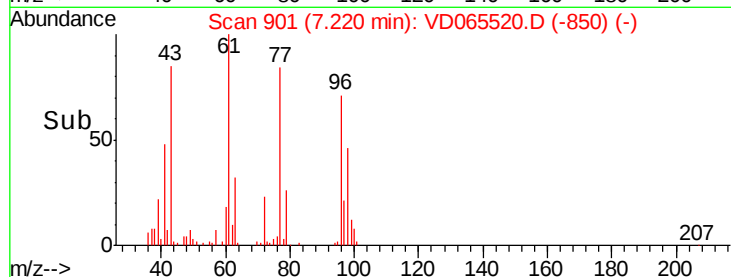
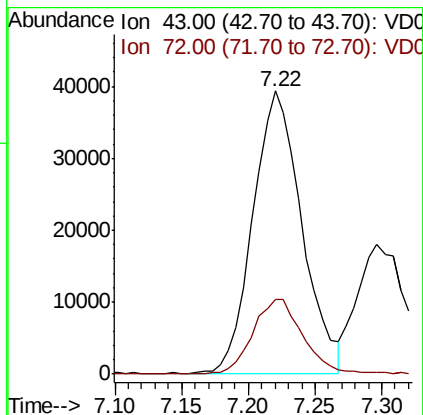
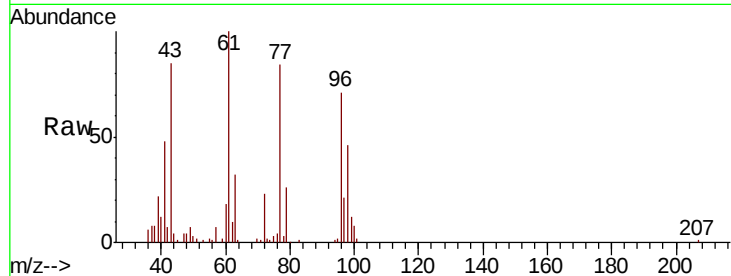
72 26.3 22.3 33.5

Manual Integrations

APPROVED

apatel

3/25/2020 10:40:02 AM



#26

2,2-Dichloropropane

Concen: 20.524 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065520.D

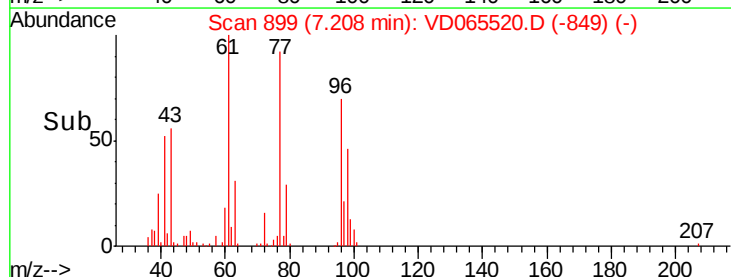
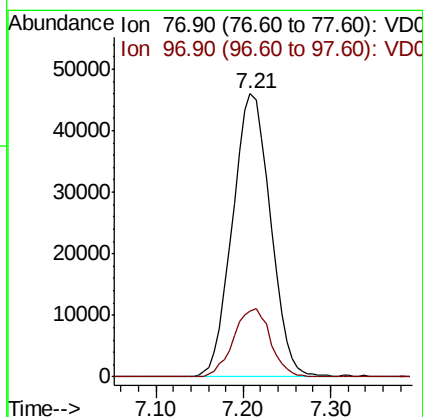
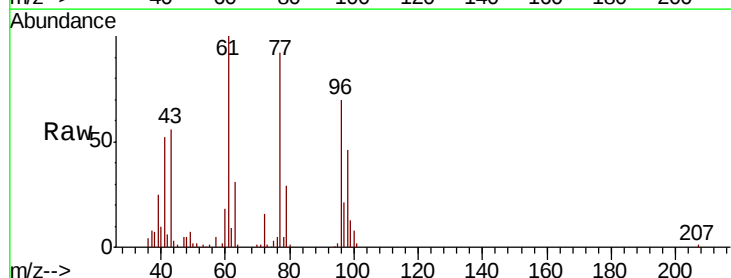
Acq: 24 Mar 2020 15:33

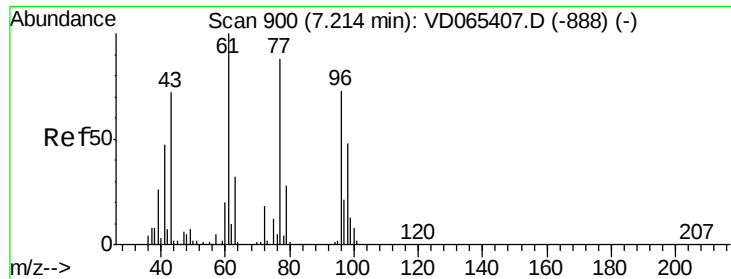
Tgt Ion: 77 Resp: 135670

Ion Ratio Lower Upper

77 100

97 23.5 11.8 35.4





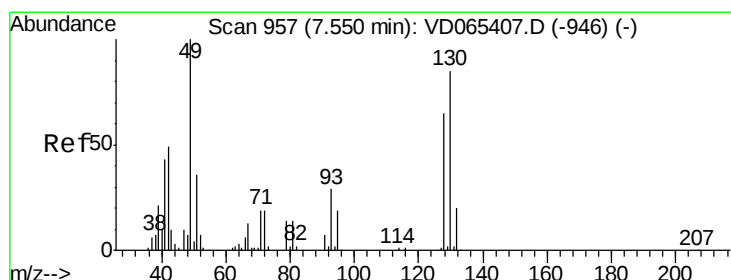
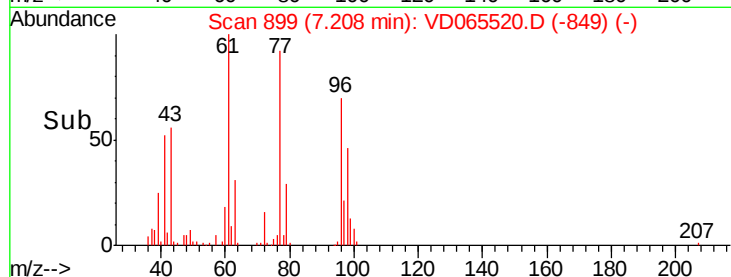
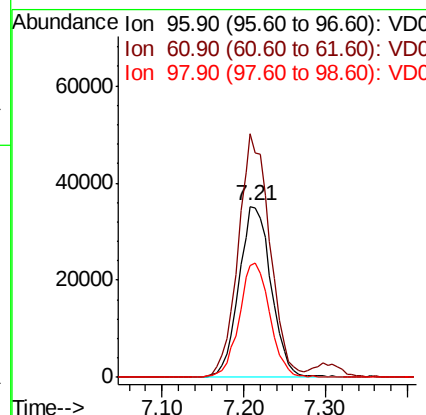
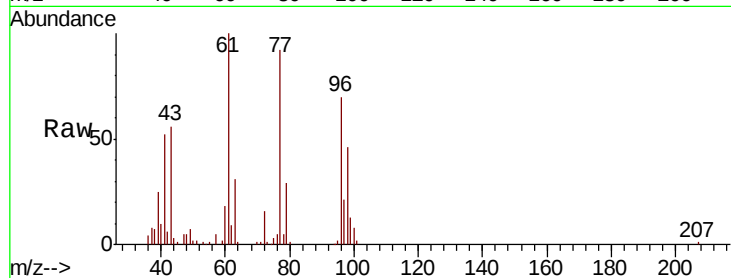
#27
 cis-1,2-Dichloroethene
 Concen: 20.599 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD065520.D
 Acq: 24 Mar 2020 15:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0324SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	139.0	0.0	280.4	
98	63.3	0.0	132.6	

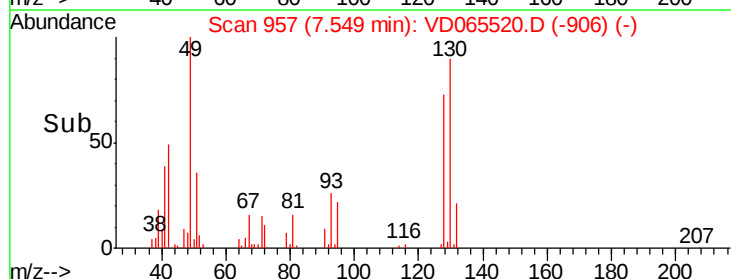
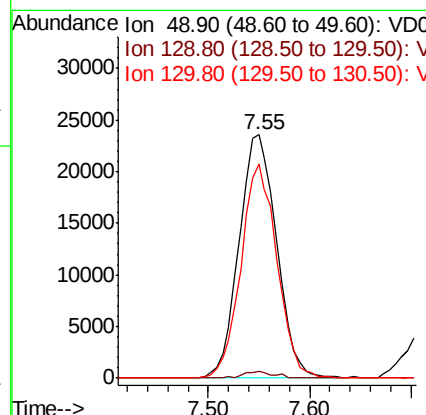
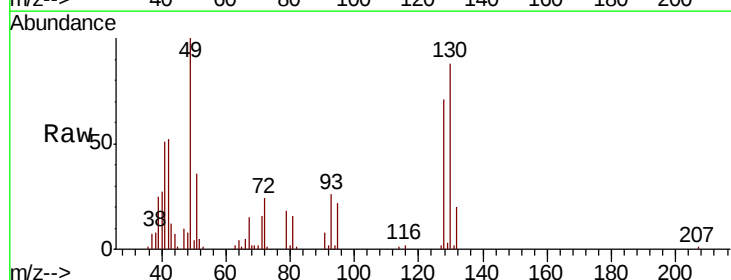
Manual Integrations
 APPROVED

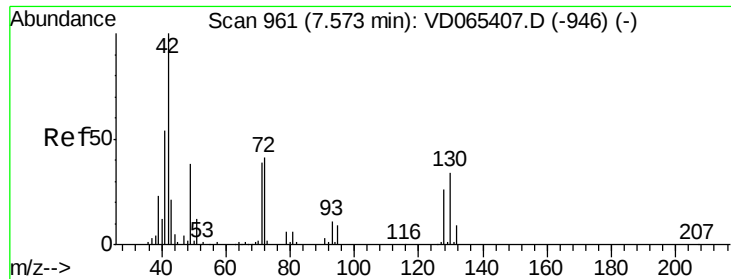
apatel
 3/25/2020 10:40:02 AM



#28
 Bromochloromethane
 Concen: 20.082 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.00 min
 Lab File: VD065520.D
 Acq: 24 Mar 2020 15:33

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.2	0.0	4.6	
130	84.4	66.6	100.0	





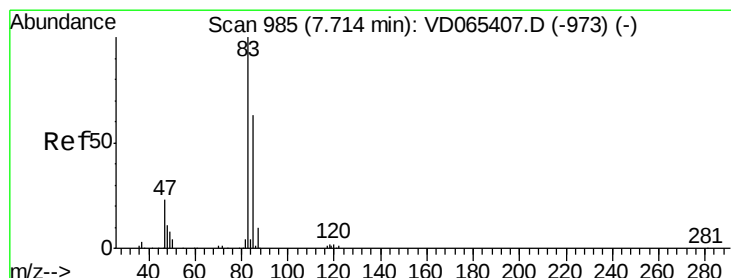
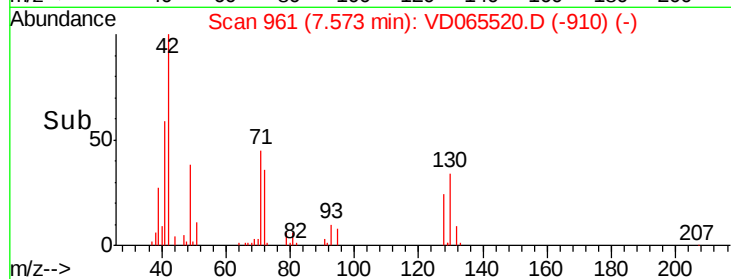
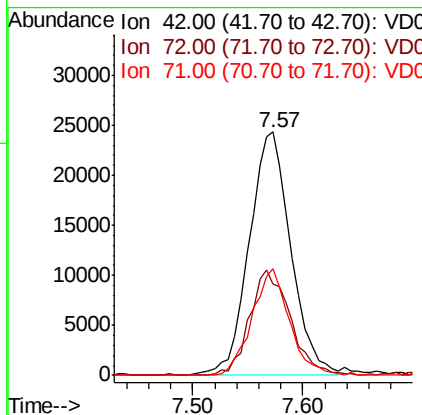
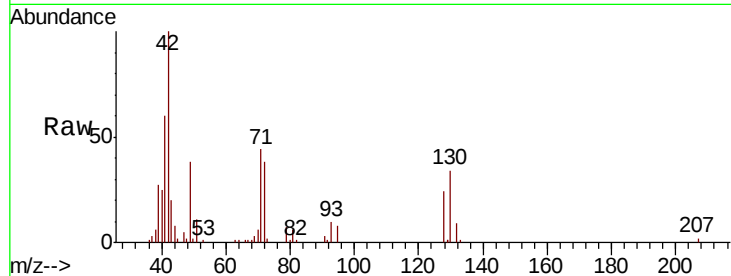
#29
Tetrahydrofuran
Concen: 95.673 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD065520.D
Acq: 24 Mar 2020 15:33

Instrument :
MSVOA_D
ClientSampleId :
VD0324SBS01

Tot Ion:	42	Resp:	64229
Ion	Ratio	Lower	Upper
42	100		
72	42.4	33.0	49.6
71	39.3	32.0	48.0

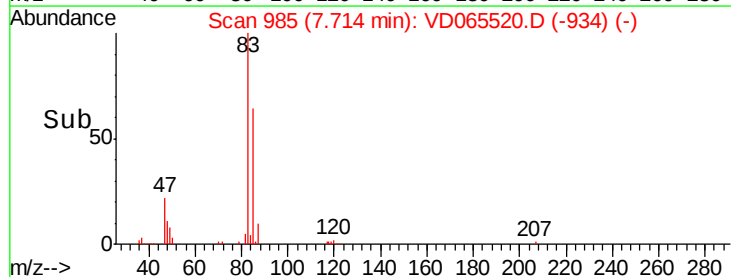
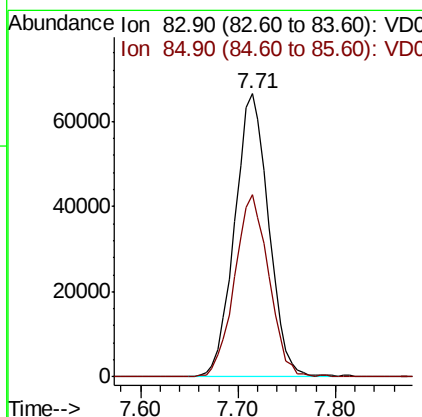
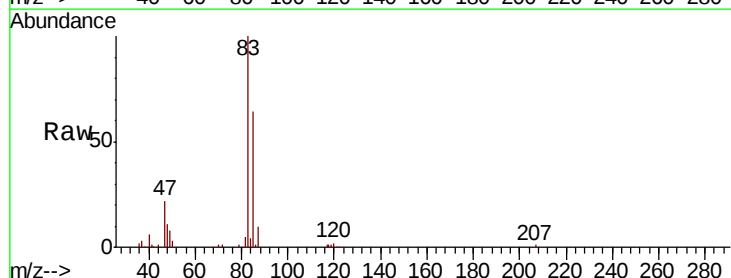
Manual Integrations
APPROVED

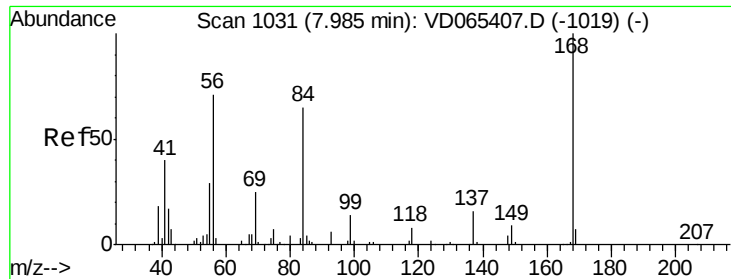
apatel
3/25/2020 10:40:02 AM



#30
Chloroform
Concen: 21.238 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD065520.D
Acq: 24 Mar 2020 15:33

Tgt Ion:	83	Resp:	160573
Ion	Ratio	Lower	Upper
83	100		
85	64.2	50.3	75.5





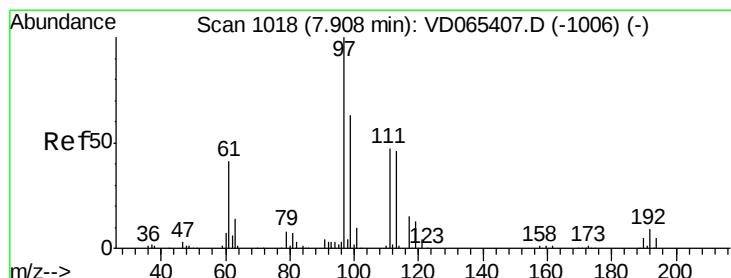
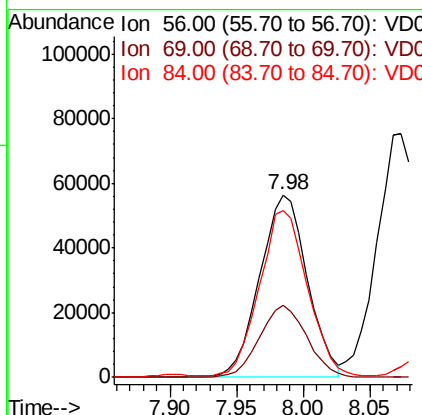
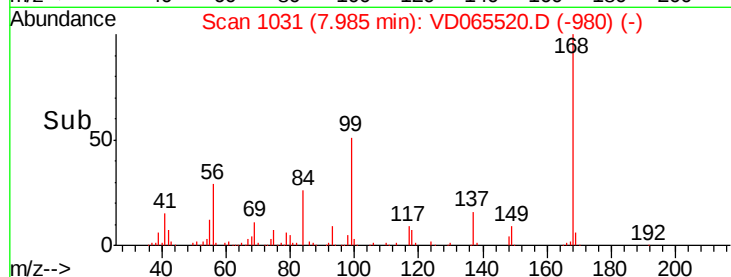
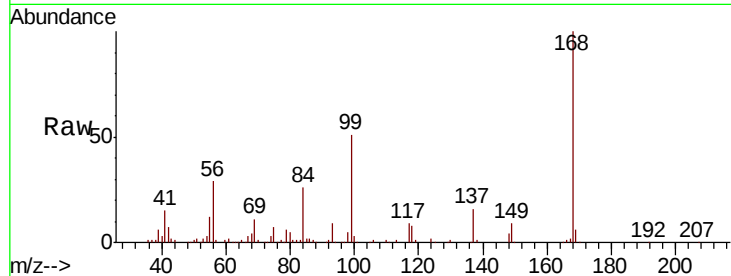
#31
Cyclohexane
Concen: 18.409 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065520.D
Acq: 24 Mar 2020 15:33

Instrument :
MSVOA_D
ClientSampleId :
VD0324SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	39.2	28.3	42.5
84	90.1	73.1	109.7

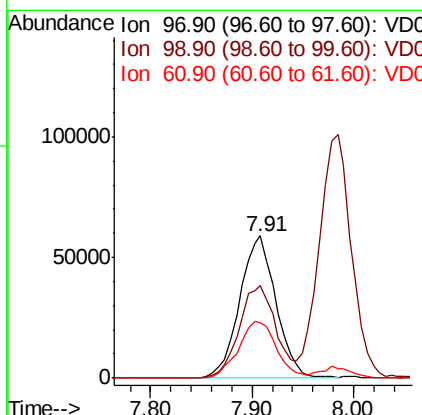
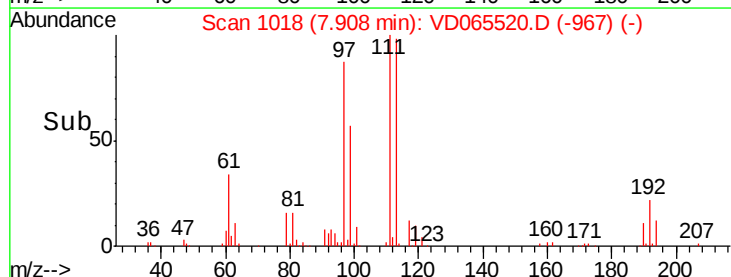
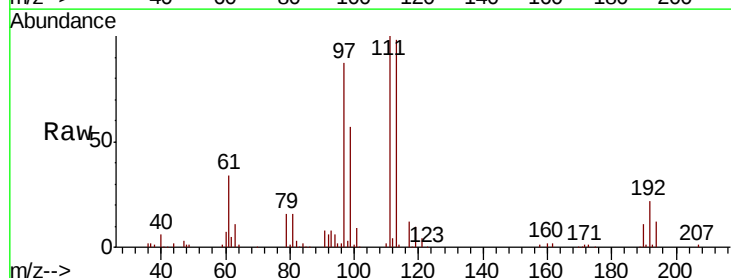
Manual Integrations
APPROVED

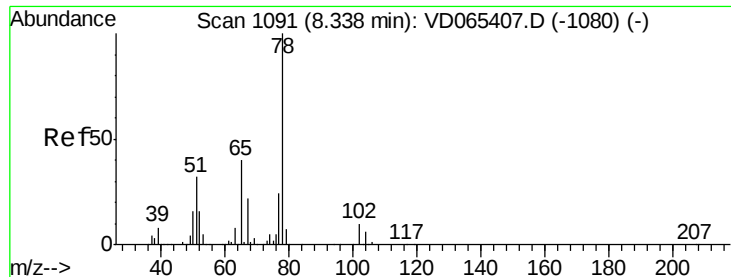
apatel
3/25/2020 10:40:02 AM



#32
1,1,1-Trichloroethane
Concen: 20.942 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VD065520.D
Acq: 24 Mar 2020 15:33

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.4	50.9	76.3
61	41.8	33.2	49.8





#33

1,2-Dichloroethane-d4

Concen: 48.936 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD065520.D

Acq: 24 Mar 2020 15:33

Instrument :

MSVOA_D

ClientSampleId :

VD0324SBS01

Tot Ion: 65 Resp: 186399

Ion Ratio Lower Upper

65 100

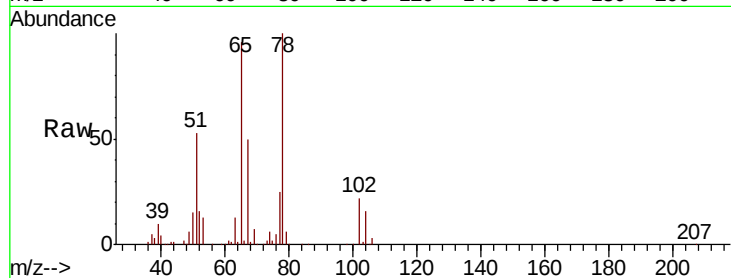
67 53.5 0.0 108.0

Manual Integrations

APPROVED

apatel

3/25/2020 10:40:02 AM



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.34

80000

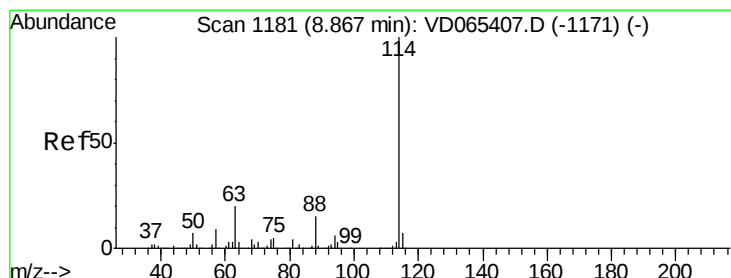
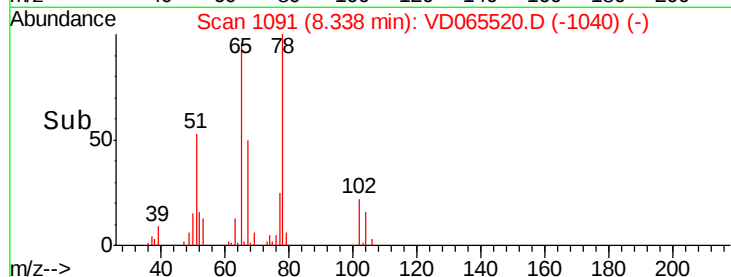
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD065520.D

Acq: 24 Mar 2020 15:33

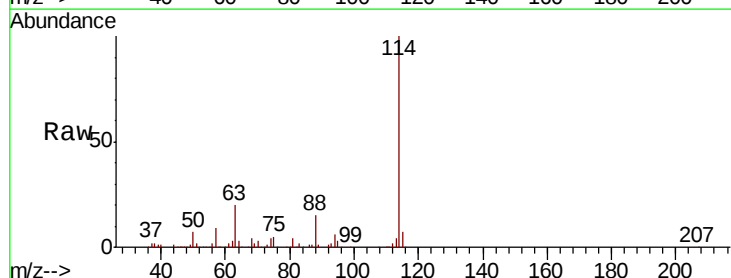
Tgt Ion: 114 Resp: 631183

Ion Ratio Lower Upper

114 100

63 20.1 0.0 39.6

88 14.8 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.87

400000

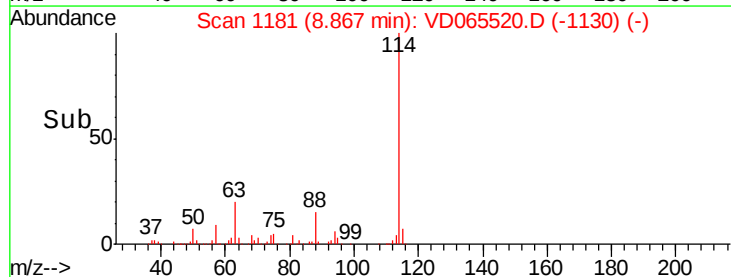
300000

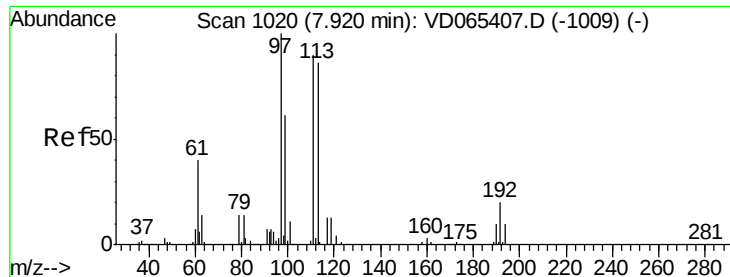
200000

100000

0

Time-->





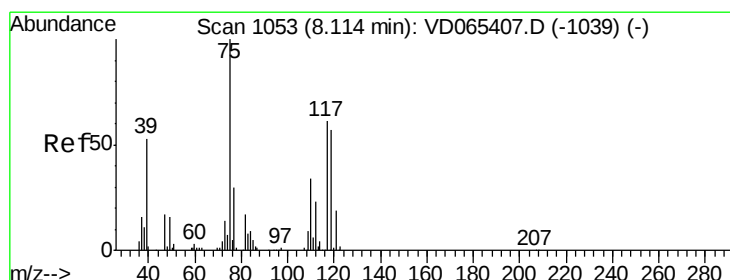
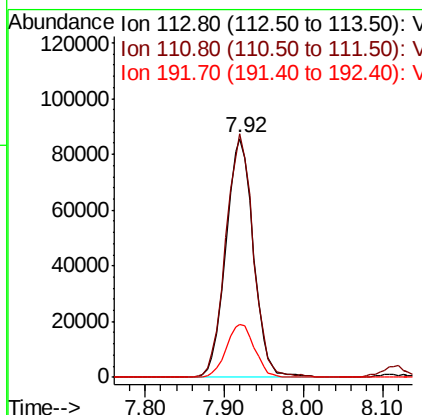
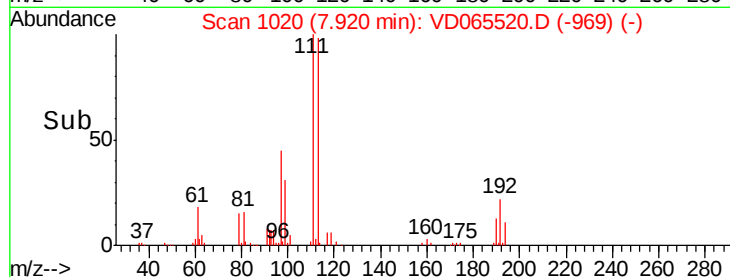
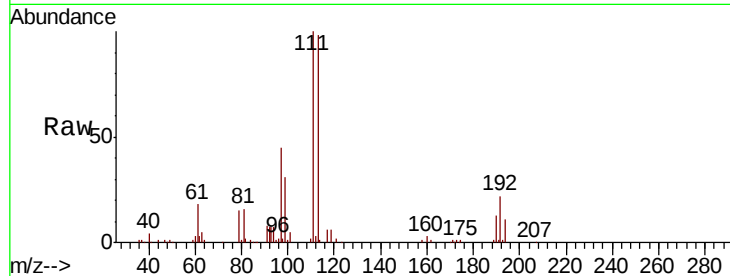
#35
 Dibromofluoromethane
 Concen: 52.551 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065520.D
 Acq: 24 Mar 2020 15:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0324SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.1	123.1
192	22.7	17.2	25.8

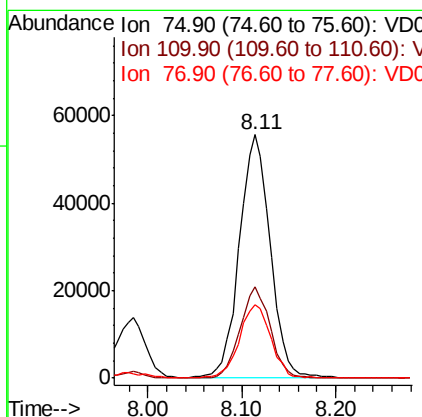
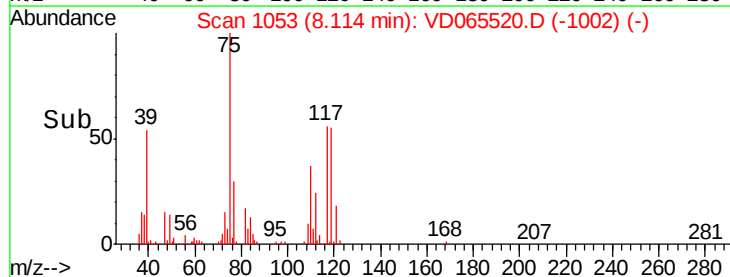
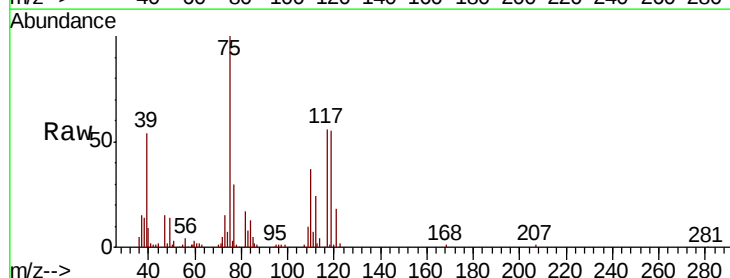
Manual Integrations
 APPROVED

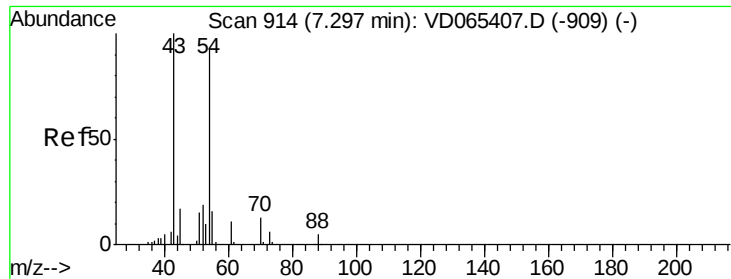
apatel
 3/25/2020 10:40:02 AM



#36
 1,1-Dichloropropene
 Concen: 20.973 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065520.D
 Acq: 24 Mar 2020 15:33

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.3	18.1	54.1
77	30.8	25.2	37.8





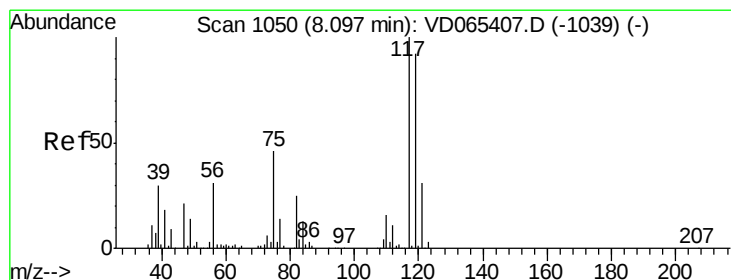
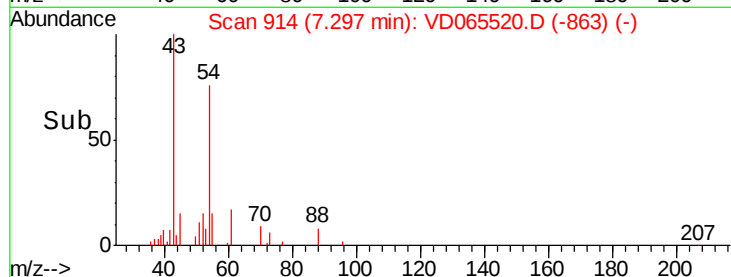
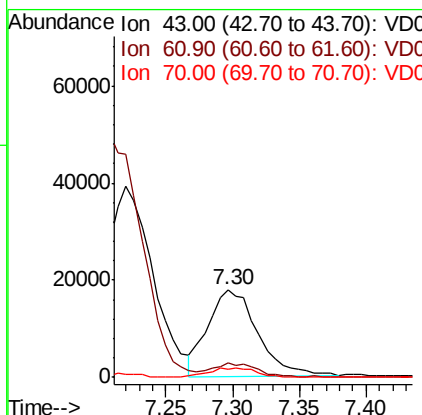
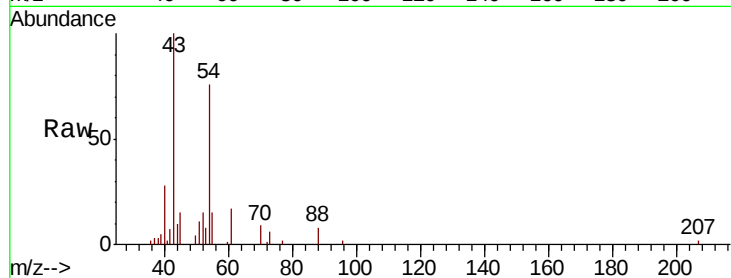
#37
Ethyl Acetate
Concen: 19.753 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD065520.D
Acq: 24 Mar 2020 15:33

Instrument :
MSVOA_D
ClientSampleId :
VD0324SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.5	11.4	17.0
70	10.4	9.0	13.4

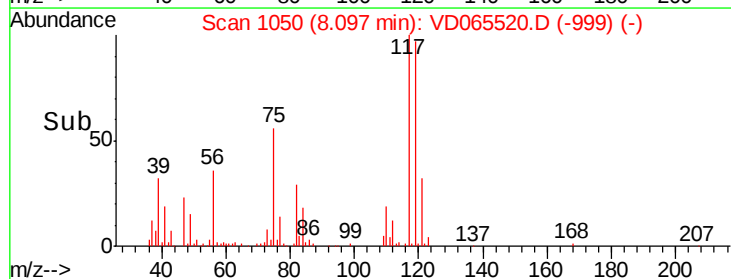
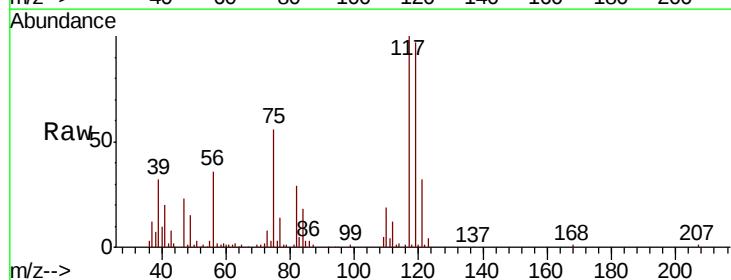
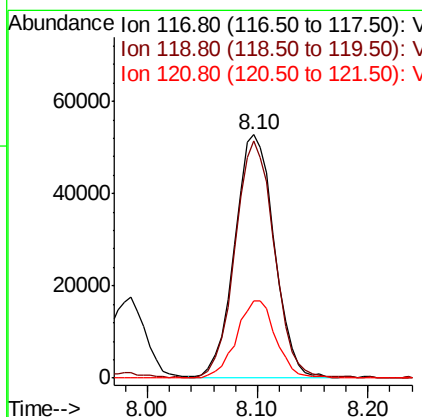
Manual Integrations
APPROVED

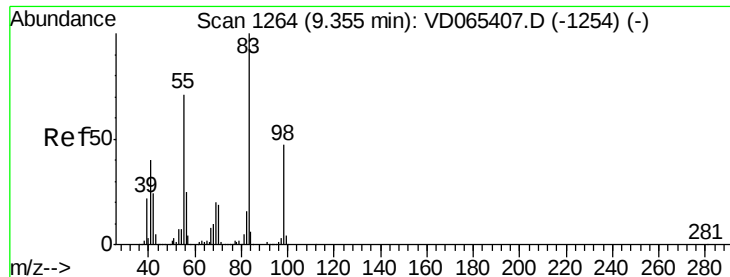
apatel
3/25/2020 10:40:02 AM



#38
Carbon Tetrachloride
Concen: 21.096 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065520.D
Acq: 24 Mar 2020 15:33

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.8	73.3	109.9
121	31.7	25.0	37.4





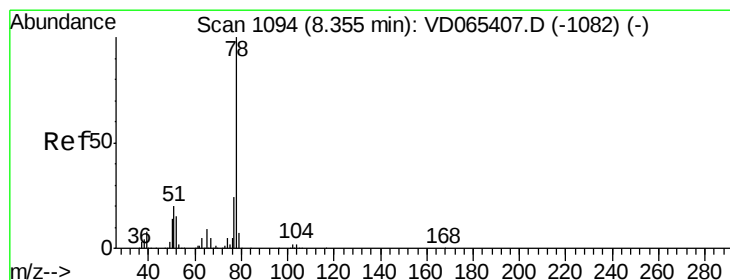
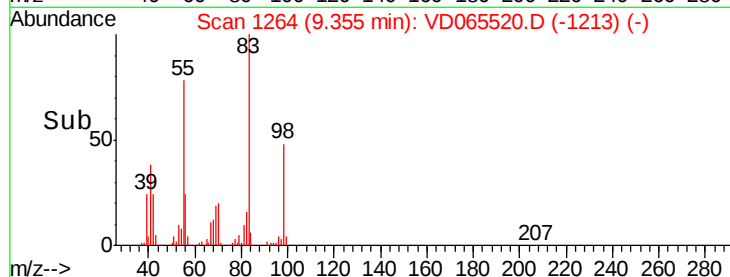
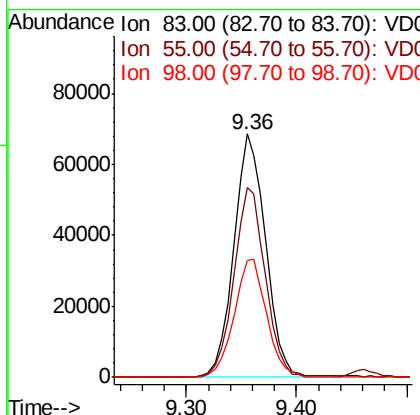
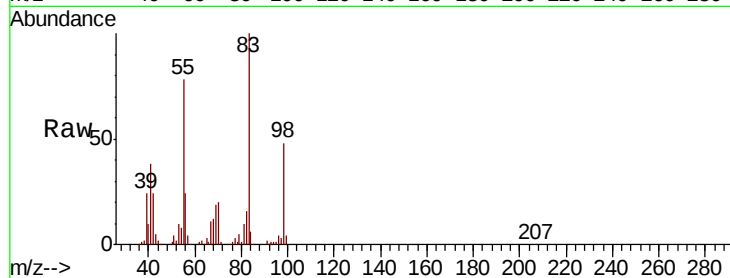
#39
Methvlcvclohexane
Concen: 18.985 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065520.D
Acq: 24 Mar 2020 15:33

Instrument :
MSVOA_D
ClientSampleId :
VD0324SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.2	57.1	85.7
98	47.8	37.8	56.8

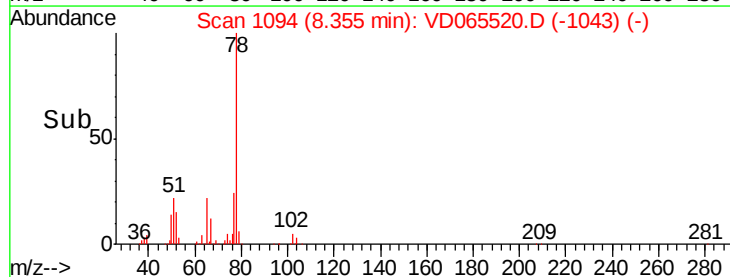
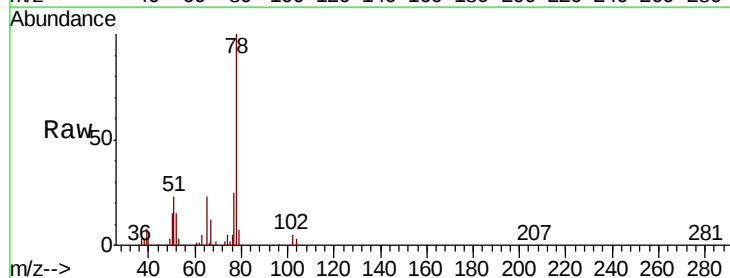
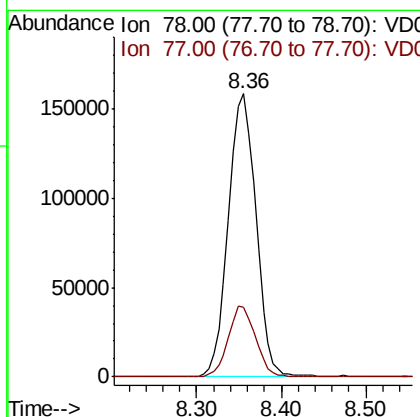
Manual Integrations
APPROVED

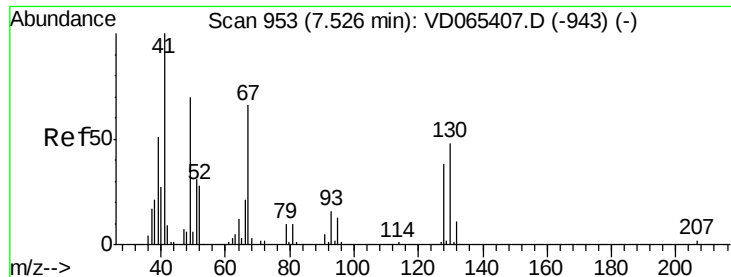
apatel
3/25/2020 10:40:02 AM



#40
Benzene
Concen: 21.245 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065520.D
Acq: 24 Mar 2020 15:33

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	19.4	29.0





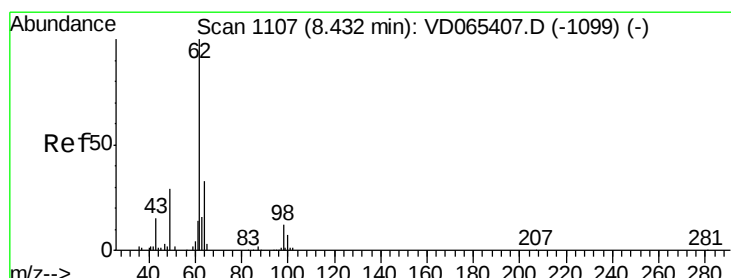
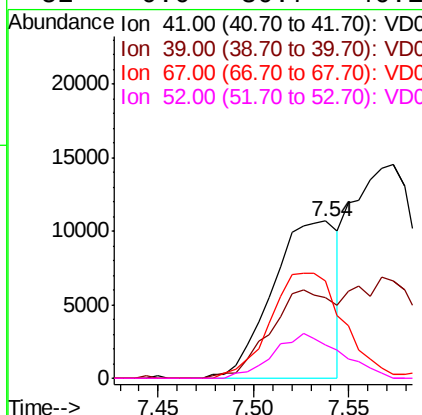
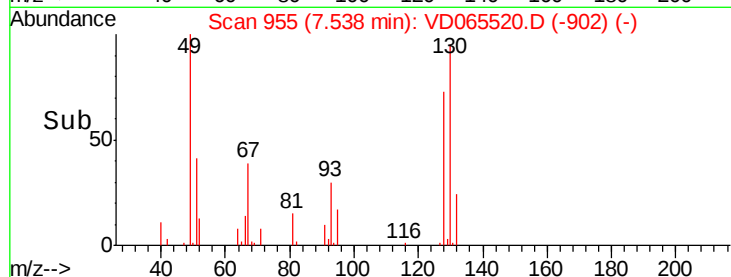
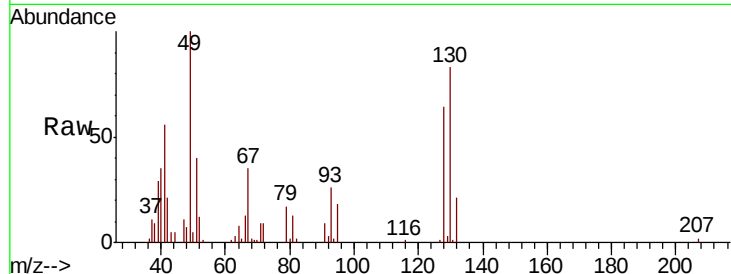
#41
Methacrylonitrile
Concen: 20.539 ug/l m
RT: 7.54 min Scan# 955
Delta R.T. 0.01 min
Lab File: VD065520.D
Acq: 24 Mar 2020 15:33

Instrument :
MSVOA_D
ClientSampleId :
VD0324SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	55.0	82.6#
67	0.0	70.3	105.5#
52	0.0	30.7	46.1#

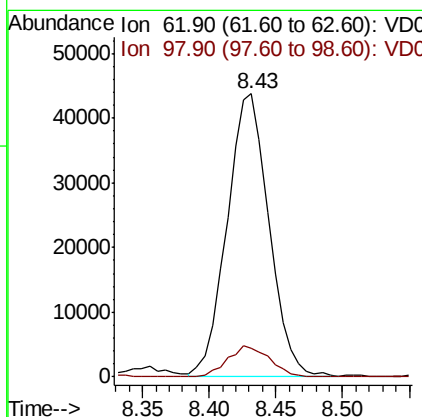
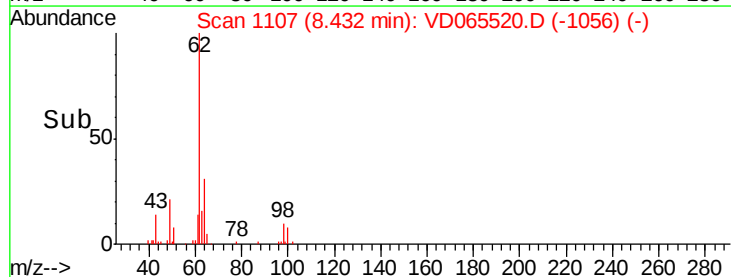
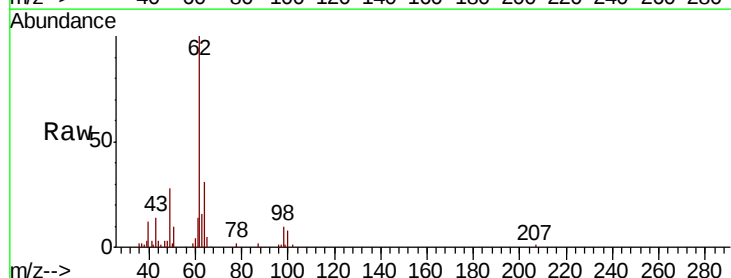
Manual Integrations
APPROVED

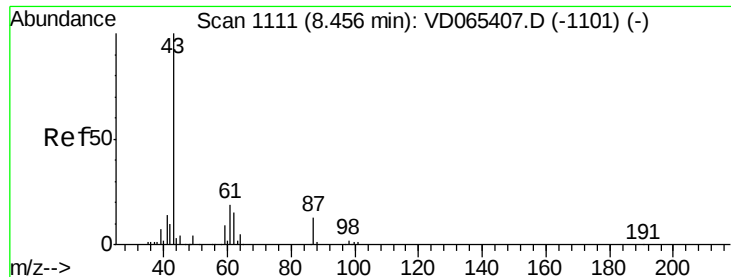
apatel
3/25/2020 10:40:02 AM



#42
1,2-Dichloroethane
Concen: 21.537 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. -0.00 min
Lab File: VD065520.D
Acq: 24 Mar 2020 15:33

Tgt Ion	Ratio	Lower	Upper
62	100		
98	11.1	0.0	21.4





#43

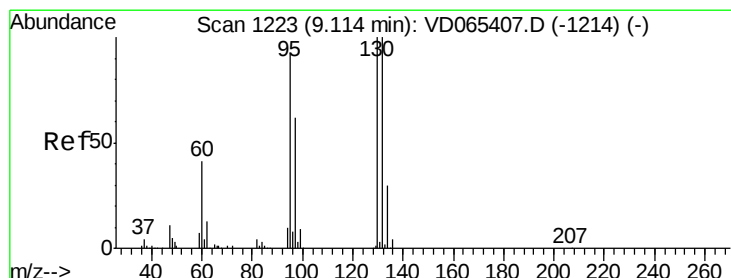
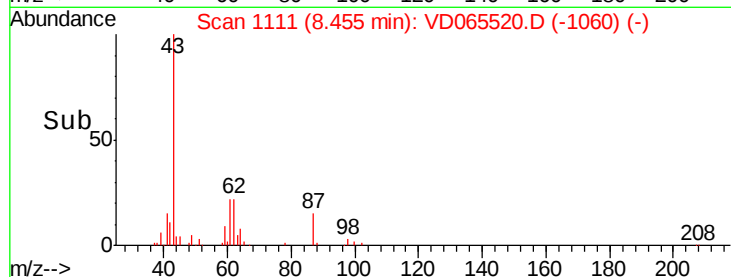
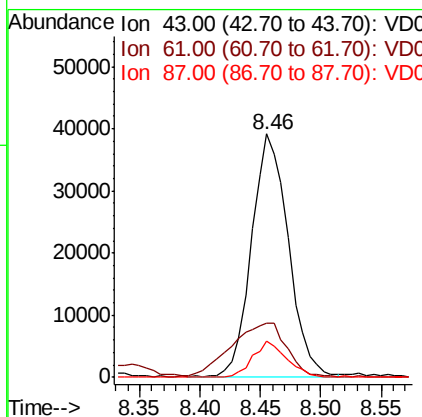
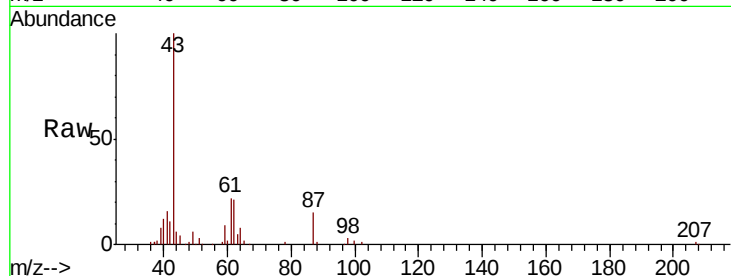
Isopropyl Acetate
 Concen: 19.298 ug/l
 RT: 8.46 min Scan# 1111
 Delta R.T. -0.00 min
 Lab File: VD065520.D
 Acq: 24 Mar 2020 15:33

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0324SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	33.6	25.0	37.6
87	13.6	11.0	16.4

Manual Integrations
 APPROVED

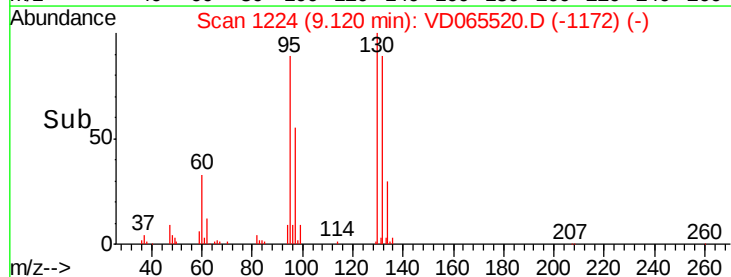
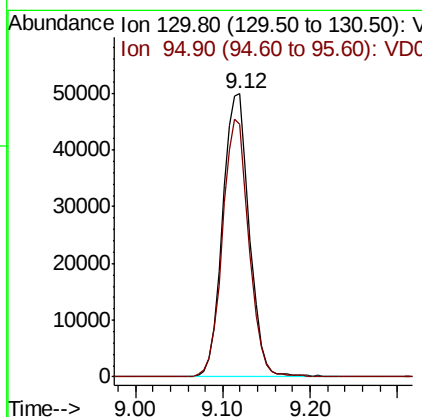
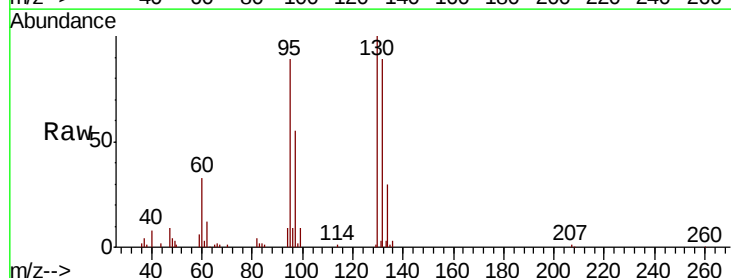
apatel
 3/25/2020 10:40:02 AM

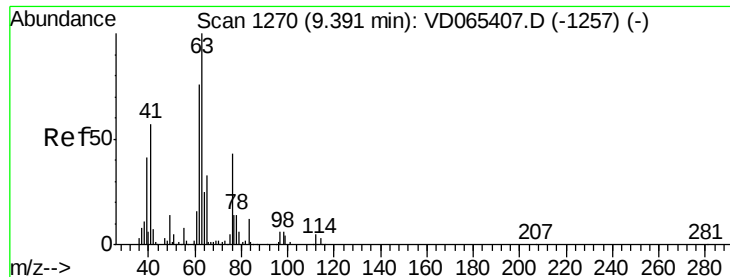


#44

Trichloroethene
 Concen: 21.853 ug/l
 RT: 9.12 min Scan# 1224
 Delta R.T. 0.01 min
 Lab File: VD065520.D
 Acq: 24 Mar 2020 15:33

Tgt Ion	Ratio	Lower	Upper
130	100		
95	89.1	0.0	186.0





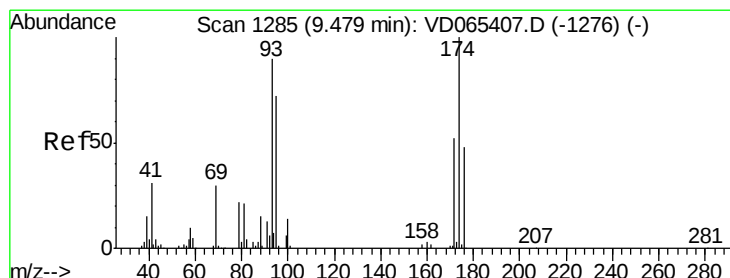
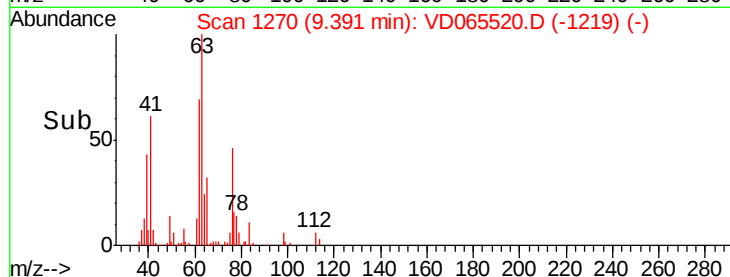
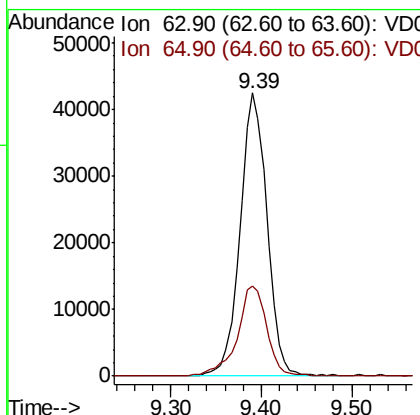
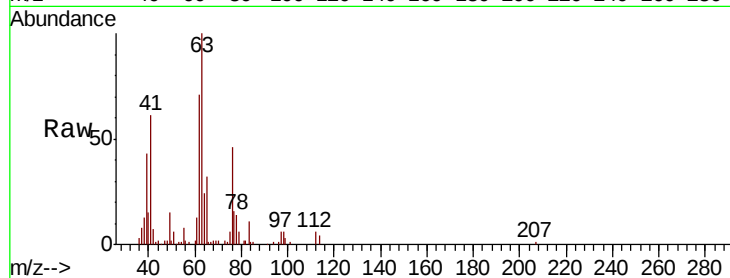
#45
 1,2-Dichloropropane
 Concen: 21.363 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD065520.D
 Acq: 24 Mar 2020 15:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0324SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.8	26.4	39.6

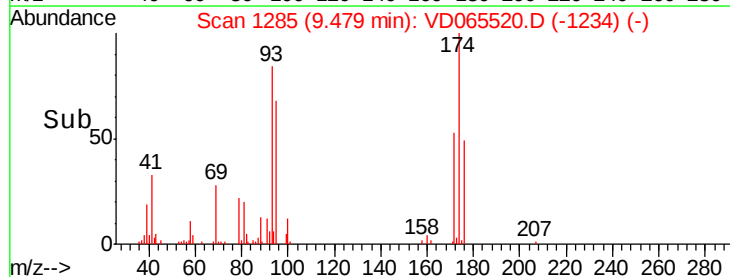
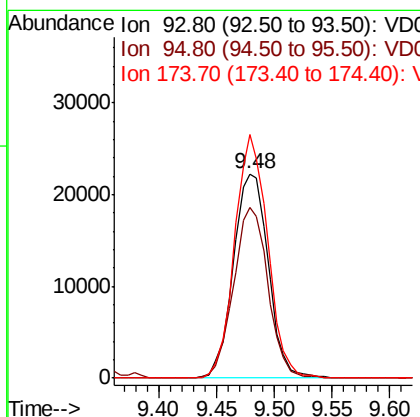
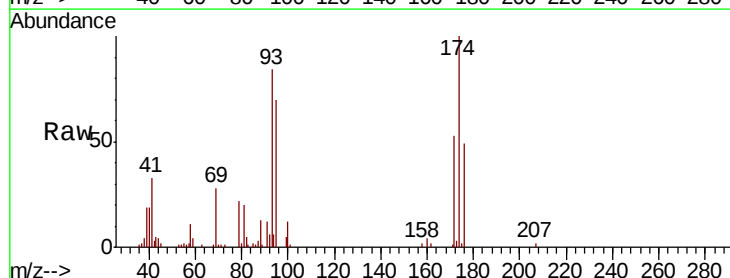
Manual Integrations
 APPROVED

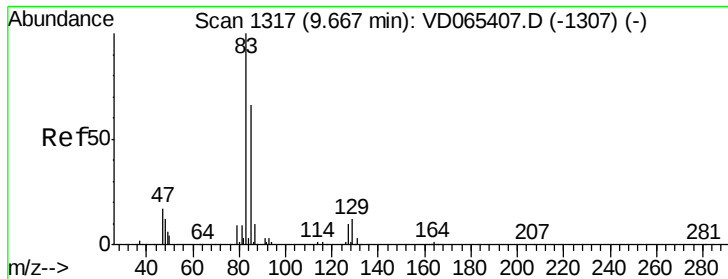
apatel
 3/25/2020 10:40:02 AM



#46
 Dibromomethane
 Concen: 21.999 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD065520.D
 Acq: 24 Mar 2020 15:33

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.2	65.0	97.6
174	112.4	88.3	132.5





#47

Bromodichloromethane

Concen: 21.889 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065520.D

Acq: 24 Mar 2020 15:33

Instrument :

MSVOA_D

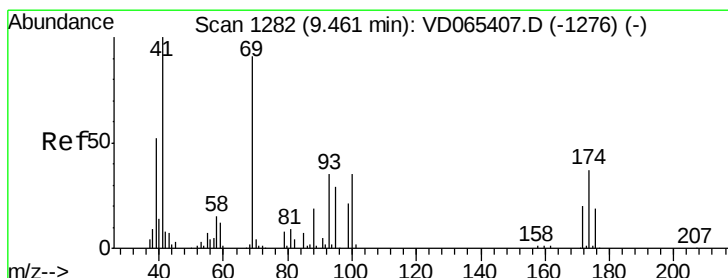
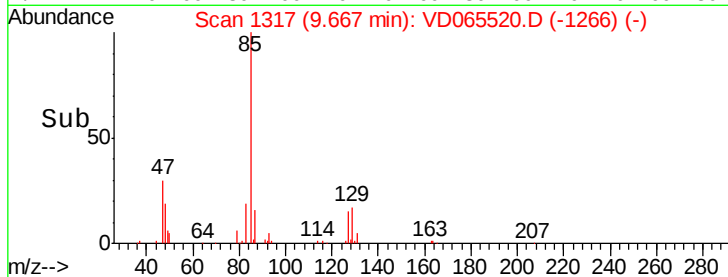
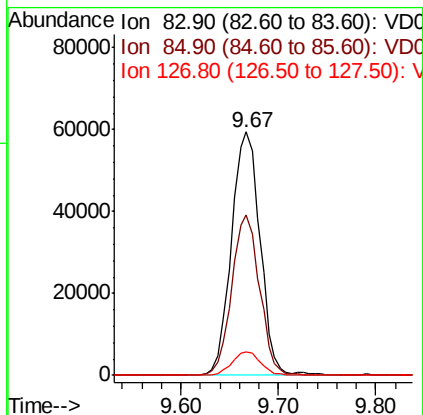
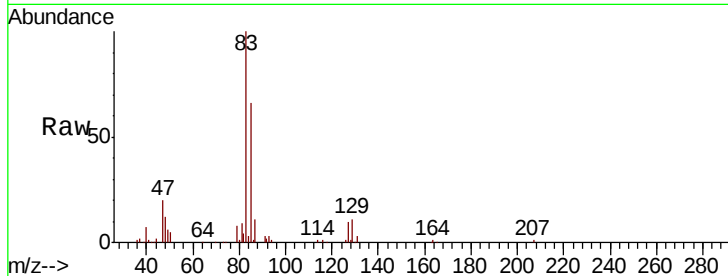
ClientSampleId :

VD0324SBS01

Tot Ion:	83	Resp:	121035
Ion Ratio	Lower	Upper	
83	100		
85	66.0	52.8	79.2
127	9.5	8.0	12.0

Manual Integrations
APPROVED

apatel
3/25/2020 10:40:02 AM



#48

Methyl methacrylate

Concen: 18.783 ug/l

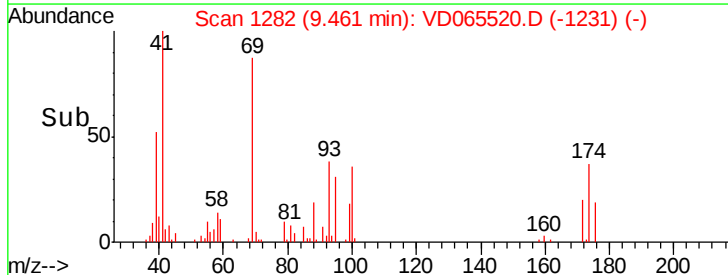
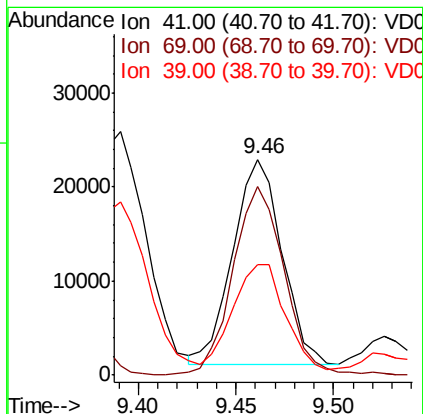
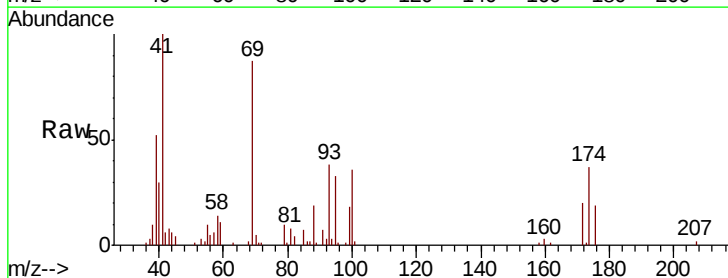
RT: 9.46 min Scan# 1282

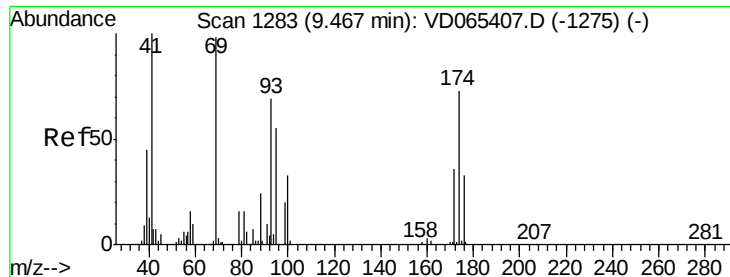
Delta R.T. -0.00 min

Lab File: VD065520.D

Acq: 24 Mar 2020 15:33

Tgt Ion:	41	Resp:	38151
Ion Ratio	Lower	Upper	
41	100		
69	96.0	72.5	108.7
39	54.2	41.6	62.4





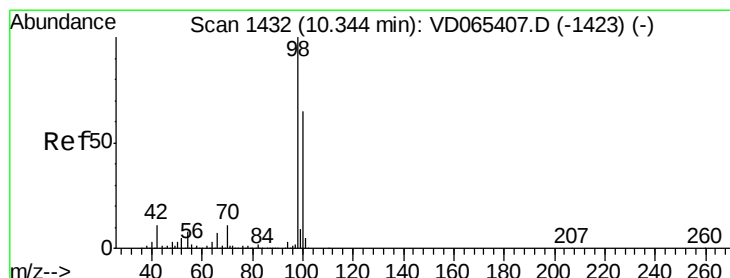
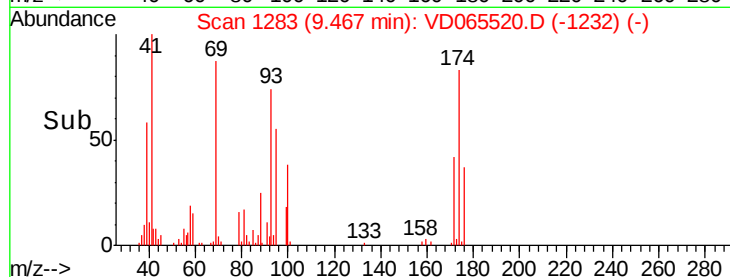
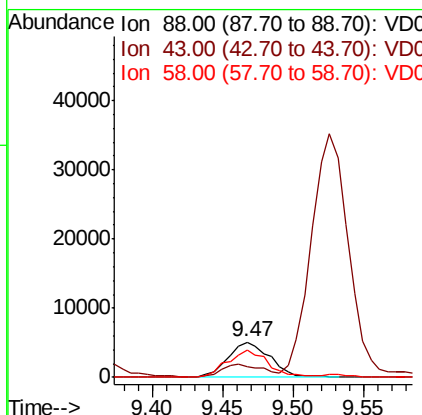
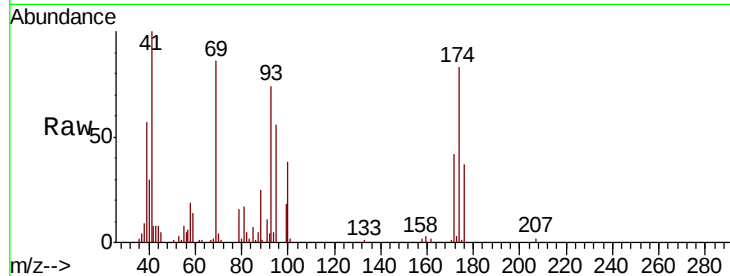
#49
1,4-Dioxane
Concen: 442.281 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD065520.D
Acq: 24 Mar 2020 15:33

Instrument :
MSVOA_D
ClientSampleId :
VD0324SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.2	24.5	36.7
58	75.0	54.5	81.7

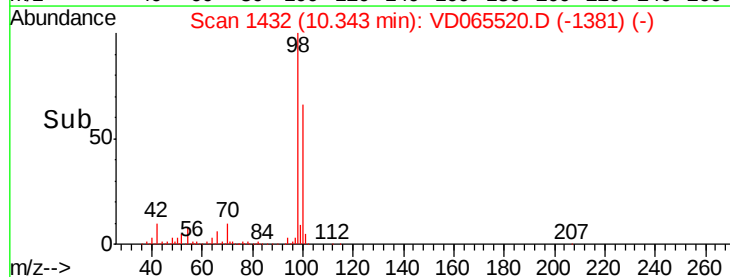
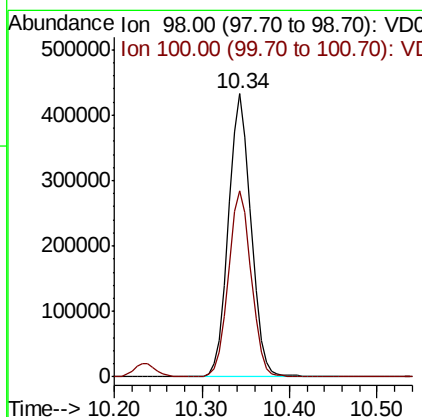
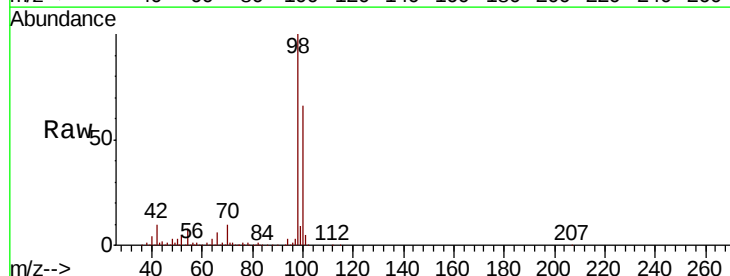
Manual Integrations
APPROVED

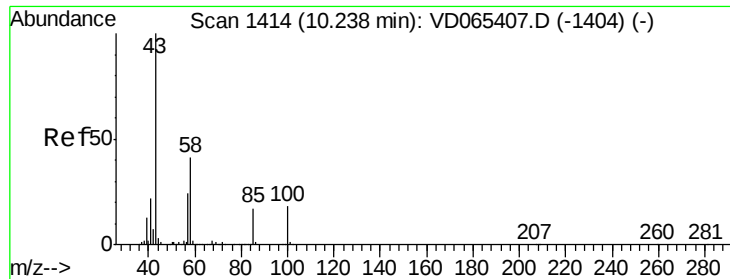
apatel
3/25/2020 10:40:02 AM



#50
Toluene-d8
Concen: 51.011 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065520.D
Acq: 24 Mar 2020 15:33

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.3	52.8	79.2





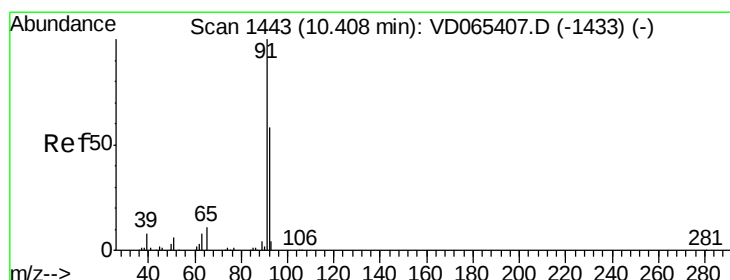
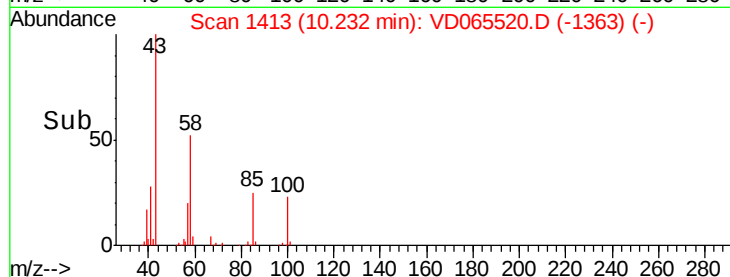
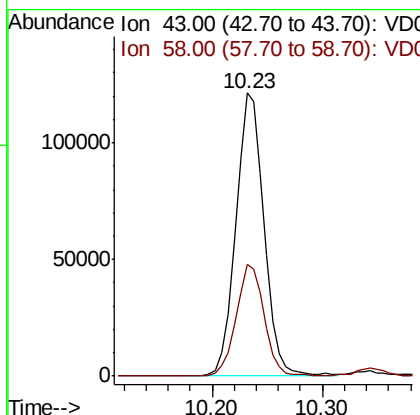
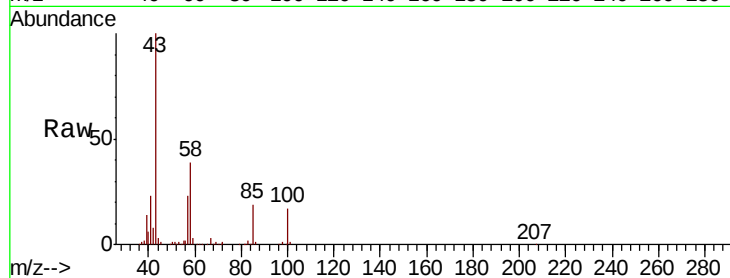
#51
4-Methyl-2-Pentanone
Concen: 100.191 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.01 min
Lab File: VD065520.D
Acq: 24 Mar 2020 15:33

Instrument :
MSVOA_D
ClientSampleId :
VD0324SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.2	31.8	47.6

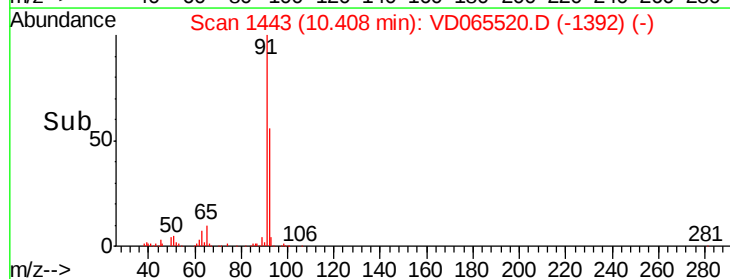
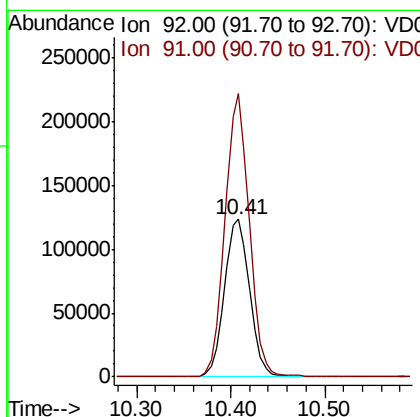
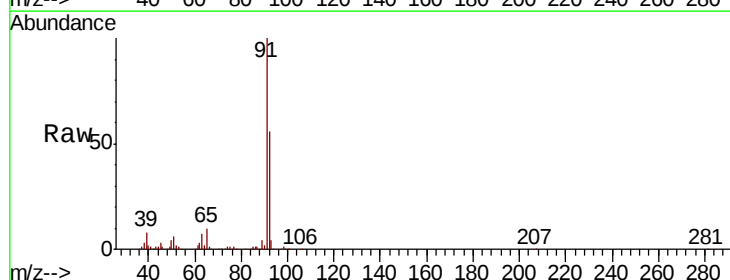
Manual Integrations
APPROVED

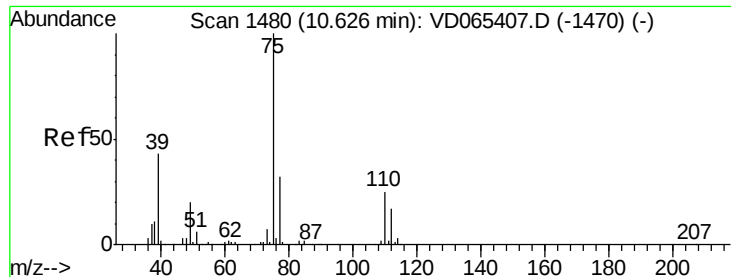
apatel
3/25/2020 10:40:02 AM



#52
Toluene
Concen: 21.469 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VD065520.D
Acq: 24 Mar 2020 15:33

Tgt Ion	Ratio	Lower	Upper
92	100		
91	173.6	137.8	206.8





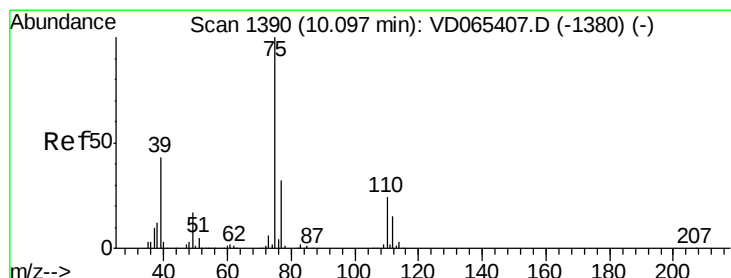
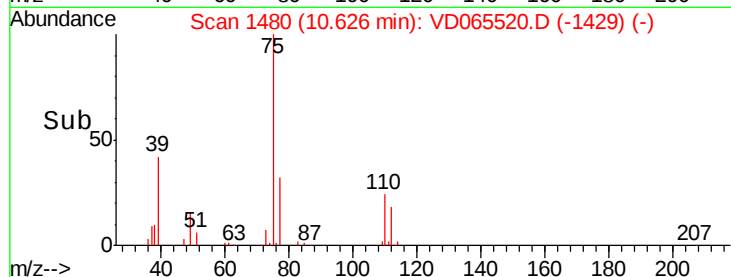
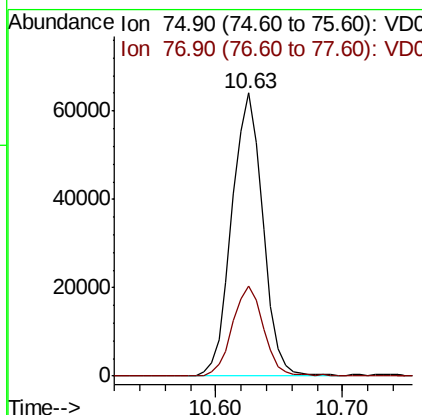
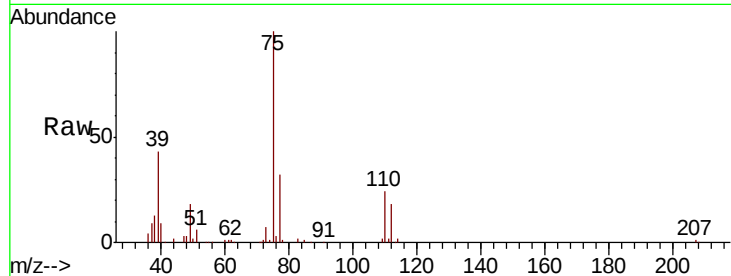
#53
t-1,3-Dichloropropene
Concen: 21.012 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD065520.D
Acq: 24 Mar 2020 15:33

Instrument :
MSVOA_D
ClientSampleId :
VD0324SBS01

Tot Ion: 75 Resp: 108577
Ion Ratio Lower Upper
75 100
77 31.9 25.4 38.2

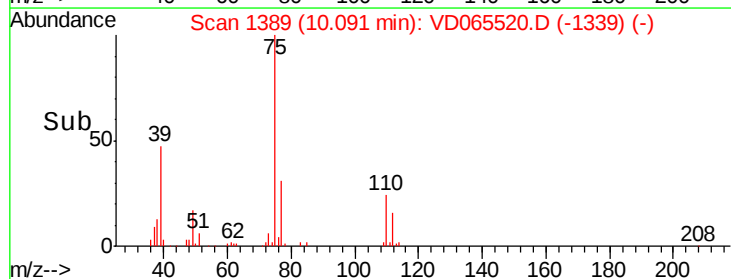
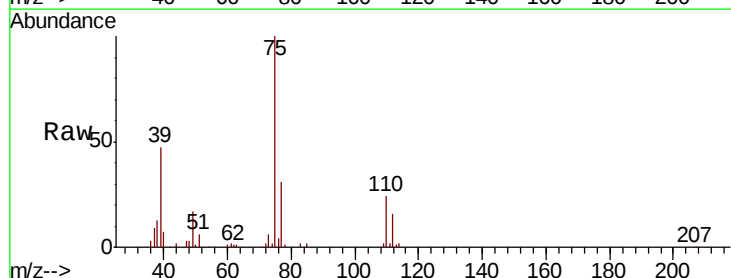
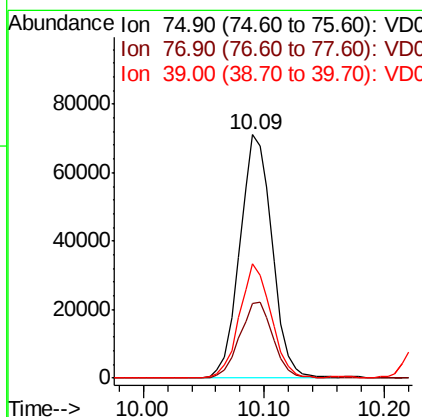
Manual Integrations
APPROVED

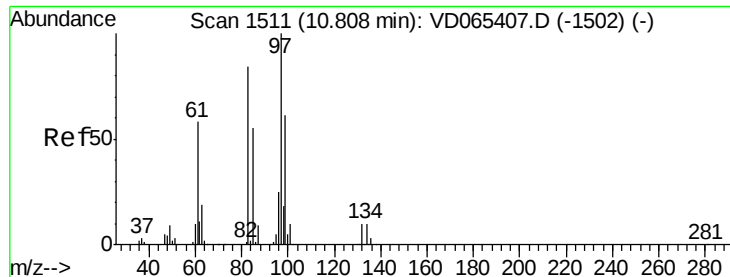
apatel
3/25/2020 10:40:02 AM



#54
cis-1,3-Dichloropropene
Concen: 21.204 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.01 min
Lab File: VD065520.D
Acq: 24 Mar 2020 15:33

Tgt Ion: 75 Resp: 132625
Ion Ratio Lower Upper
75 100
77 30.8 25.3 37.9
39 46.8 34.6 52.0





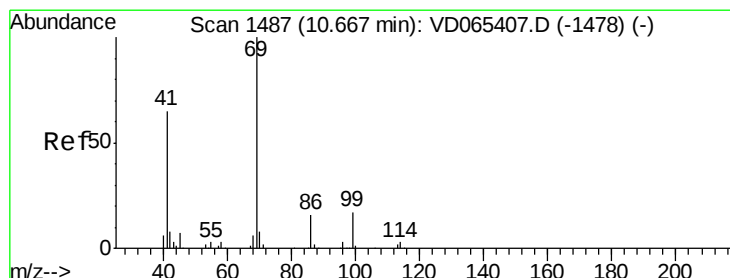
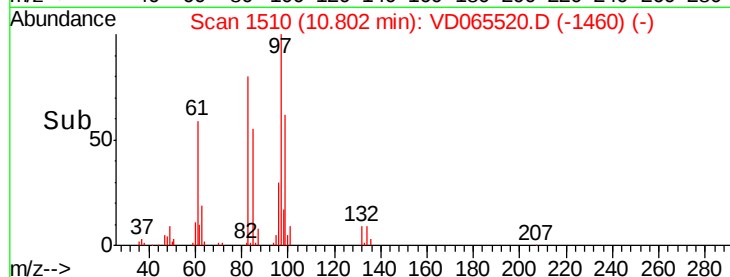
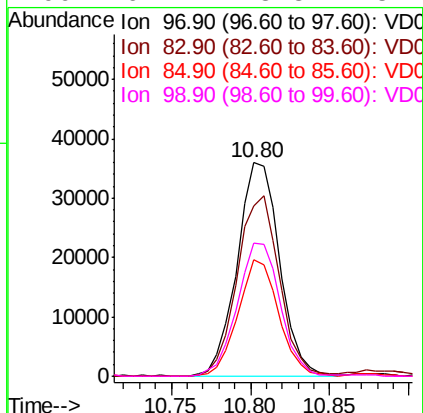
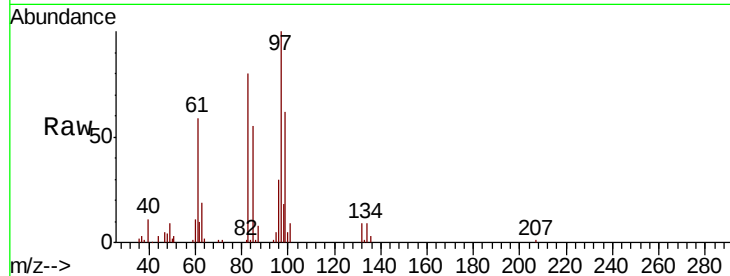
#55
 1,1,2-Trichloroethane
 Concen: 22.295 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD065520.D
 Acq: 24 Mar 2020 15:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0324SBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	79.6	67.4	101.0
85	54.6	43.8	65.8
99	62.1	48.8	73.2

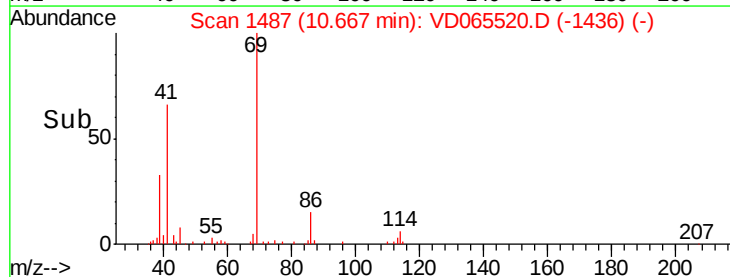
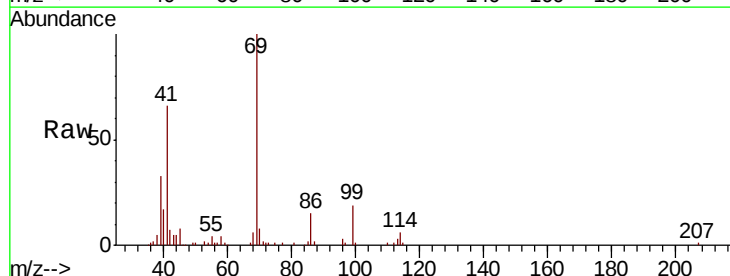
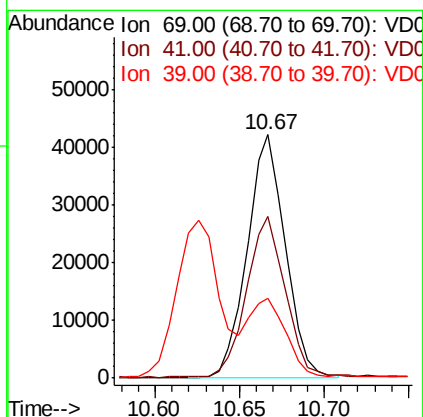
Manual Integrations
 APPROVED

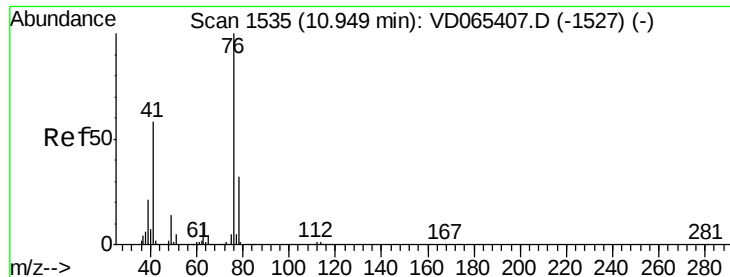
apatel
 3/25/2020 10:40:02 AM



#56
 Ethyl methacrylate
 Concen: 19.537 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065520.D
 Acq: 24 Mar 2020 15:33

Tgt Ion	Ratio	Lower	Upper
69	100		
41	66.5	53.0	79.6
39	30.5	26.0	39.0





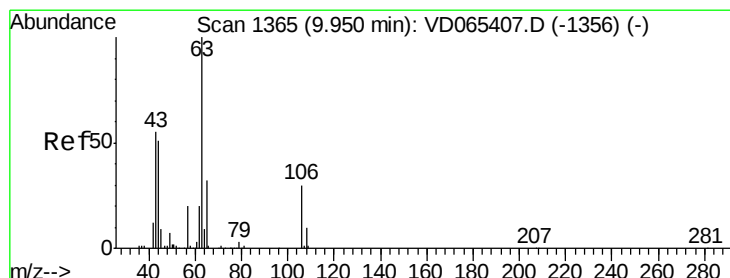
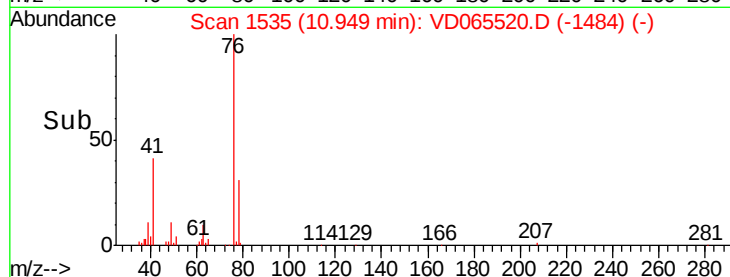
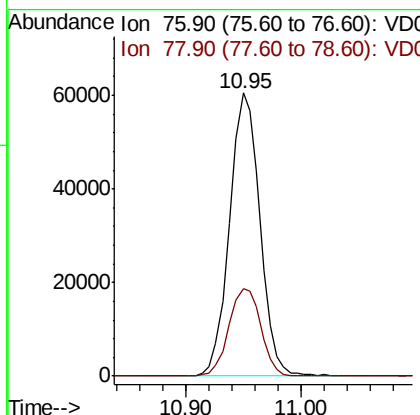
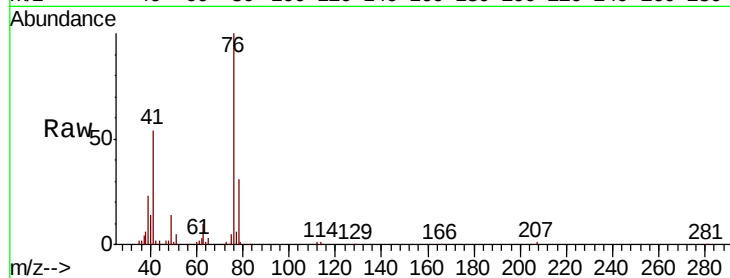
#57
 1,3-Dichloropropane
 Concen: 21.619 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD065520.D
 Acq: 24 Mar 2020 15:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0324SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.7	26.0	39.0

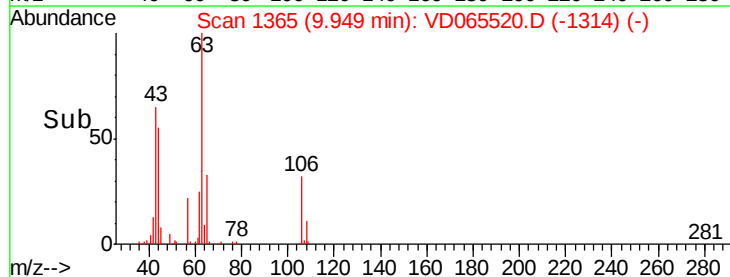
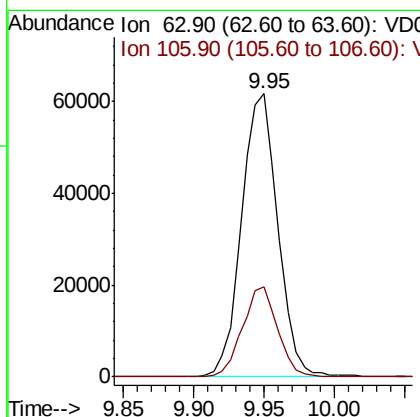
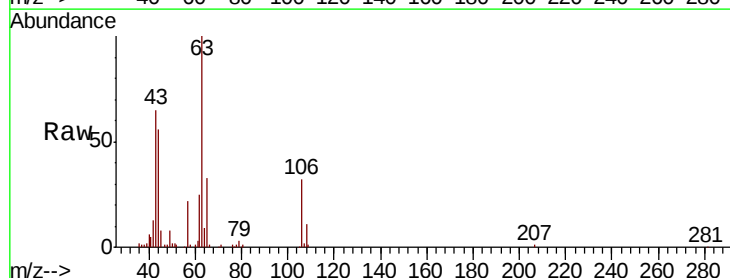
Manual Integrations
 APPROVED

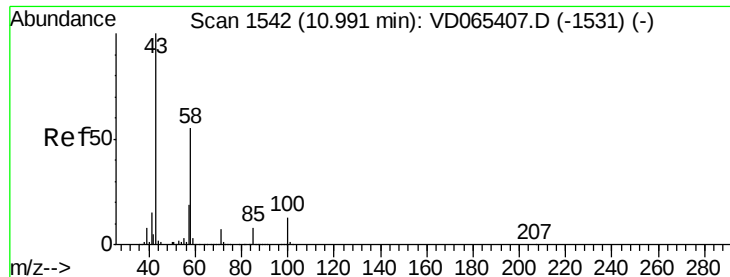
apatel
 3/25/2020 10:40:02 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 105.956 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VD065520.D
 Acq: 24 Mar 2020 15:33

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.7	23.3	34.9





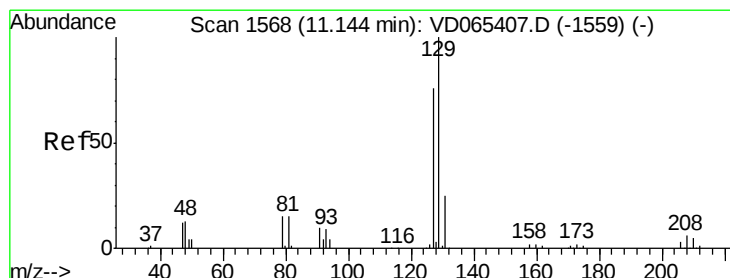
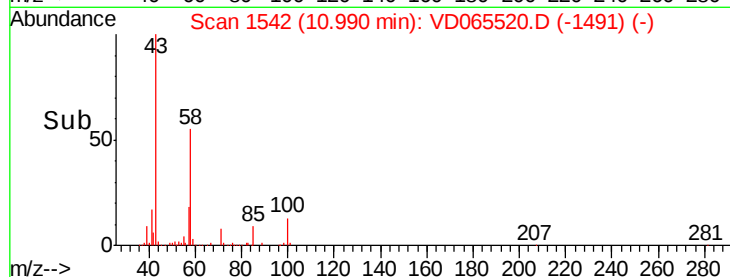
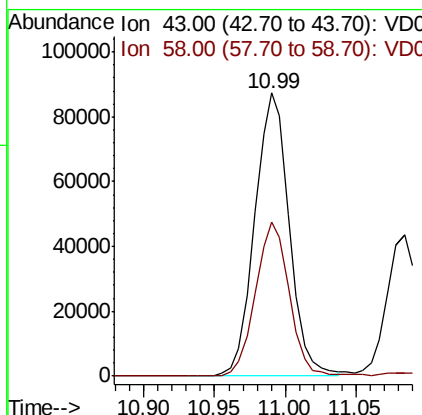
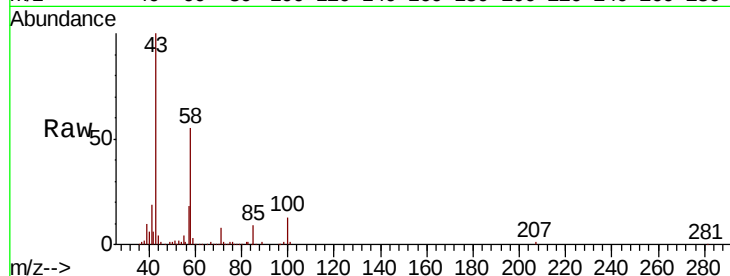
#59
2-Hexanone
Concen: 99.535 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065520.D
Acq: 24 Mar 2020 15:33

Instrument :
MSVOA_D
ClientSampleId :
VD0324SBS01

Tot Ion: 43 Resp: 149717
Ion Ratio Lower Upper
43 100
58 53.5 27.4 82.2

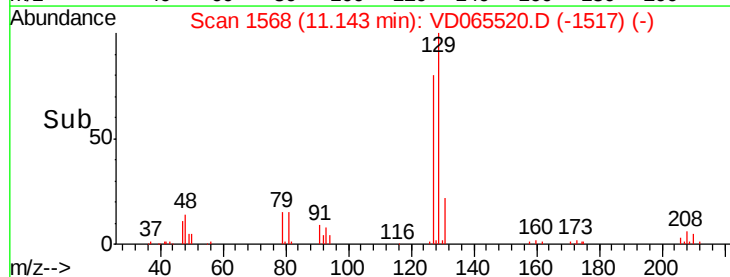
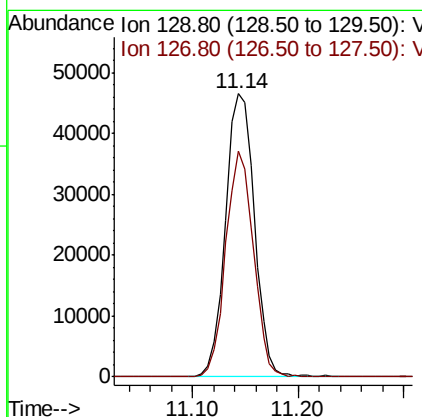
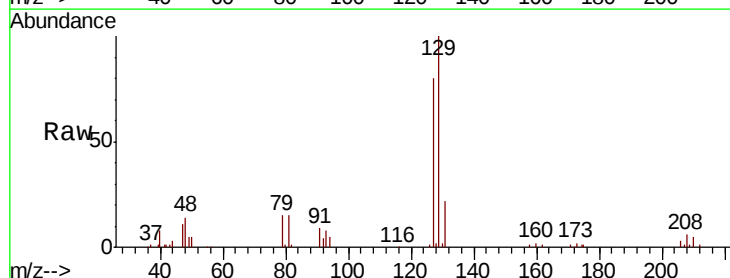
Manual Integrations
APPROVED

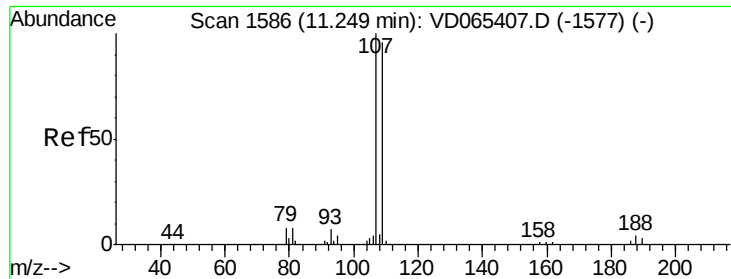
apatel
3/25/2020 10:40:02 AM



#60
Dibromochloromethane
Concen: 22.852 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065520.D
Acq: 24 Mar 2020 15:33

Tgt Ion: 129 Resp: 88182
Ion Ratio Lower Upper
129 100
127 76.3 38.5 115.5





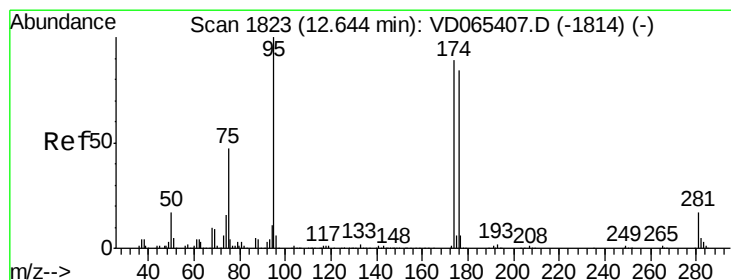
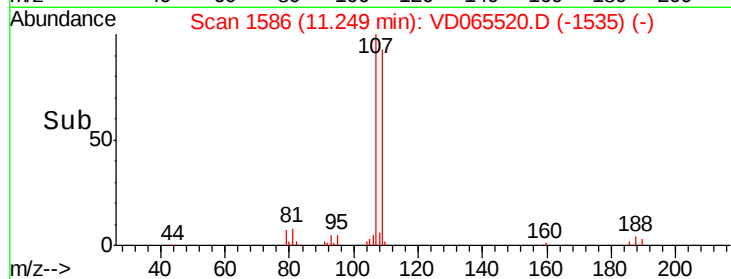
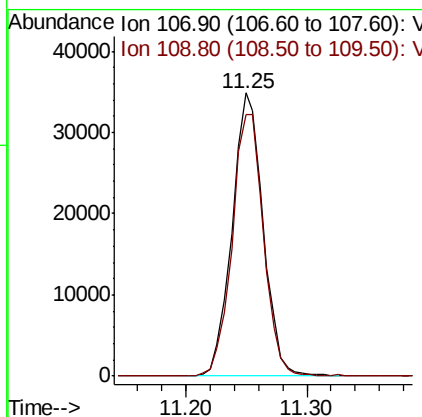
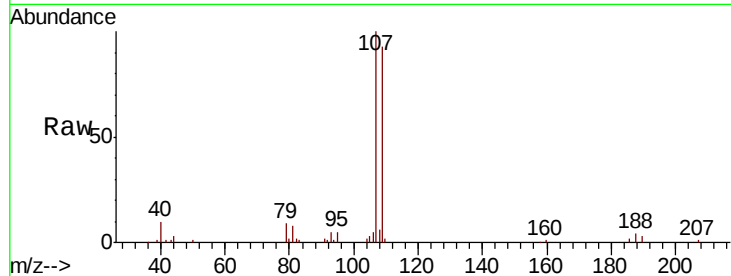
#61
 1,2-Dibromoethane
 Concen: 21.641 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD065520.D
 Acq: 24 Mar 2020 15:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0324SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.8	76.8	115.2

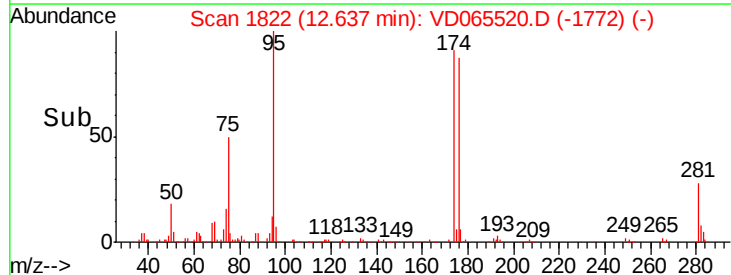
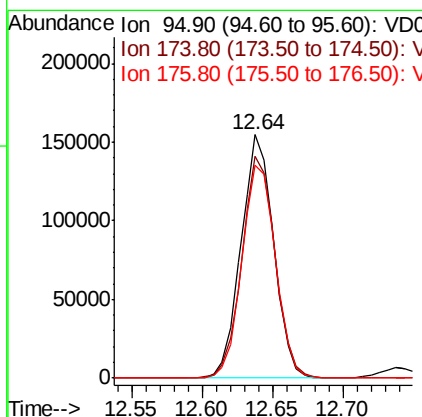
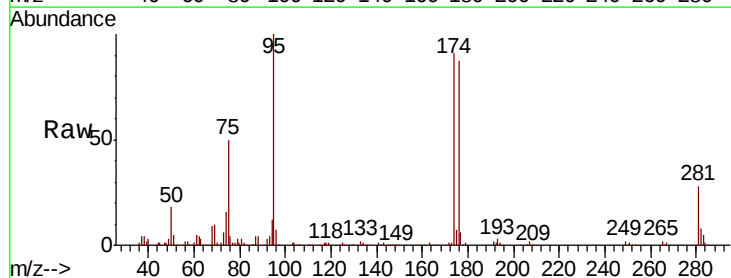
Manual Integrations
 APPROVED

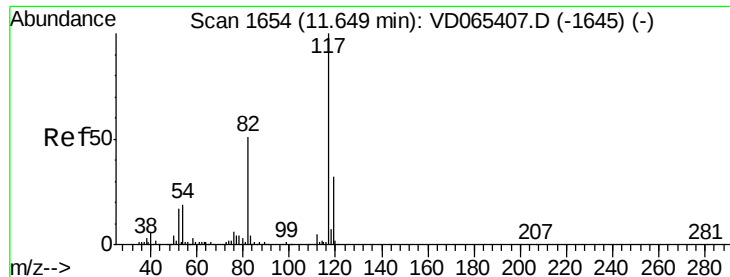
apatel
 3/25/2020 10:40:02 AM



#62
 4-Bromofluorobenzene
 Concen: 54.185 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.01 min
 Lab File: VD065520.D
 Acq: 24 Mar 2020 15:33

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.7	0.0	176.8
176	90.2	0.0	171.4





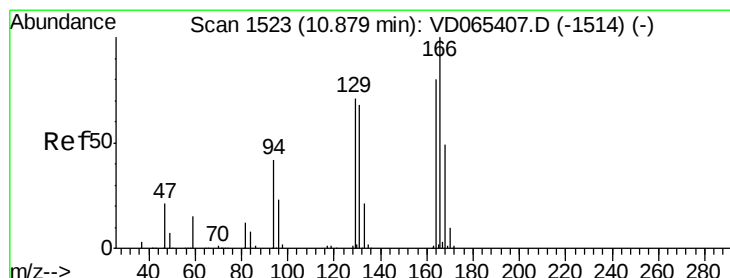
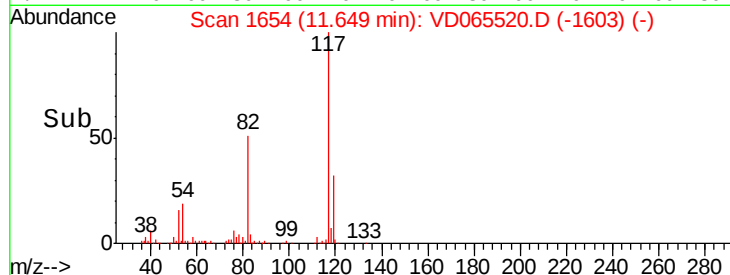
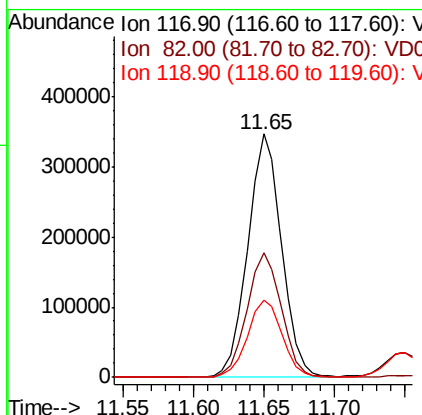
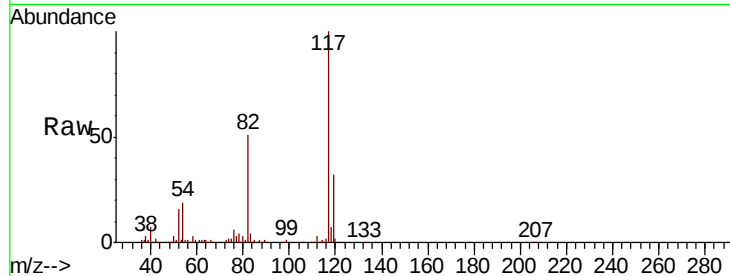
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065520.D
Acq: 24 Mar 2020 15:33

Instrument :
MSVOA_D
ClientSampleId :
VD0324SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	582755		
82	51.4		40.6	60.8
119	31.9		25.4	38.2

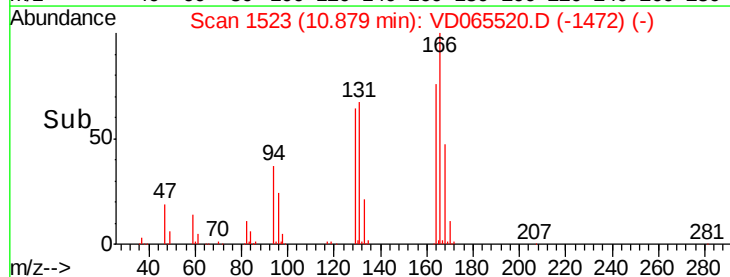
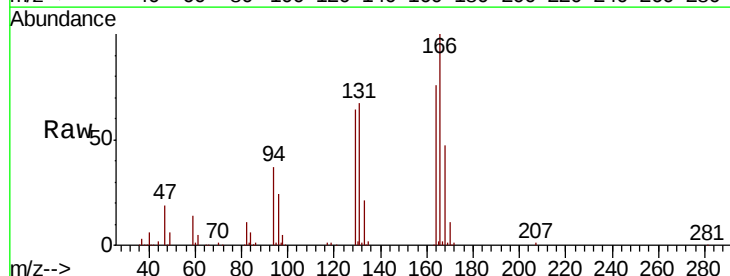
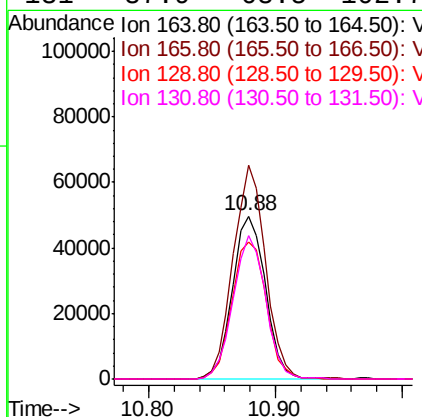
Manual Integrations
APPROVED

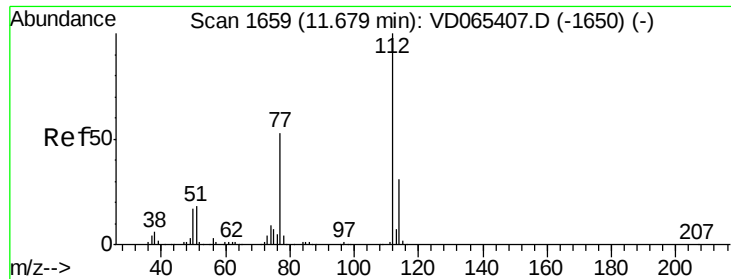
apatel
3/25/2020 10:40:02 AM



#64
Tetrachloroethene
Concen: 21.431 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065520.D
Acq: 24 Mar 2020 15:33

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	89492		
166	131.4		100.5	150.7
129	84.2		71.5	107.3
131	87.9		68.5	102.7





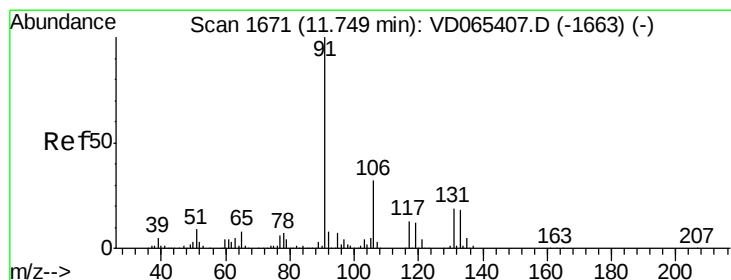
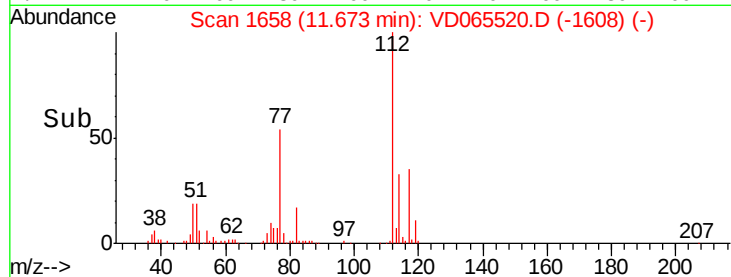
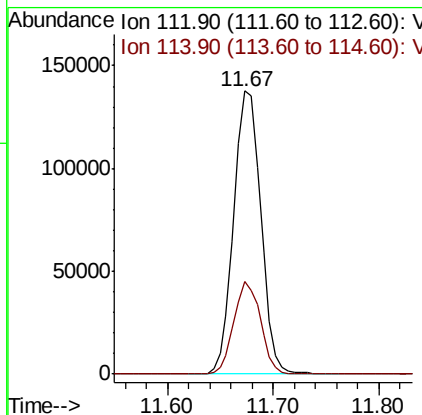
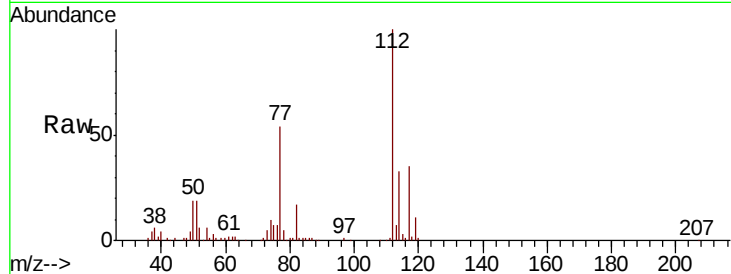
#65
Chlorobenzene
Concen: 21.261 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD065520.D
Acq: 24 Mar 2020 15:33

Instrument :
MSVOA_D
ClientSampleId :
VD0324SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.6	24.4	36.6

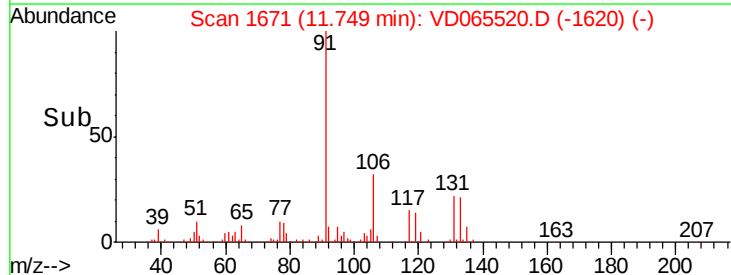
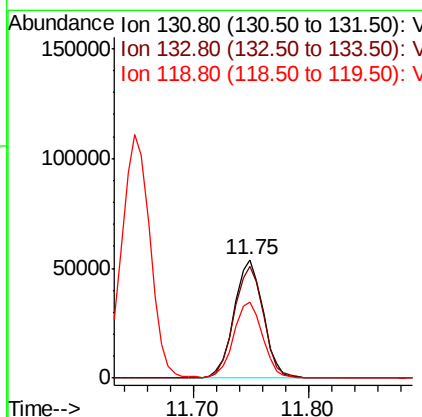
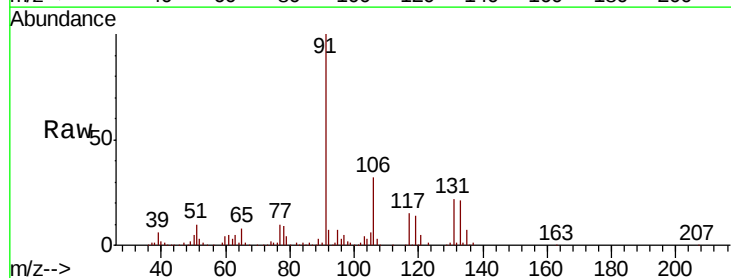
Manual Integrations
APPROVED

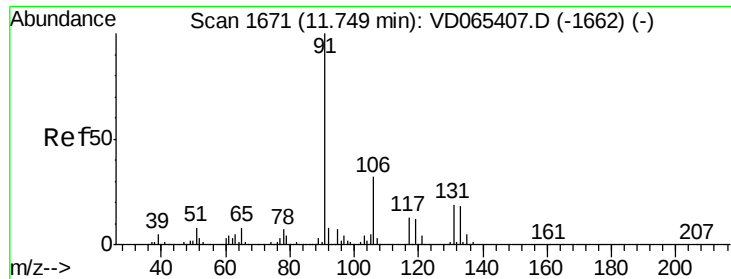
apatel
3/25/2020 10:40:02 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 22.422 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065520.D
Acq: 24 Mar 2020 15:33

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.6	49.2	147.6
119	64.6	33.3	99.8





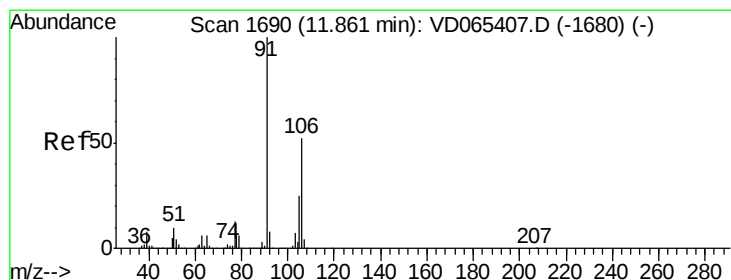
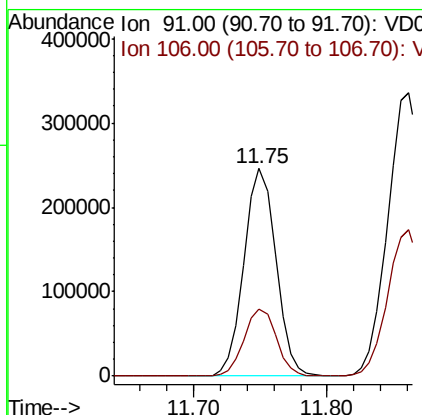
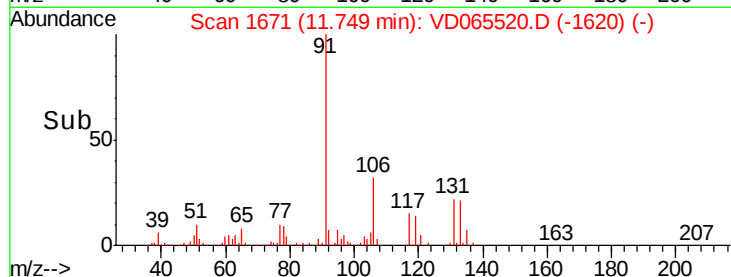
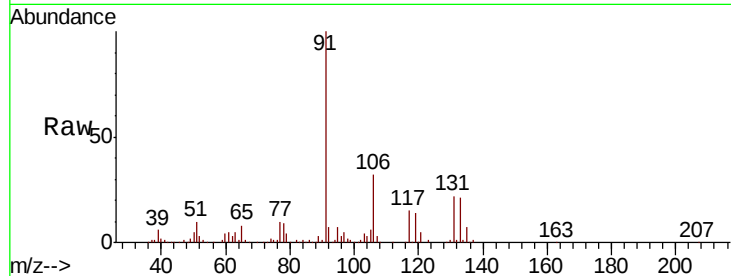
#67
Ethyl Benzene
Concen: 20.498 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065520.D
Acq: 24 Mar 2020 15:33

Instrument :
MSVOA_D
ClientSampleId :
VD0324SBS01

Tot Ion: 91 Resp: 408441
Ion Ratio Lower Upper
91 100
106 32.1 25.2 37.8

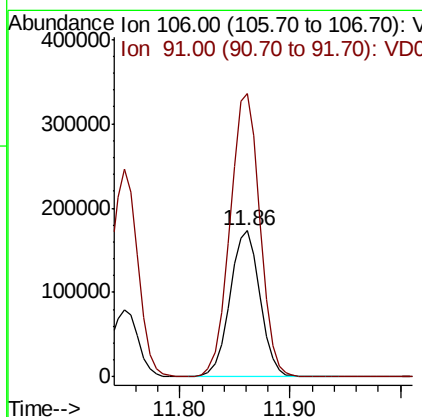
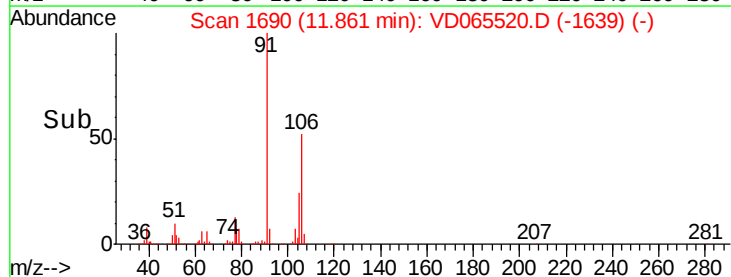
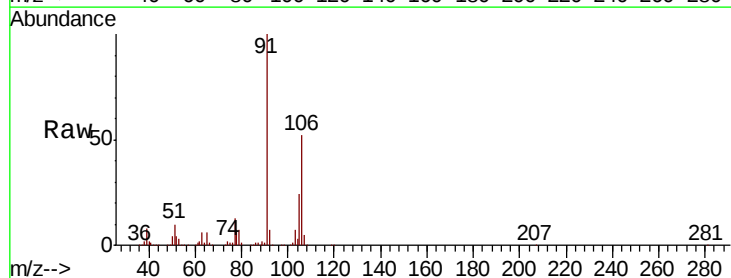
Manual Integrations
APPROVED

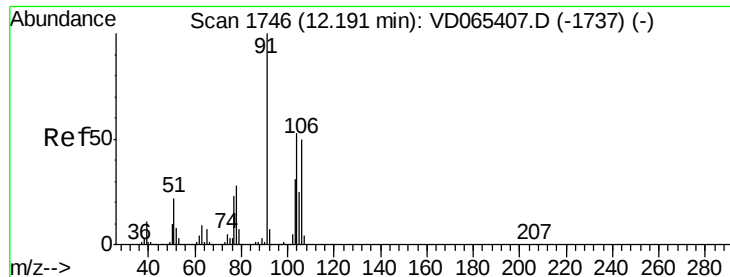
apatel
3/25/2020 10:40:02 AM



#68
m/p-Xylenes
Concen: 43.012 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VD065520.D
Acq: 24 Mar 2020 15:33

Tgt Ion: 106 Resp: 330470
Ion Ratio Lower Upper
106 100
91 193.5 155.9 233.9





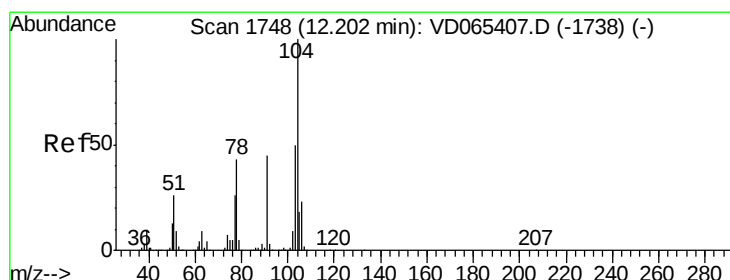
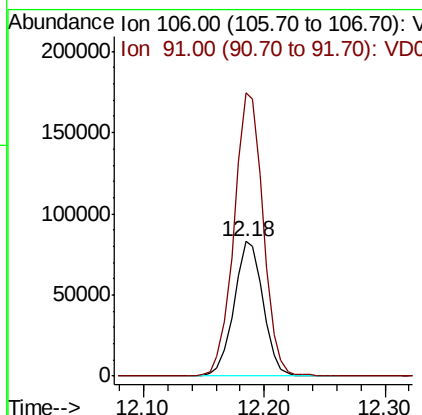
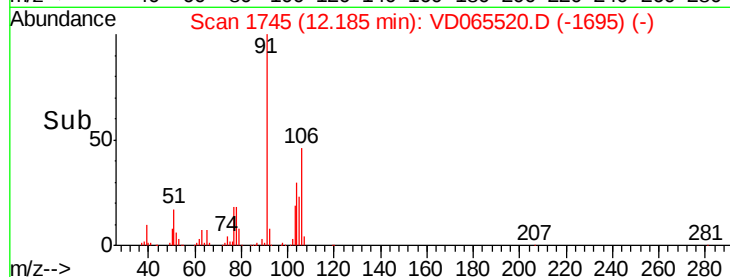
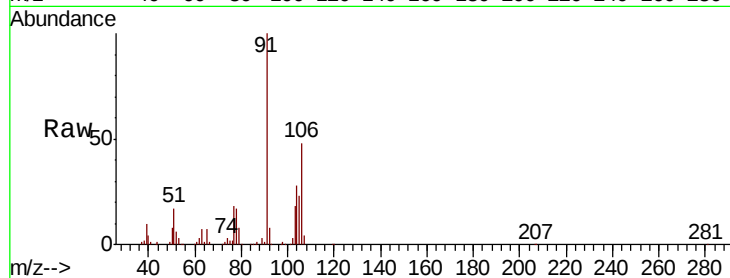
#69
o-Xylene
Concen: 20.712 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.01 min
Lab File: VD065520.D
Acq: 24 Mar 2020 15:33

Instrument :
MSVOA_D
ClientSampleId :
VD0324SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	209.9	103.5	310.3

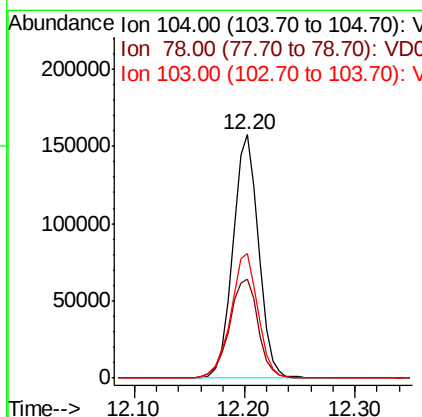
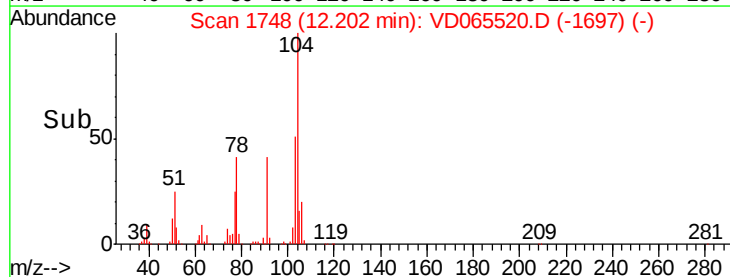
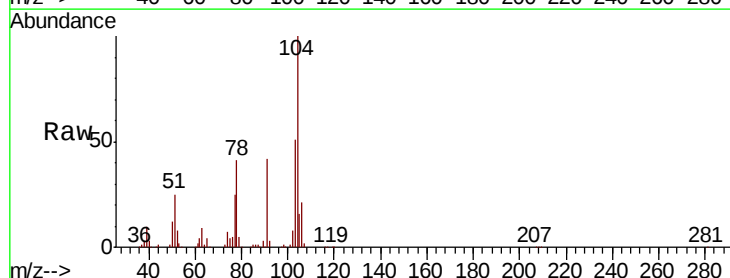
Manual Integrations
APPROVED

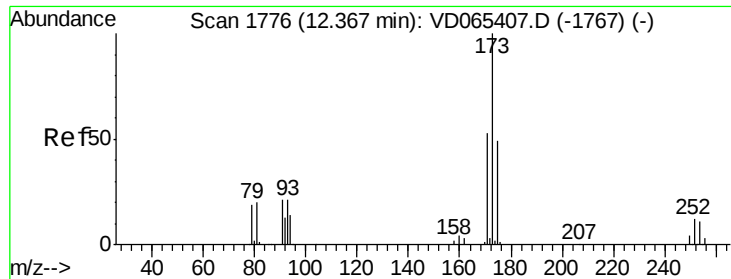
apatel
3/25/2020 10:40:02 AM



#70
Styrene
Concen: 21.601 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065520.D
Acq: 24 Mar 2020 15:33

Tgt Ion	Ratio	Lower	Upper
104	100		
78	45.4	37.7	56.5
103	54.2	43.6	65.4





#71

Bromoform

Concen: 21.626 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD065520.D

Acq: 24 Mar 2020 15:33

Instrument :

MSVOA_D

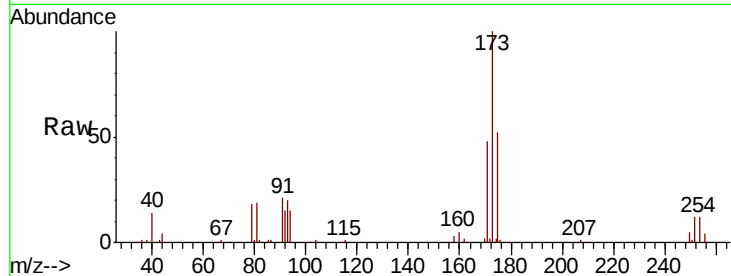
ClientSampleId :

VD0324SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.7	24.3	73.0
254	0.0	0.1	0.1#

Manual Integrations
APPROVED

apatel
3/25/2020 10:40:02 AM

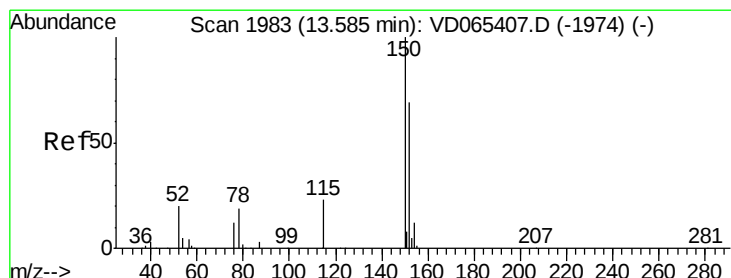
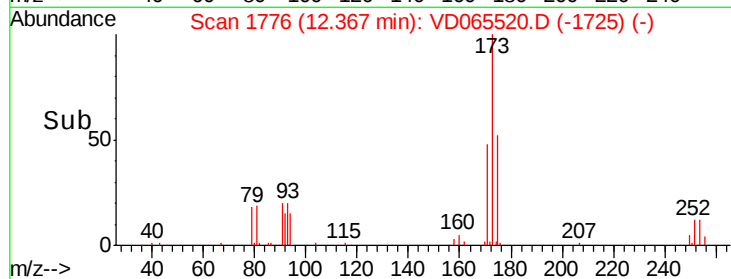
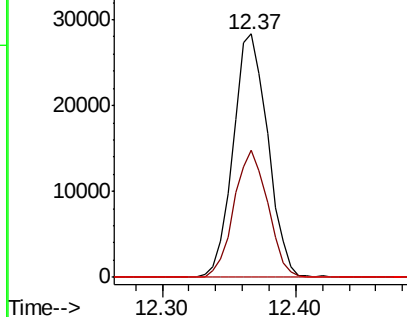


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

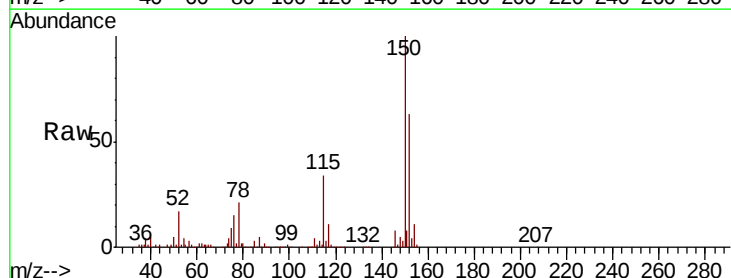
RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VD065520.D

Acq: 24 Mar 2020 15:33

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.6	27.6	82.8
150	163.5	0.0	345.0

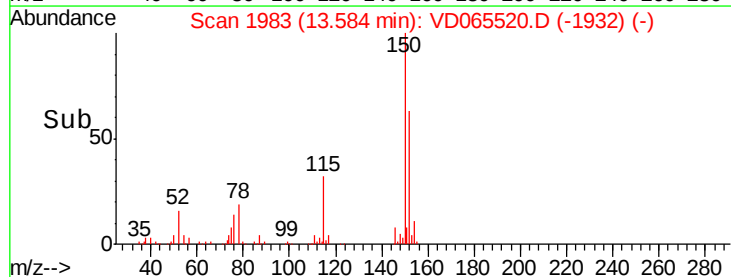
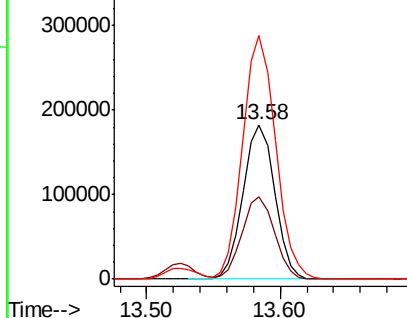


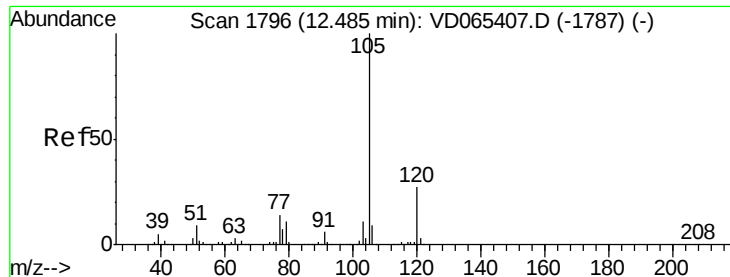
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





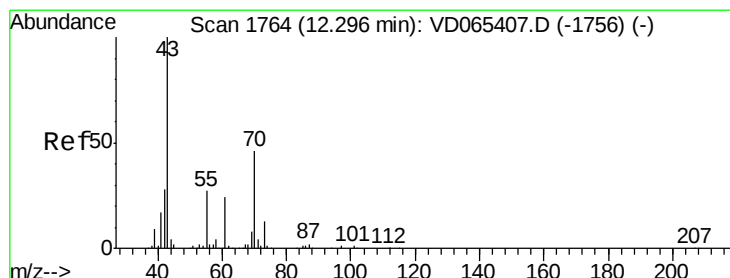
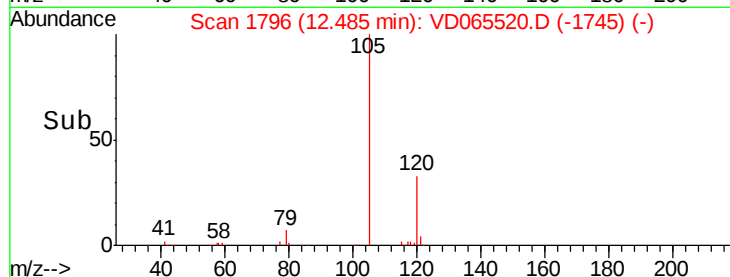
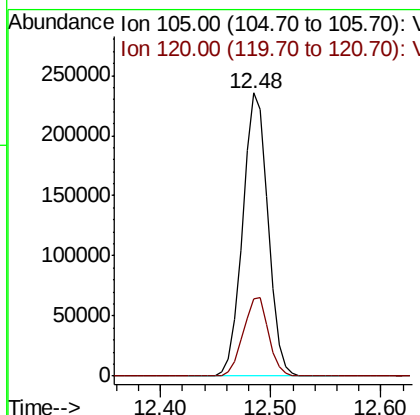
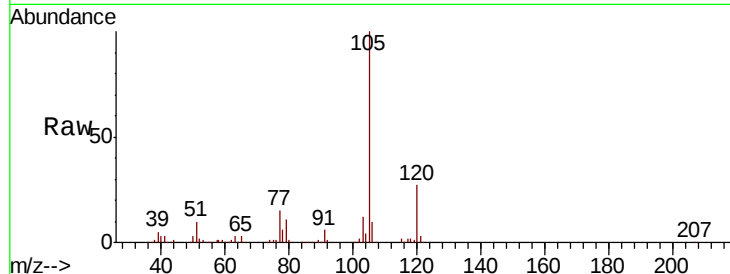
#73
Isopropylbenzene
Concen: 19.186 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VD065520.D
Acq: 24 Mar 2020 15:33

Instrument :
MSVOA_D
ClientSampleId :
VD0324SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.7	13.5	40.4

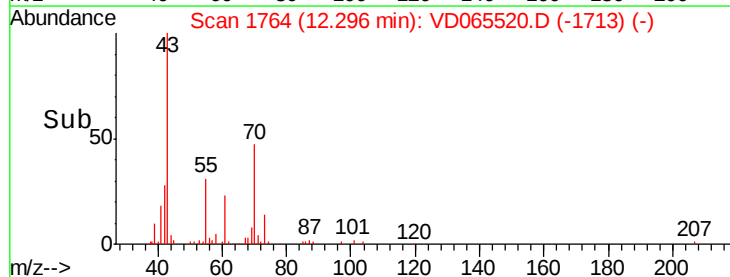
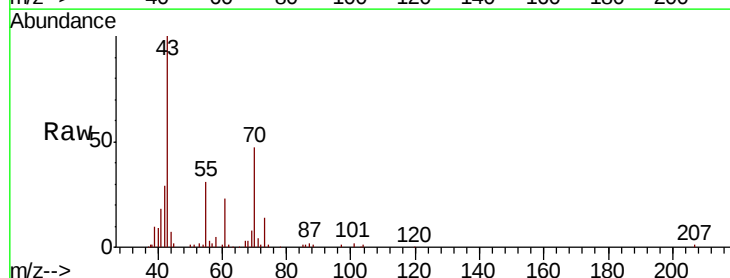
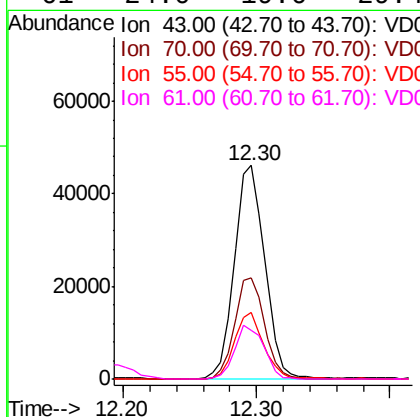
Manual Integrations
APPROVED

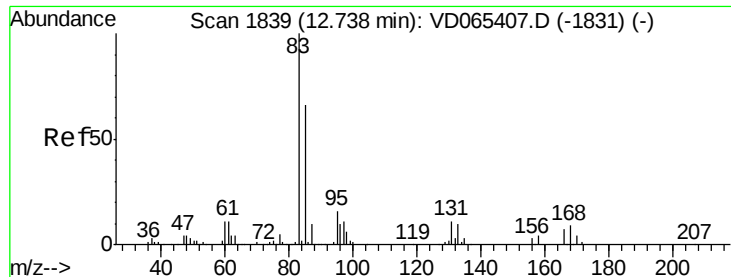
apatel
3/25/2020 10:40:02 AM



#74
N-ethyl acetate
Concen: 18.022 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. -0.00 min
Lab File: VD065520.D
Acq: 24 Mar 2020 15:33

Tgt Ion	Ratio	Lower	Upper
43	100		
70	46.3	36.1	54.1
55	30.2	21.6	32.4
61	24.0	19.6	29.4





#75

1,1,2,2-Tetrachloroethane

Concen: 20.294 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065520.D

Acq: 24 Mar 2020 15:33

Instrument :

MSVOA_D

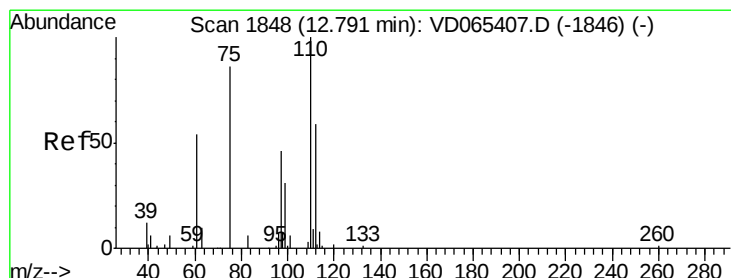
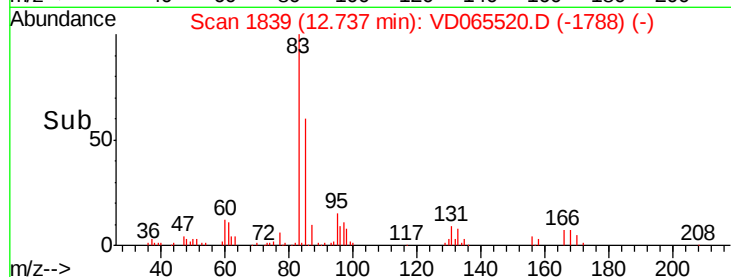
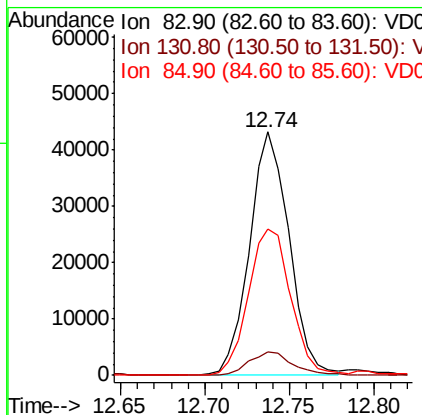
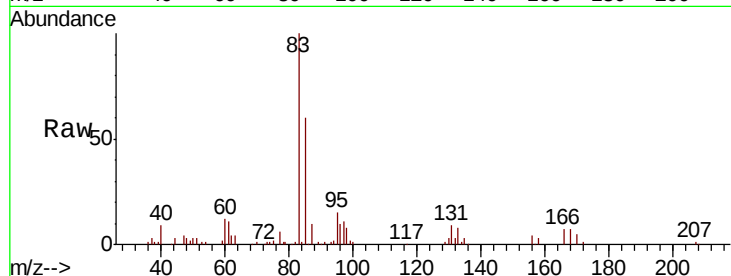
ClientSampleId :

VD0324SBS01

Tot Ion:	83	Resp:	70627
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.4	16.2
85	64.3	33.0	98.9

Manual Integrations
APPROVED

apatel
3/25/2020 10:40:02 AM



#76

1,2,3-Trichloropropane

Concen: 19.320 ug/l m

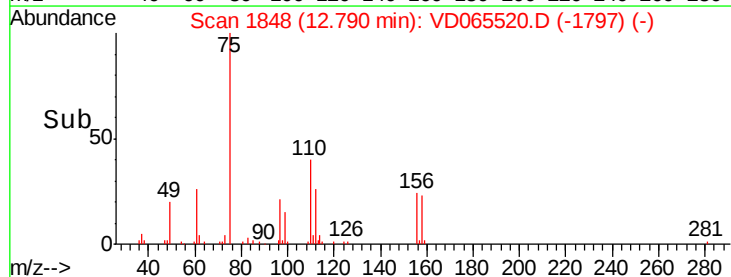
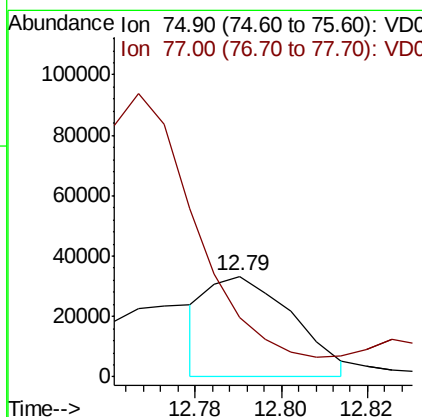
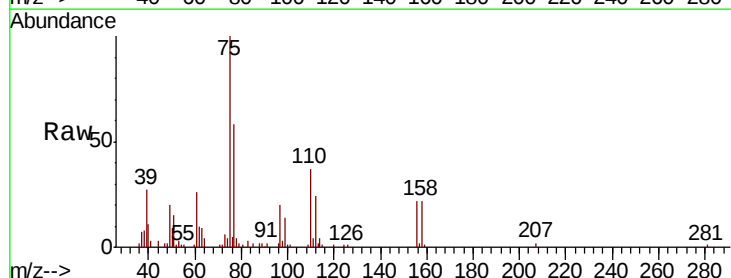
RT: 12.79 min Scan# 1848

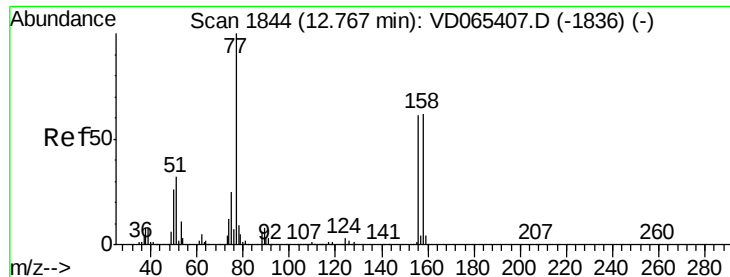
Delta R.T. -0.00 min

Lab File: VD065520.D

Acq: 24 Mar 2020 15:33

Tgt Ion:	75	Resp:	45890
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.979 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065520.D

Acq: 24 Mar 2020 15:33

Instrument :

MSVOA_D

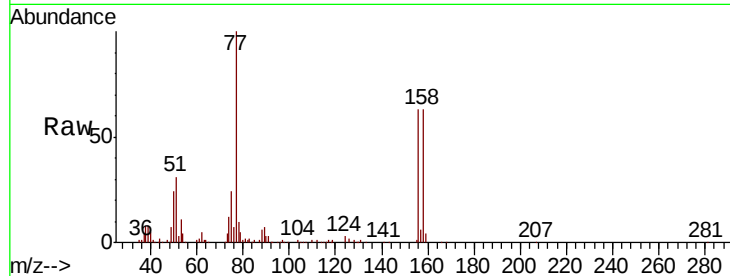
ClientSampleId :

VD0324SBS01

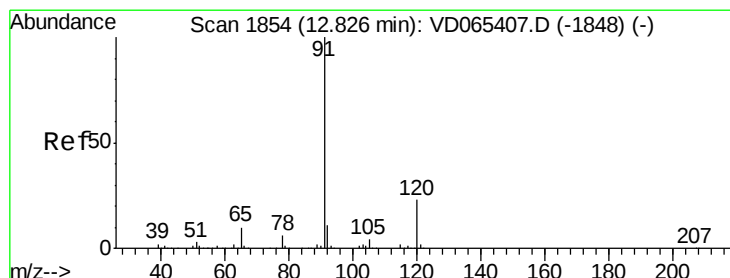
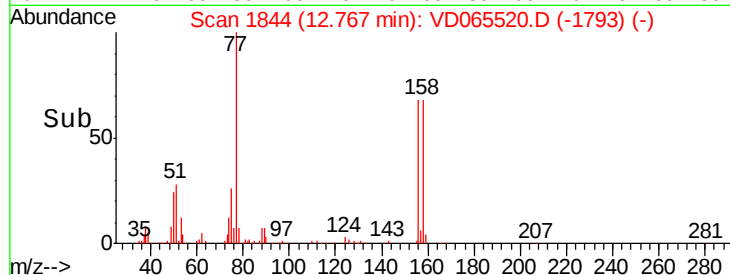
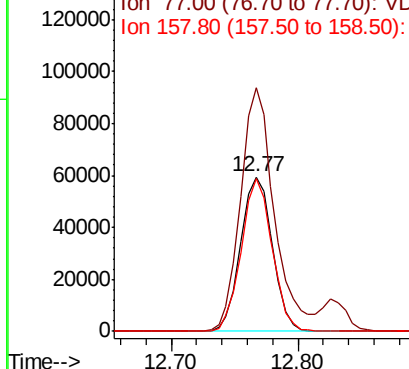
Tot Ion:	156	Resp:	103197
Ion Ratio	Lower	Upper	
156	100		
77	167.0	84.9	254.6
158	96.3	49.0	147.2

Manual Integrations
APPROVED

apatel
3/25/2020 10:40:02 AM



Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VDC
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.167 ug/l

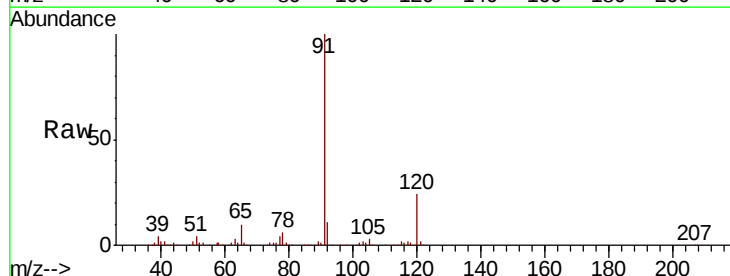
RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

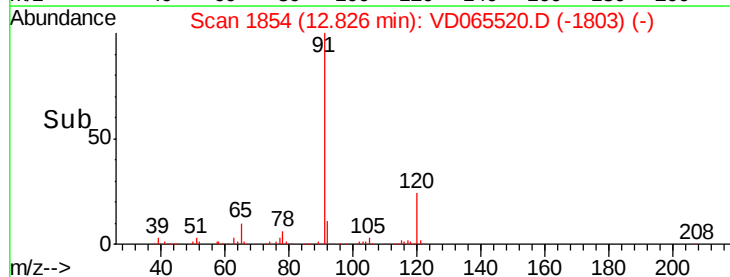
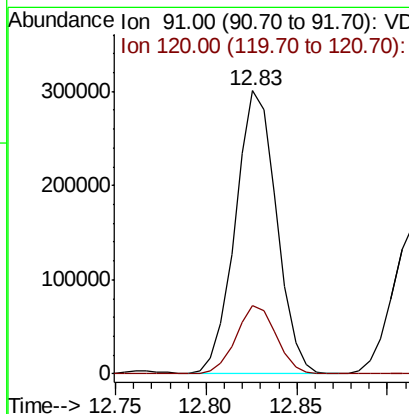
Lab File: VD065520.D

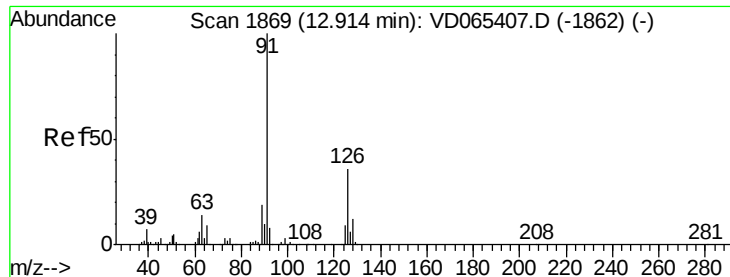
Acq: 24 Mar 2020 15:33

Tgt Ion:	91	Resp:	473744
Ion Ratio	Lower	Upper	
91	100		
120	23.9	11.9	35.5



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.169 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD065520.D

Acq: 24 Mar 2020 15:33

Instrument :

MSVOA_D

ClientSampleId :

VD0324SBS01

Tot Ion: 91 Resp: 267020

Ion Ratio Lower Upper

91 100

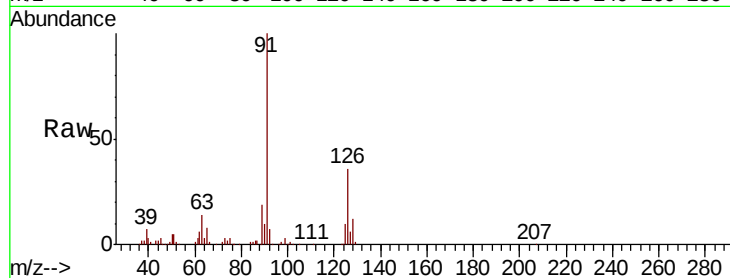
126 36.0 17.9 53.8

Manual Integrations

APPROVED

apatel

3/25/2020 10:40:02 AM



Abundance Ion 91.00 (90.70 to 91.70): VD065407.D (-1862) (-)

Ion 125.90 (125.60 to 126.60): VD065407.D (-1862) (-)

200000

150000

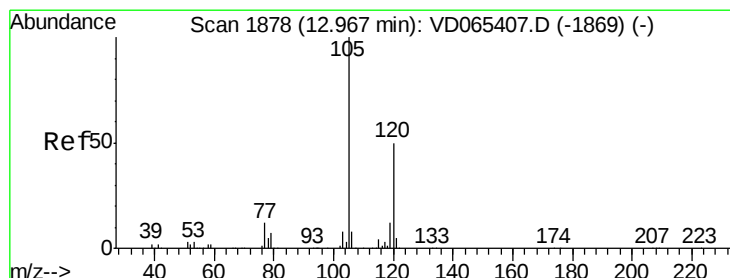
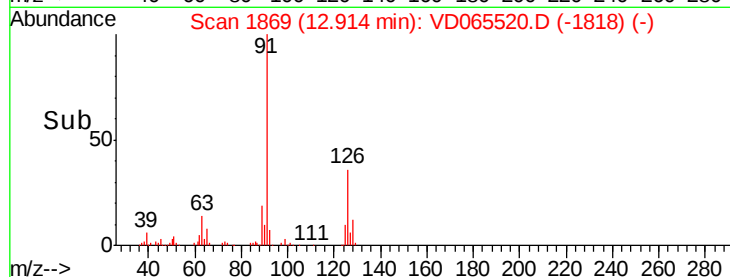
100000

50000

0

12.85 12.90 12.95

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.174 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD065520.D

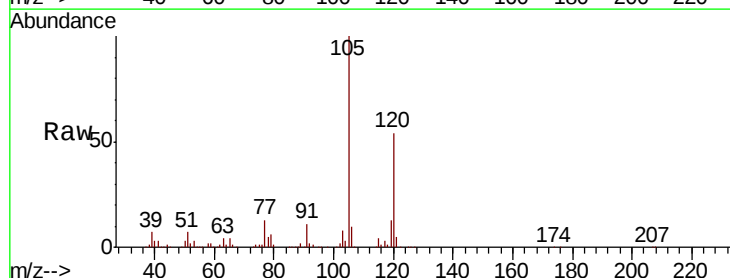
Acq: 24 Mar 2020 15:33

Tgt Ion:105 Resp: 328371

Ion Ratio Lower Upper

105 100

120 51.2 25.4 76.0



Abundance Ion 105.00 (104.70 to 105.70): VD065407.D (-1869) (-)

Ion 120.00 (119.70 to 120.70): VD065407.D (-1869) (-)

250000

200000

150000

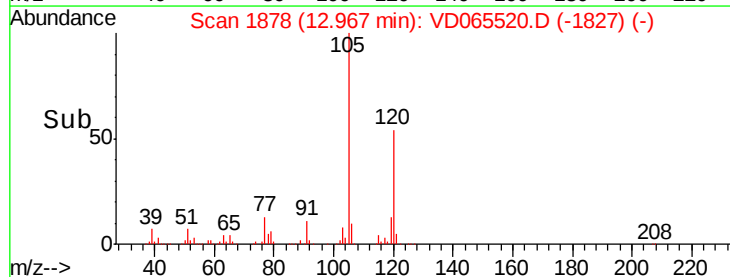
100000

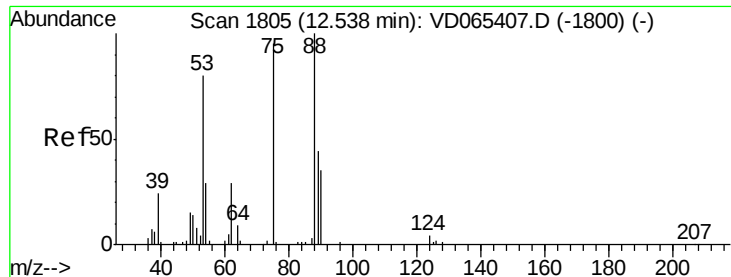
50000

0

12.90 12.95 13.00

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 19.374 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VD065520.D

Acq: 24 Mar 2020 15:33

Instrument :

MSVOA_D

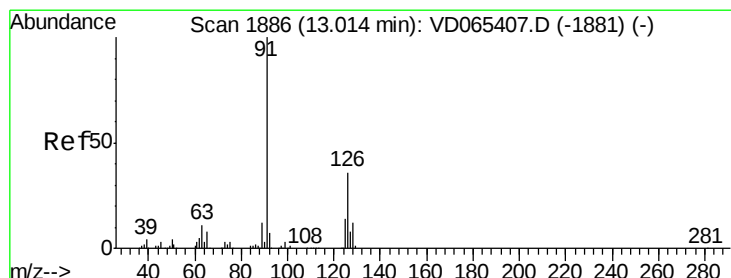
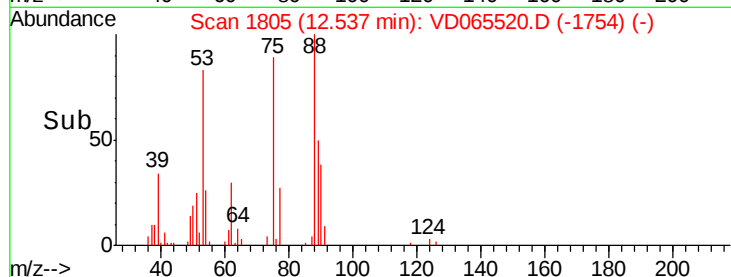
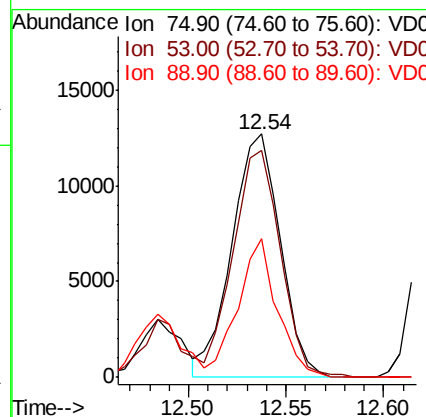
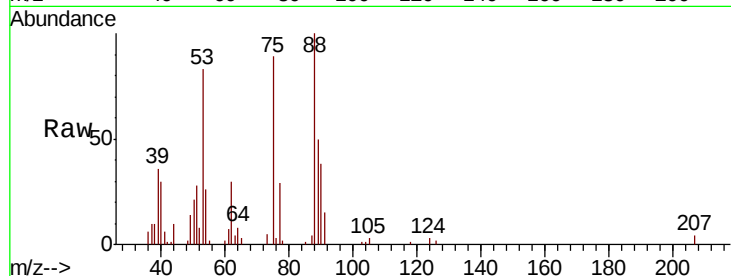
ClientSampleId :

VD0324SBS01

Tot Ion:	75	Resp:	21806
Ion	Ratio	Lower	Upper
75	100		
53	91.3	71.3	106.9
89	46.4	37.0	55.6

Manual Integrations
APPROVED

apatel
3/25/2020 10:40:02 AM



#82

4-Chlorotoluene

Concen: 20.585 ug/l

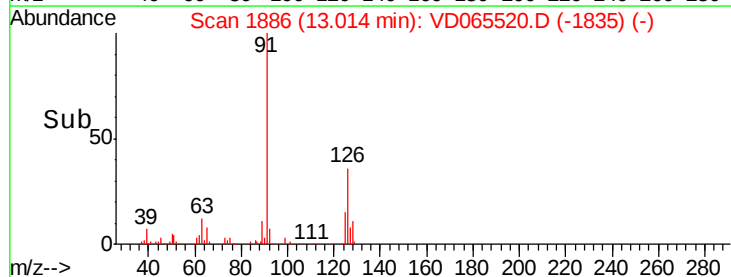
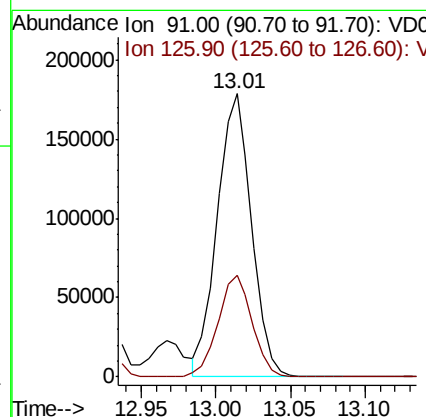
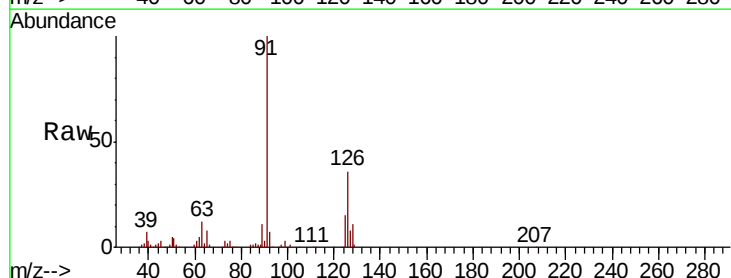
RT: 13.01 min Scan# 1886

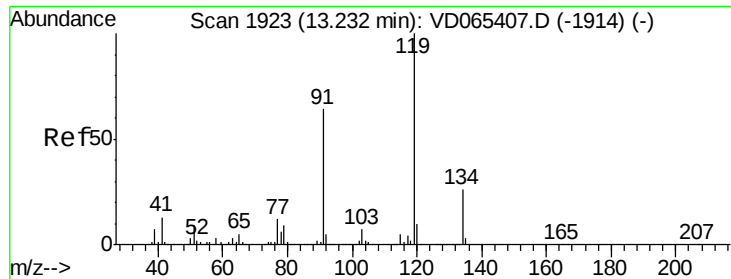
Delta R.T. -0.00 min

Lab File: VD065520.D

Acq: 24 Mar 2020 15:33

Tgt Ion:	91	Resp:	286389
Ion	Ratio	Lower	Upper
91	100		
126	35.7	17.6	52.8





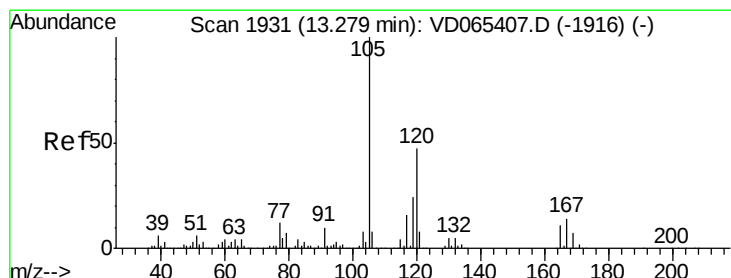
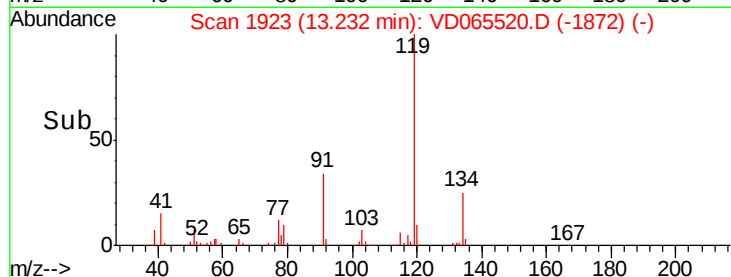
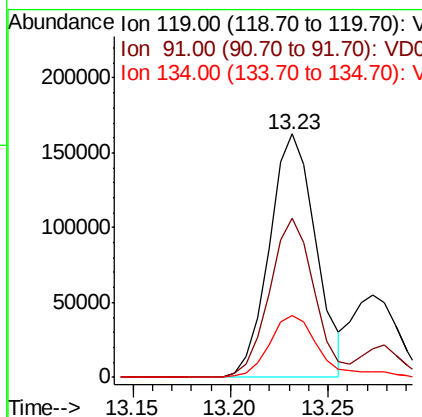
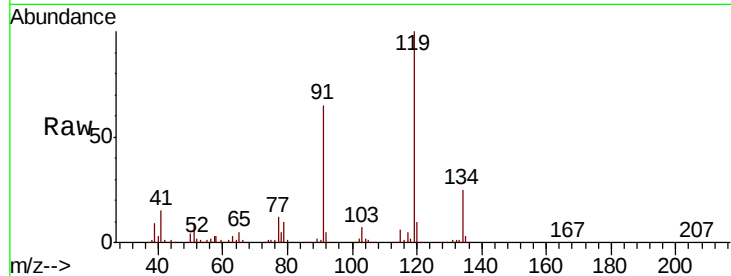
#83
tert-Butylbenzene
Concen: 19.483 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VD065520.D
Acq: 24 Mar 2020 15:33

Instrument :
MSVOA_D
ClientSampleId :
VD0324SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.4	31.6	95.0
134	27.6	14.2	42.8

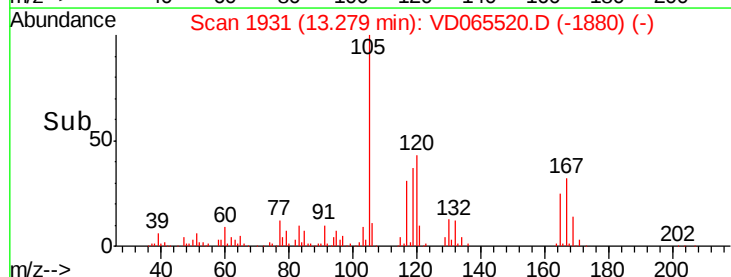
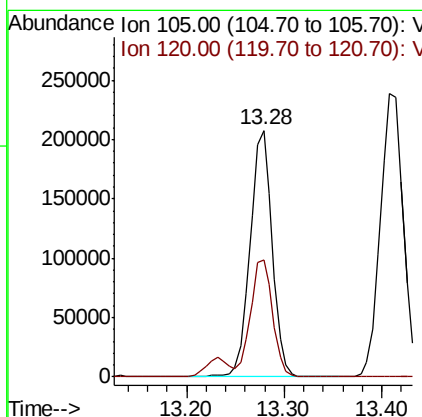
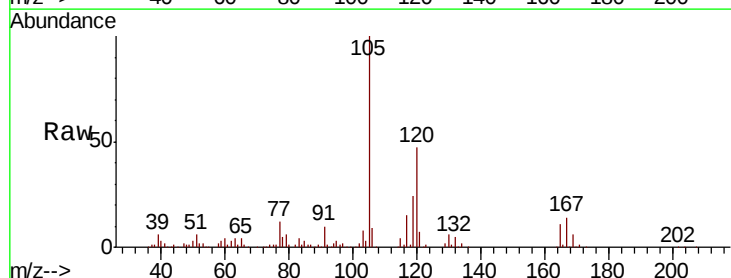
Manual Integrations
APPROVED

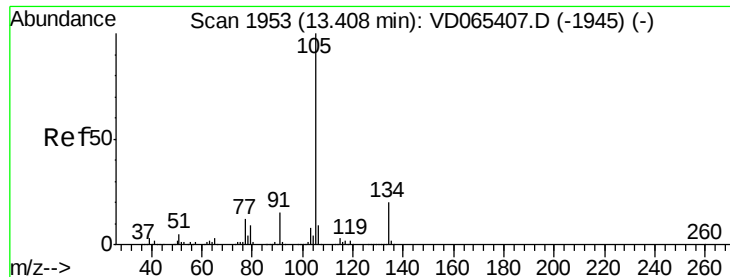
apatel
3/25/2020 10:40:02 AM



#84
1,2,4-Trimethylbenzene
Concen: 20.560 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. -0.00 min
Lab File: VD065520.D
Acq: 24 Mar 2020 15:33

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.6	23.4	70.3





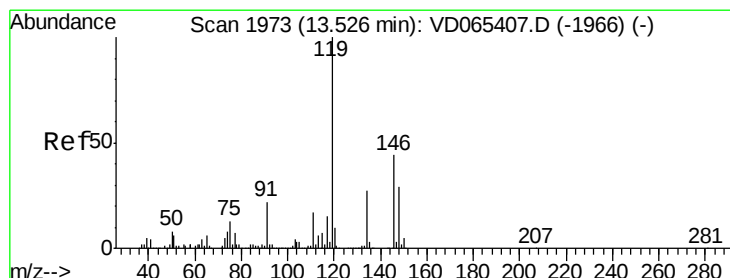
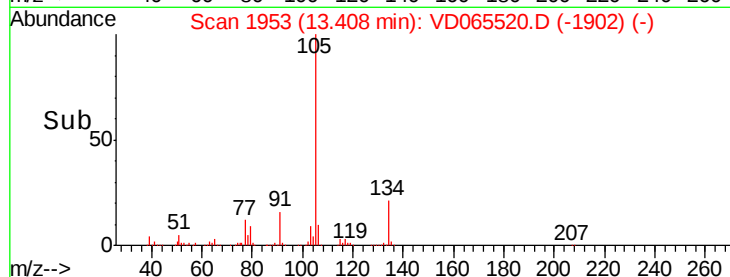
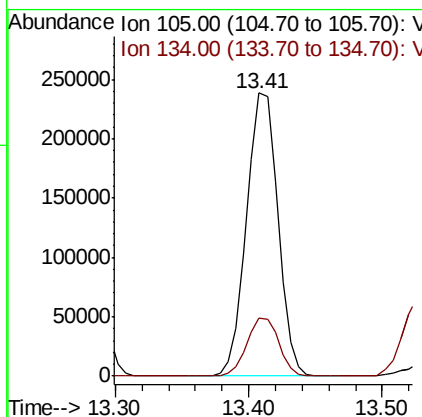
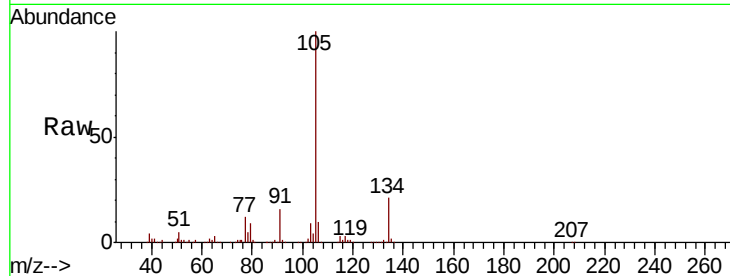
#85
 sec-Butylbenzene
 Concen: 19.743 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.00 min
 Lab File: VD065520.D
 Acq: 24 Mar 2020 15:33

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0324SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.0	10.3	30.9

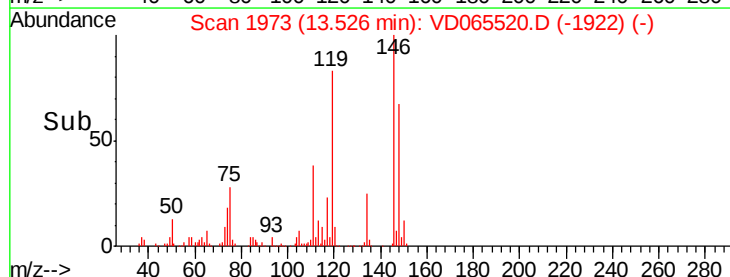
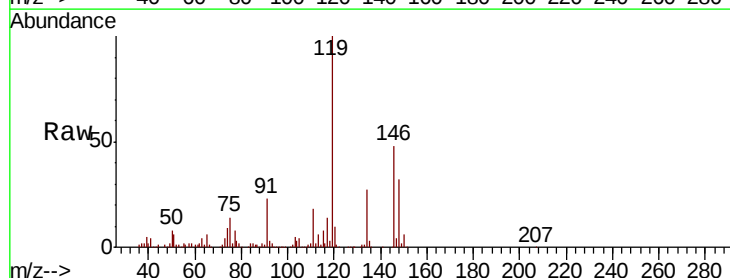
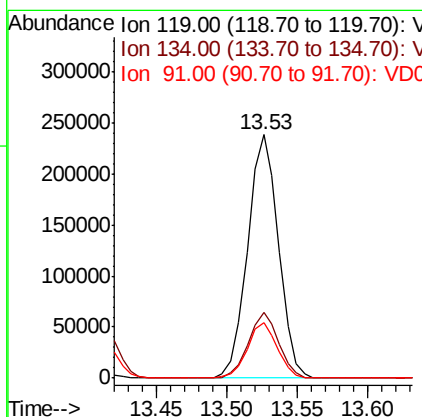
Manual Integrations
 APPROVED

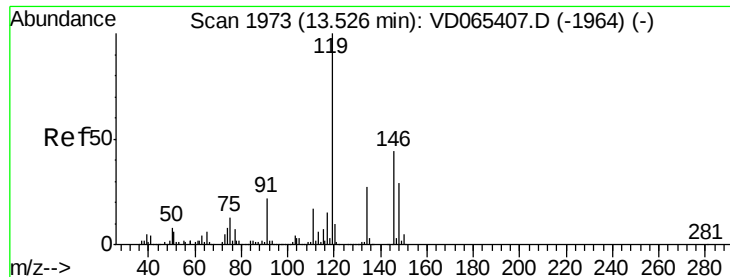
apatel
 3/25/2020 10:40:02 AM



#86
 p-Isopropyltoluene
 Concen: 20.363 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065520.D
 Acq: 24 Mar 2020 15:33

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.6	13.3	39.9
91	22.0	10.9	32.6





#87

1,3-Dichlorobenzene

Concen: 20.771 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065520.D

Acq: 24 Mar 2020 15:33

Instrument :

MSVOA_D

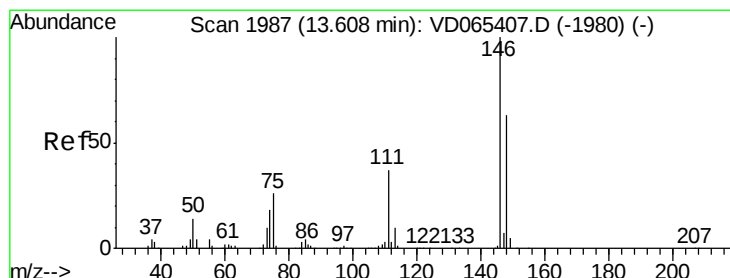
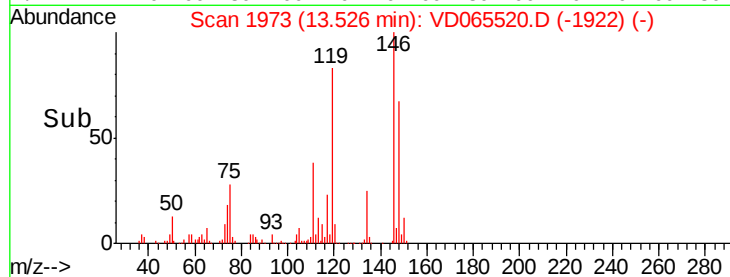
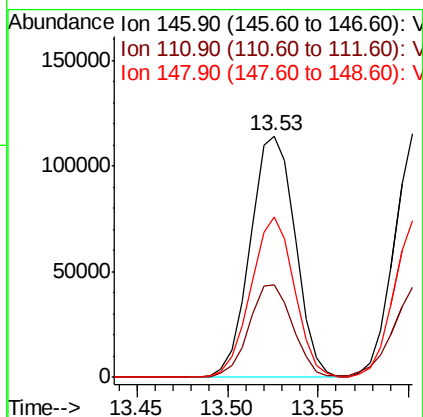
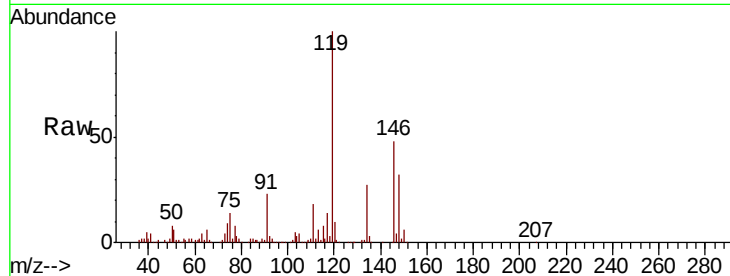
ClientSampleId :

VD0324SBS01

Tot Ion:	146	Resp:	196437
Ion Ratio	Lower	Upper	
146	100		
111	37.4	19.1	57.1
148	64.2	32.3	96.8

Manual Integrations
APPROVED

apatel
3/25/2020 10:40:02 AM



#88

1,4-Dichlorobenzene

Concen: 20.814 ug/l

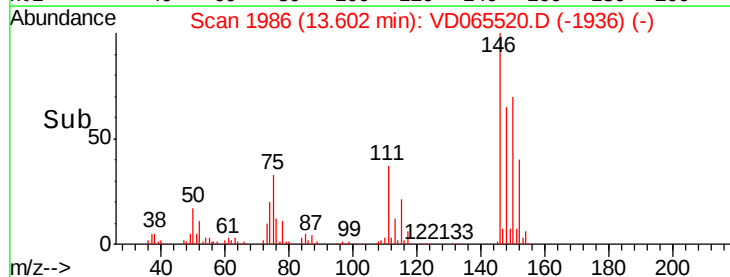
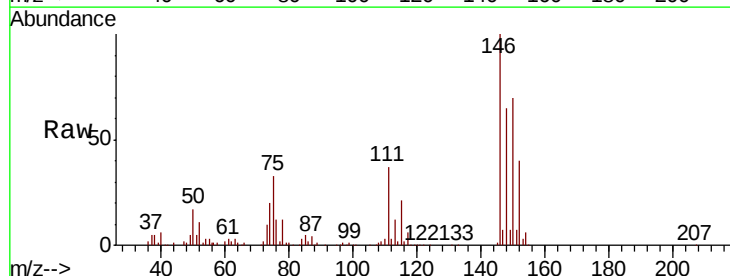
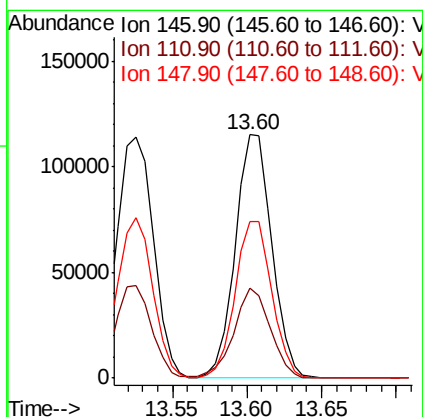
RT: 13.60 min Scan# 1986

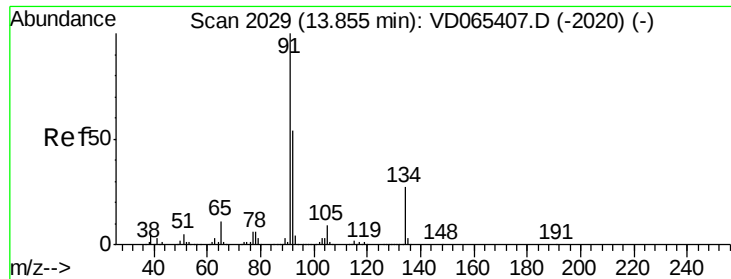
Delta R.T. -0.01 min

Lab File: VD065520.D

Acq: 24 Mar 2020 15:33

Tgt Ion:	146	Resp:	195802
Ion Ratio	Lower	Upper	
146	100		
111	37.1	18.5	55.5
148	64.7	32.0	96.0





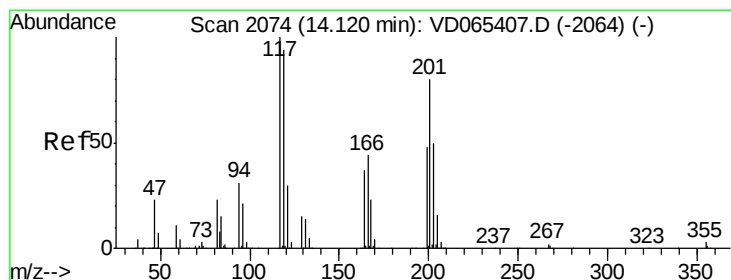
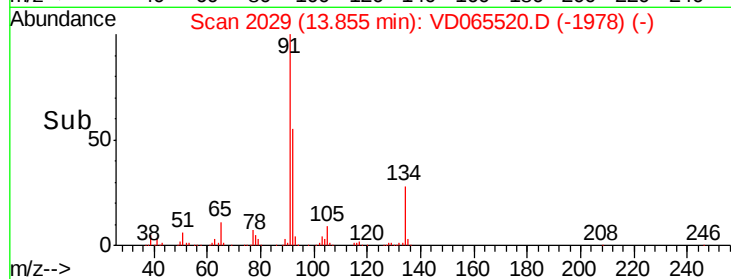
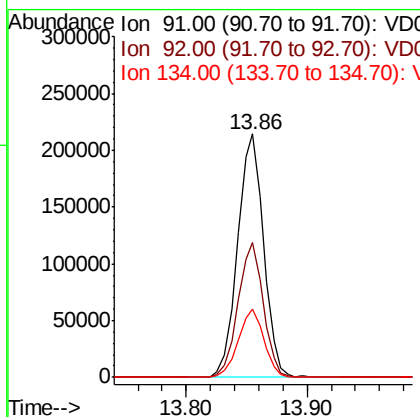
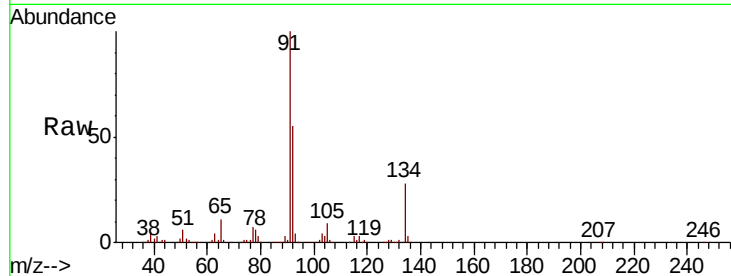
#89
n-Butylbenzene
Concen: 19.391 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD065520.D
Acq: 24 Mar 2020 15:33

Instrument :
MSVOA_D
ClientSampleId :
VD0324SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.8	26.8	80.4
134	27.6	13.4	40.2

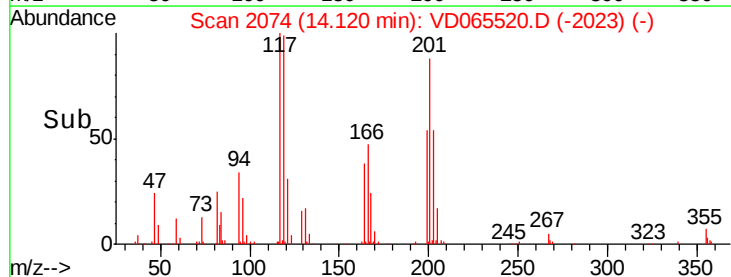
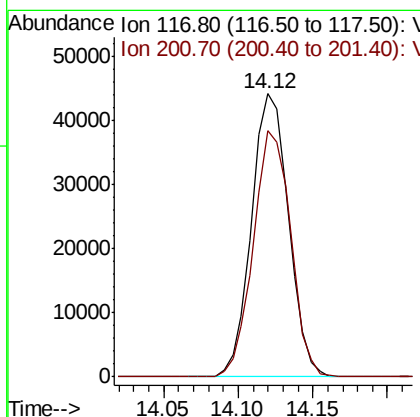
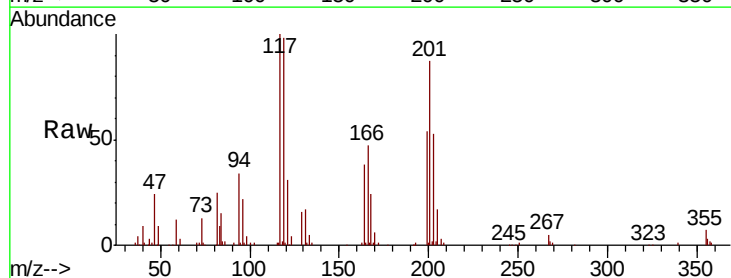
Manual Integrations
APPROVED

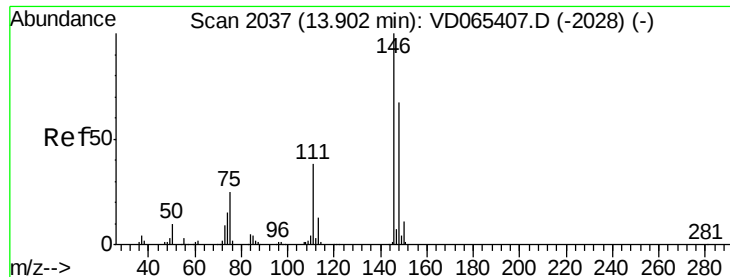
apatel
3/25/2020 10:40:02 AM



#90
Hexachloroethane
Concen: 20.454 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065520.D
Acq: 24 Mar 2020 15:33

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.8	41.9	125.6





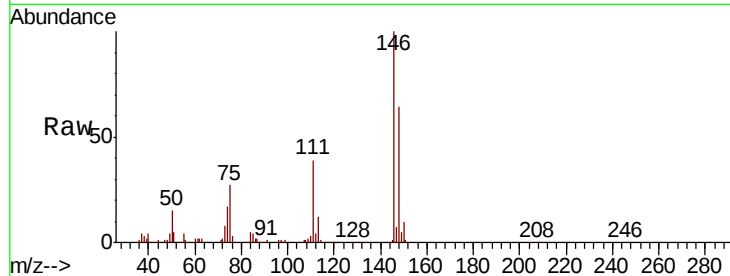
#91
 1,2-Dichlorobenzene
 Concen: 21.156 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065520.D
 Acq: 24 Mar 2020 15:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0324SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.8	59.3
148	63.6	32.6	97.8

Manual Integrations
 APPROVED

apatel
 3/25/2020 10:40:02 AM

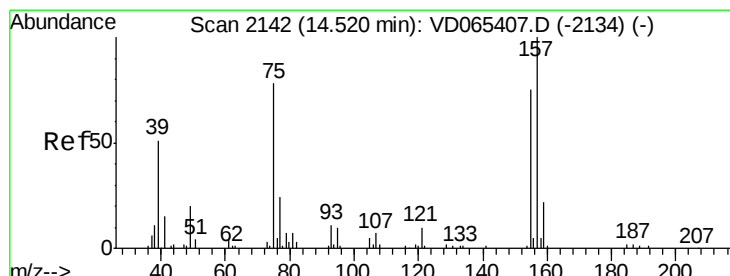
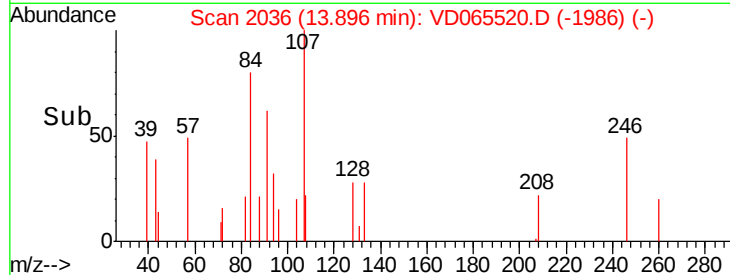
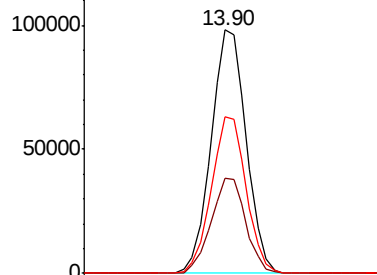


Abundance

Ion 145.90 (145.60 to 146.60): V

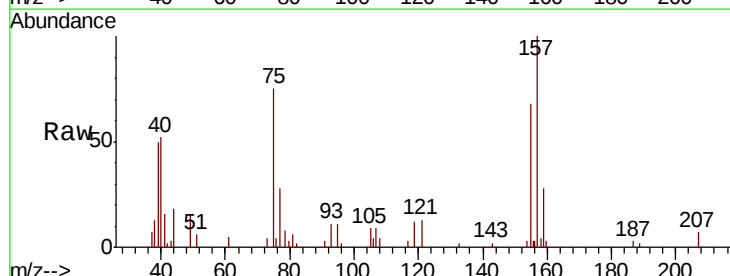
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.171 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VD065520.D
 Acq: 24 Mar 2020 15:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.7	46.4	139.1
157	122.7	60.2	180.4

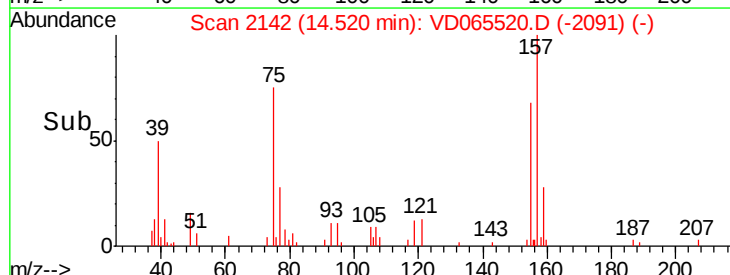
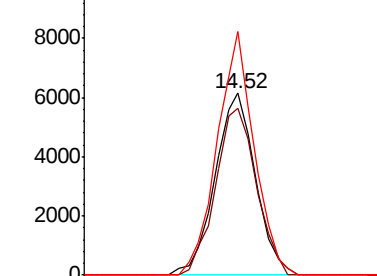


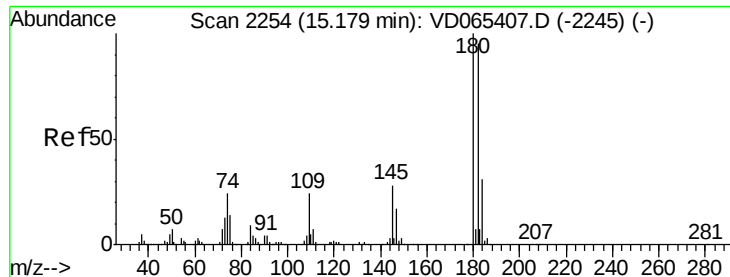
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





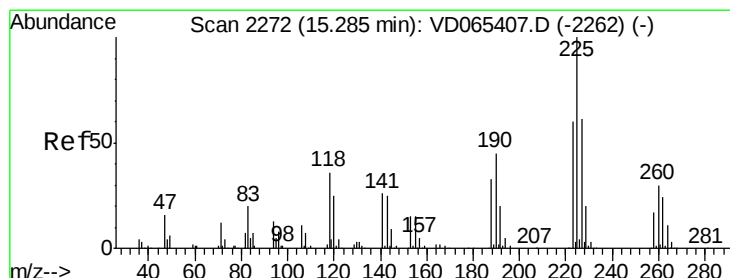
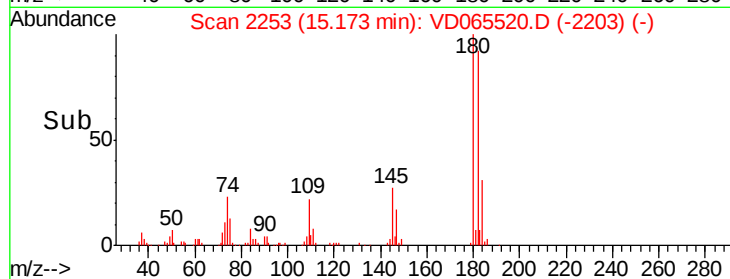
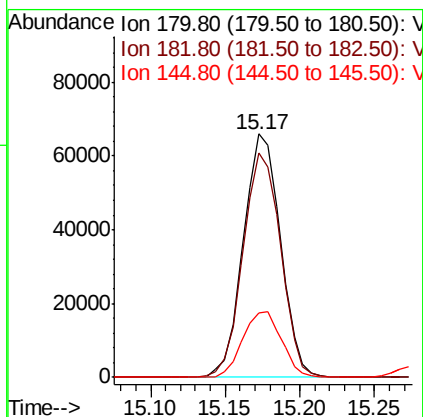
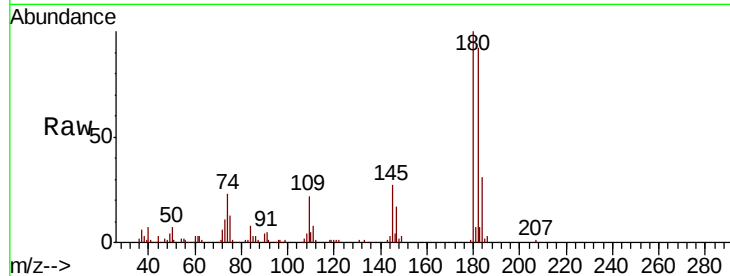
#93
 1,2,4-Trichlorobenzene
 Concen: 20.791 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065520.D
 Acq: 24 Mar 2020 15:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0324SBS01

Tot Ion:	180	Resp:	113410
Ion Ratio	Lower	Upper	
180	100		
182	93.4	48.3	144.9
145	28.3	14.4	43.4

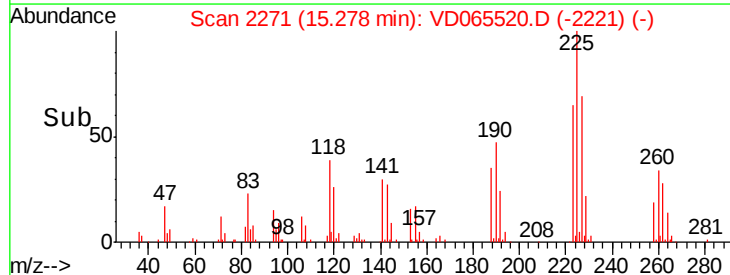
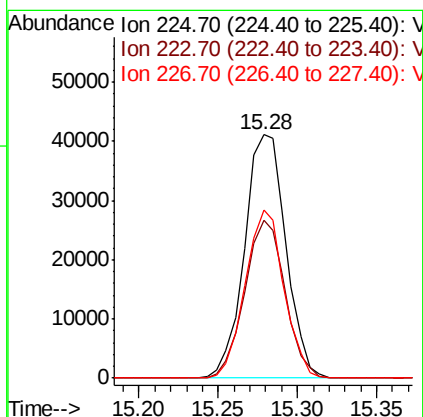
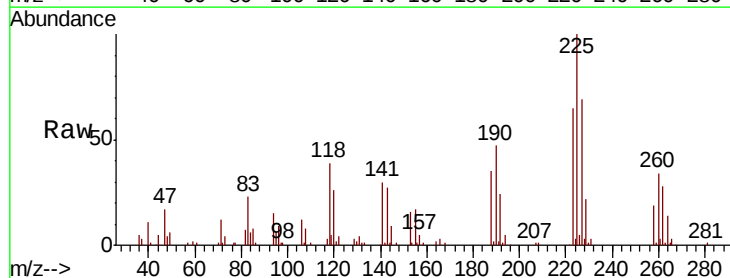
Manual Integrations
 APPROVED

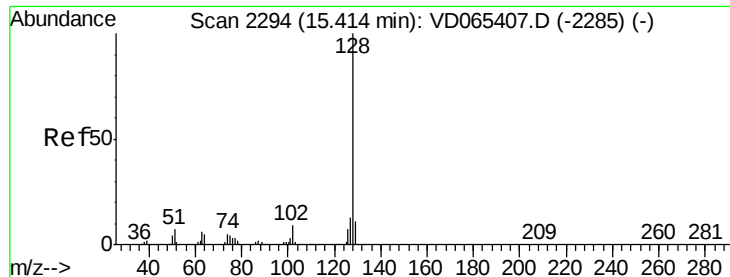
apatel
 3/25/2020 10:40:02 AM



#94
 Hexachlorobutadiene
 Concen: 20.785 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.01 min
 Lab File: VD065520.D
 Acq: 24 Mar 2020 15:33

Tgt Ion:	225	Resp:	74495
Ion Ratio	Lower	Upper	
225	100		
223	63.1	30.9	92.5
227	64.6	31.6	94.7





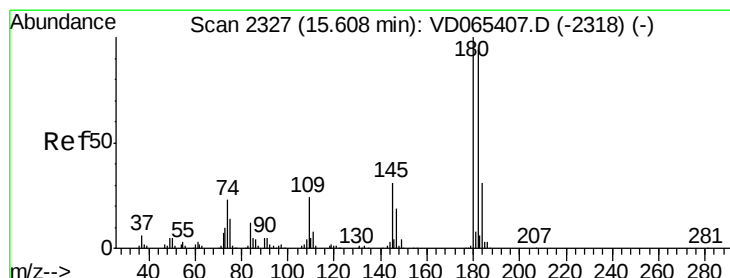
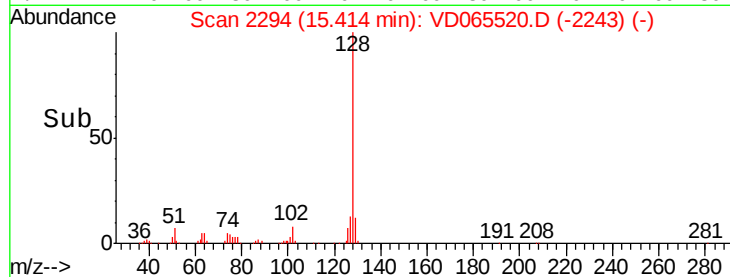
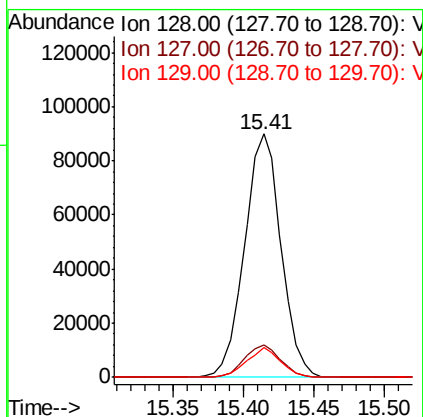
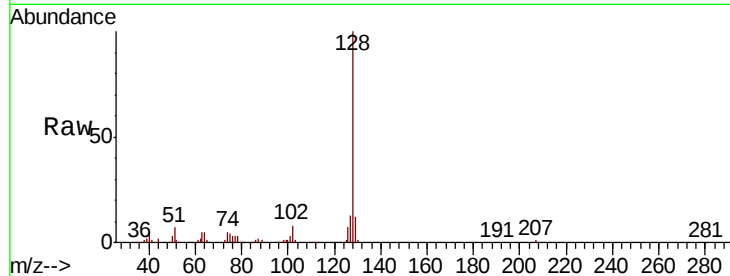
#95
Naphthalene
Concen: 19.675 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065520.D
Acq: 24 Mar 2020 15:33

Instrument :
MSVOA_D
ClientSampleId :
VD0324SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	16.0
129	11.4	8.7	13.1

Manual Integrations
APPROVED

apatel
3/25/2020 10:40:02 AM



#96
1,2,3-Trichlorobenzene
Concen: 21.098 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065520.D
Acq: 24 Mar 2020 15:33

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.3	46.9	140.6
145	30.1	15.0	45.1

