

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD123019\
 Data File : VD064673.D
 Acq On : 30 Dec 2019 12:46
 Operator : VA/SY
 Sample : VD1230SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1230SBS01

Manual Integrations
 APPROVED

apatel
 12/31/2019 11:47:26 AM

Quant Time: Dec 31 07:34:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	418325	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	600612	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	525405	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	251799	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	179761	48.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.46%	
35) Dibromofluoromethane	7.92	113	184087	49.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.92%	
50) Toluene-d8	10.34	98	720046	51.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.04%	
62) 4-Bromofluorobenzene	12.64	95	222901	49.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	68861	21.181	ug/l	93
3) Chloromethane	2.21	50	97609	21.468	ug/l	98
4) Vinyl Chloride	2.35	62	118012	21.288	ug/l	99
5) Bromomethane	2.76	94	81976	20.337	ug/l	93
6) Chloroethane	2.92	64	78346	21.091	ug/l	98
7) Trichlorofluoromethane	3.27	101	200591	21.490	ug/l	97
8) Diethyl Ether	3.71	74	37622	20.297	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	84471	21.851	ug/l	98
10) Methyl Iodide	4.30	142	79569	19.162	ug/l	99
11) Tert butyl alcohol	5.26	59	19884	94.057	ug/l	99
12) 1,1-Dichloroethene	4.06	96	78831	21.419	ug/l	96
13) Acrolein	3.92	56	26245	89.080	ug/l	99
14) Allyl chloride	4.71	41	122515	21.351	ug/l	99
15) Acrylonitrile	5.43	53	77674	100.603	ug/l	99
16) Acetone	4.17	43	81255	99.997	ug/l	93
17) Carbon Disulfide	4.40	76	251108	21.101	ug/l	97
18) Methyl Acetate	4.72	43	40649	19.574	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	162650	19.897	ug/l	98
20) Methylene Chloride	4.96	84	88186	20.491	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	88047	21.007	ug/l	95
22) Diisopropyl ether	6.37	45	238413	20.831	ug/l	99
23) Vinyl Acetate	6.31	43	655523	100.967	ug/l	100
24) 1,1-Dichloroethane	6.27	63	145395	21.161	ug/l	98
25) 2-Butanone	7.22	43	103283	101.862	ug/l	95
26) 2,2-Dichloropropane	7.21	77	135871	21.269	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	94802	20.958	ug/l	98
28) Bromochloromethane	7.55	49	48703	18.234	ug/l	99
29) Tetrahydrofuran	7.57	42	62320	98.835	ug/l	99
30) Chloroform	7.71	83	151685	21.042	ug/l	100
31) Cyclohexane	7.99	56	144236	20.971	ug/l #	91
32) 1,1,1-Trichloroethane	7.90	97	145099	21.430	ug/l	99
36) 1,1-Dichloropropene	8.11	75	123916	21.436	ug/l	98
37) Ethyl Acetate	7.30	43	44582	19.631	ug/l #	95
38) Carbon Tetrachloride	8.09	117	134438	21.810	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD123019\
 Data File : VD064673.D
 Acq On : 30 Dec 2019 12:46
 Operator : VA/SY
 Sample : VD1230SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1230SBS01

Manual Integrations
 APPROVED

apatel
 12/31/2019 11:47:26 AM

Quant Time: Dec 31 07:34:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	152980	21.849	ug/l	97
40) Benzene	8.35	78	336160	21.301	ug/l	96
41) Methacrylonitrile	7.53	41	22049	16.734	ug/l #	59
42) 1,2-Dichloroethane	8.43	62	93389	20.478	ug/l	98
43) Isopropyl Acetate	8.46	43	87909	19.448	ug/l	98
44) Trichloroethene	9.11	130	99214	21.401	ug/l	98
45) 1,2-Dichloropropane	9.39	63	80408	21.340	ug/l	93
46) Dibromomethane	9.48	93	42705	20.328	ug/l	99
47) Bromodichloromethane	9.66	83	114504	20.483	ug/l	97
48) Methyl methacrylate	9.46	41	40230	18.902	ug/l	90
49) 1,4-Dioxane	9.46	88	9946	410.597	ug/l	99
51) 4-Methyl-2-Pentanone	10.23	43	218333	97.720	ug/l	99
52) Toluene	10.40	92	216653	20.925	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	107339	20.596	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	128452	20.902	ug/l #	94
55) 1,1,2-Trichloroethane	10.80	97	58717	20.740	ug/l	97
56) Ethyl methacrylate	10.66	69	66394	18.778	ug/l	97
57) 1,3-Dichloropropane	10.95	76	100018	20.518	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	139391	103.476	ug/l	99
59) 2-Hexanone	10.98	43	148807	98.128	ug/l	98
60) Dibromochloromethane	11.14	129	79844	20.394	ug/l	100
61) 1,2-Dibromoethane	11.25	107	55668	19.936	ug/l	98
64) Tetrachloroethene	10.87	164	85719	21.266	ug/l	98
65) Chlorobenzene	11.67	112	227350	20.849	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	84271	20.499	ug/l	99
67) Ethyl Benzene	11.75	91	412086	20.820	ug/l	100
68) m/p-Xylenes	11.86	106	318835	41.735	ug/l	100
69) o-Xylene	12.18	106	143141	20.744	ug/l	98
70) Styrene	12.20	104	246490	20.351	ug/l	98
71) Bromoform	12.37	173	45555	19.432	ug/l #	99
73) Isopropylbenzene	12.48	105	397060	22.066	ug/l	100
74) N-amyl acetate	12.29	43	78232	20.339	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	61188	21.646	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	36747m	18.481	ug/l	
77) Bromobenzene	12.76	156	95168	21.524	ug/l	98
78) n-propylbenzene	12.83	91	466956	22.244	ug/l	99
79) 2-Chlorotoluene	12.91	91	254746	22.090	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	325450	22.018	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	19425	20.432	ug/l	92
82) 4-Chlorotoluene	13.01	91	268778	21.901	ug/l	99
83) tert-Butylbenzene	13.23	119	280123	21.827	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	320086	21.743	ug/l	99
85) sec-Butylbenzene	13.41	105	388730	22.094	ug/l	99
86) p-Isopropyltoluene	13.53	119	365955	21.752	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	178302	21.154	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	176743	21.345	ug/l	99
89) n-Butylbenzene	13.86	91	336461	22.208	ug/l	99
90) Hexachloroethane	14.12	117	68897	21.439	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	151233	21.042	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	9793	21.371	ug/l	91

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD123019\
Data File : VD064673.D
Acq On : 30 Dec 2019 12:46
Operator : VA/SY
Sample : VD1230SBS01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1230SBS01

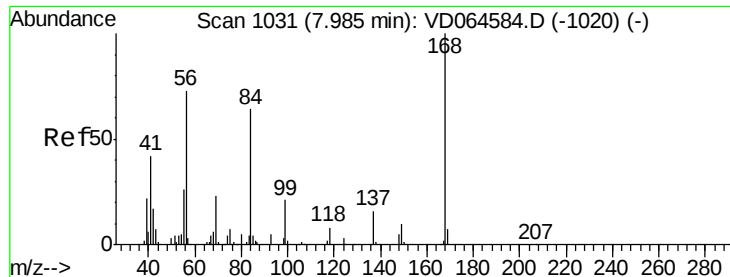
Manual Integrations
APPROVED

apatel
12/31/2019 11:47:26 AM

Quant Time: Dec 31 07:34:33 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 24 13:19:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	108033	20.414	ug/l	99
94) Hexachlorobutadiene	15.28	225	69572	20.892	ug/l	98
95) Naphthalene	15.41	128	161972	19.347	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	92487	20.472	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064673.D

Acq: 30 Dec 2019 12:46

Instrument :

MSVOA_D

ClientSampleId :

VD1230SBS01

Tot Ion:168 Resp: 418325

Ion Ratio Lower Upper

168 100

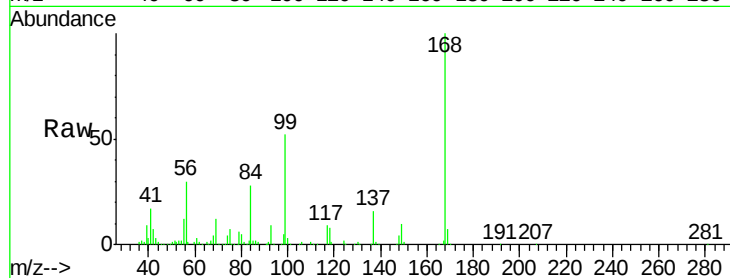
99 51.8 41.8 62.6

Manual Integrations

APPROVED

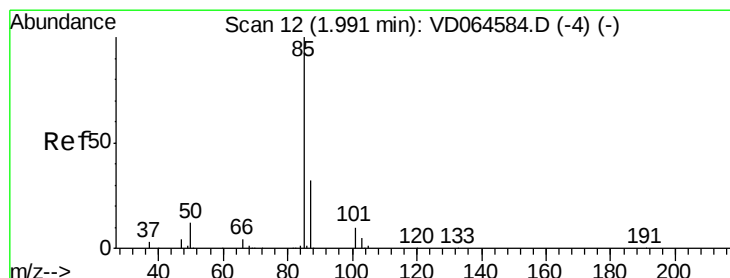
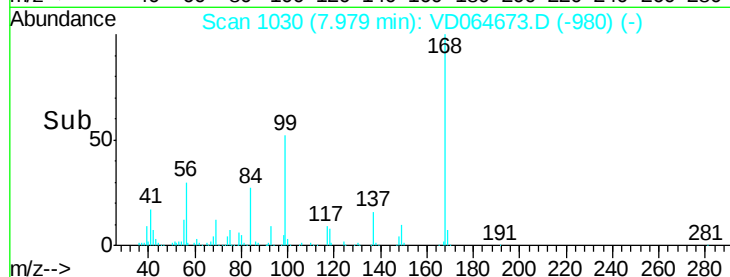
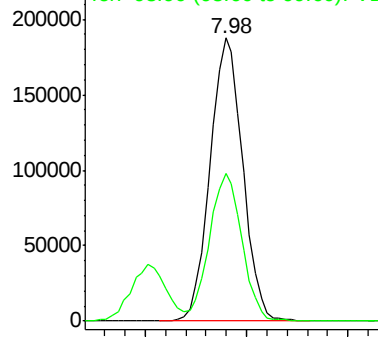
apatel

12/31/2019 11:47:26 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 21.181 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064673.D

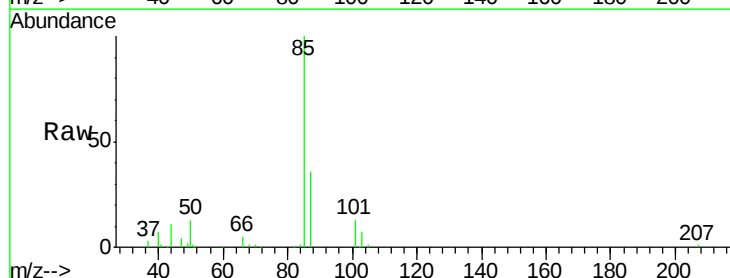
Acq: 30 Dec 2019 12:46

Tgt Ion: 85 Resp: 68861

Ion Ratio Lower Upper

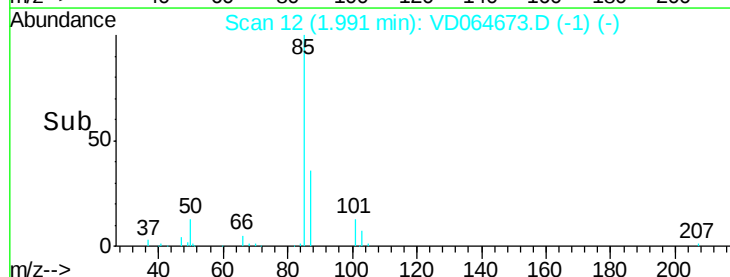
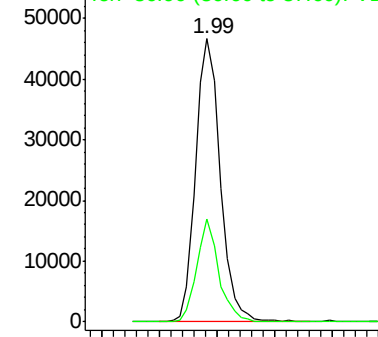
85 100

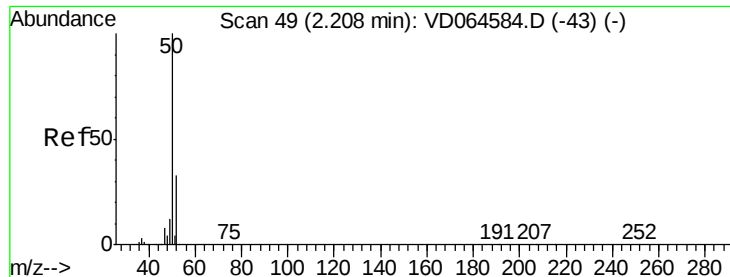
87 36.3 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.468 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064673.D

Acq: 30 Dec 2019 12:46

Instrument :

MSVOA_D

ClientSampleId :

VD1230SBS01

Tot Ion: 50 Resp: 97609

Ion Ratio Lower Upper

50 100

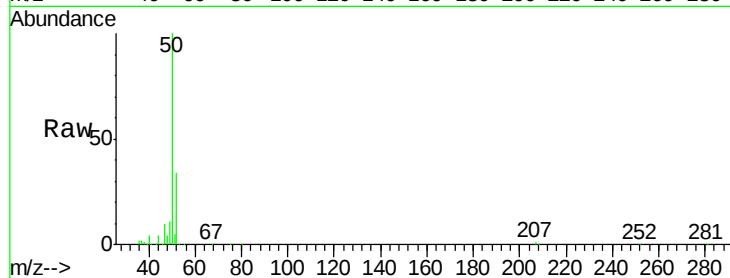
52 34.1 26.5 39.7

Manual Integrations

APPROVED

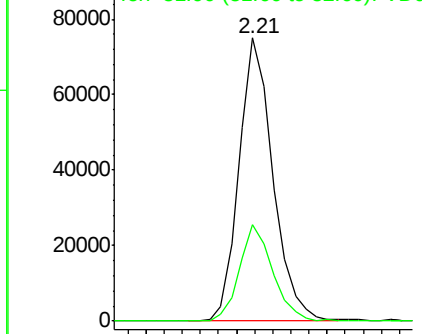
apatel

12/31/2019 11:47:26 AM

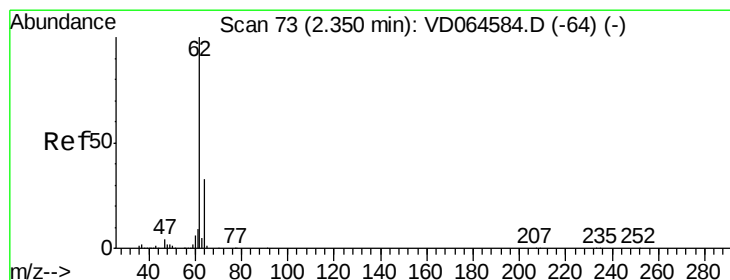
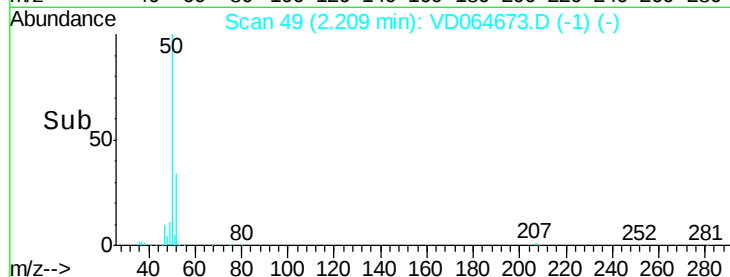


Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



Time-->



#4

Vinyl Chloride

Concen: 21.288 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064673.D

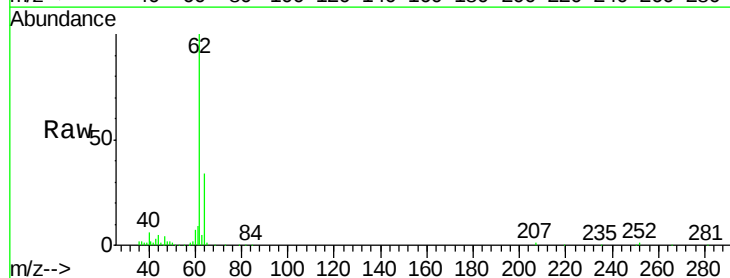
Acq: 30 Dec 2019 12:46

Tgt Ion: 62 Resp: 118012

Ion Ratio Lower Upper

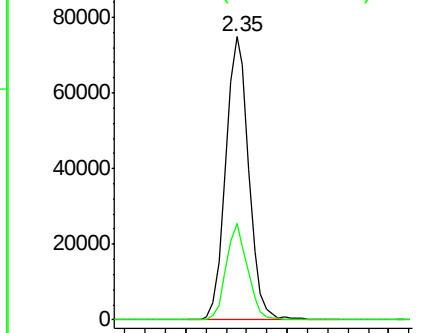
62 100

64 34.1 26.6 40.0

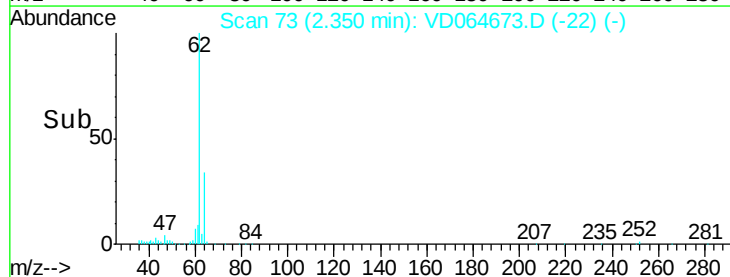


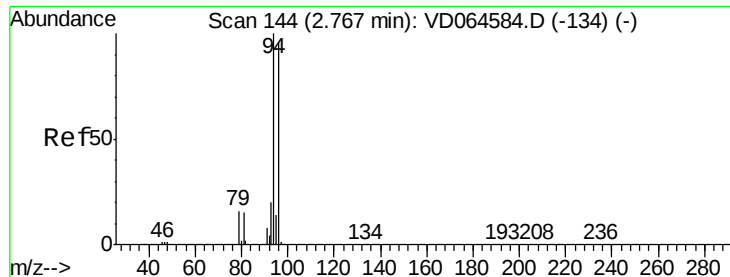
Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC



Time-->





#5

Bromomethane

Concen: 20.337 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD064673.D

Acq: 30 Dec 2019 12:46

Instrument :

MSVOA_D

ClientSampleId :

VD1230SBS01

Tot Ion: 94 Resp: 81976

Ion Ratio Lower Upper

94 100

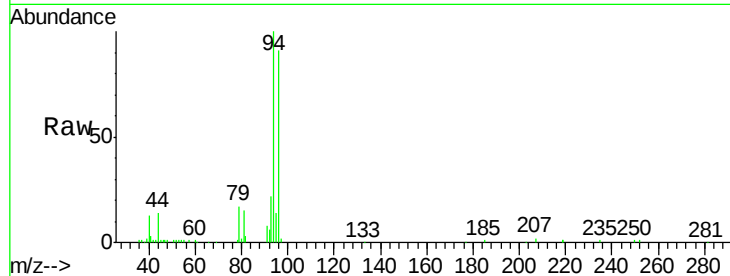
96 89.7 77.2 115.8

Manual Integrations

APPROVED

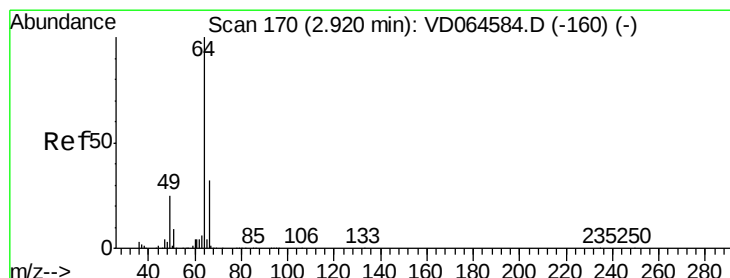
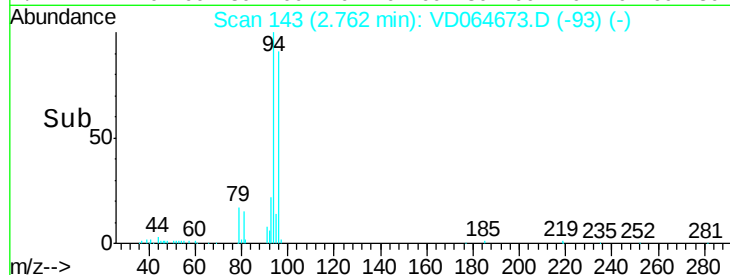
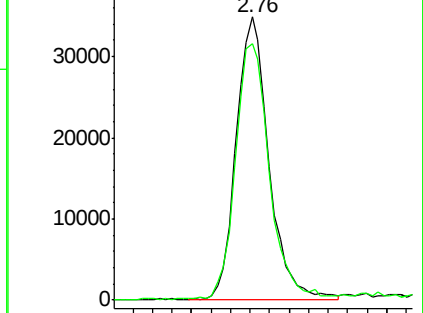
apatel

12/31/2019 11:47:26 AM



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 21.091 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064673.D

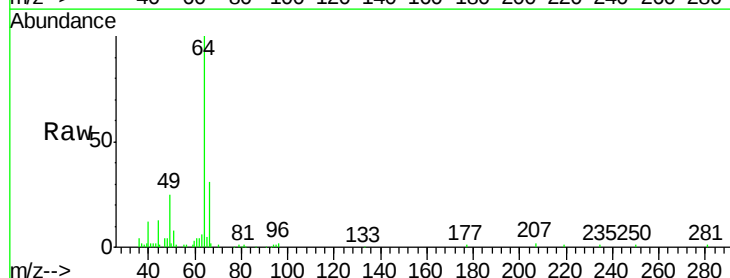
Acq: 30 Dec 2019 12:46

Tgt Ion: 64 Resp: 78346

Ion Ratio Lower Upper

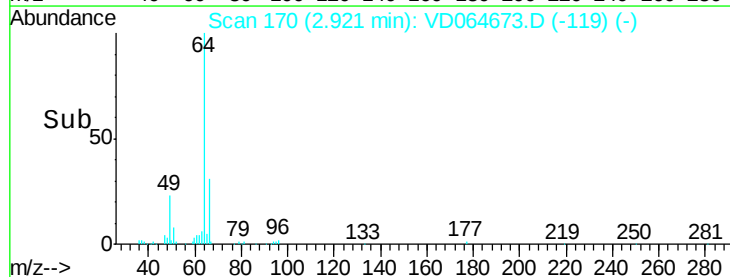
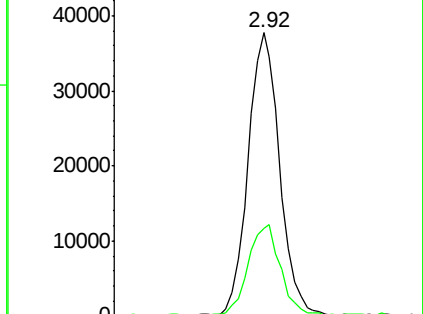
64 100

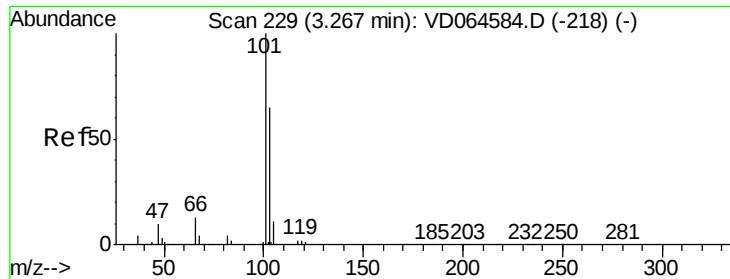
66 31.0 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

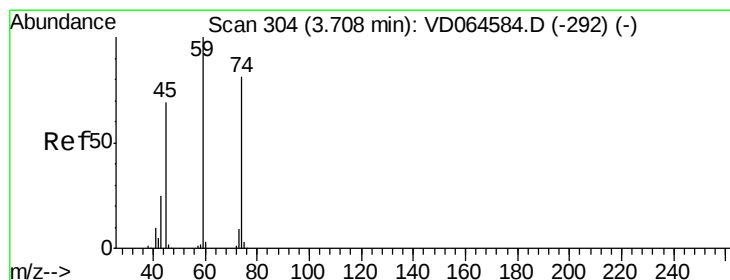
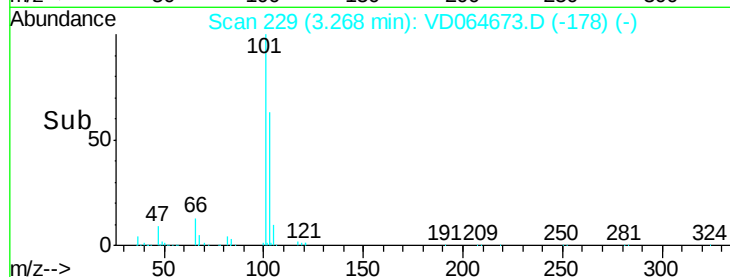
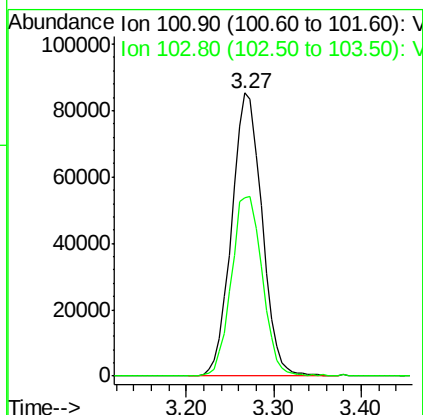
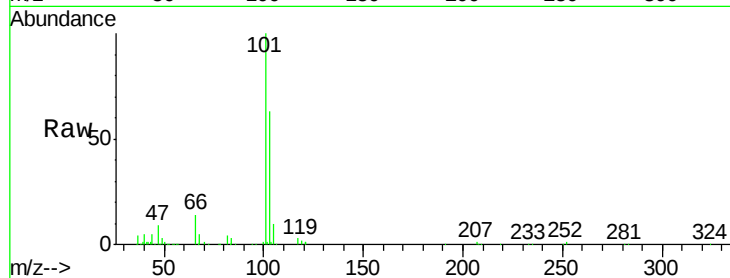
Trichlorofluoromethane
Concen: 21.490 ug/l
RT: 3.27 min Scan# 229
Delta R.T. 0.00 min
Lab File: VD064673.D
Acq: 30 Dec 2019 12:46

Instrument :
MSVOA_D
ClientSampleId :
VD1230SBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	200591		
103	63.1	52.2	78.4	

Manual Integrations
APPROVED

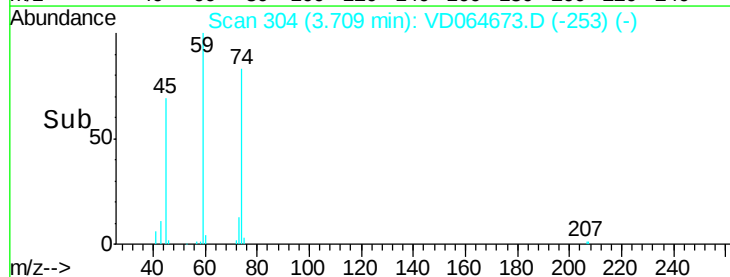
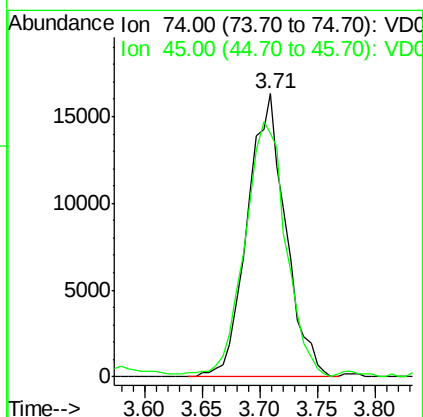
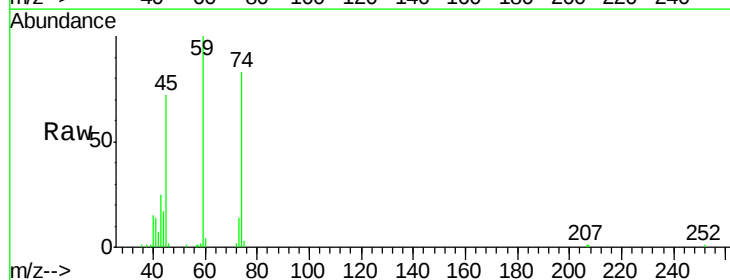
apatel
12/31/2019 11:47:26 AM



#8

Diethyl Ether
Concen: 20.297 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD064673.D
Acq: 30 Dec 2019 12:46

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	37622		
45	97.8	47.5	142.5	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.851 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064673.D

Acq: 30 Dec 2019 12:46

Instrument :

MSVOA_D

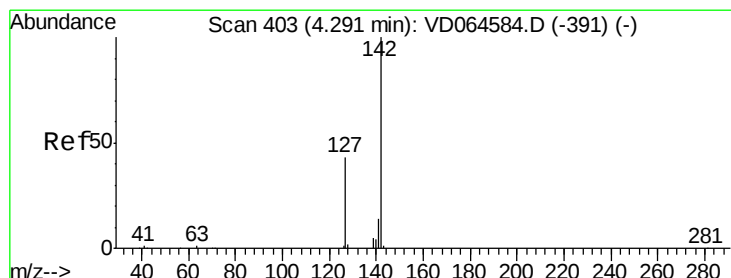
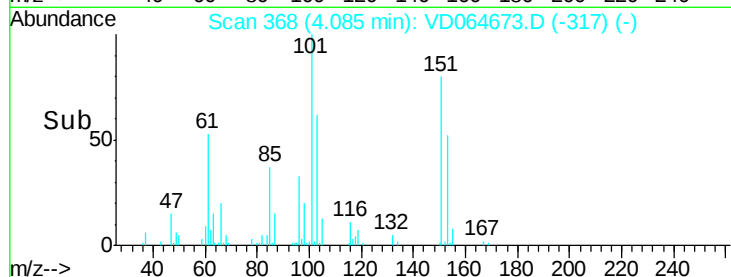
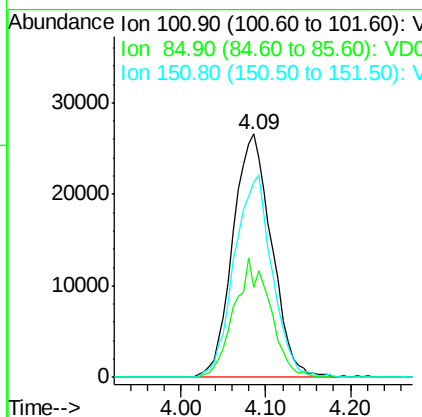
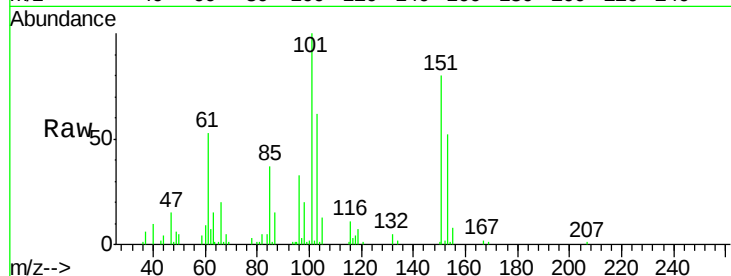
ClientSampleId :

VD1230SBS01

Tot Ion:	101	Resp:	84471
Ion Ratio	Lower	Upper	
101	100		
85	45.6	35.2	52.8
151	81.3	66.2	99.4

Manual Integrations
APPROVED

apatel
12/31/2019 11:47:26 AM



#10

Methyl Iodide

Concen: 19.162 ug/l

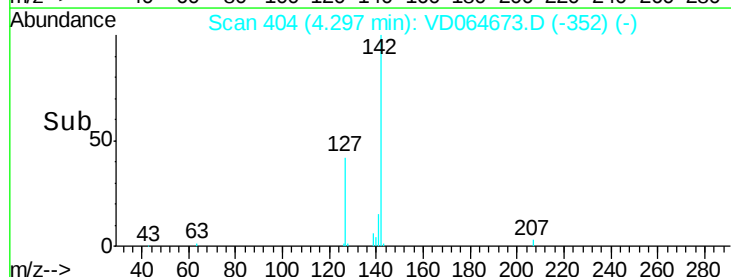
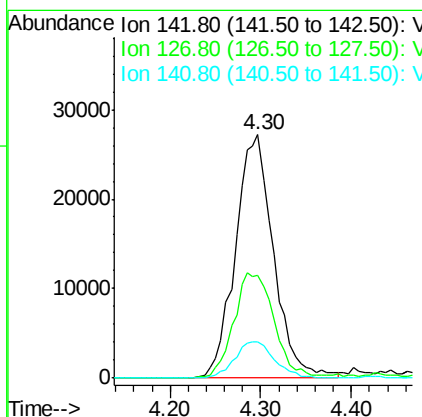
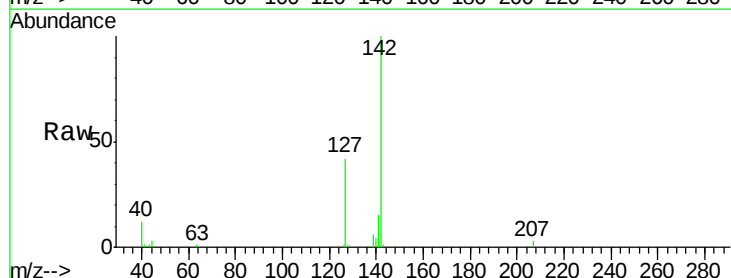
RT: 4.30 min Scan# 404

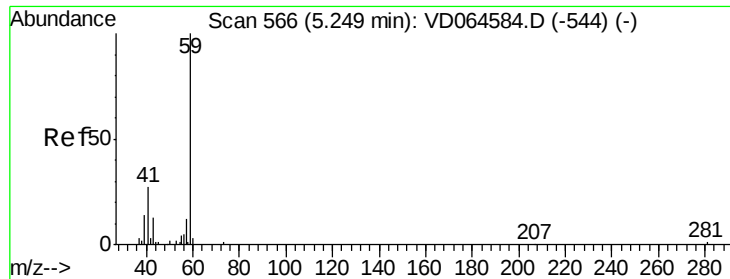
Delta R.T. 0.01 min

Lab File: VD064673.D

Acq: 30 Dec 2019 12:46

Tgt Ion:	142	Resp:	79569
Ion Ratio	Lower	Upper	
142	100		
127	45.5	36.2	54.4
141	15.6	11.8	17.8





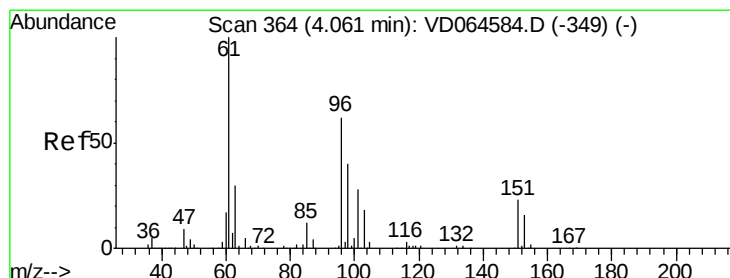
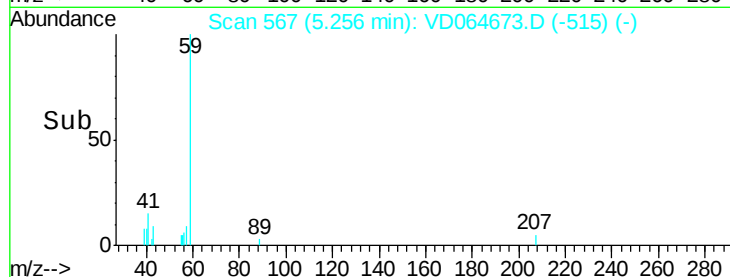
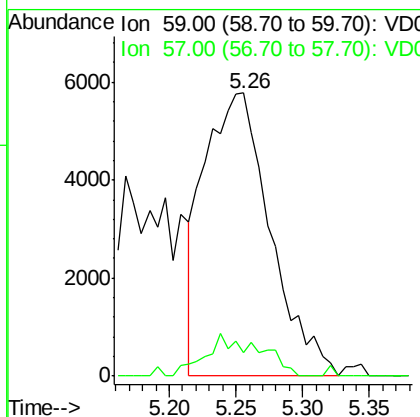
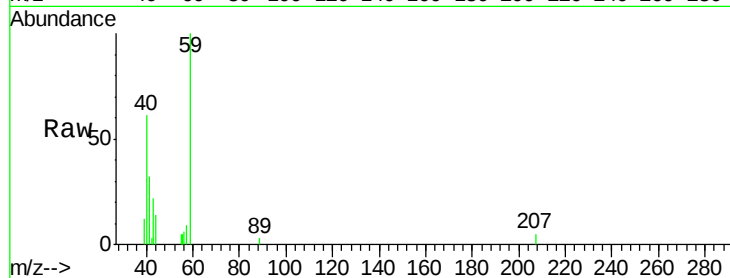
#11
Tert butyl alcohol
Concen: 94.057 ug/l
RT: 5.26 min Scan# 567
Delta R.T. 0.01 min
Lab File: VD064673.D
Acq: 30 Dec 2019 12:46

Instrument :
MSVOA_D
ClientSampleId :
VD1230SBS01

Tot Ion: 59 Resp: 19884
Ion Ratio Lower Upper
59 100
57 12.1 9.3 13.9

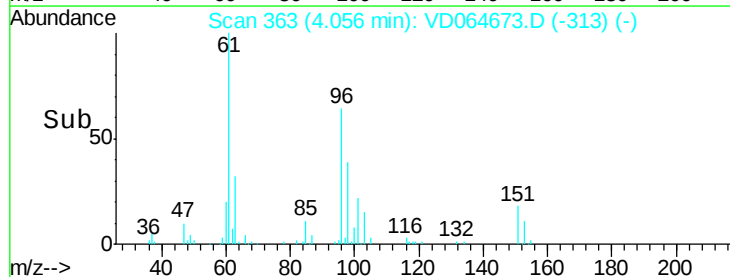
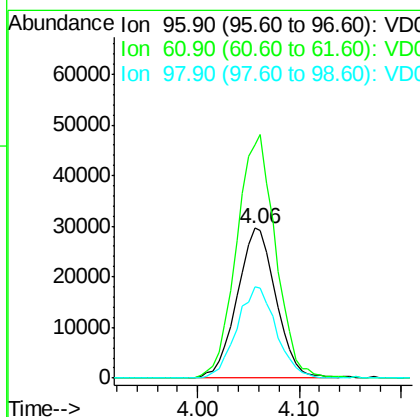
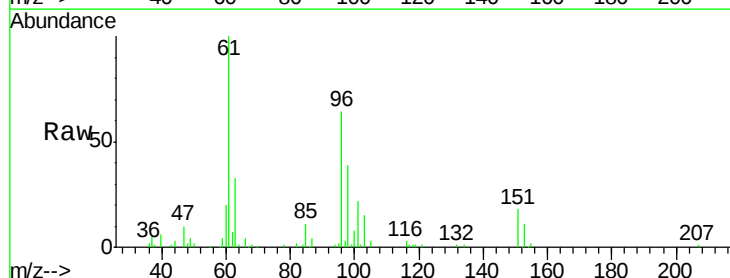
Manual Integrations
APPROVED

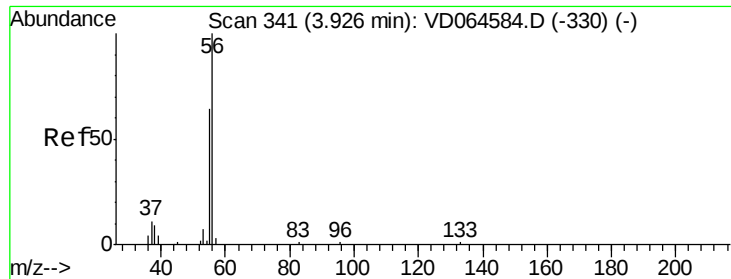
apatel
12/31/2019 11:47:26 AM



#12
1,1-Dichloroethene
Concen: 21.419 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064673.D
Acq: 30 Dec 2019 12:46

Tgt Ion: 96 Resp: 78831
Ion Ratio Lower Upper
96 100
61 155.9 129.4 194.0
98 61.2 51.4 77.0





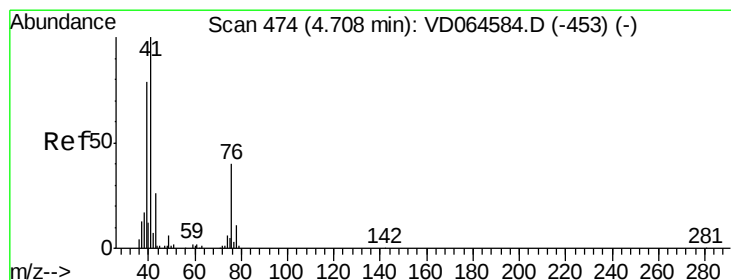
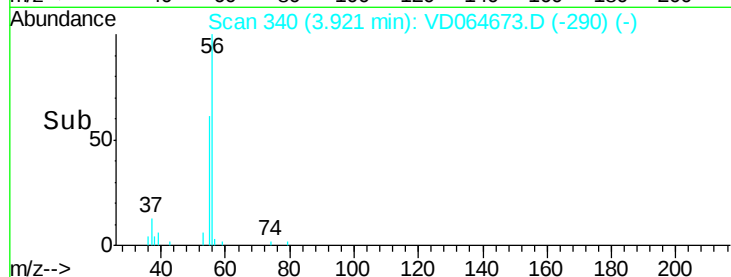
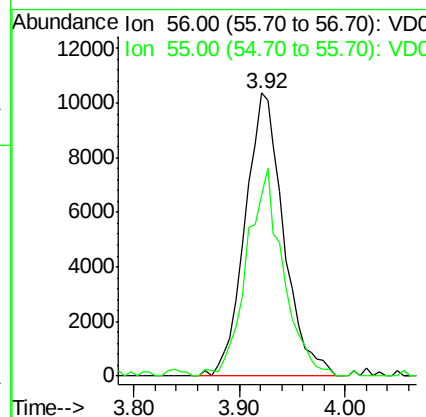
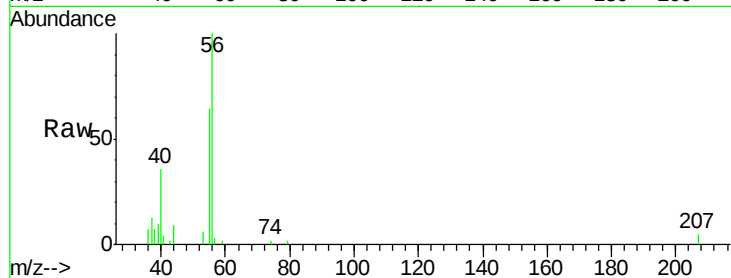
#13
Acrolein
Concen: 89.080 ug/l
RT: 3.92 min Scan# 340
Delta R.T. -0.01 min
Lab File: VD064673.D
Acq: 30 Dec 2019 12:46

Instrument :
MSVOA_D
ClientSampleId :
VD1230SBS01

Tot Ion	56	Resp	26245
Ion Ratio	100	Lower	Upper
56	100		
55	69.7	56.7	85.1

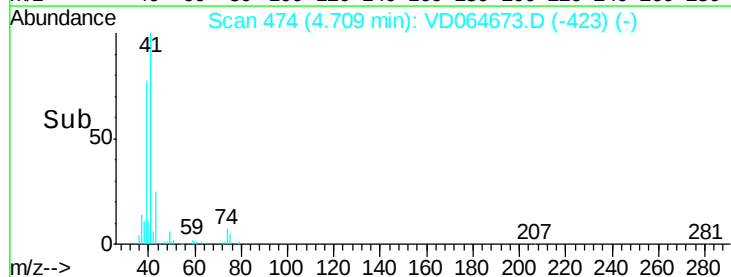
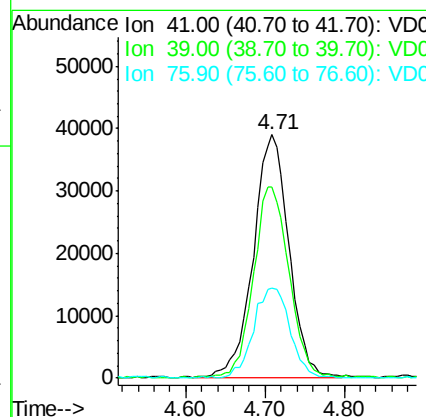
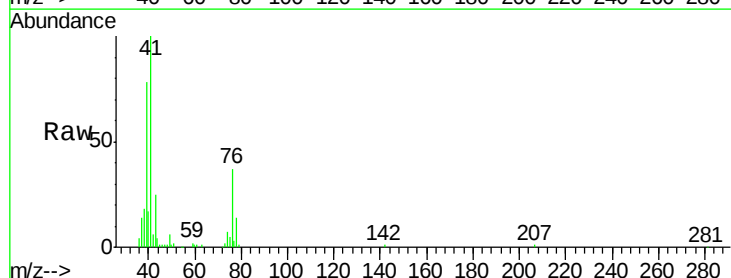
Manual Integrations
APPROVED

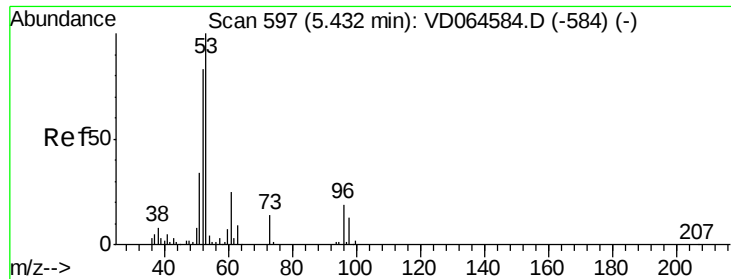
apatel
12/31/2019 11:47:26 AM



#14
Allyl chloride
Concen: 21.351 ug/l
RT: 4.71 min Scan# 474
Delta R.T. 0.00 min
Lab File: VD064673.D
Acq: 30 Dec 2019 12:46

Tgt Ion	41	Resp	122515
Ion Ratio	100	Lower	Upper
41	100		
39	78.9	62.3	93.5
76	38.0	29.7	44.5





#15

Acrylonitrile

Concen: 100.603 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064673.D

Acq: 30 Dec 2019 12:46

Instrument :

MSVOA_D

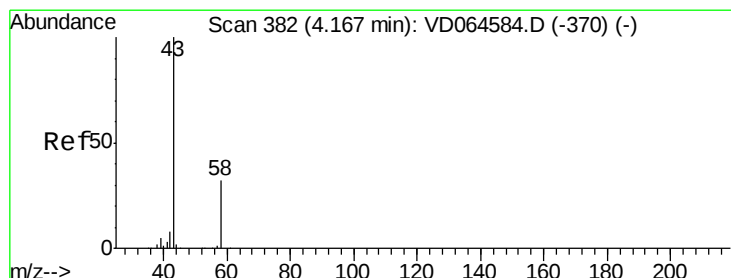
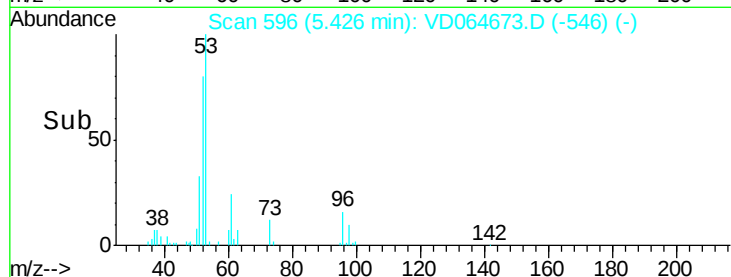
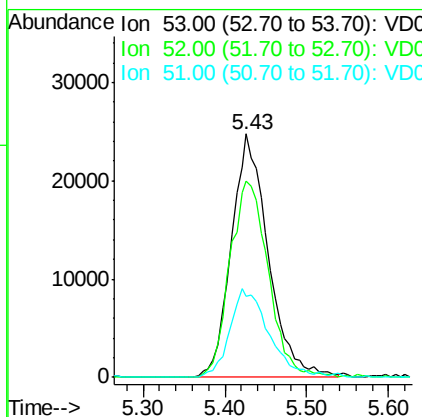
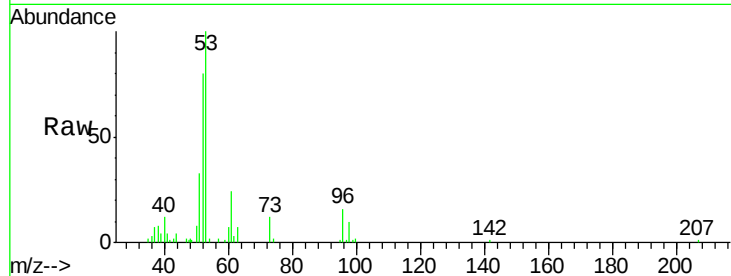
ClientSampleId :

VD1230SBS01

Tot Ion:	53	Resp:	77674
Ion Ratio	Lower	Upper	
53	100		
52	84.0	66.2	99.2
51	38.0	30.1	45.1

Manual Integrations
APPROVED

apatel
12/31/2019 11:47:26 AM



#16

Acetone

Concen: 99.997 ug/l

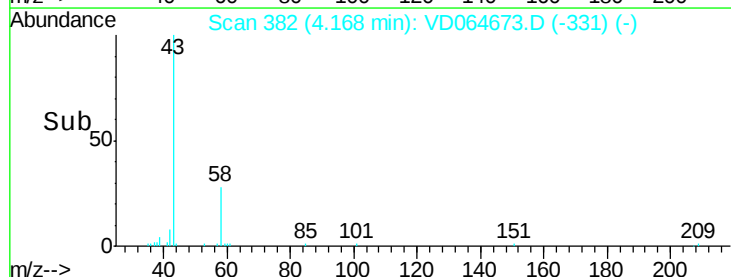
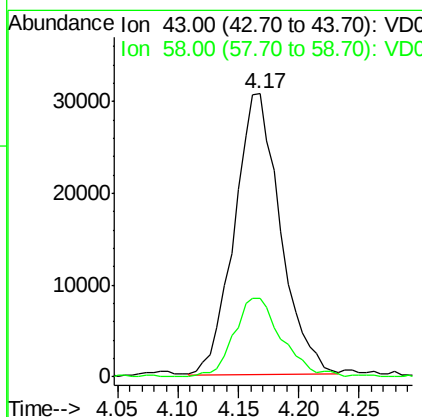
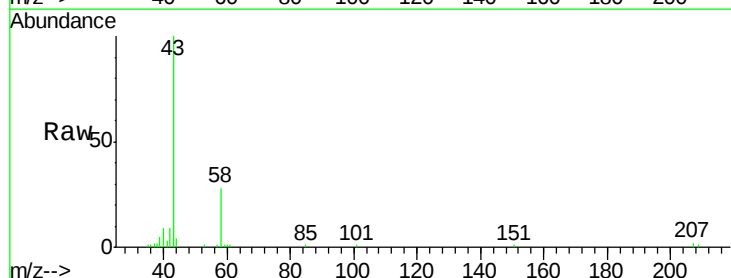
RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064673.D

Acq: 30 Dec 2019 12:46

Tgt Ion:	43	Resp:	81255
Ion Ratio	Lower	Upper	
43	100		
58	28.2	25.8	38.6





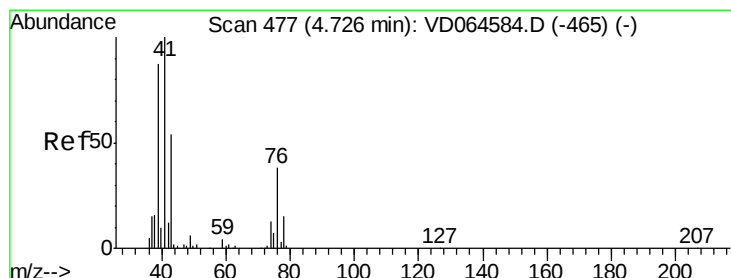
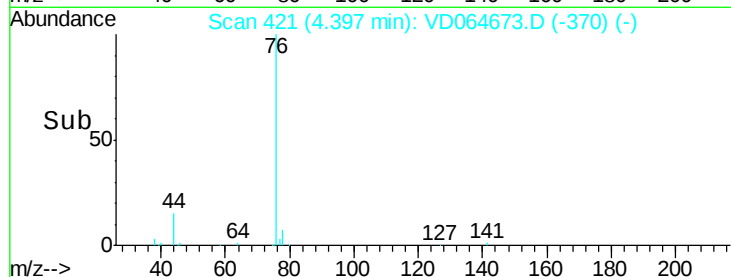
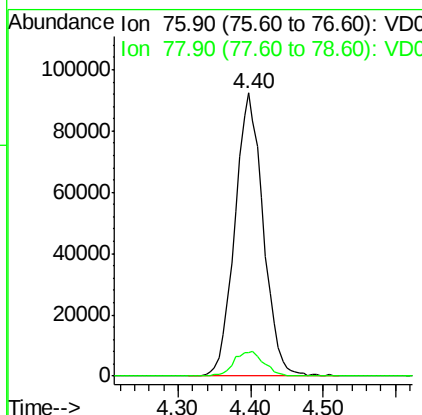
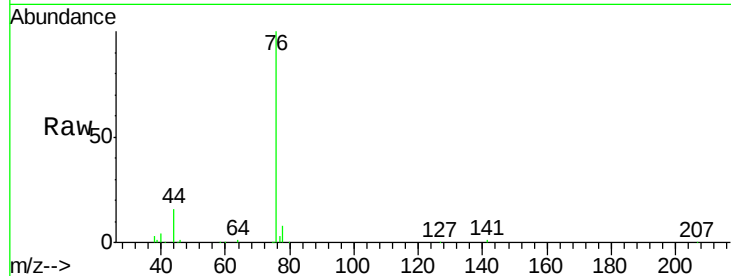
#17
Carbon Disulfide
Concen: 21.101 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.00 min
Lab File: VD064673.D
Acq: 30 Dec 2019 12:46

Instrument :
MSVOA_D
ClientSampleId :
VD1230SBS01

Tot Ion	Ratio	Resp	Lower	Upper
76	100	251108		
78	8.2		7.3	10.9

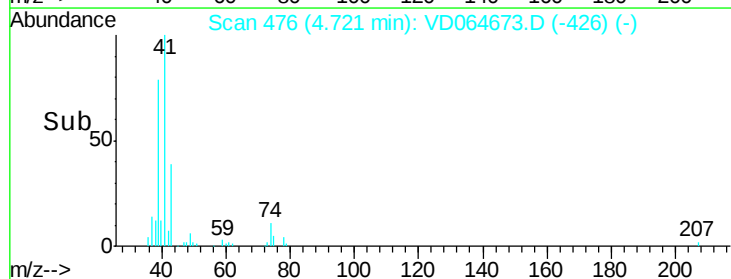
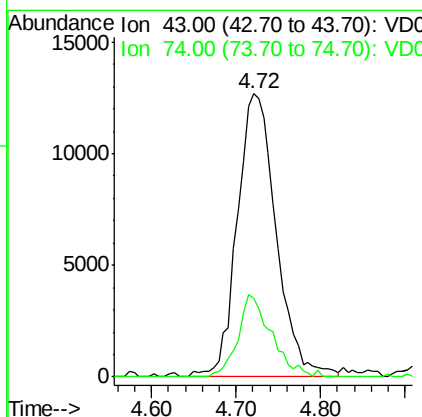
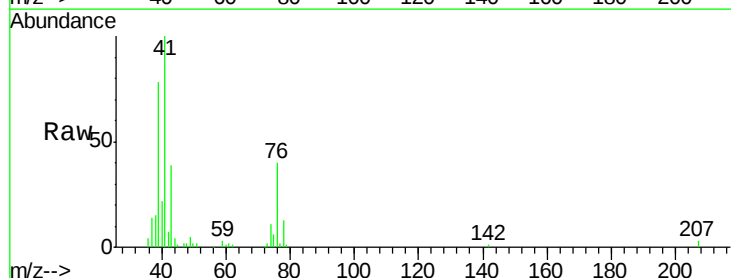
Manual Integrations
APPROVED

apatel
12/31/2019 11:47:26 AM



#18
Methyl Acetate
Concen: 19.574 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD064673.D
Acq: 30 Dec 2019 12:46

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	40649		
74	24.6		19.2	28.8





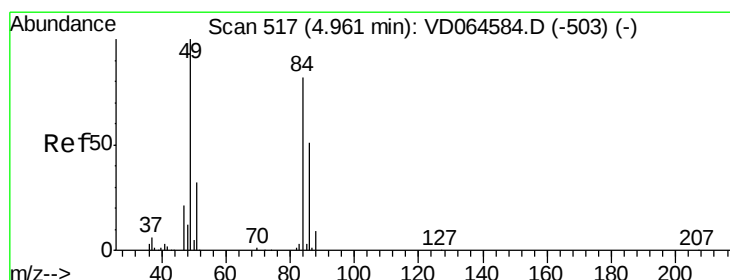
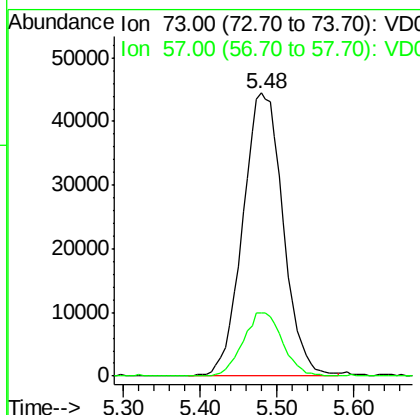
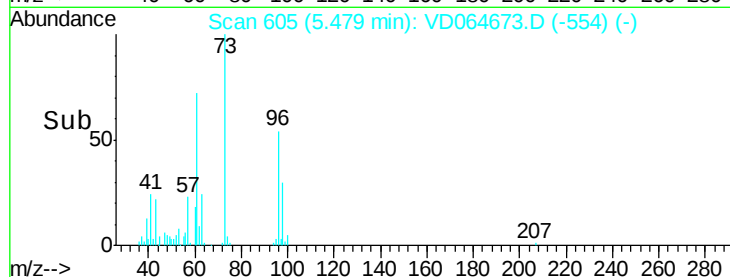
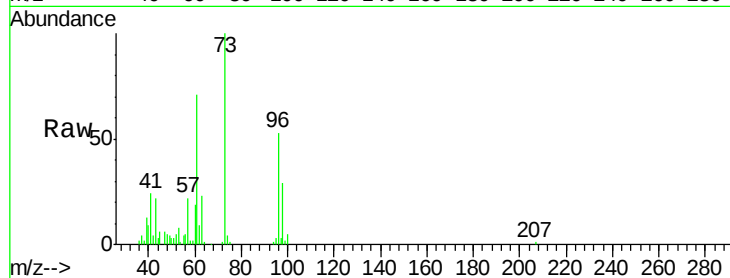
#19
Methyl tert-butyl Ether
Concen: 19.897 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.00 min
Lab File: VD064673.D
Acq: 30 Dec 2019 12:46

Instrument :
MSVOA_D
ClientSampleId :
VD1230SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.5	18.6	27.8

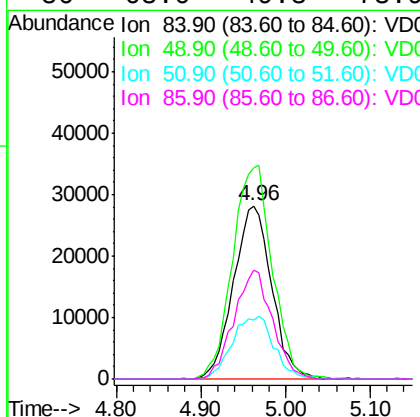
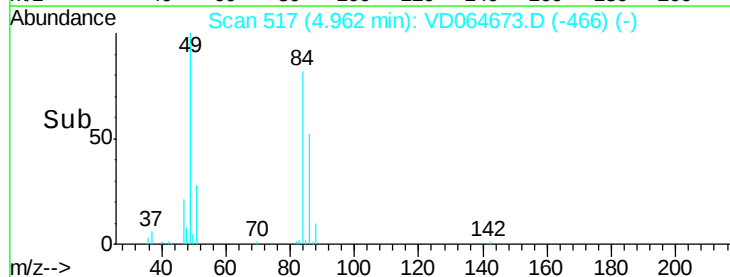
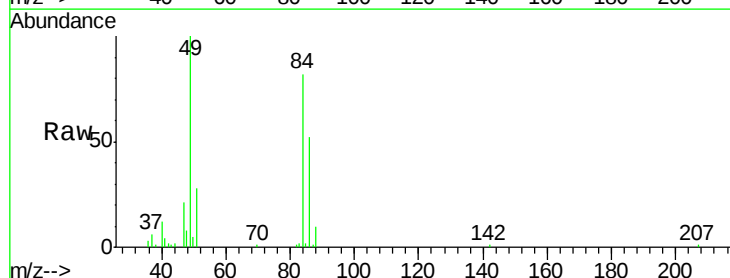
Manual Integrations
APPROVED

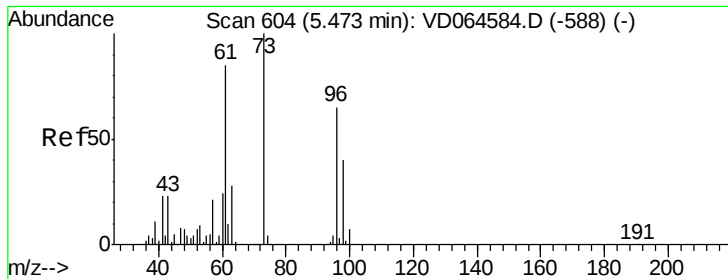
apatel
12/31/2019 11:47:26 AM



#20
Methylene Chloride
Concen: 20.491 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064673.D
Acq: 30 Dec 2019 12:46

Tgt Ion	Ratio	Lower	Upper
84	100		
49	121.7	97.2	145.8
51	34.0	31.4	47.0
86	63.0	49.3	73.9





#21

trans-1,2-Dichloroethene

Concen: 21.007 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064673.D

Acq: 30 Dec 2019 12:46

Instrument :

MSVOA_D

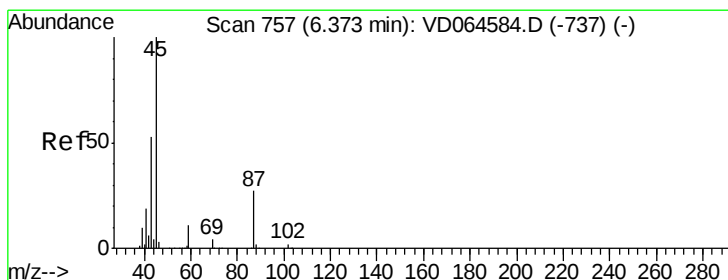
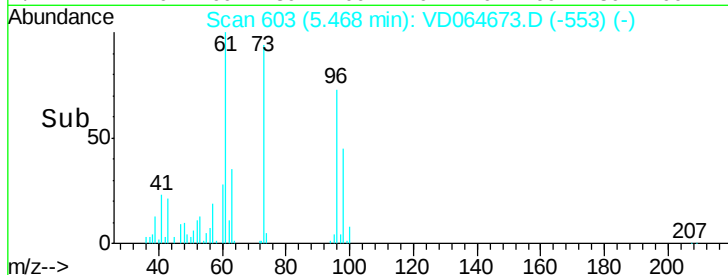
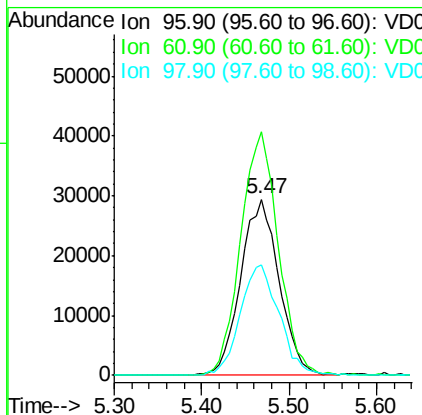
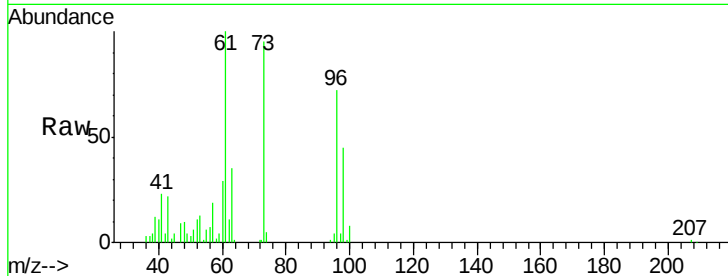
ClientSampleId :

VD1230SBS01

Tot Ion:	96	Resp:	88047
Ion	Ratio	Lower	Upper
96	100		
61	138.2	104.7	157.1
98	62.5	49.4	74.2

Manual Integrations
APPROVED

apatel
12/31/2019 11:47:26 AM



#22

Diisopropyl ether

Concen: 20.831 ug/l

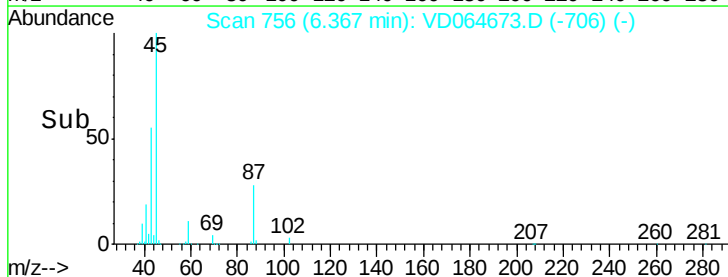
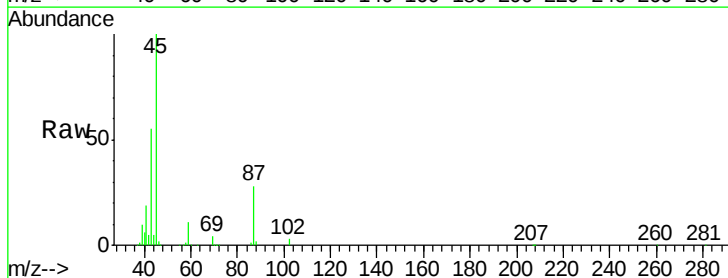
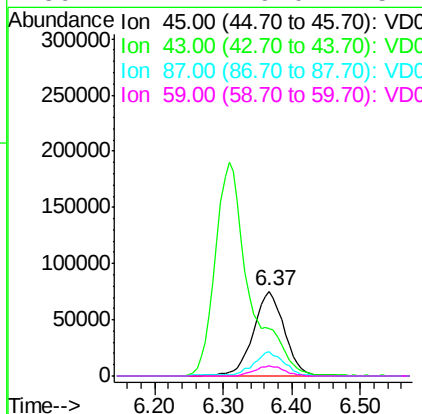
RT: 6.37 min Scan# 756

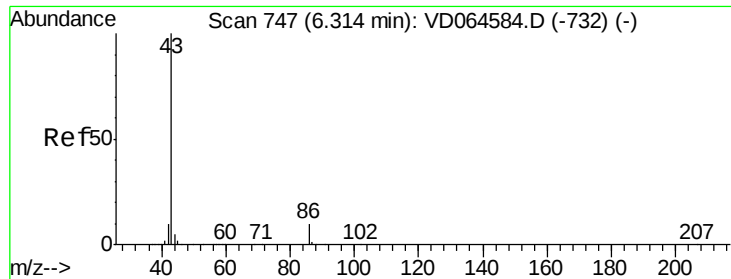
Delta R.T. -0.01 min

Lab File: VD064673.D

Acq: 30 Dec 2019 12:46

Tgt Ion:	45	Resp:	238413
Ion	Ratio	Lower	Upper
45	100		
43	54.3	43.2	64.8
87	28.1	21.9	32.9
59	11.4	9.0	13.4





#23

Vinyl Acetate

Concen: 100.967 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064673.D

Acq: 30 Dec 2019 12:46

Instrument :

MSVOA_D

ClientSampleId :

VD1230SBS01

Tot Ion: 43 Resp: 655523

Ion Ratio Lower Upper

43 100

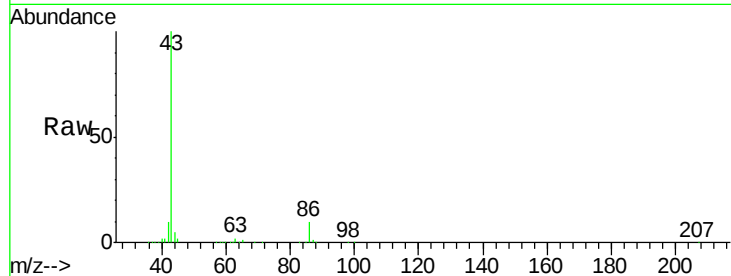
86 10.4 8.3 12.5

Manual Integrations

APPROVED

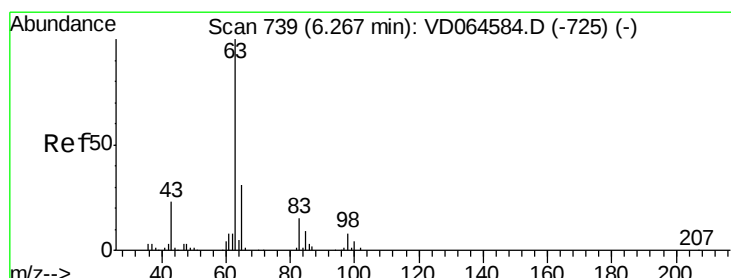
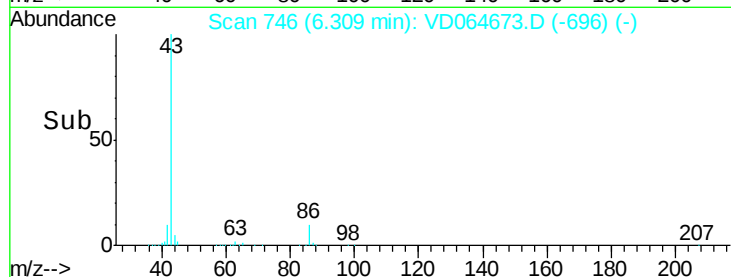
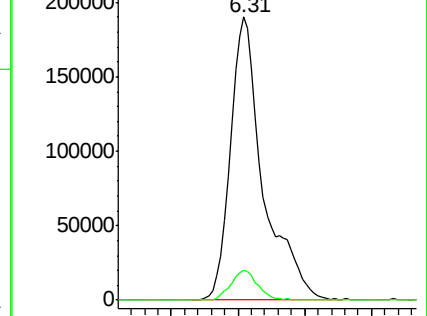
apatel

12/31/2019 11:47:26 AM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.161 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064673.D

Acq: 30 Dec 2019 12:46

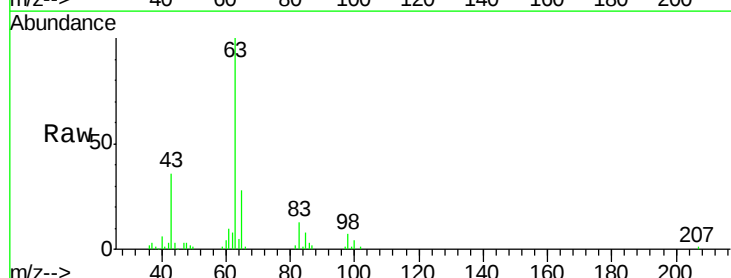
Tgt Ion: 63 Resp: 145395

Ion Ratio Lower Upper

63 100

98 7.3 4.1 12.3

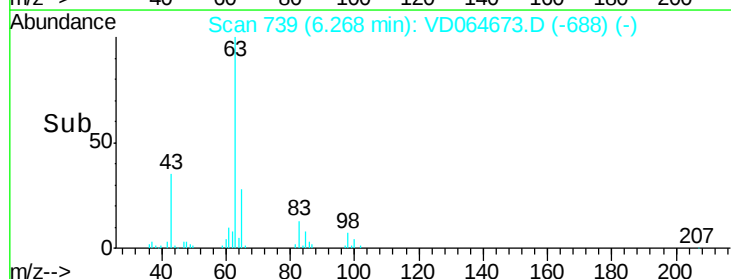
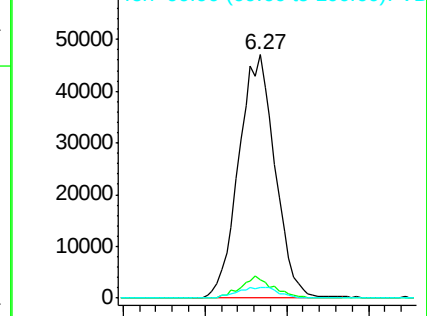
100 4.3 2.2 6.6

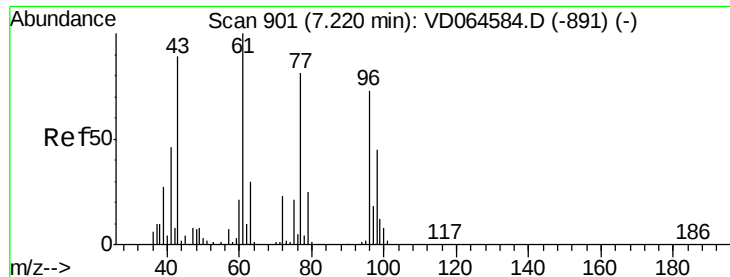


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 101.862 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064673.D

Acq: 30 Dec 2019 12:46

Instrument :

MSVOA_D

ClientSampleId :

VD1230SBS01

Tot Ion: 43 Resp: 103283

Ion Ratio Lower Upper

43 100

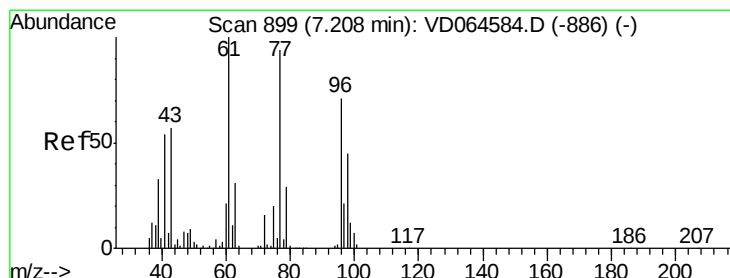
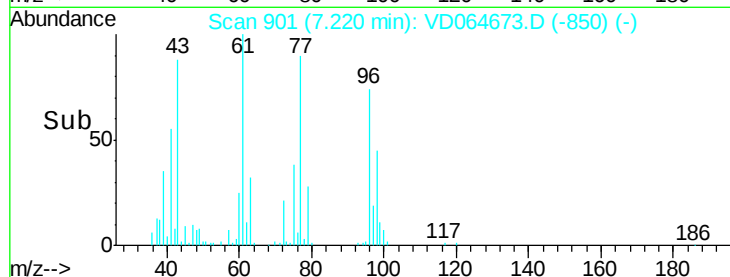
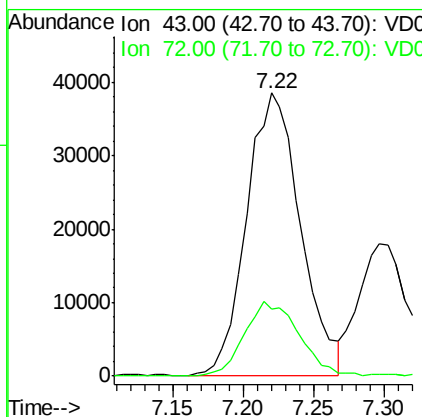
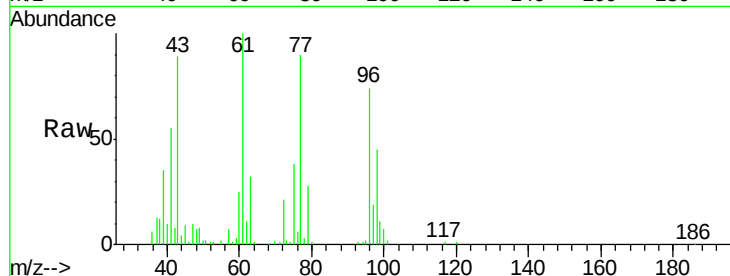
72 23.6 20.7 31.1

Manual Integrations

APPROVED

apatel

12/31/2019 11:47:26 AM



#26

2,2-Dichloropropane

Concen: 21.269 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064673.D

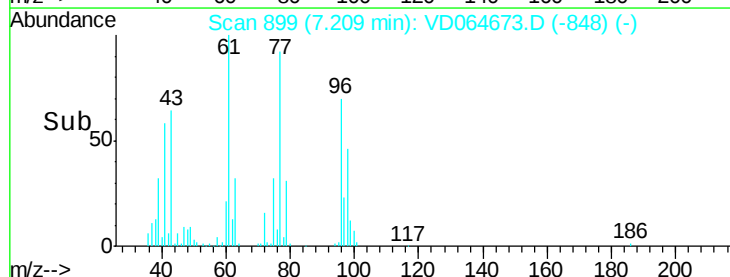
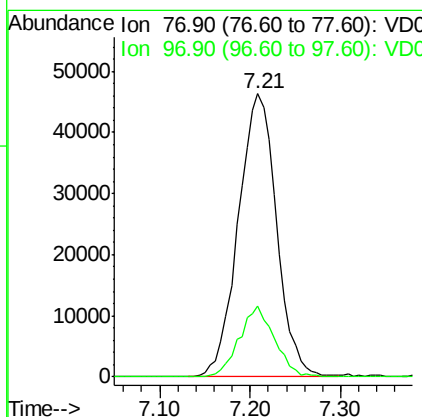
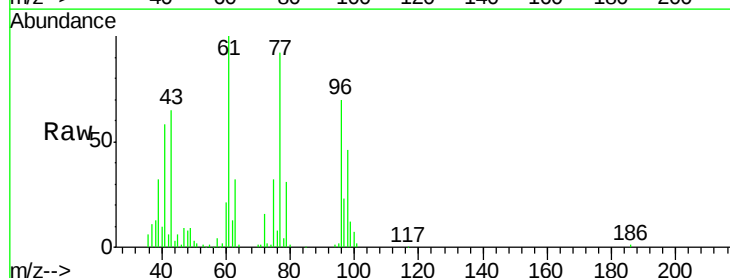
Acq: 30 Dec 2019 12:46

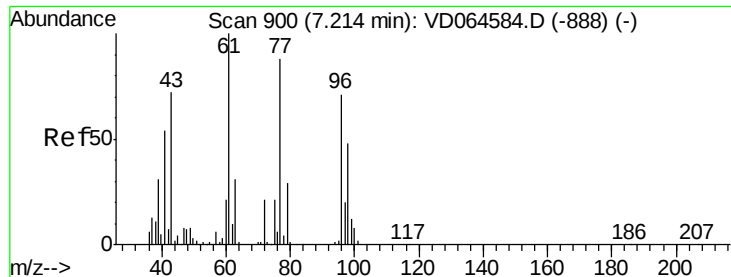
Tgt Ion: 77 Resp: 135871

Ion Ratio Lower Upper

77 100

97 22.9 11.2 33.6





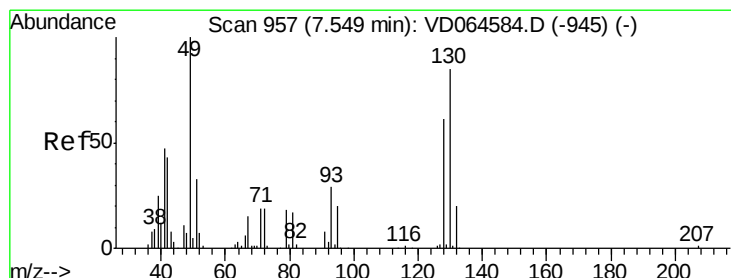
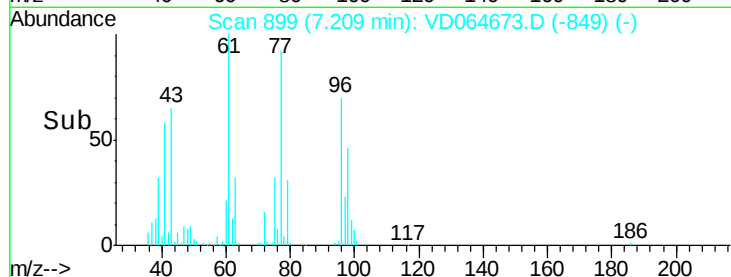
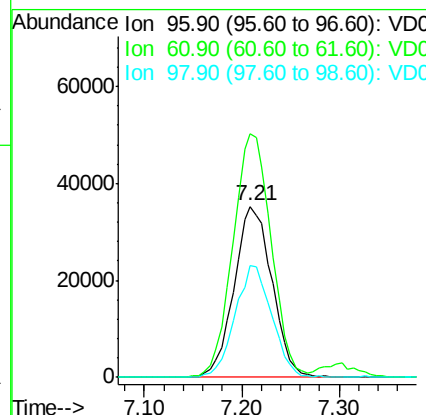
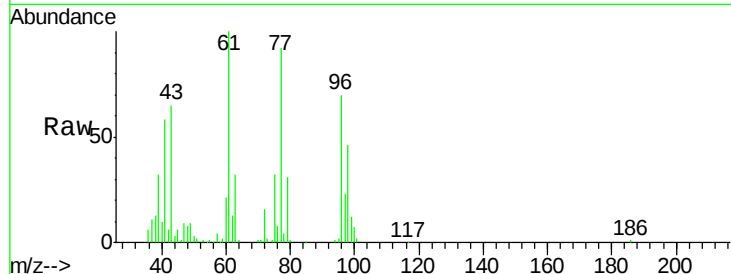
#27
 cis-1,2-Dichloroethene
 Concen: 20.958 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD064673.D
 Acq: 30 Dec 2019 12:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1230SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	143.9	0.0	282.6	
98	63.6	0.0	130.8	

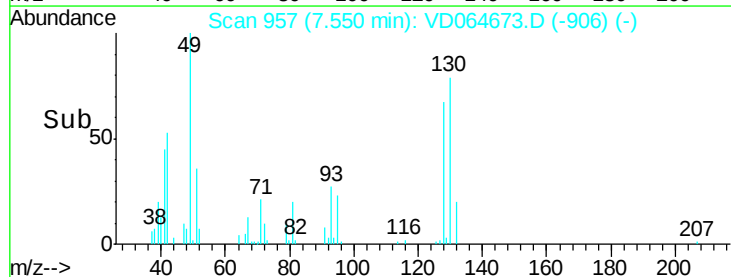
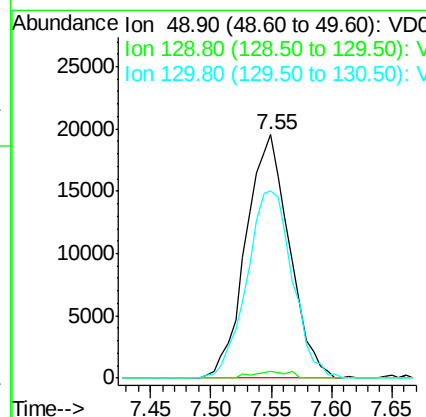
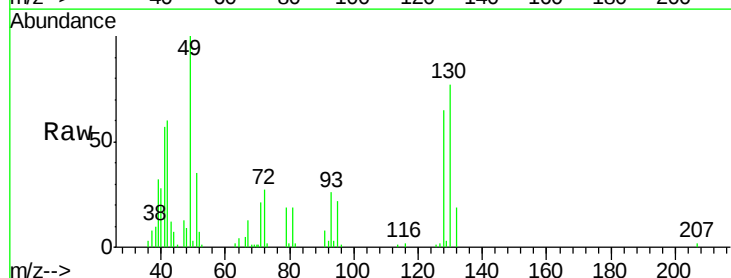
Manual Integrations
 APPROVED

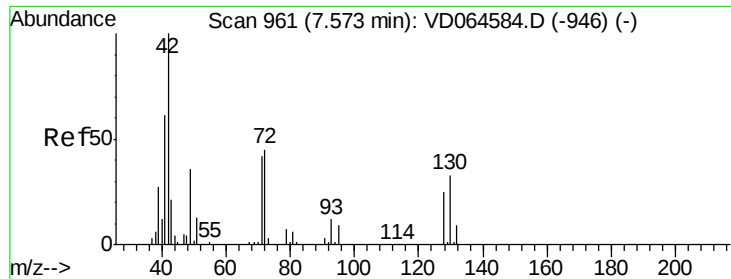
apatel
 12/31/2019 11:47:26 AM



#28
 Bromochloromethane
 Concen: 18.234 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD064673.D
 Acq: 30 Dec 2019 12:46

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.3	0.0	4.8	
130	80.8	65.0	97.6	





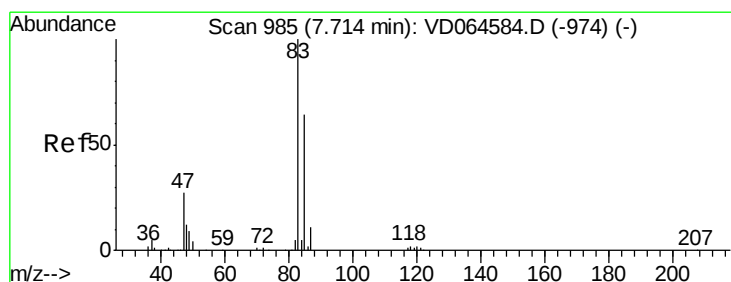
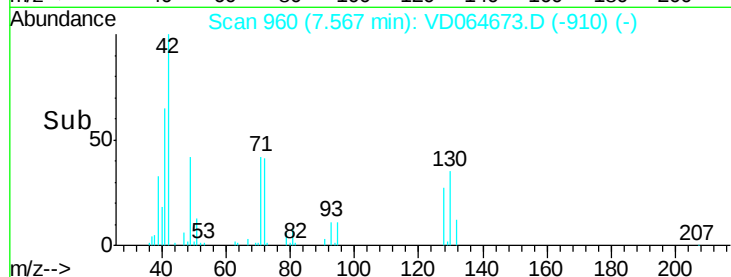
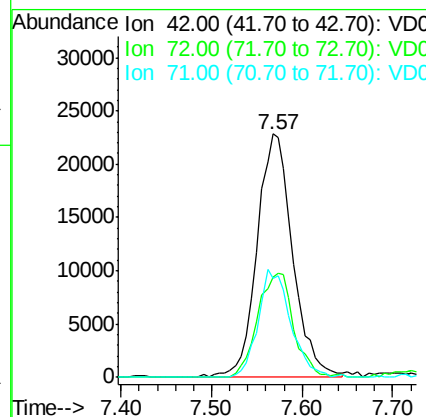
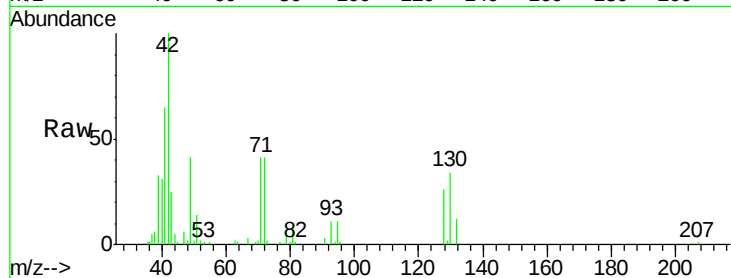
#29
Tetrahydrofuran
Concen: 98.835 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD064673.D
Acq: 30 Dec 2019 12:46

Instrument :
MSVOA_D
ClientSampleId :
VD1230SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.4	35.0	52.4
71	40.2	32.9	49.3

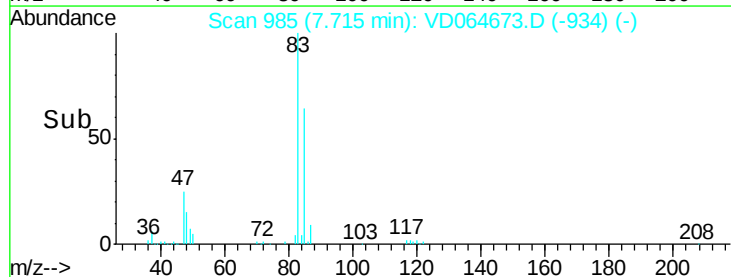
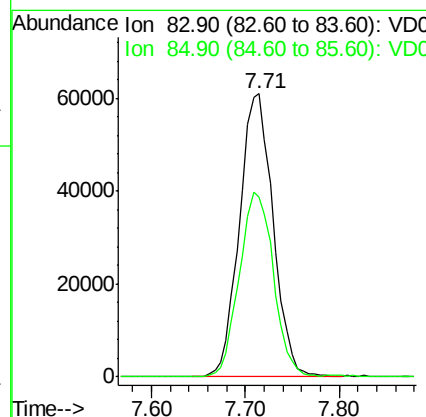
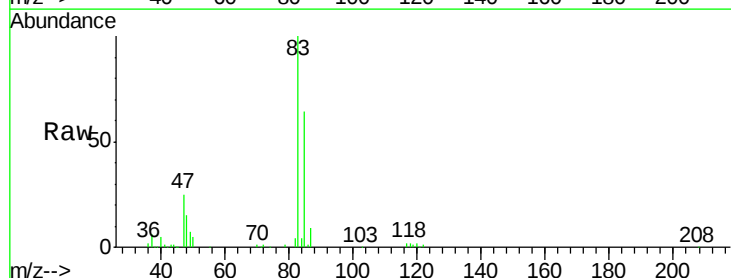
Manual Integrations
APPROVED

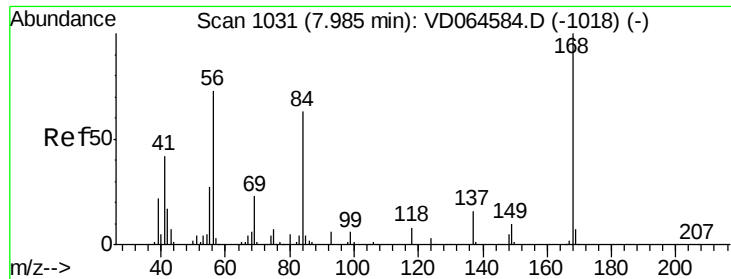
apatel
12/31/2019 11:47:26 AM



#30
Chloroform
Concen: 21.042 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064673.D
Acq: 30 Dec 2019 12:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.1	76.7





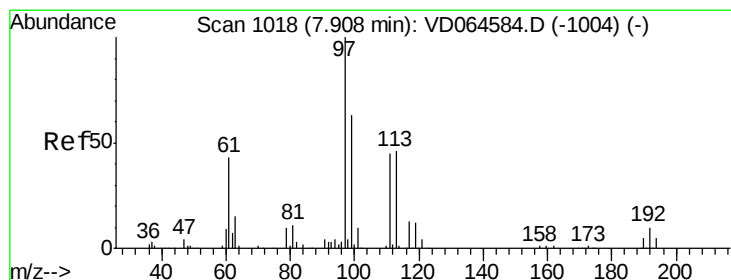
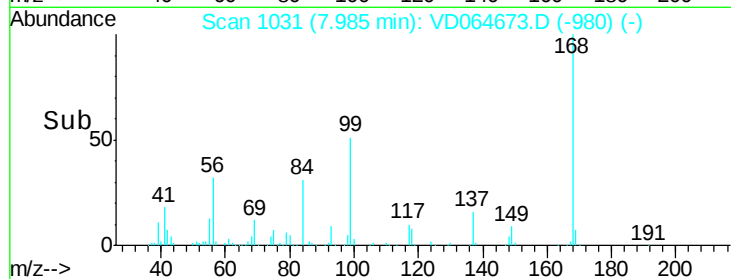
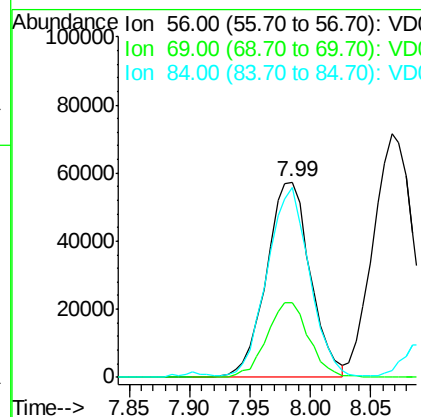
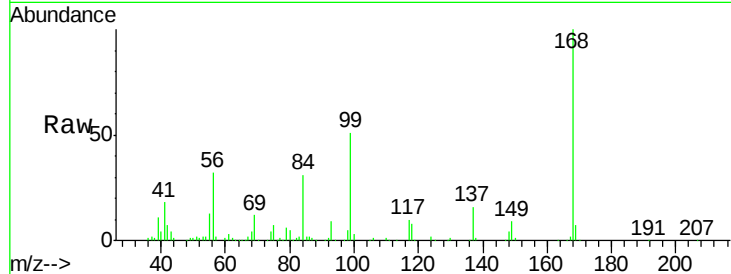
#31
Cvclohexane
Concen: 20.971 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064673.D
Acq: 30 Dec 2019 12:46

Instrument :
MSVOA_D
ClientSampleId :
VD1230SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
56	100		144236		
69	37.5	24.7		37.1#	
84	94.3	69.4		104.2	

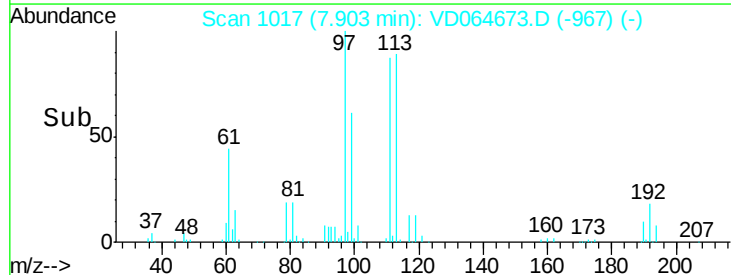
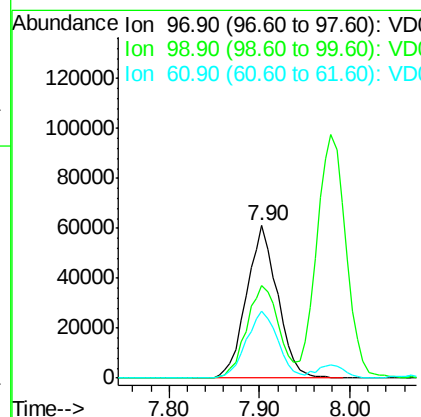
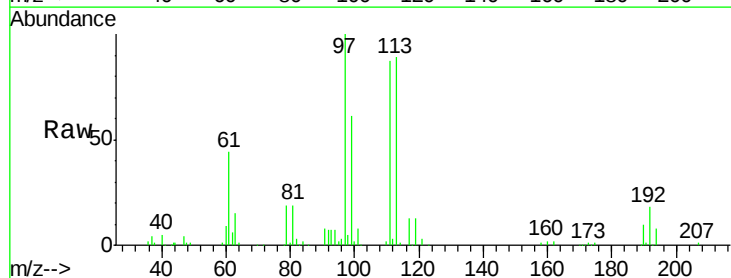
Manual Integrations
APPROVED

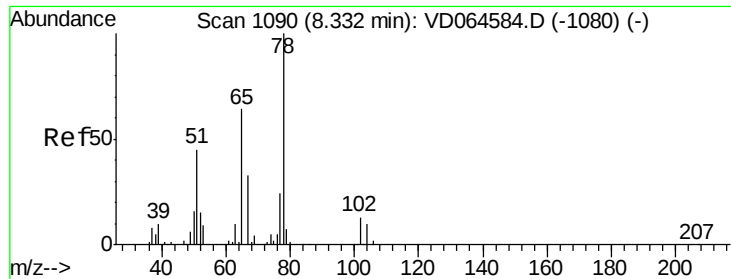
apatel
12/31/2019 11:47:26 AM



#32
1,1,1-Trichloroethane
Concen: 21.430 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064673.D
Acq: 30 Dec 2019 12:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
97	100		145099		
99	62.9	51.0		76.6	
61	44.6	35.4		53.0	





#33

1,2-Dichloroethane-d4

Concen: 48.732 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD064673.D

Acq: 30 Dec 2019 12:46

Instrument :

MSVOA_D

ClientSampleId :

VD1230SBS01

Tot Ion: 65 Resp: 179761

Ion Ratio Lower Upper

65 100

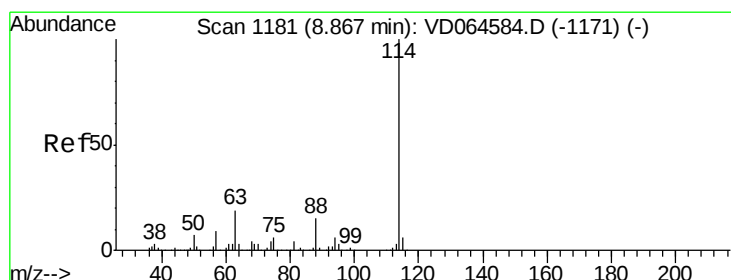
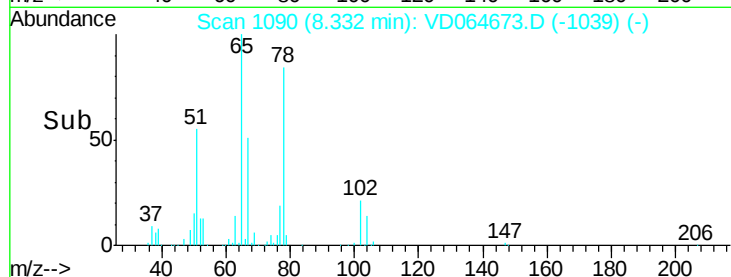
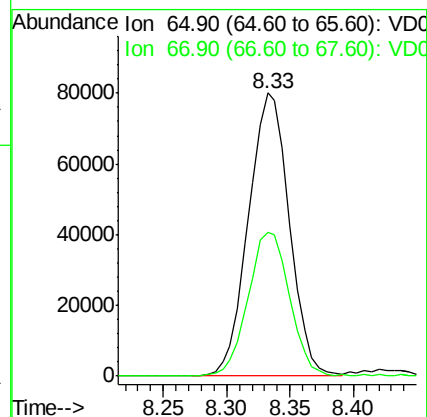
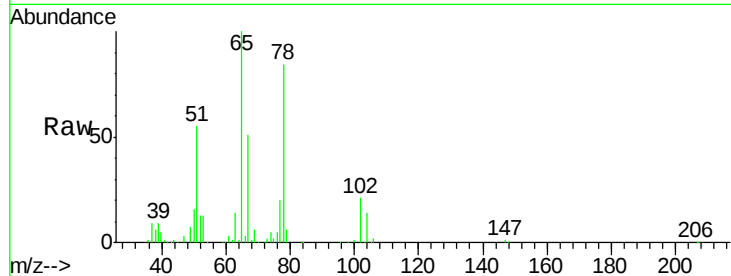
67 51.9 0.0 106.2

Manual Integrations

APPROVED

apatel

12/31/2019 11:47:26 AM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064673.D

Acq: 30 Dec 2019 12:46

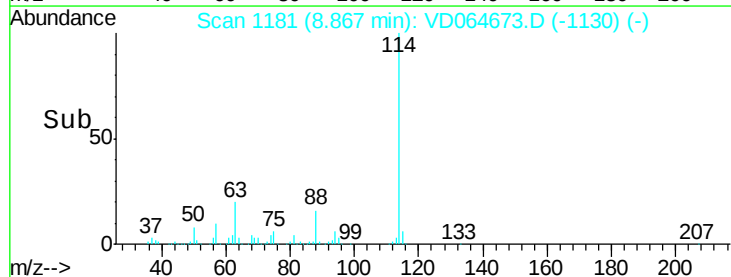
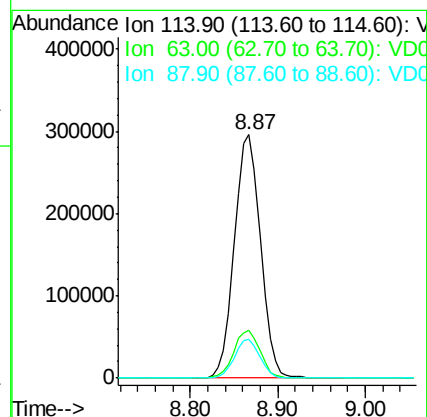
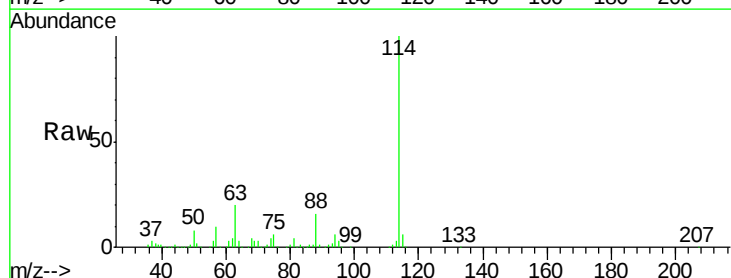
Tgt Ion: 114 Resp: 600612

Ion Ratio Lower Upper

114 100

63 19.7 0.0 38.0

88 15.8 0.0 29.2





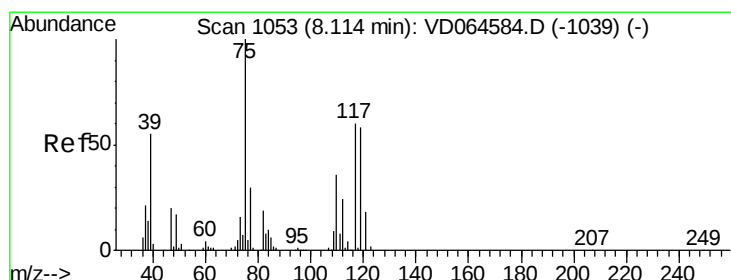
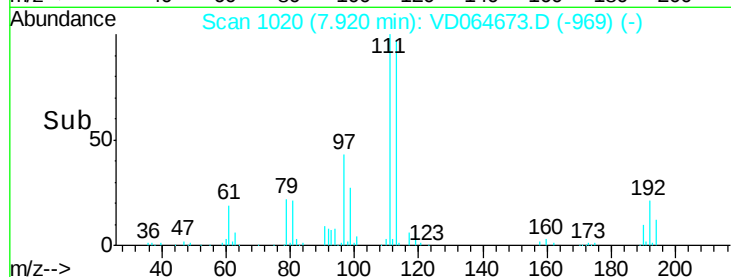
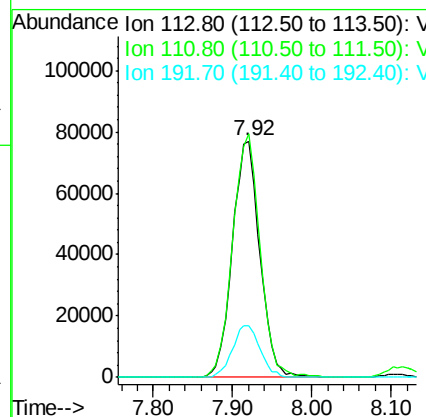
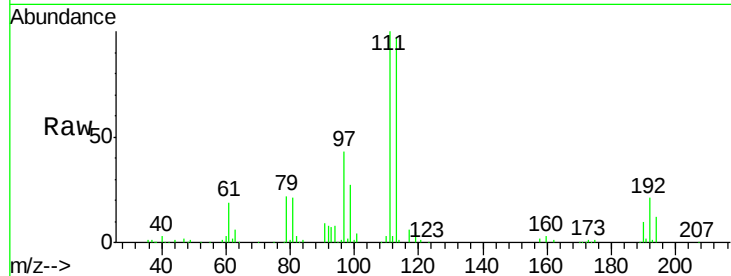
#35
 Dibromofluoromethane
 Concen: 49.958 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064673.D
 Acq: 30 Dec 2019 12:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1230SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	184087		
111	103.0	80.6	121.0	
192	22.1	17.9	26.9	

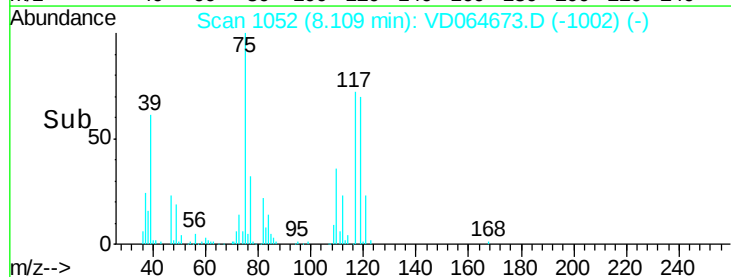
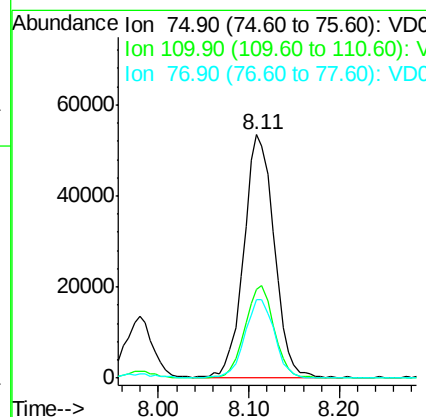
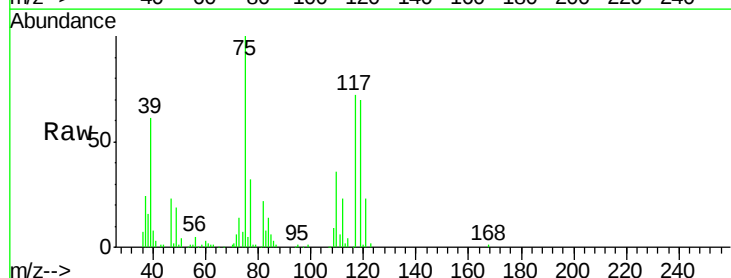
Manual Integrations
 APPROVED

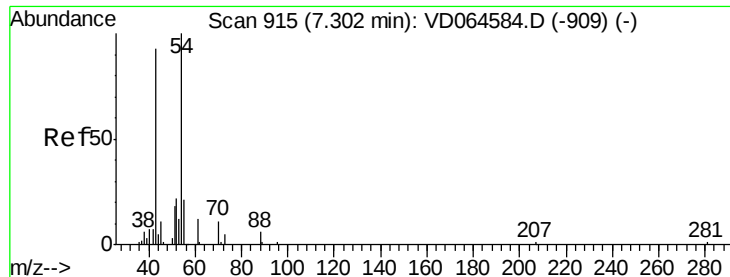
apatel
 12/31/2019 11:47:26 AM



#36
 1,1-Dichloropropene
 Concen: 21.436 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD064673.D
 Acq: 30 Dec 2019 12:46

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	123916		
110	36.5	18.1	54.1	
77	31.8	24.2	36.4	





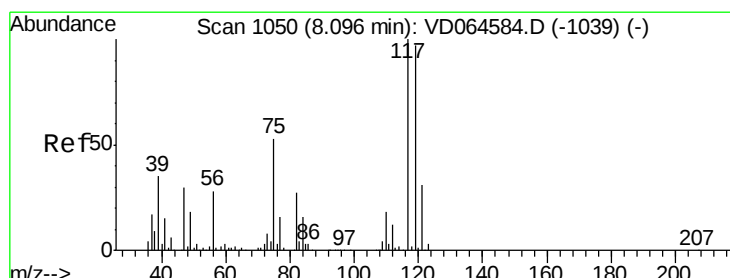
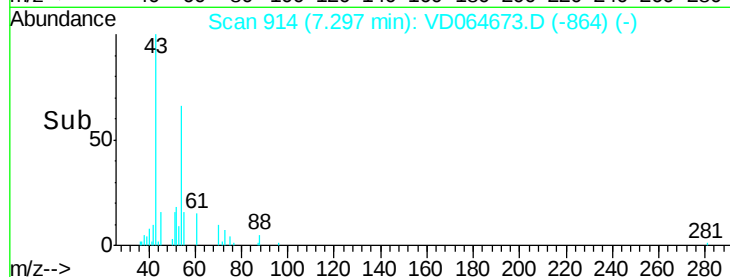
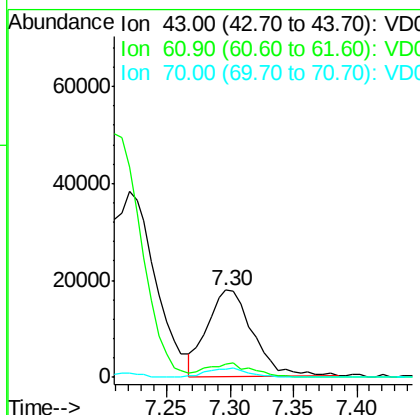
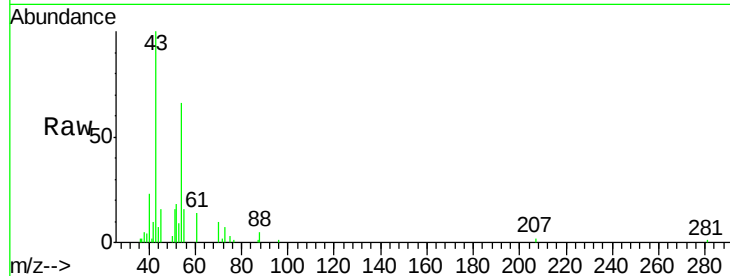
#37
Ethyl Acetate
Concen: 19.631 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD064673.D
Acq: 30 Dec 2019 12:46

Instrument :
MSVOA_D
ClientSampleId :
VD1230SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.2	10.3	15.5#
70	9.5	7.6	11.4

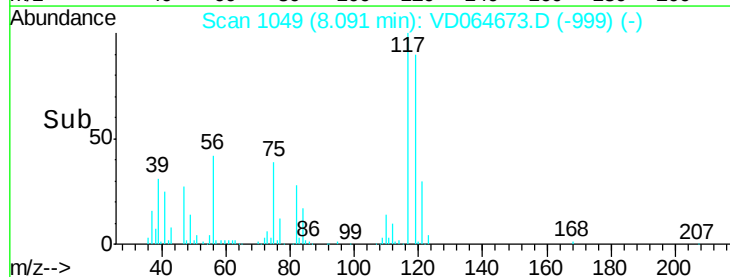
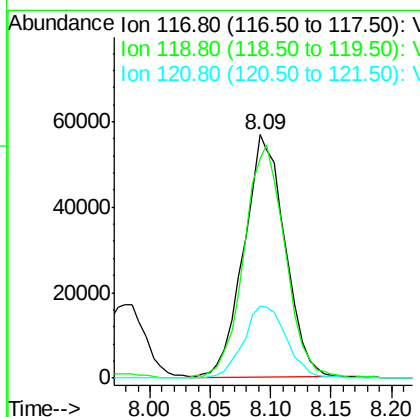
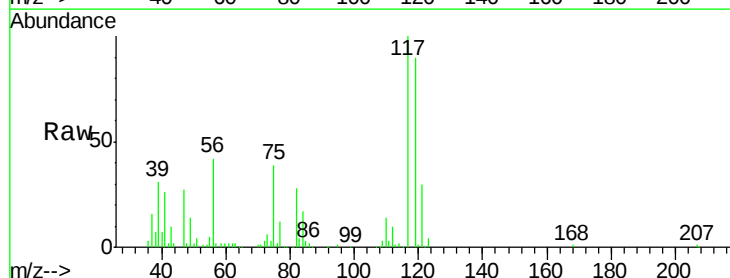
Manual Integrations
APPROVED

apatel
12/31/2019 11:47:26 AM



#38
Carbon Tetrachloride
Concen: 21.810 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD064673.D
Acq: 30 Dec 2019 12:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.3	77.3	115.9
121	29.8	25.0	37.6





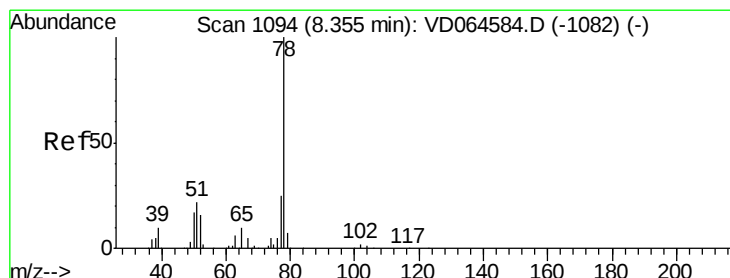
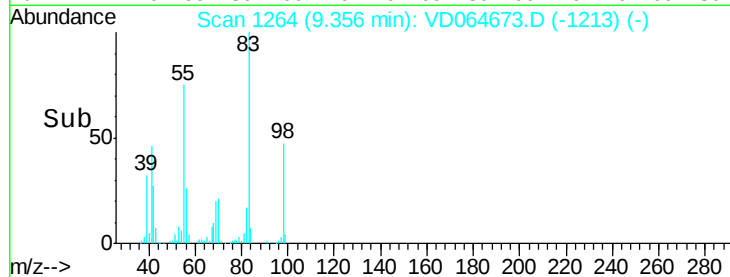
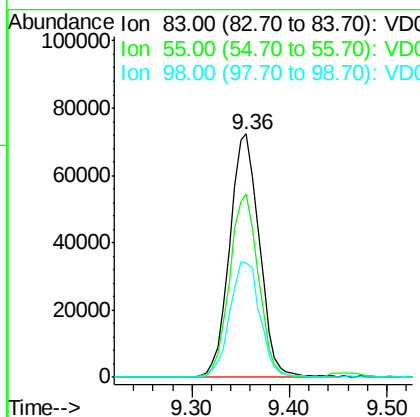
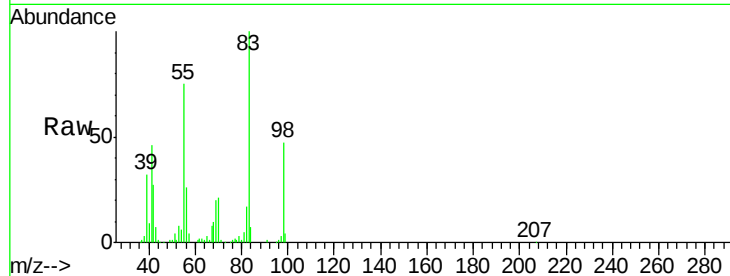
#39
Methvlcvclohexane
Concen: 21.849 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064673.D
Acq: 30 Dec 2019 12:46

Instrument :
MSVOA_D
ClientSampleId :
VD1230SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.3	57.8	86.6
98	47.0	38.7	58.1

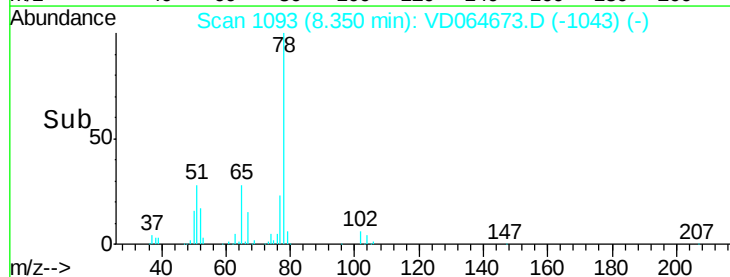
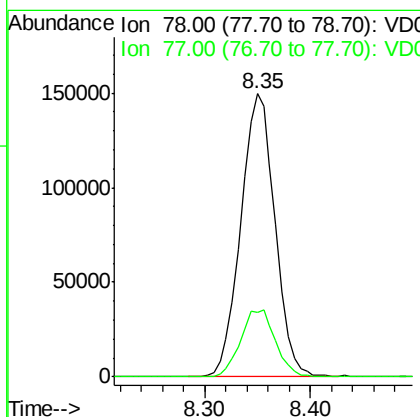
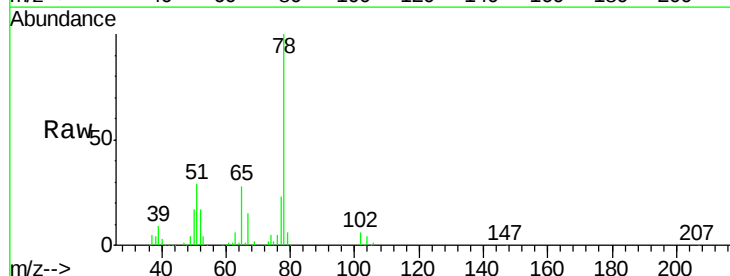
Manual Integrations
APPROVED

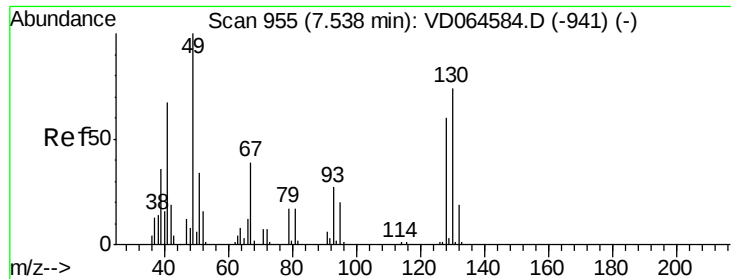
apatel
12/31/2019 11:47:26 AM



#40
Benzene
Concen: 21.301 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD064673.D
Acq: 30 Dec 2019 12:46

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	19.9	29.9





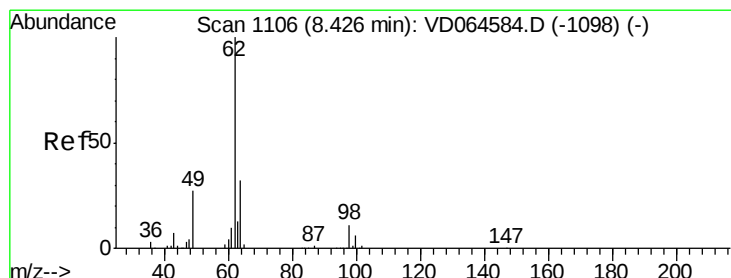
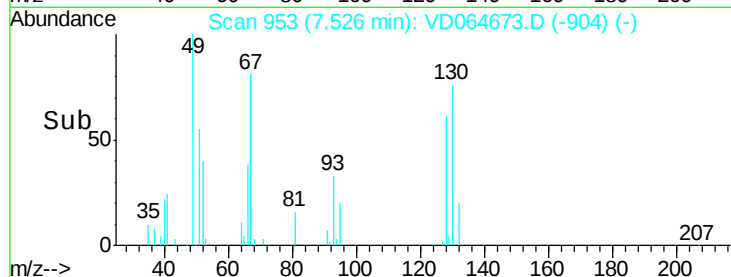
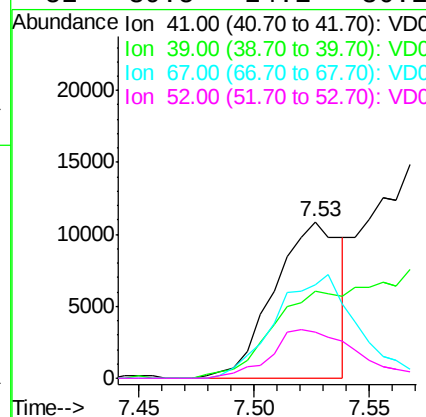
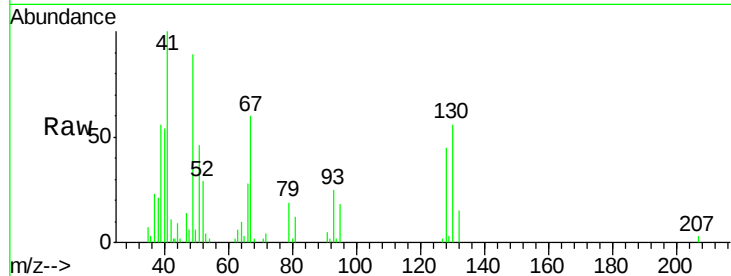
#41
Methacrylonitrile
Concen: 16.734 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD064673.D
Acq: 30 Dec 2019 12:46

Instrument :
MSVOA_D
ClientSampleId :
VD1230SBS01

Tot Ion: 41 Resp: 22049
Ion Ratio Lower Upper
41 100
39 0.0 46.7 70.1#
67 81.2 52.5 78.7#
52 39.5 24.1 36.1#

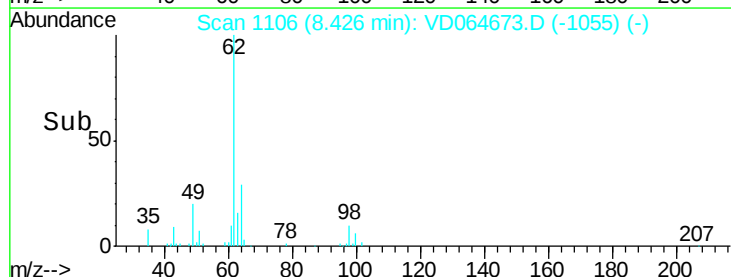
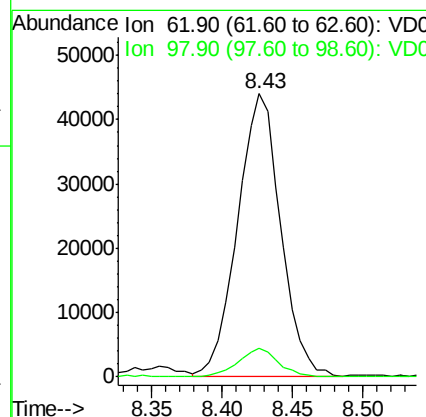
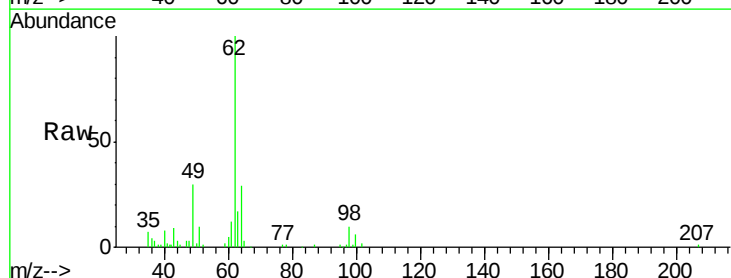
Manual Integrations
APPROVED

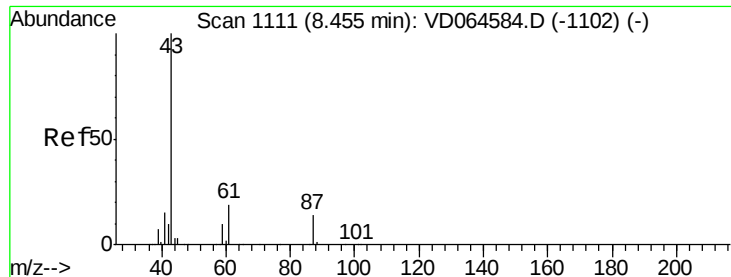
apatel
12/31/2019 11:47:26 AM



#42
1,2-Dichloroethane
Concen: 20.478 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD064673.D
Acq: 30 Dec 2019 12:46

Tgt Ion: 62 Resp: 93389
Ion Ratio Lower Upper
62 100
98 9.4 0.0 20.0





#43

Isopropyl Acetate

Concen: 19.448 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD064673.D

Acq: 30 Dec 2019 12:46

Instrument :

MSVOA_D

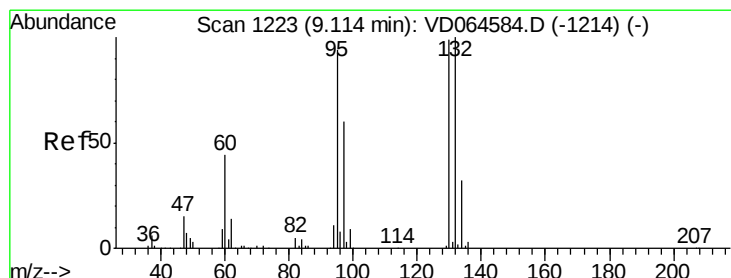
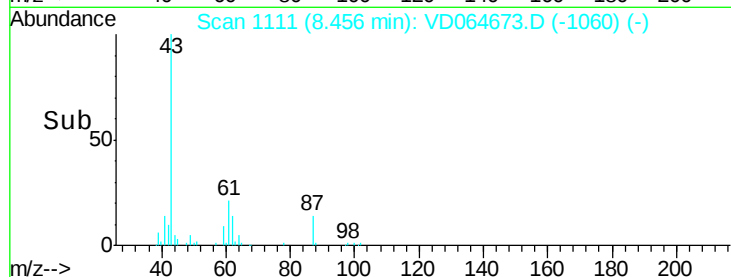
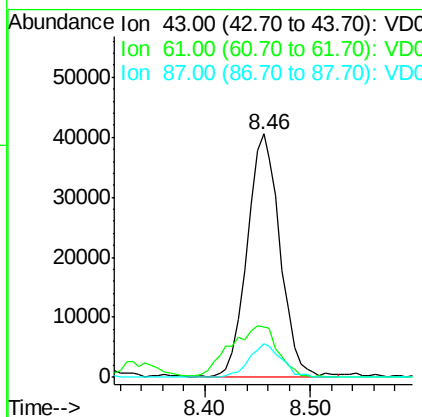
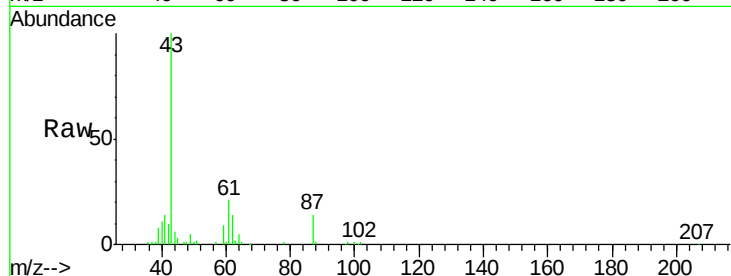
ClientSampleId :

VD1230SBS01

Tot Ion:	43	Resp:	87909
Ion	Ratio	Lower	Upper
43	100		
61	30.6	23.7	35.5
87	13.4	10.5	15.7

Manual Integrations
APPROVED

apatel
12/31/2019 11:47:26 AM



#44

Trichloroethene

Concen: 21.401 ug/l

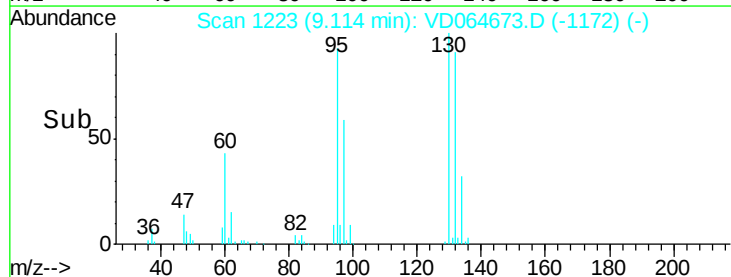
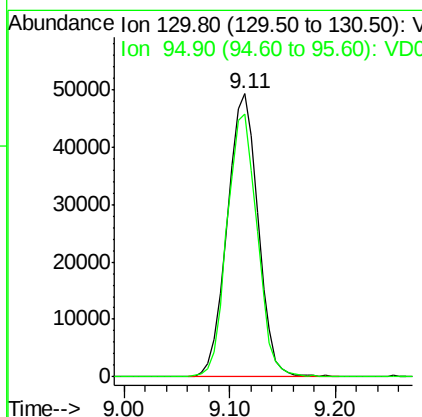
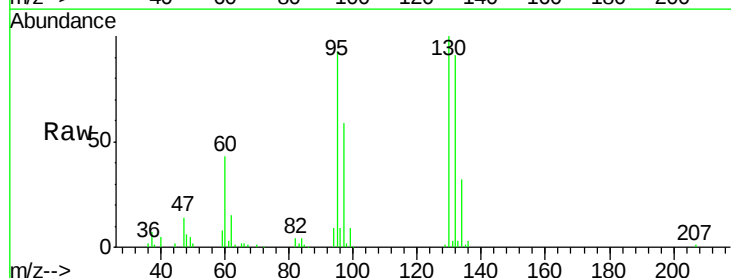
RT: 9.11 min Scan# 1223

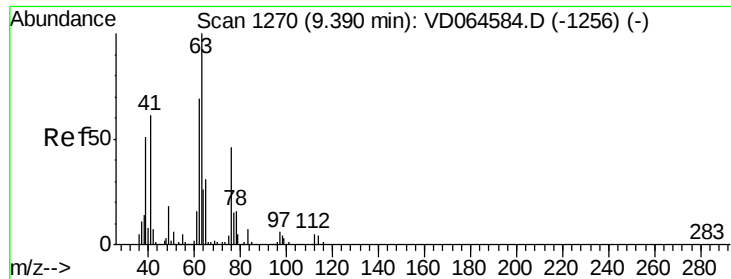
Delta R.T. 0.00 min

Lab File: VD064673.D

Acq: 30 Dec 2019 12:46

Tgt Ion:	130	Resp:	99214
Ion	Ratio	Lower	Upper
130	100		
95	93.0	0.0	190.2





#45

1,2-Dichloropropane

Concen: 21.340 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064673.D

Acq: 30 Dec 2019 12:46

Tot Ion: 63 Resp: 80408

Ion Ratio Lower Upper

63 100

65 27.8 25.2 37.8

Instrument :

MSVOA_D

ClientSampleId :

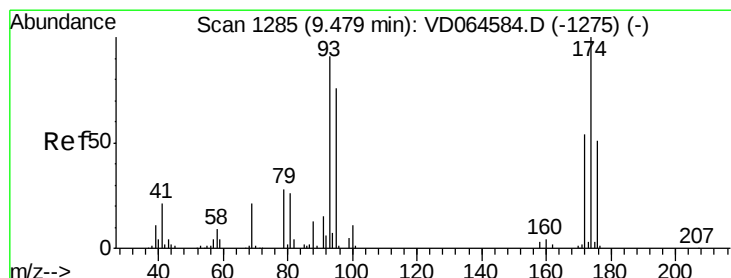
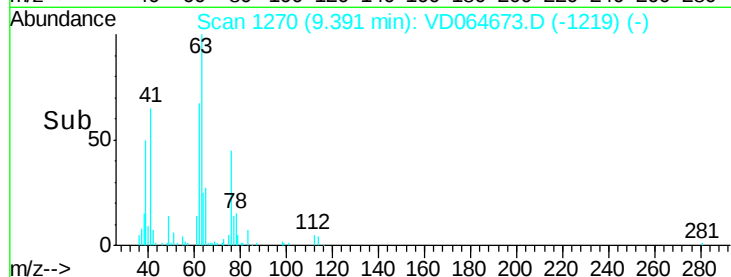
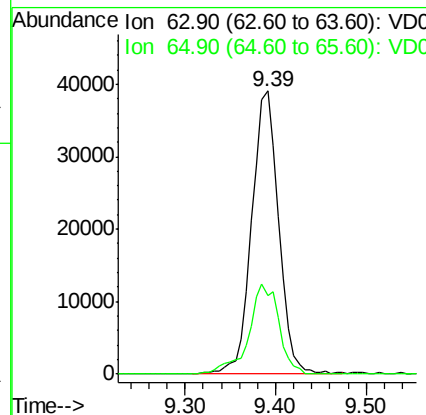
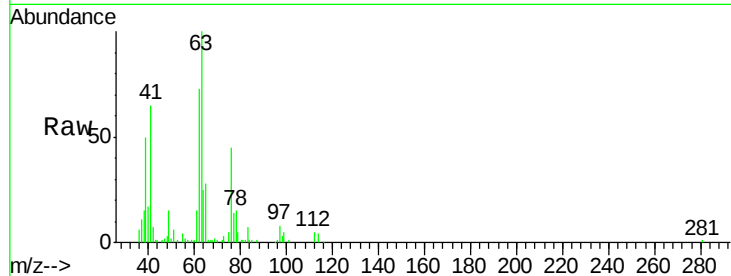
VD1230SBS01

Manual Integrations

APPROVED

apatel

12/31/2019 11:47:26 AM



#46

Dibromomethane

Concen: 20.328 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064673.D

Acq: 30 Dec 2019 12:46

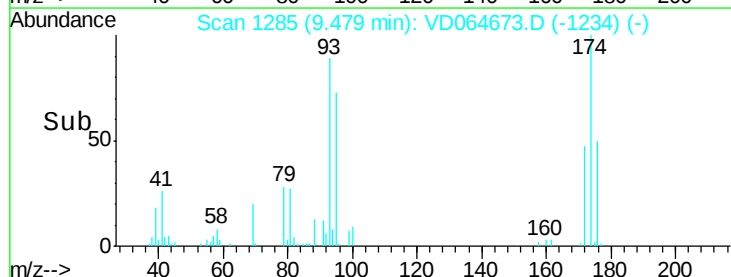
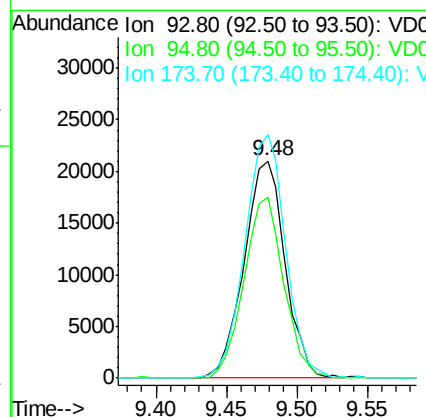
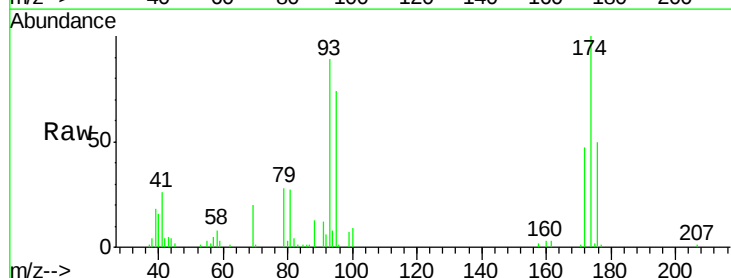
Tgt Ion: 93 Resp: 42705

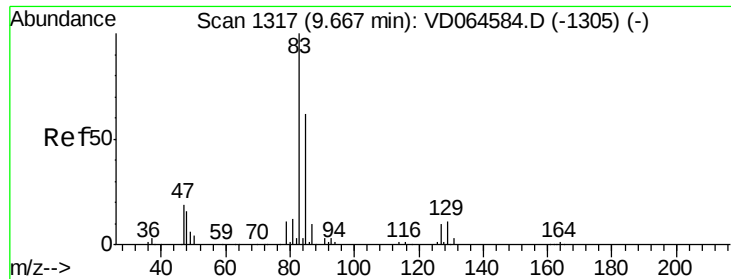
Ion Ratio Lower Upper

93 100

95 80.6 64.6 97.0

174 111.9 88.1 132.1





#47

Bromodichloromethane

Concen: 20.483 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064673.D

Acq: 30 Dec 2019 12:46

Instrument :

MSVOA_D

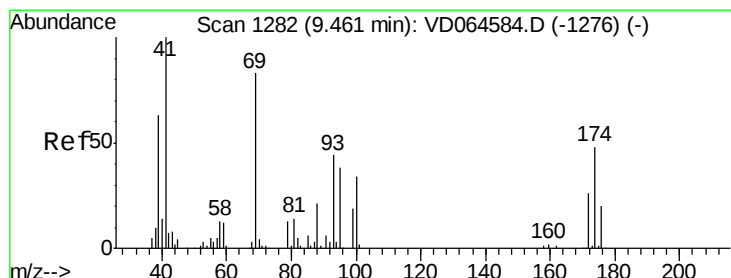
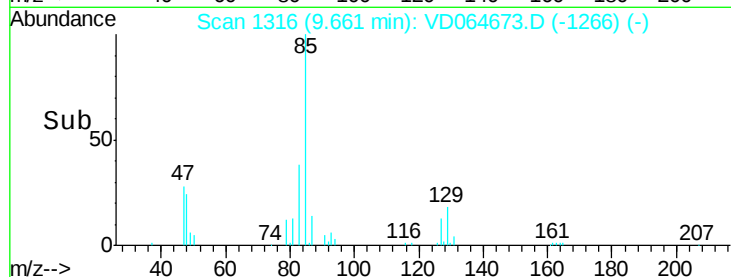
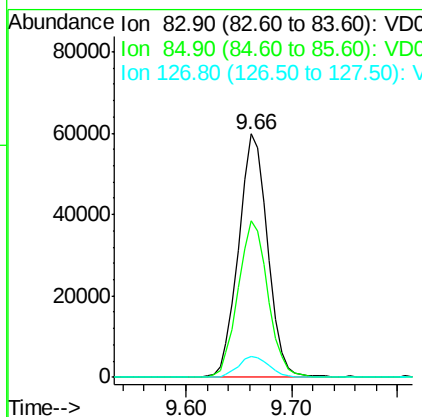
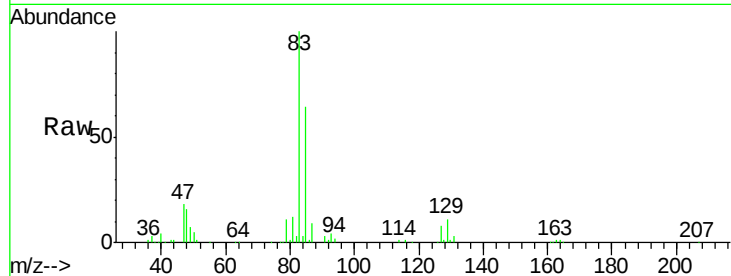
ClientSampleId :

VD1230SBS01

Tot Ion:	83	Resp:	114504
Ion Ratio	Lower	Upper	
83	100		
85	64.3	49.5	74.3
127	8.4	7.8	11.6

Manual Integrations
APPROVED

apatel
12/31/2019 11:47:26 AM



#48

Methyl methacrylate

Concen: 18.902 ug/l

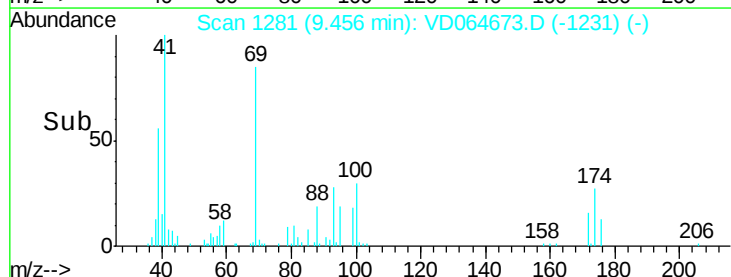
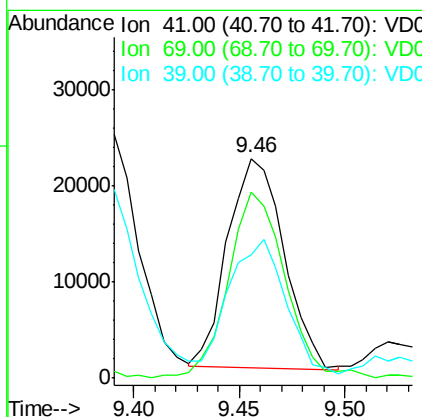
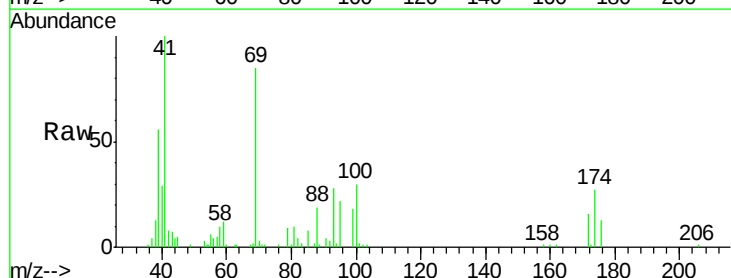
RT: 9.46 min Scan# 1281

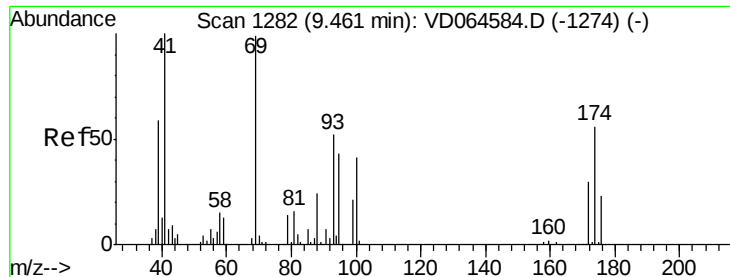
Delta R.T. -0.01 min

Lab File: VD064673.D

Acq: 30 Dec 2019 12:46

Tgt Ion:	41	Resp:	40230
Ion Ratio	Lower	Upper	
41	100		
69	89.8	63.0	94.6
39	64.0	47.4	71.2





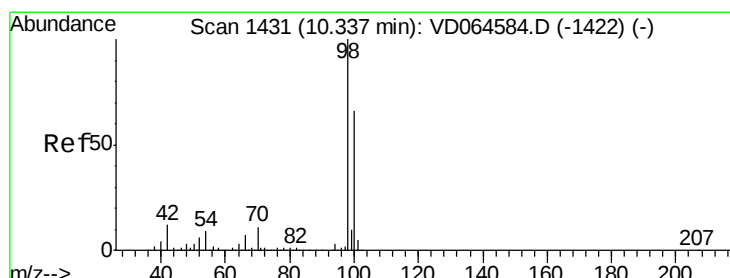
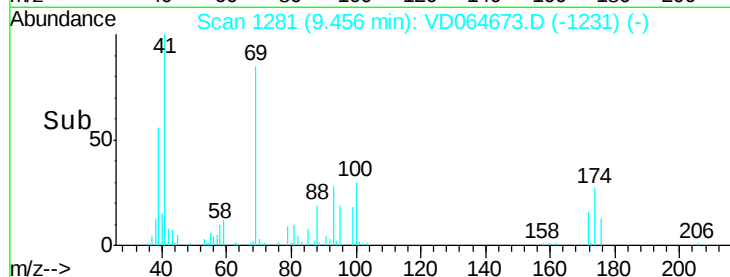
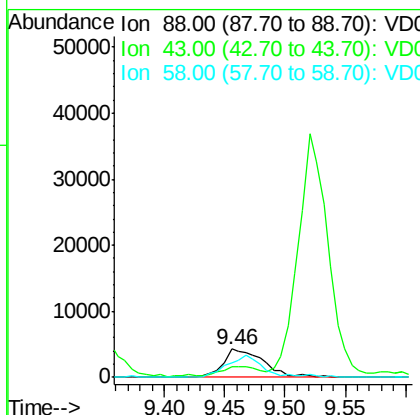
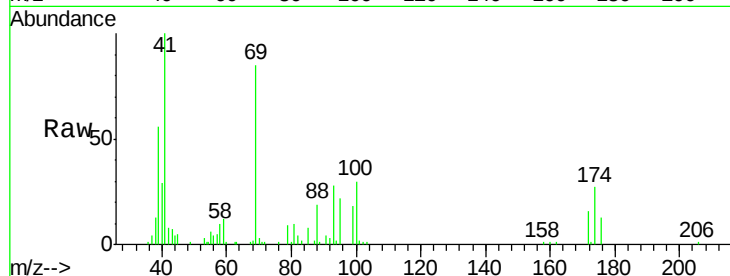
#49
1,4-Dioxane
Concen: 410.597 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD064673.D
Acq: 30 Dec 2019 12:46

Instrument :
MSVOA_D
ClientSampleId :
VD1230SBS01

Tot Ion	88	Resp	9946
Ion	Ratio	Lower	Upper
88	100		
43	35.1	27.7	41.5
58	67.6	53.8	80.6

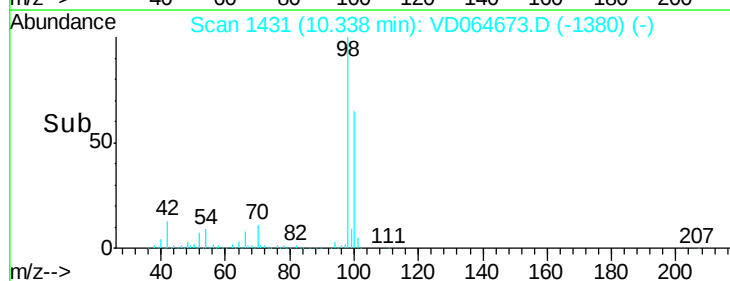
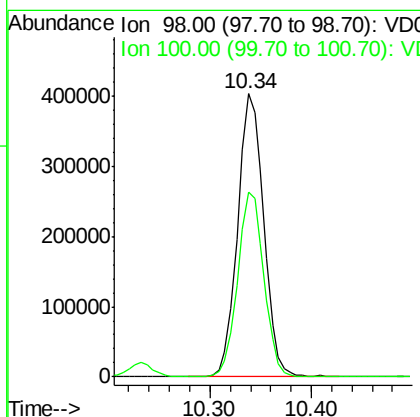
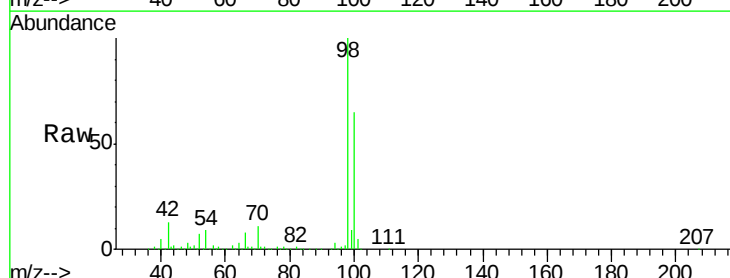
Manual Integrations
APPROVED

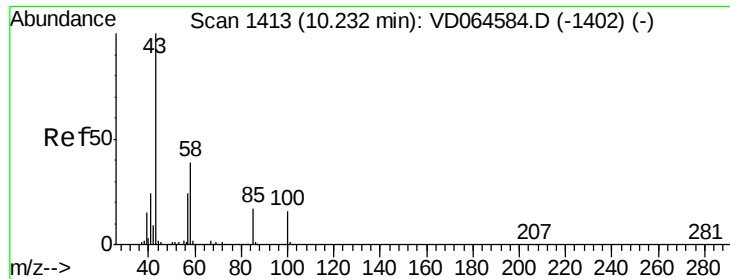
apatel
12/31/2019 11:47:26 AM



#50
Toluene-d8
Concen: 51.021 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD064673.D
Acq: 30 Dec 2019 12:46

Tgt Ion	98	Resp	720046
Ion	Ratio	Lower	Upper
98	100		
100	65.9	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 97.720 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064673.D

Acq: 30 Dec 2019 12:46

Instrument :

MSVOA_D

ClientSampleId :

VD1230SBS01

Tot Ion: 43 Resp: 218333

Ion Ratio Lower Upper

43 100

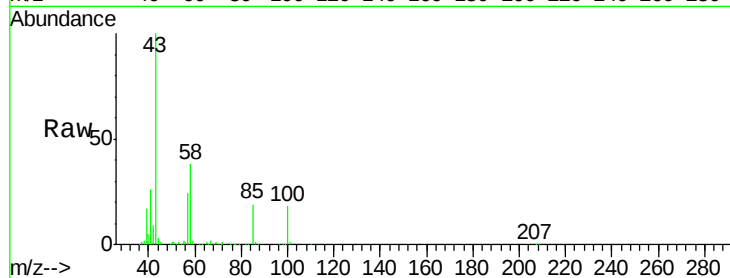
58 36.9 30.2 45.2

Manual Integrations

APPROVED

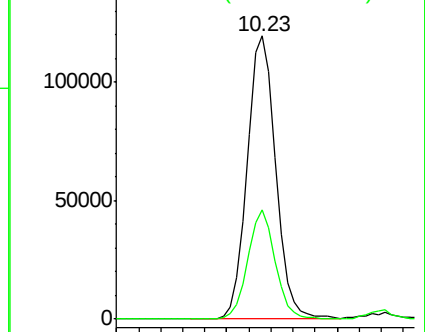
apatel

12/31/2019 11:47:26 AM

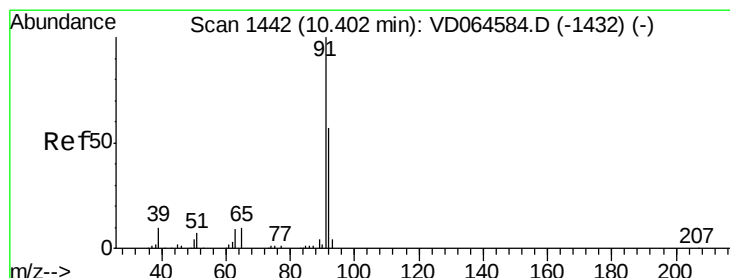
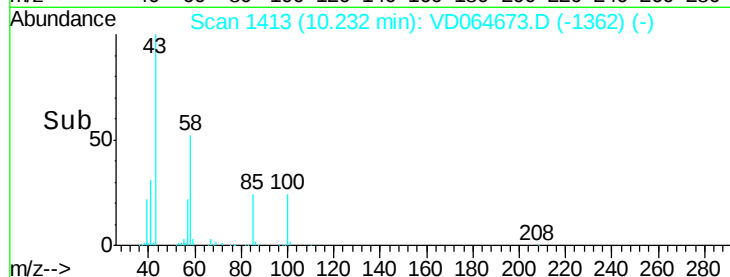


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



Time--> 10.10 10.20 10.30



#52

Toluene

Concen: 20.925 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD064673.D

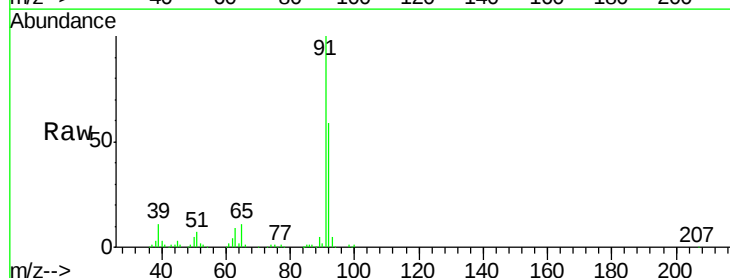
Acq: 30 Dec 2019 12:46

Tgt Ion: 92 Resp: 216653

Ion Ratio Lower Upper

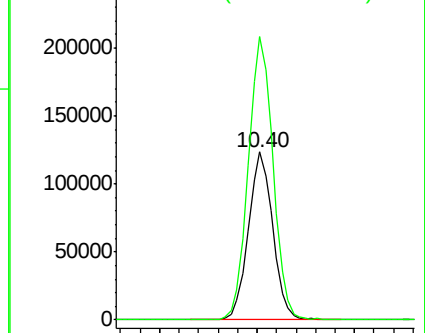
92 100

91 171.5 138.7 208.1

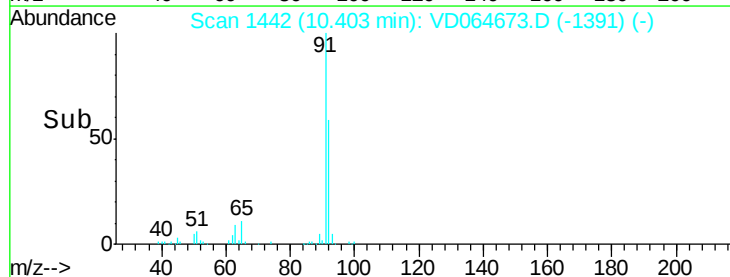


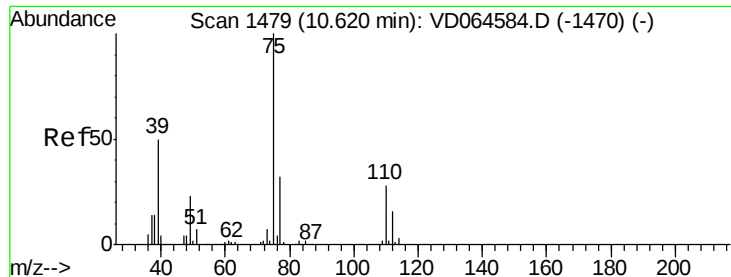
Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



Time--> 10.30 10.40 10.50





#53

t-1,3-Dichloropropene

Concen: 20.596 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. 0.00 min

Lab File: VD064673.D

Acq: 30 Dec 2019 12:46

Instrument :

MSVOA_D

ClientSampleId :

VD1230SBS01

Tot Ion: 75 Resp: 107339

Ion Ratio Lower Upper

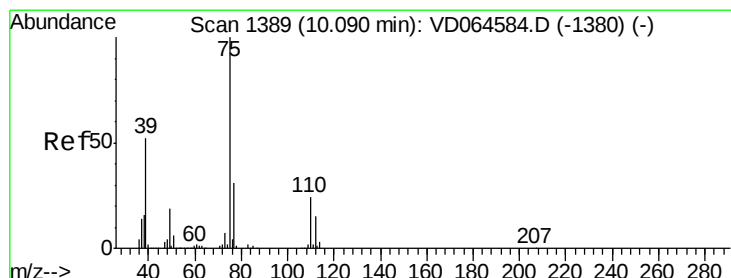
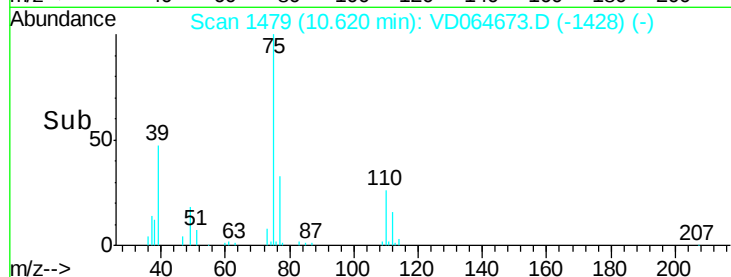
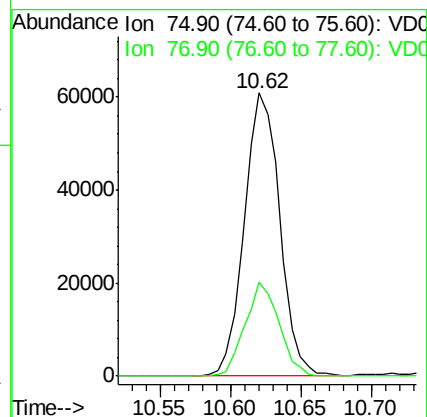
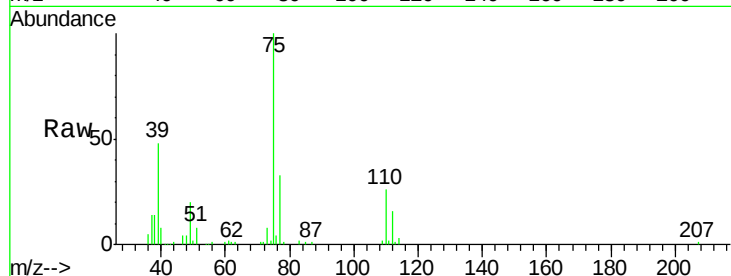
75 100

77 33.1 25.4 38.2

Manual Integrations
APPROVED

apatel

12/31/2019 11:47:26 AM



#54

cis-1,3-Dichloropropene

Concen: 20.902 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD064673.D

Acq: 30 Dec 2019 12:46

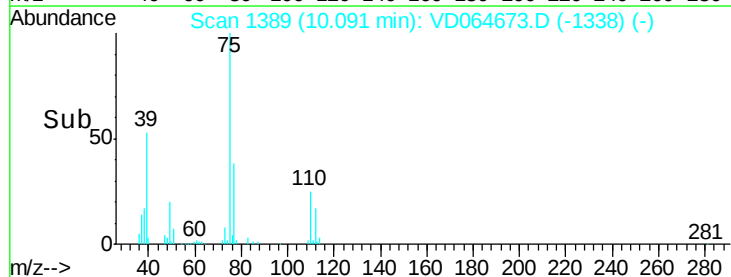
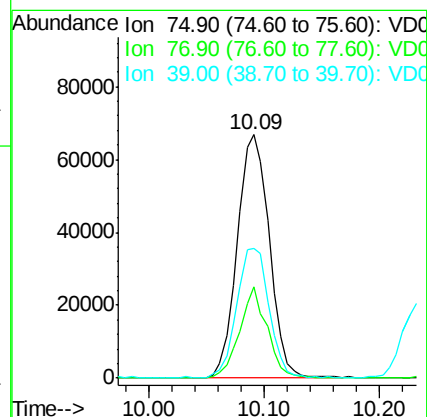
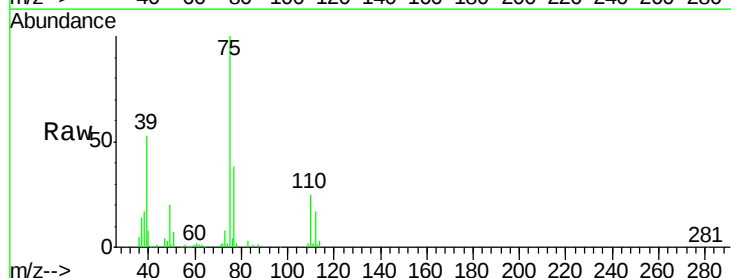
Tgt Ion: 75 Resp: 128452

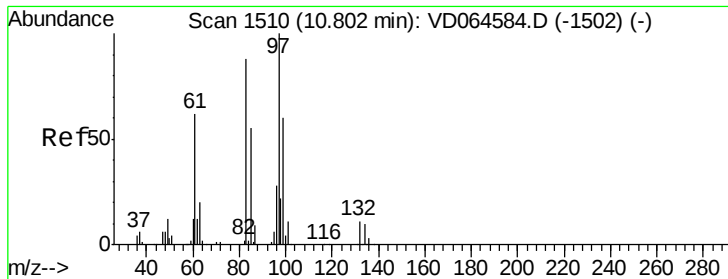
Ion Ratio Lower Upper

75 100

77 37.7 24.6 36.8#

39 53.1 41.4 62.2





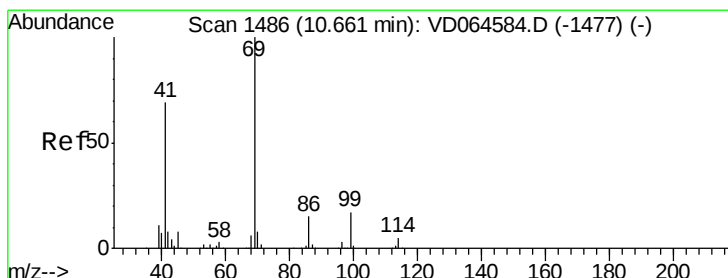
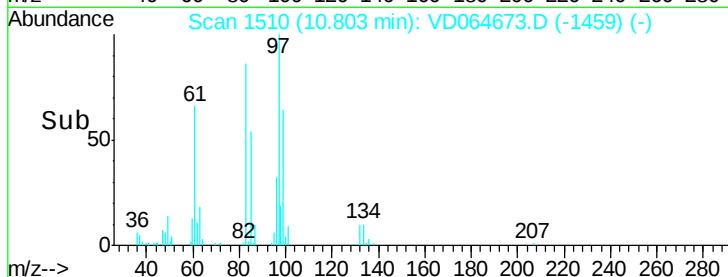
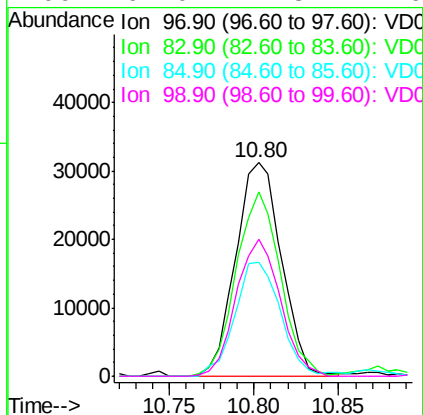
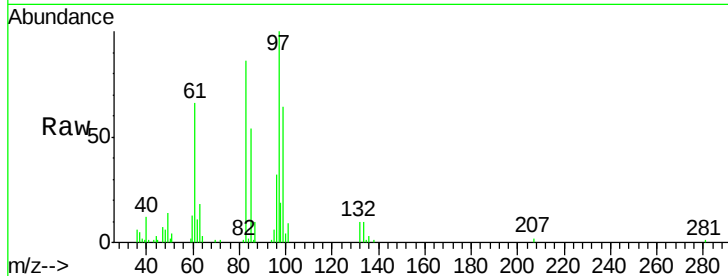
#55
 1,1,2-Trichloroethane
 Concen: 20.740 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064673.D
 Acq: 30 Dec 2019 12:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1230SBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	86.1	70.2	105.4
85	53.6	44.0	66.0
99	64.0	47.8	71.6

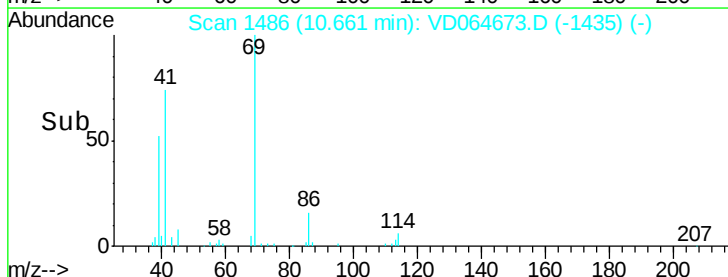
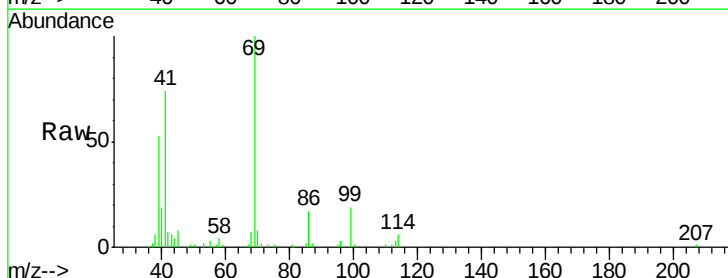
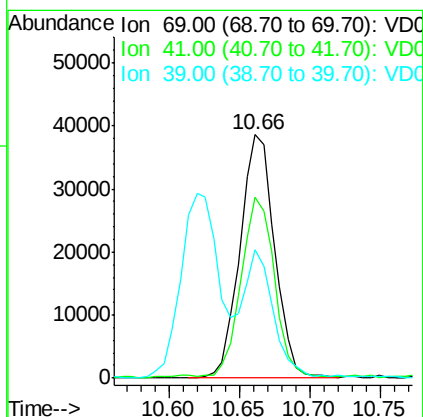
Manual Integrations
 APPROVED

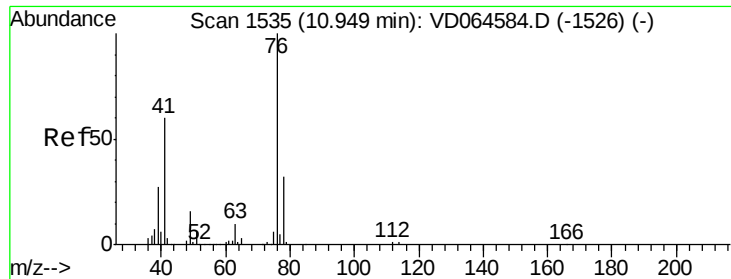
apatel
 12/31/2019 11:47:26 AM



#56
 Ethyl methacrylate
 Concen: 18.778 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD064673.D
 Acq: 30 Dec 2019 12:46

Tgt Ion	Ratio	Lower	Upper
69	100		
41	70.1	55.3	82.9
39	46.7	33.8	50.8





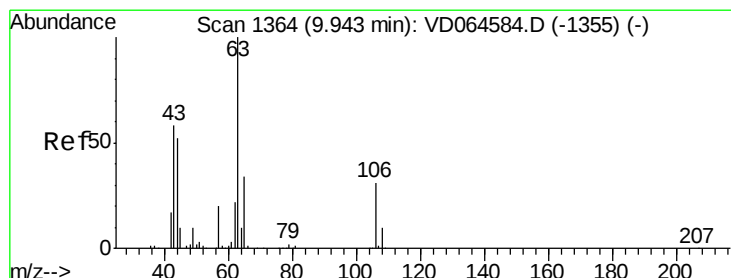
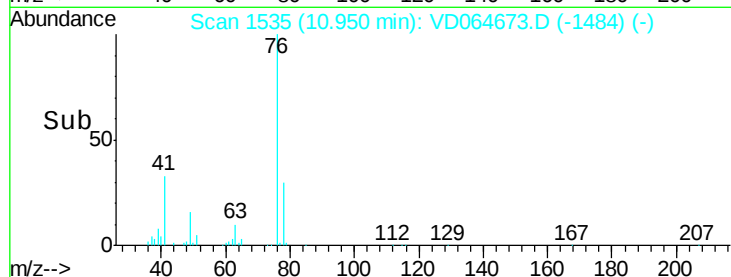
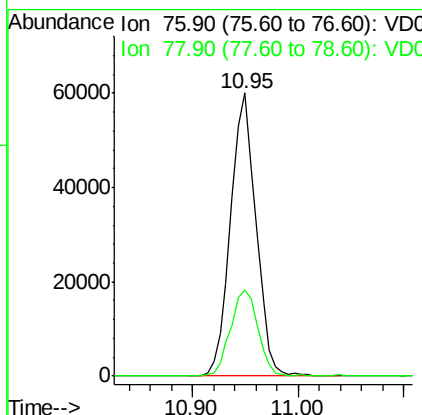
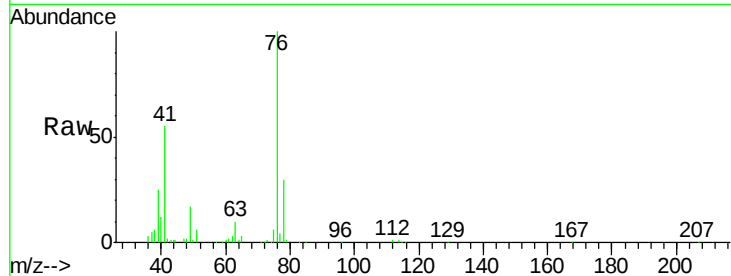
#57
 1,3-Dichloropropane
 Concen: 20.518 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064673.D
 Acq: 30 Dec 2019 12:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1230SBS01

Tot Ion: 76 Resp: 100018
 Ion Ratio Lower Upper
 76 100
 78 32.7 26.2 39.4

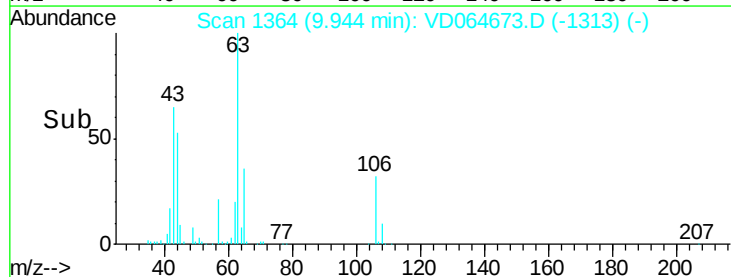
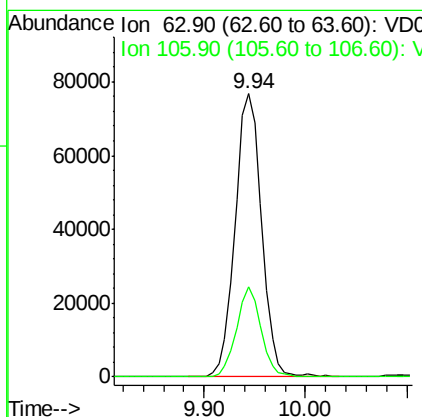
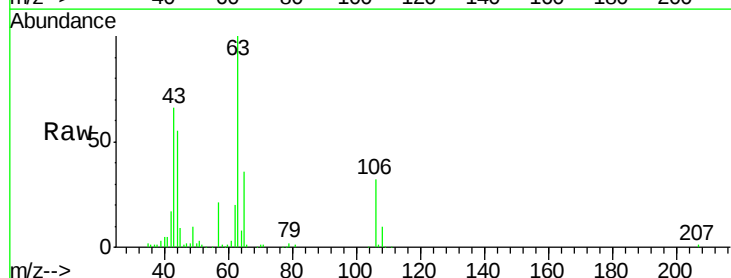
Manual Integrations
 APPROVED

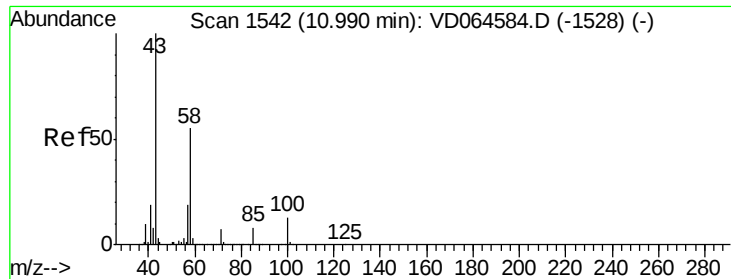
apatel
 12/31/2019 11:47:26 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 103.476 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064673.D
 Acq: 30 Dec 2019 12:46

Tgt Ion: 63 Resp: 139391
 Ion Ratio Lower Upper
 63 100
 106 29.4 23.8 35.8





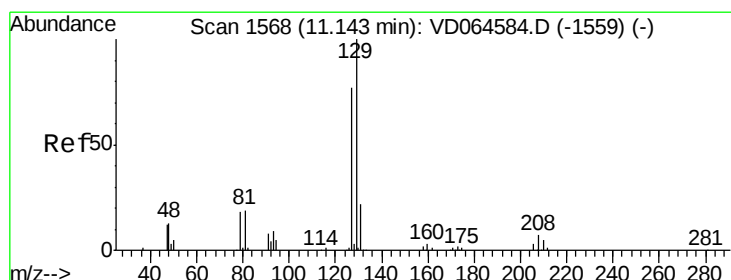
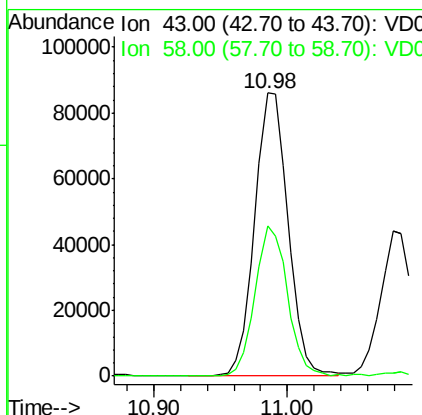
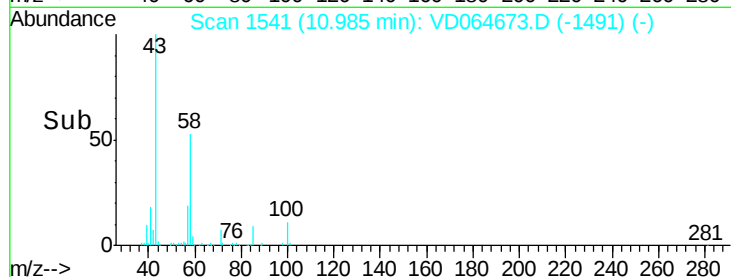
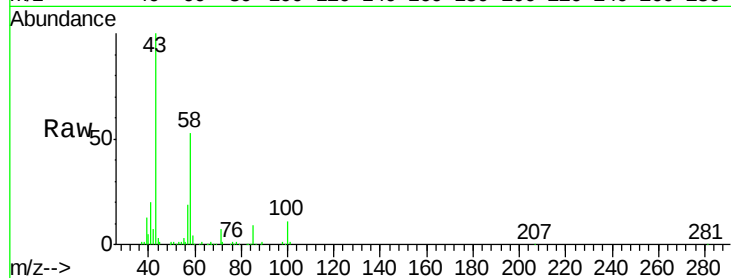
#59
2-Hexanone
Concen: 98.128 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD064673.D
Acq: 30 Dec 2019 12:46

Instrument :
MSVOA_D
ClientSampleId :
VD1230SBS01

Tot Ion: 43 Resp: 148807
Ion Ratio Lower Upper
43 100
58 51.5 26.4 79.0

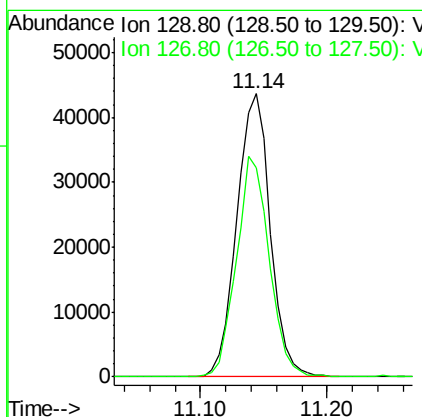
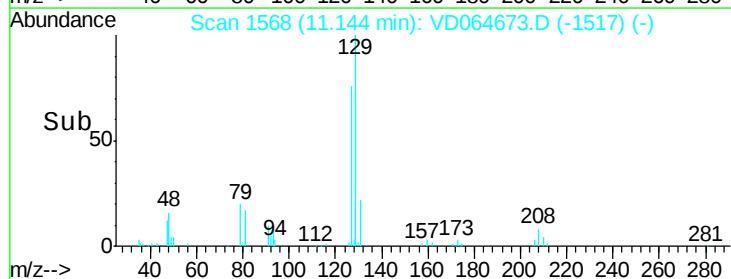
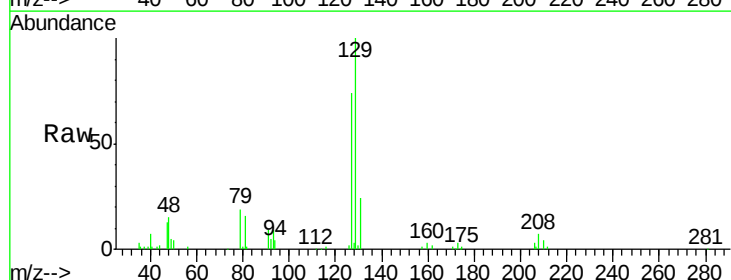
Manual Integrations
APPROVED

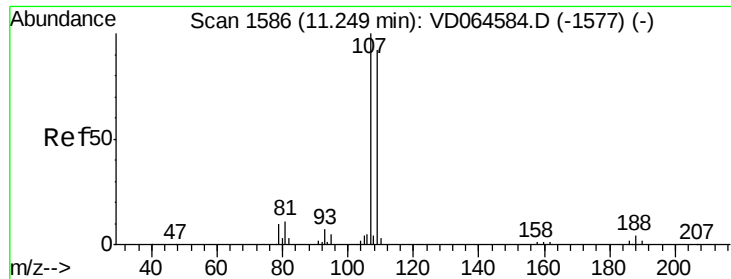
apatel
12/31/2019 11:47:26 AM



#60
Dibromochloromethane
Concen: 20.394 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064673.D
Acq: 30 Dec 2019 12:46

Tgt Ion:129 Resp: 79844
Ion Ratio Lower Upper
129 100
127 76.4 38.4 115.2





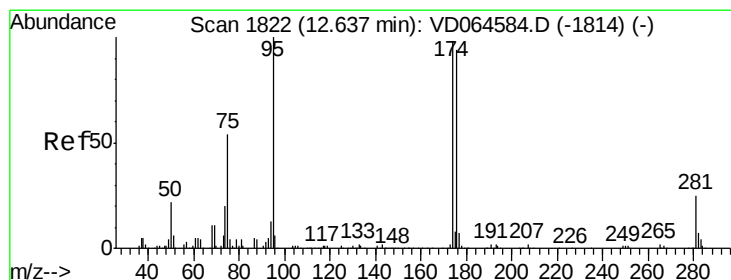
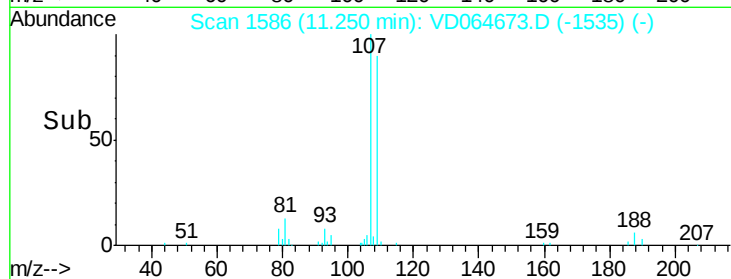
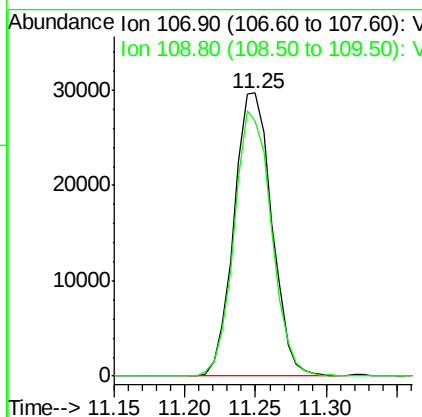
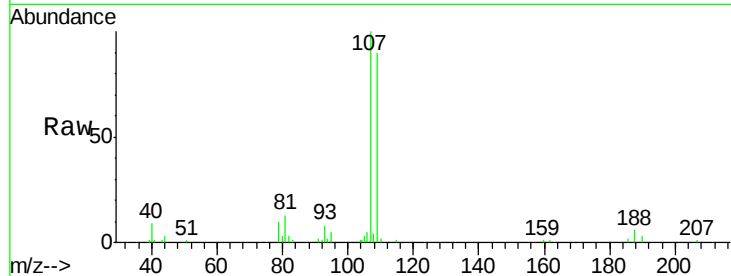
#61
 1,2-Dibromoethane
 Concen: 19.936 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064673.D
 Acq: 30 Dec 2019 12:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1230SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.7	75.6	113.4

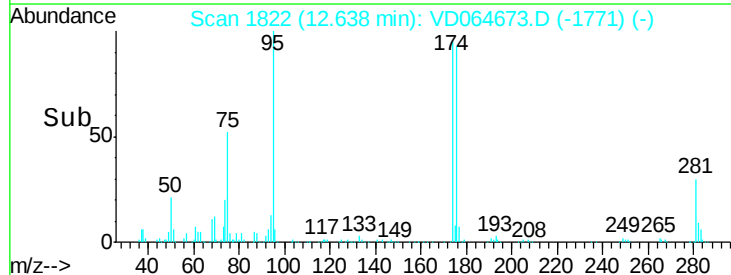
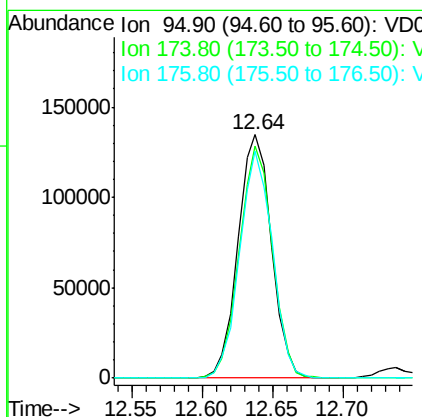
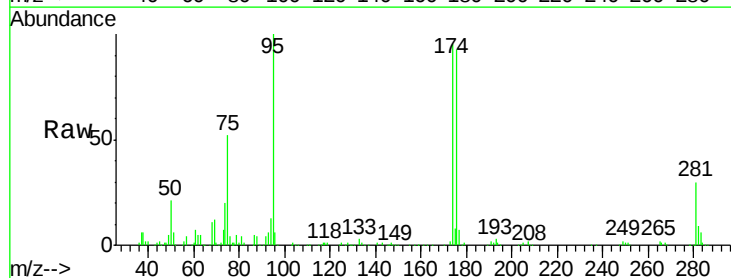
Manual Integrations
 APPROVED

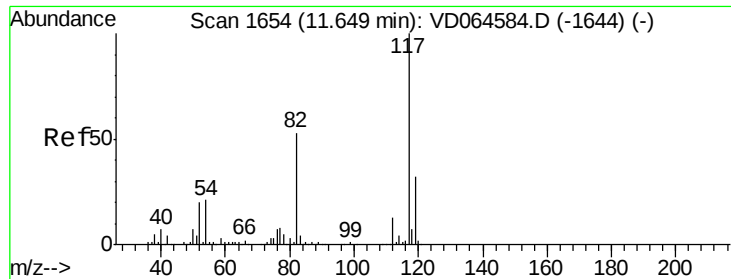
apatel
 12/31/2019 11:47:26 AM



#62
 4-Bromofluorobenzene
 Concen: 49.949 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064673.D
 Acq: 30 Dec 2019 12:46

Tgt Ion	Ratio	Lower	Upper
95	100		
174	94.5	0.0	193.2
176	91.7	0.0	184.2





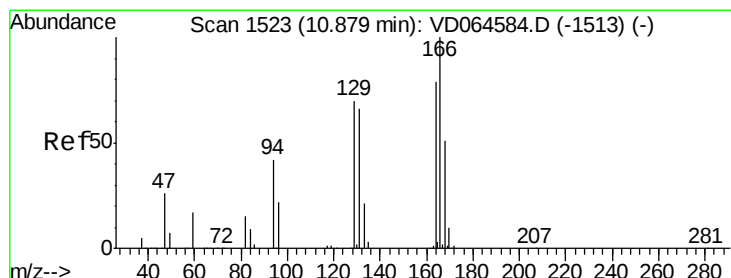
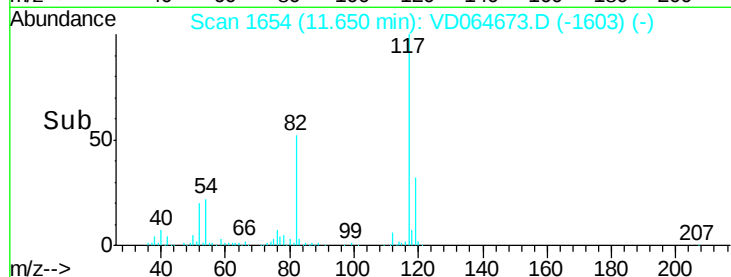
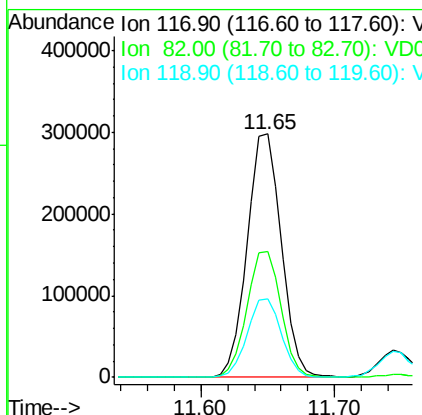
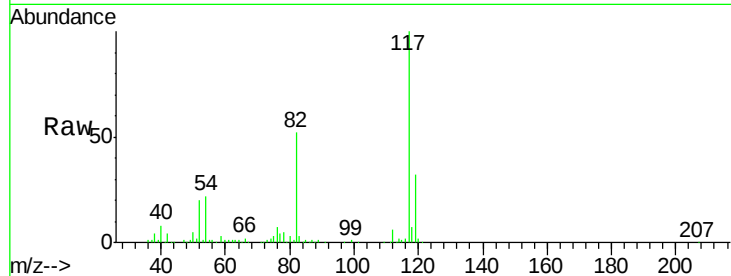
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064673.D
Acq: 30 Dec 2019 12:46

Instrument :
MSVOA_D
ClientSampleId :
VD1230SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	525405		
82	51.9	42.2	63.4	
119	32.2	26.0	39.0	

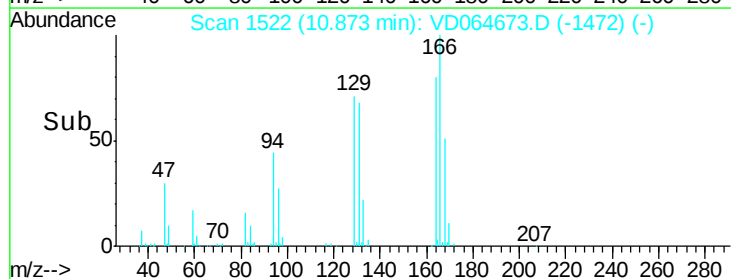
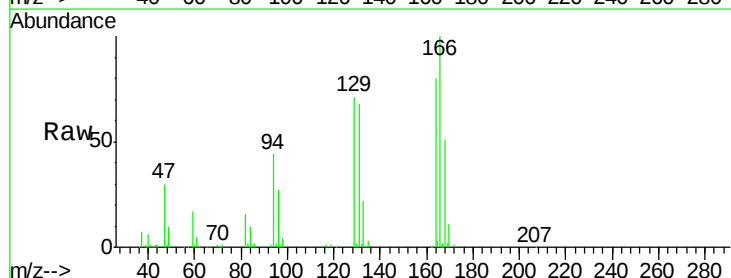
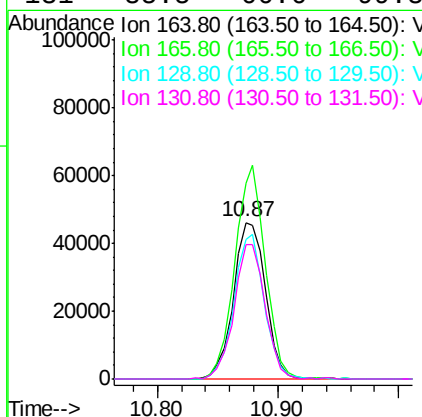
Manual Integrations
APPROVED

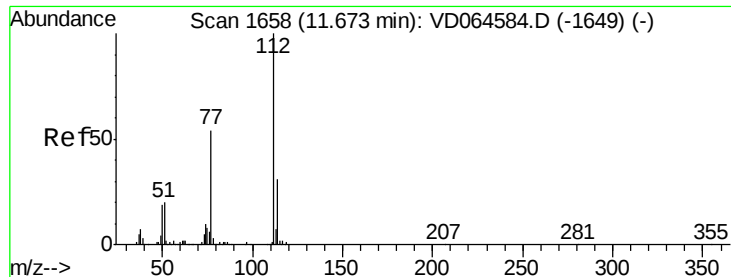
apatel
12/31/2019 11:47:26 AM



#64
Tetrachloroethene
Concen: 21.266 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.01 min
Lab File: VD064673.D
Acq: 30 Dec 2019 12:46

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	85719		
166	124.9	101.3	151.9	
129	88.8	70.5	105.7	
131	85.5	66.6	99.8	





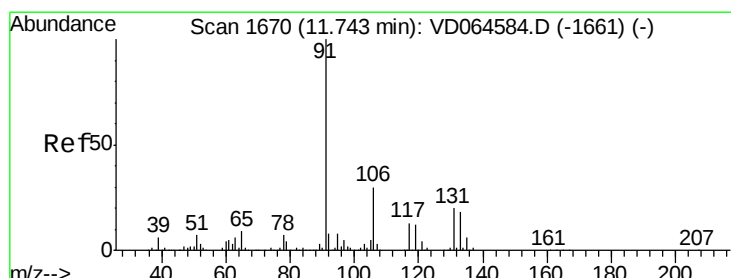
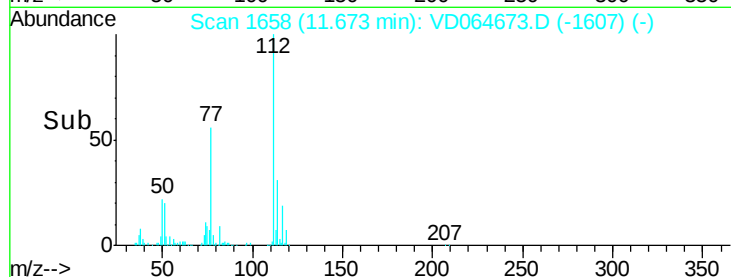
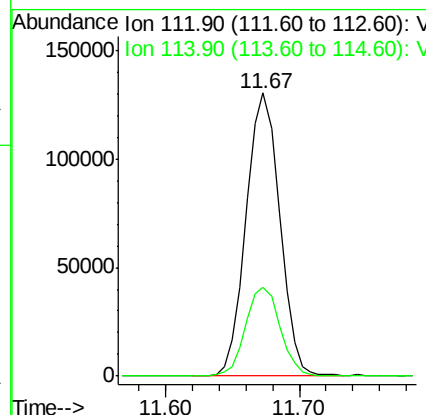
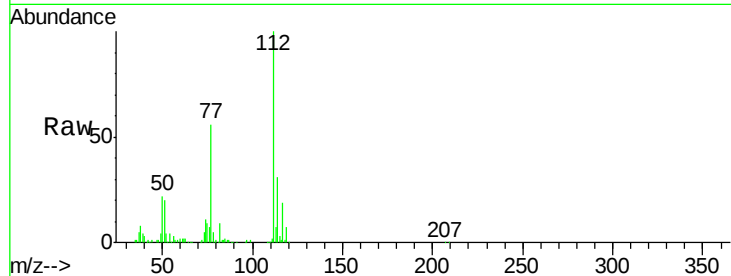
#65
Chlorobenzene
Concen: 20.849 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064673.D
Acq: 30 Dec 2019 12:46

Instrument :
MSVOA_D
ClientSampleId :
VD1230SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.4	24.8	37.2

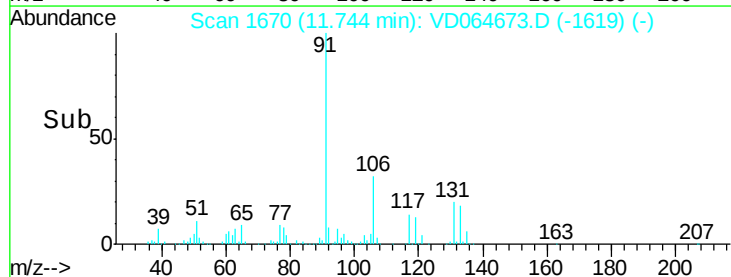
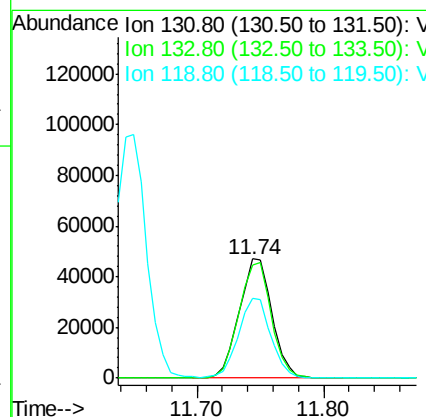
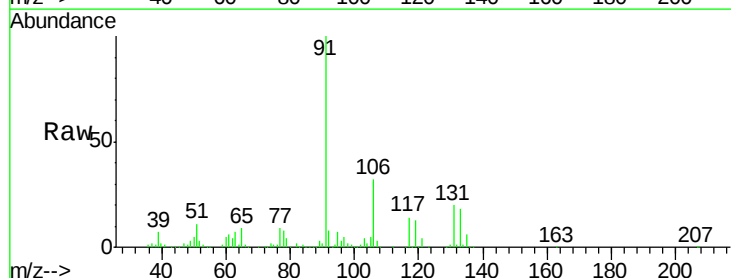
Manual Integrations
APPROVED

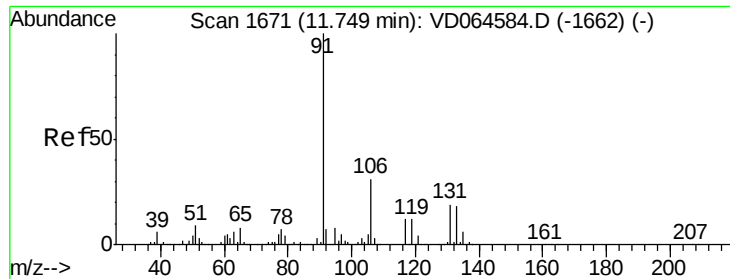
apatel
12/31/2019 11:47:26 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.499 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD064673.D
Acq: 30 Dec 2019 12:46

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.4	48.3	144.8
119	65.8	32.1	96.3





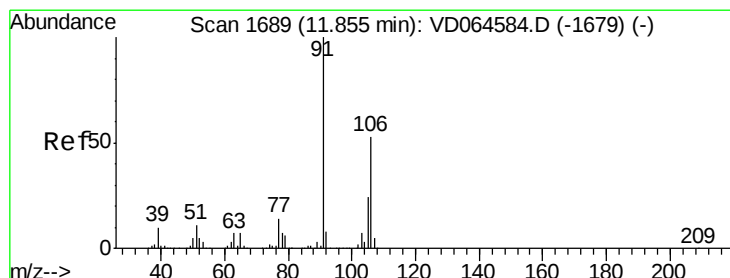
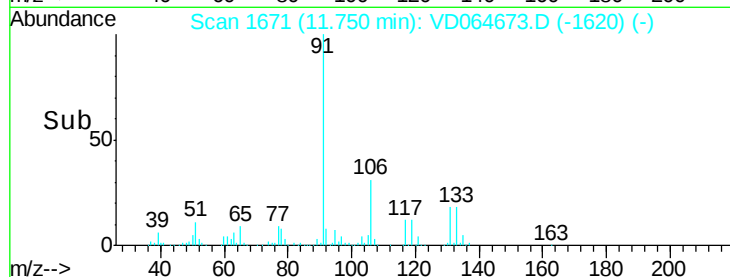
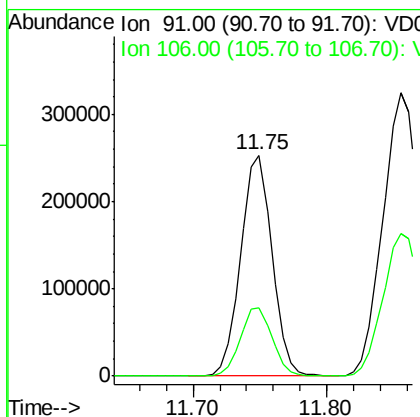
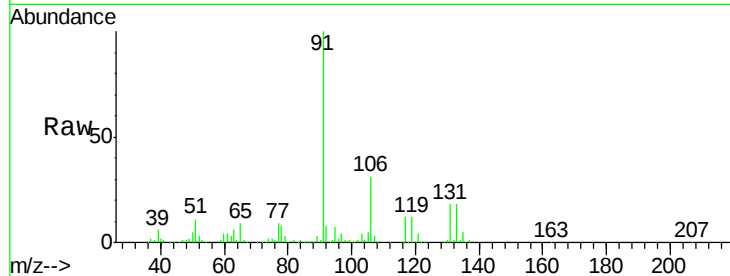
#67
Ethyl Benzene
Concen: 20.820 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064673.D
Acq: 30 Dec 2019 12:46

Instrument :
MSVOA_D
ClientSampleId :
VD1230SBS01

Tot Ion: 91 Resp: 412086
Ion Ratio Lower Upper
91 100
106 30.8 24.6 36.8

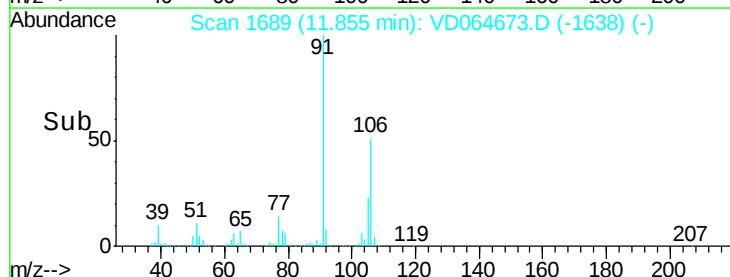
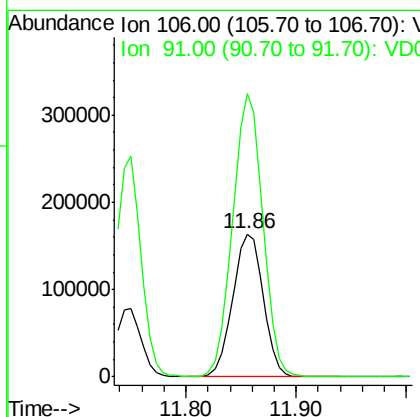
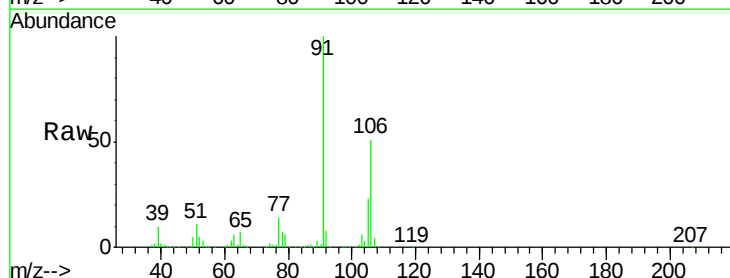
Manual Integrations
APPROVED

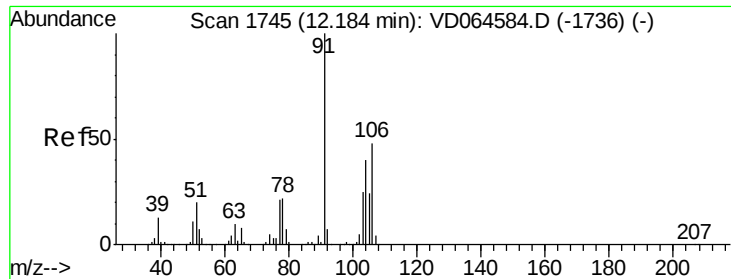
apatel
12/31/2019 11:47:26 AM



#68
m/p-Xylenes
Concen: 41.735 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD064673.D
Acq: 30 Dec 2019 12:46

Tgt Ion: 106 Resp: 318835
Ion Ratio Lower Upper
106 100
91 195.9 156.3 234.5





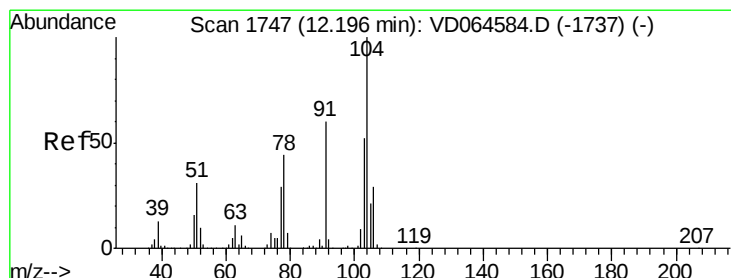
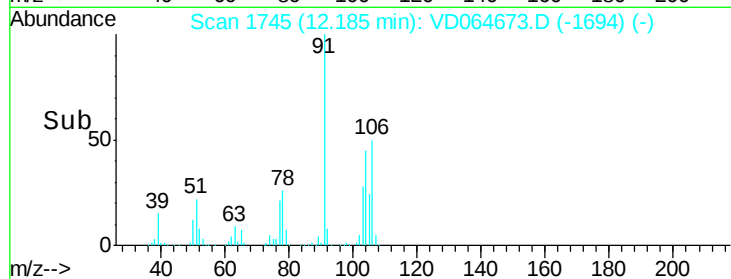
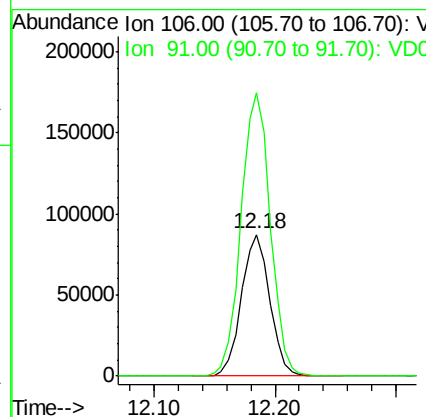
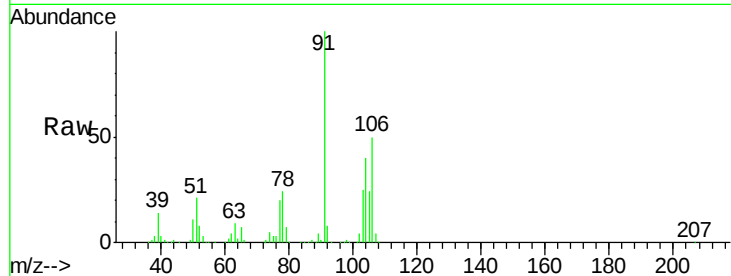
#69
o-Xylene
Concen: 20.744 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064673.D
Acq: 30 Dec 2019 12:46

Instrument :
MSVOA_D
ClientSampleId :
VD1230SBS01

Tot Ion	Ratio	Resp	Lower	Upper
106	100	143141		
91	206.8	104.8	314.4	

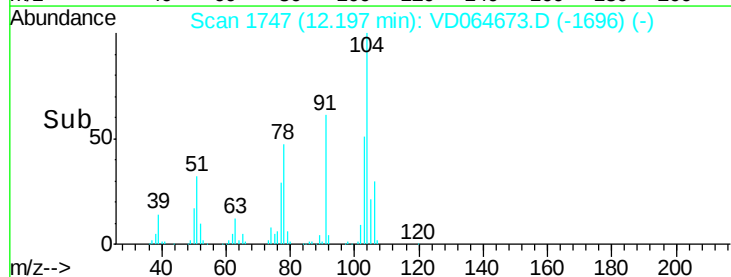
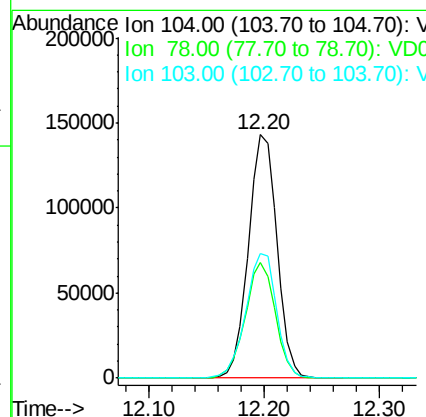
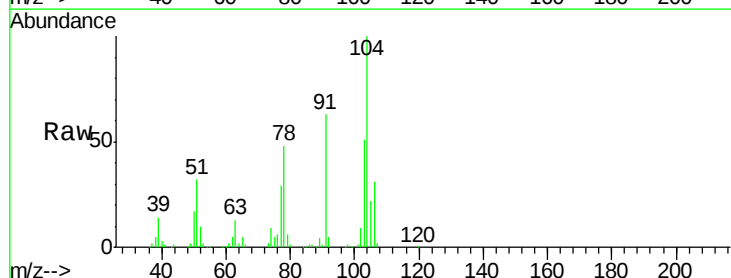
Manual Integrations
APPROVED

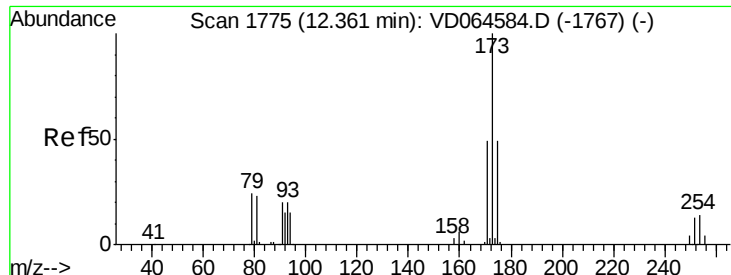
apatel
12/31/2019 11:47:26 AM



#70
Styrene
Concen: 20.351 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064673.D
Acq: 30 Dec 2019 12:46

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	246490		
78	50.1	38.2	57.2	
103	55.2	44.6	67.0	





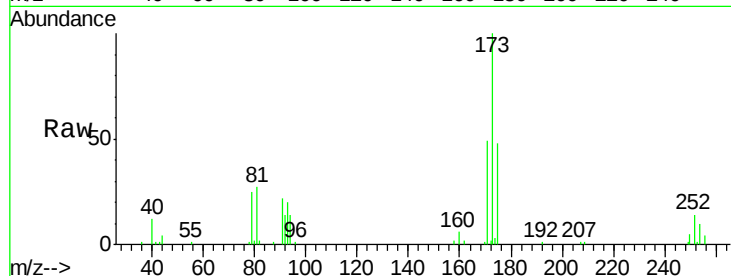
#71
Bromoform
Concen: 19.432 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.01 min
Lab File: VD064673.D
Acq: 30 Dec 2019 12:46

Instrument :
MSVOA_D
ClientSampleId :
VD1230SBS01

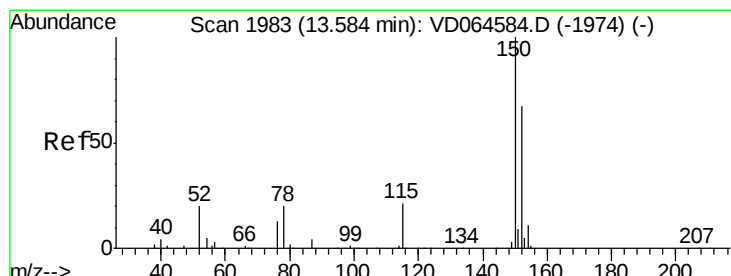
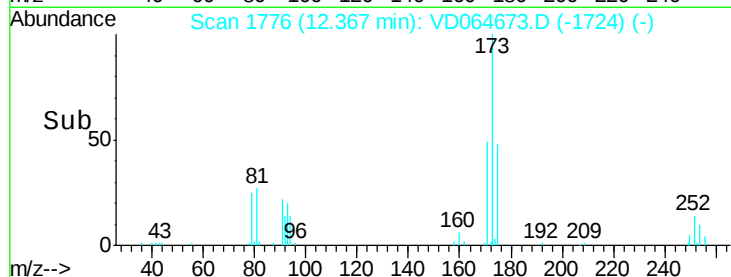
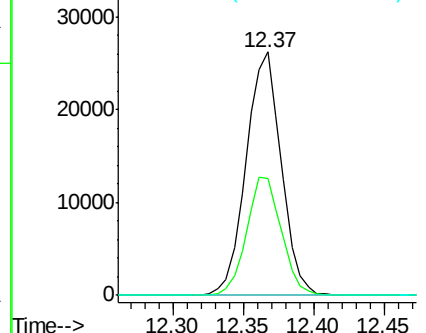
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.6	73.8
254	0.0	0.1	0.1#

Manual Integrations
APPROVED

apatel
12/31/2019 11:47:26 AM

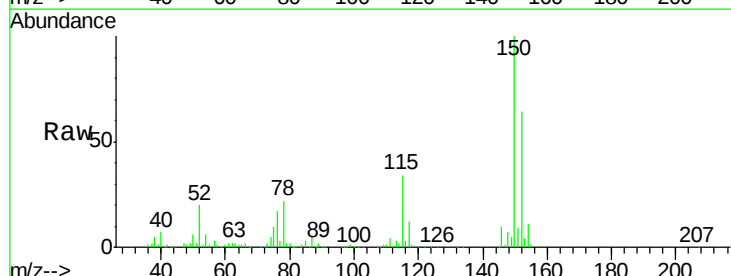


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

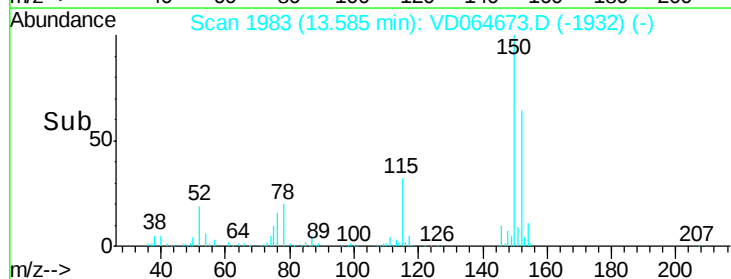
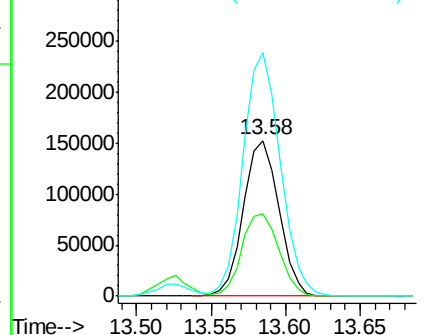


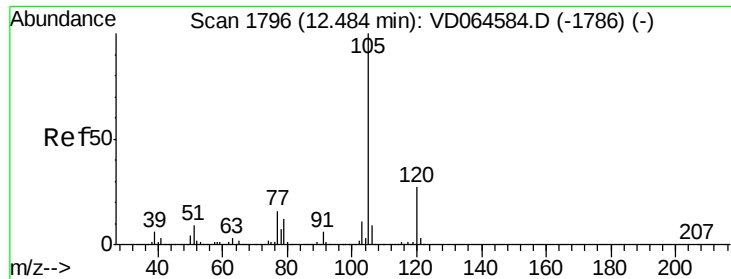
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064673.D
Acq: 30 Dec 2019 12:46

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.2	27.8	83.4
150	164.4	0.0	351.4



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





#73

Isopropylbenzene

Concen: 22.066 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064673.D

Acq: 30 Dec 2019 12:46

Instrument :

MSVOA_D

ClientSampleId :

VD1230SBS01

Tot Ion:105 Resp: 397060

Ion Ratio Lower Upper

105 100

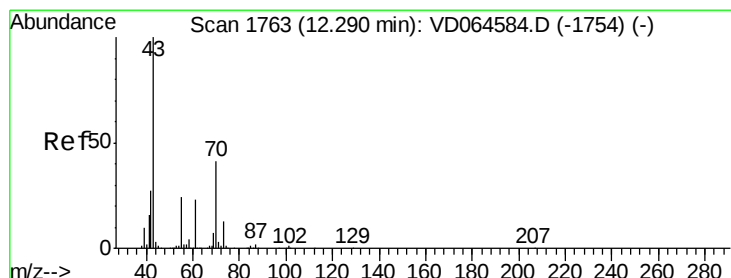
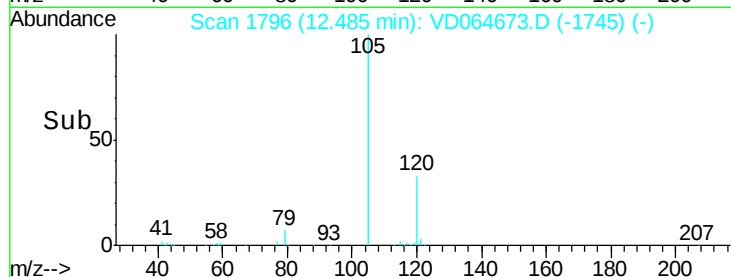
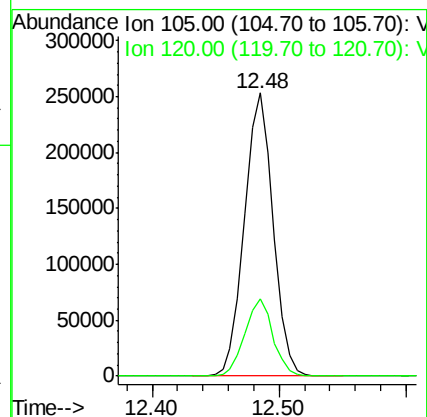
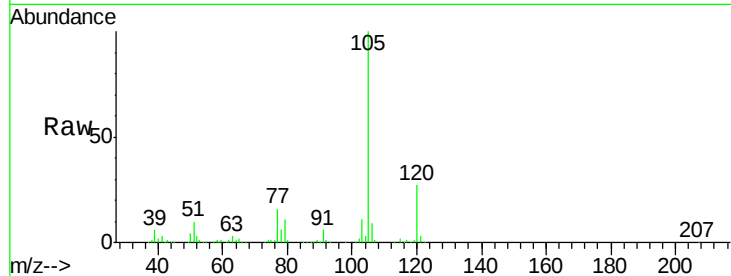
120 26.8 13.5 40.5

Manual Integrations

APPROVED

apatel

12/31/2019 11:47:26 AM



#74

N-ethyl acetate

Concen: 20.339 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD064673.D

Acq: 30 Dec 2019 12:46

Tgt Ion: 43 Resp: 78232

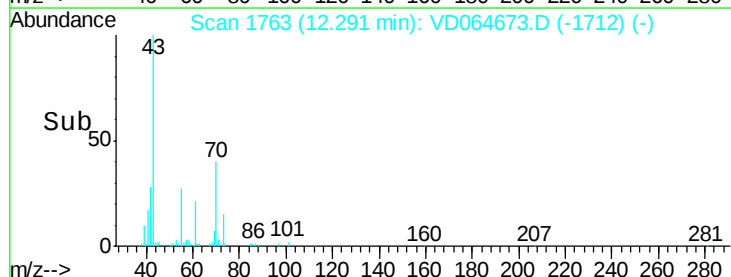
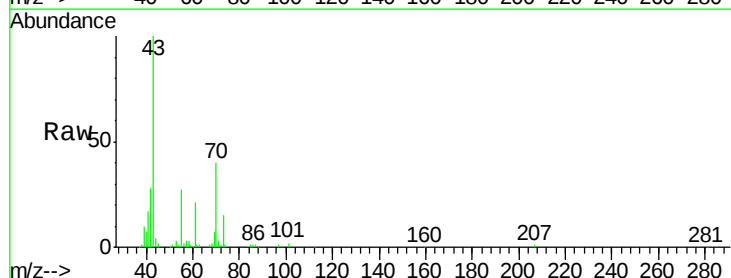
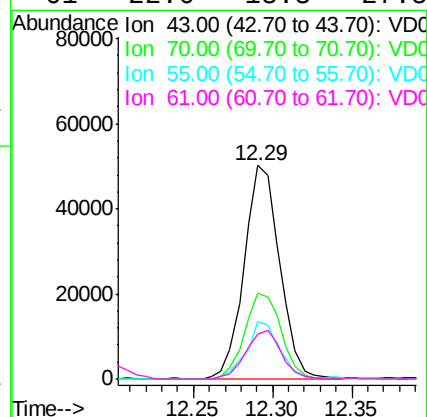
Ion Ratio Lower Upper

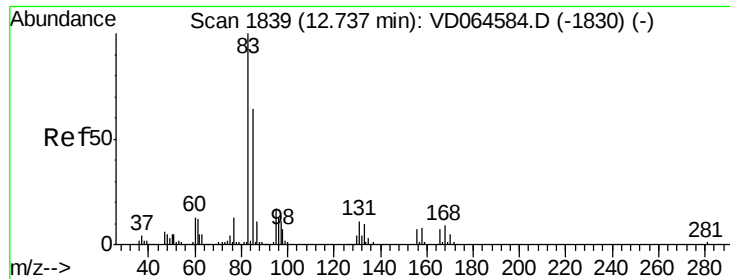
43 100

70 41.5 33.4 50.0

55 25.0 19.4 29.0

61 22.6 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 21.646 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064673.D

Acq: 30 Dec 2019 12:46

Instrument :

MSVOA_D

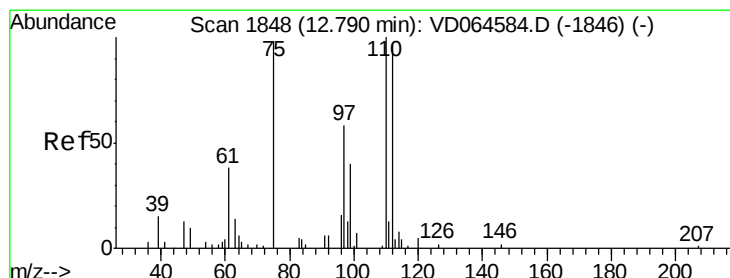
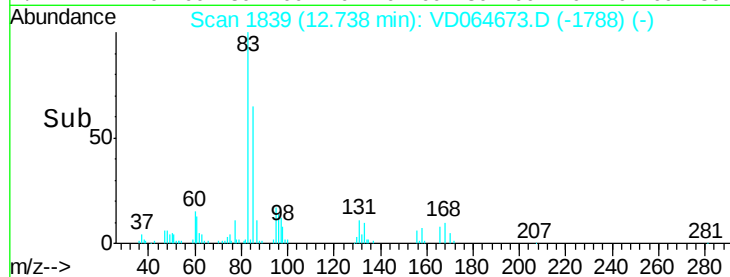
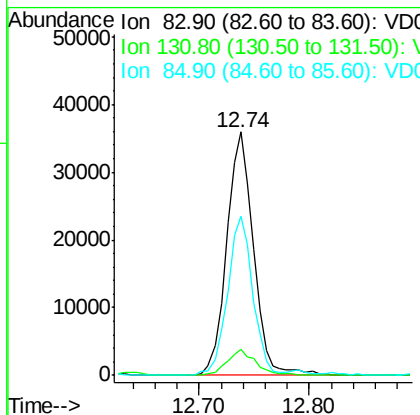
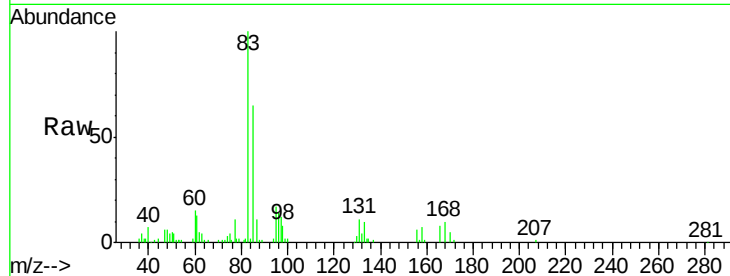
ClientSampleId :

VD1230SBS01

Tot Ion:	83	Resp:	61188
Ion Ratio	Lower	Upper	
83	100		
131	11.4	5.8	17.4
85	61.7	32.3	96.9

Manual Integrations
APPROVED

apatel
12/31/2019 11:47:26 AM



#76

1,2,3-Trichloropropane

Concen: 18.481 ug/l m

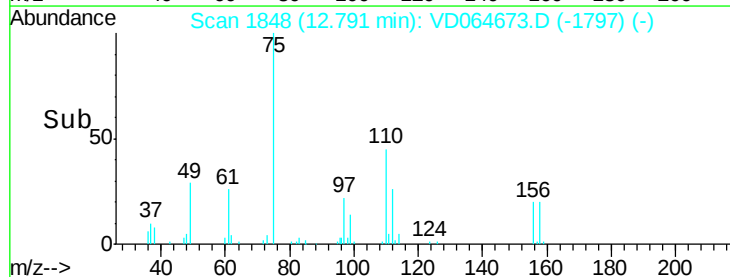
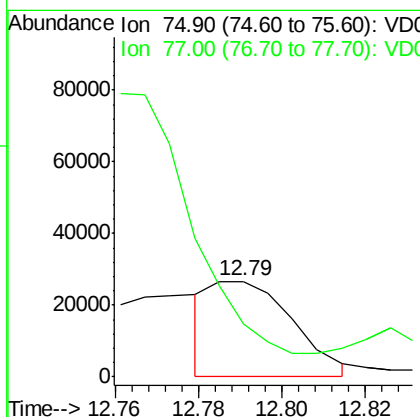
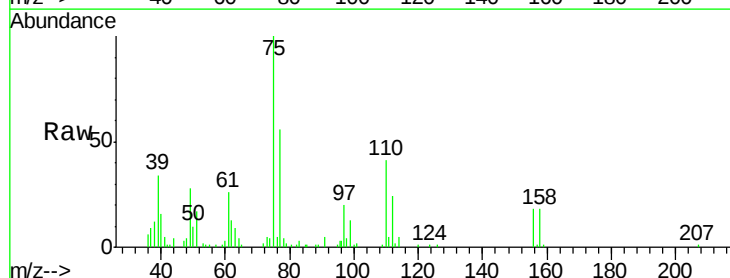
RT: 12.79 min Scan# 1848

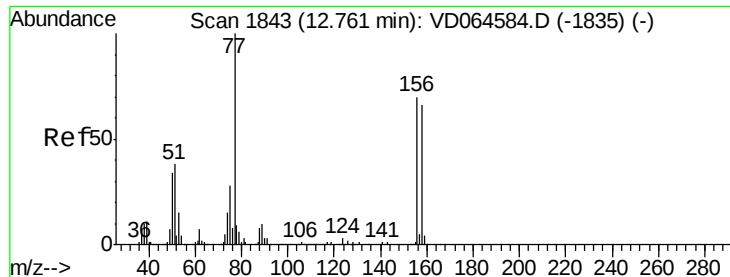
Delta R.T. 0.00 min

Lab File: VD064673.D

Acq: 30 Dec 2019 12:46

Tgt Ion:	75	Resp:	36747
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.524 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD064673.D

Acq: 30 Dec 2019 12:46

Instrument :

MSVOA_D

ClientSampleId :

VD1230SBS01

Tot Ion:156 Resp: 95168

Ion Ratio Lower Upper

156 100

77 157.8 80.9 242.7

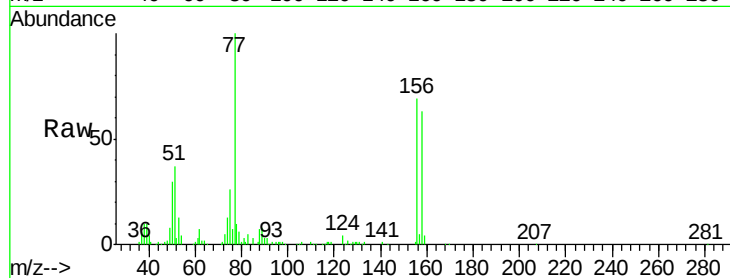
158 97.5 48.0 144.2

Manual Integrations

APPROVED

apatel

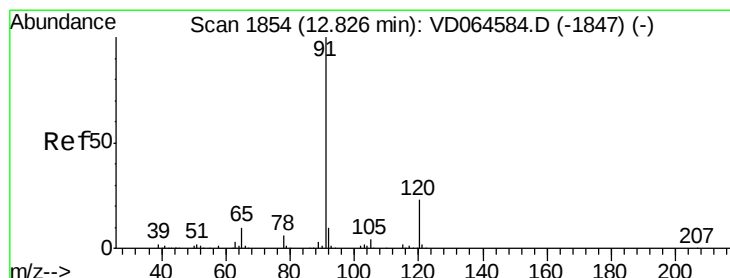
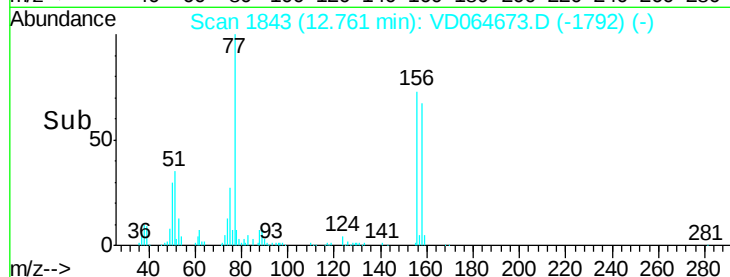
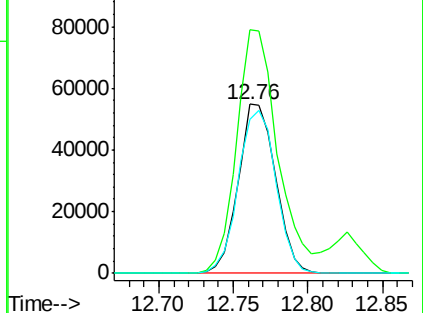
12/31/2019 11:47:26 AM



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: 22.244 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064673.D

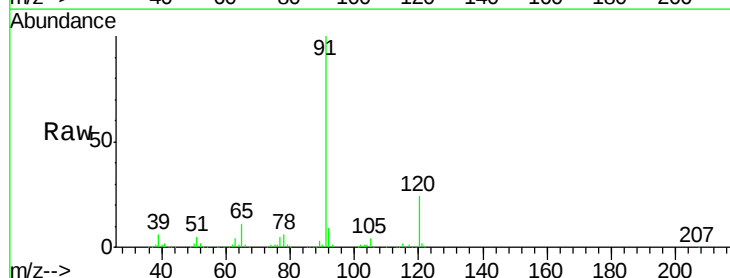
Acq: 30 Dec 2019 12:46

Tgt Ion: 91 Resp: 466956

Ion Ratio Lower Upper

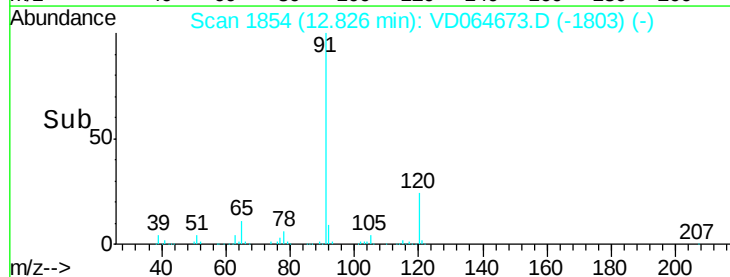
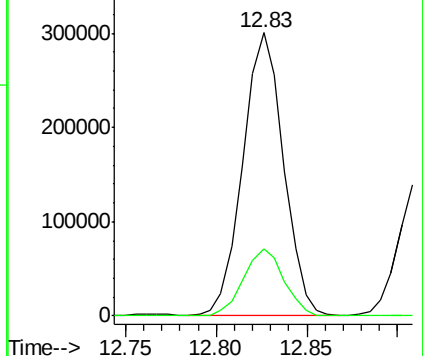
91 100

120 23.5 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.090 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064673.D

Acq: 30 Dec 2019 12:46

Instrument :

MSVOA_D

ClientSampleId :

VD1230SBS01

Tot Ion: 91 Resp: 254746

Ion Ratio Lower Upper

91 100

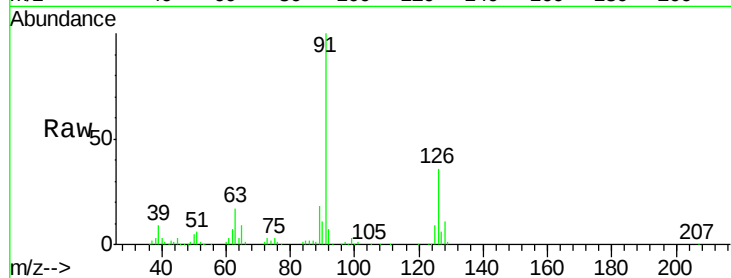
126 35.4 17.8 53.5

Manual Integrations

APPROVED

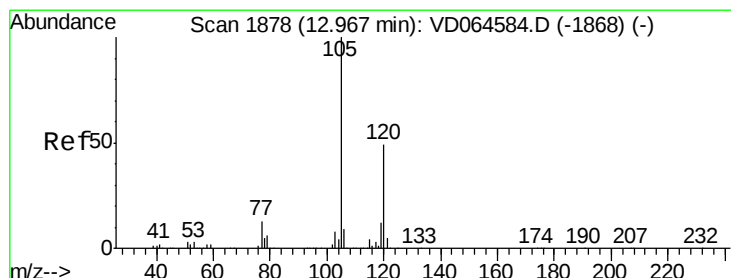
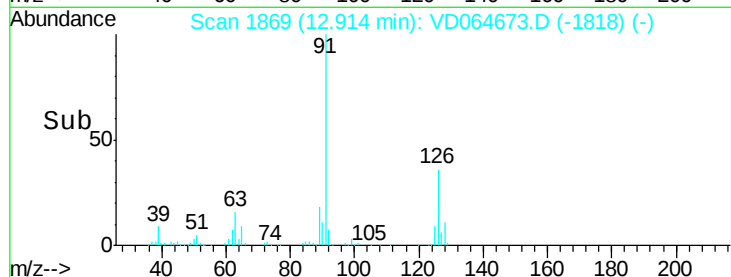
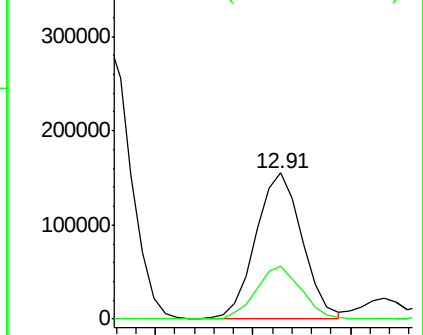
apatel

12/31/2019 11:47:26 AM



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 22.018 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064673.D

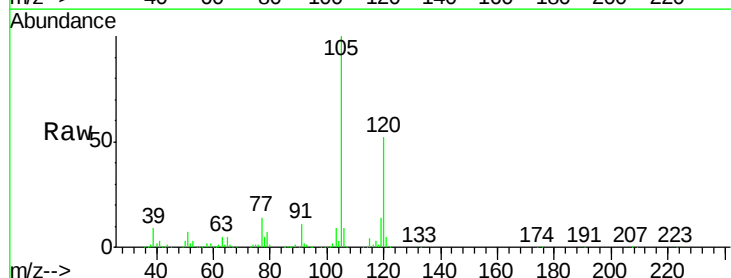
Acq: 30 Dec 2019 12:46

Tgt Ion: 105 Resp: 325450

Ion Ratio Lower Upper

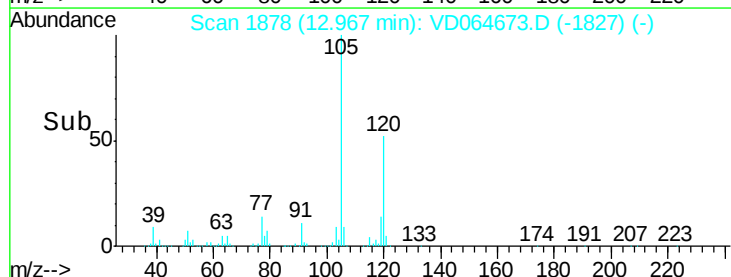
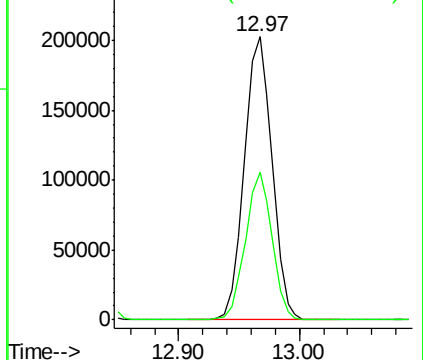
105 100

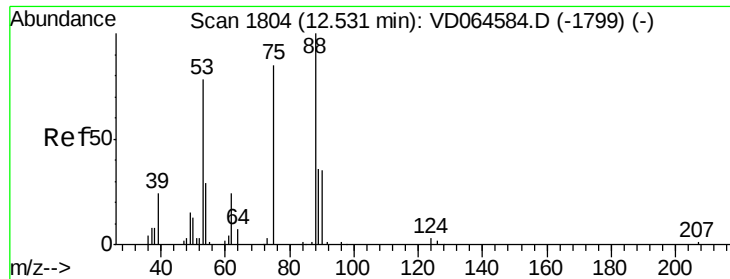
120 50.0 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





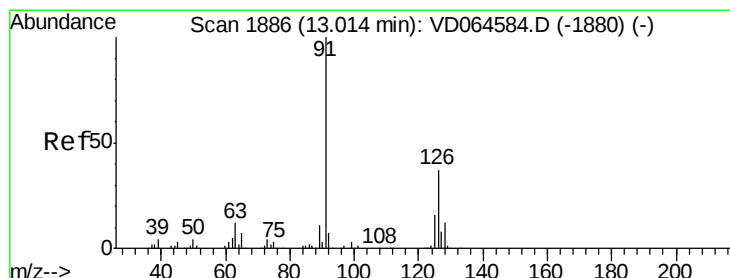
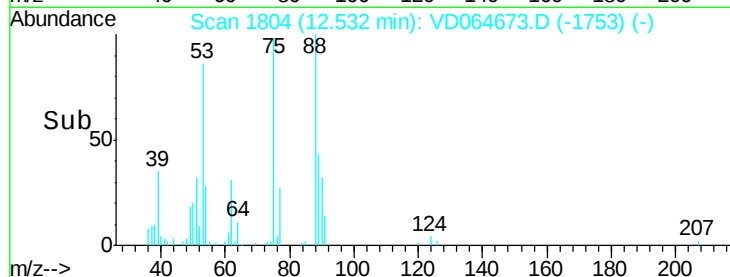
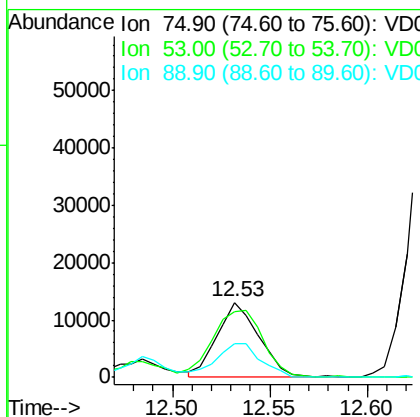
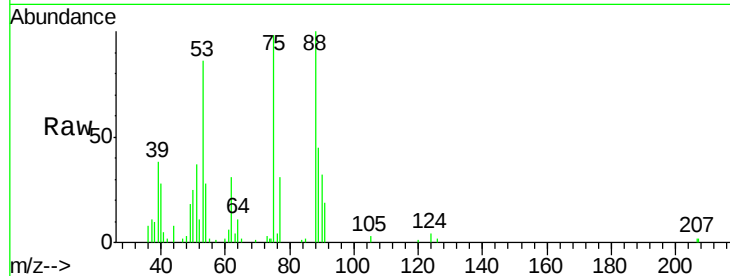
#81
trans-1,4-Dichloro-2-butene
Concen: 20.432 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD064673.D
Acq: 30 Dec 2019 12:46

Instrument :
MSVOA_D
ClientSampleId :
VD1230SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	108.4	78.8	118.2
89	50.0	38.3	57.5

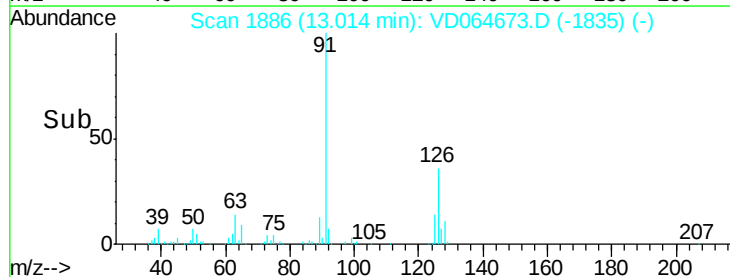
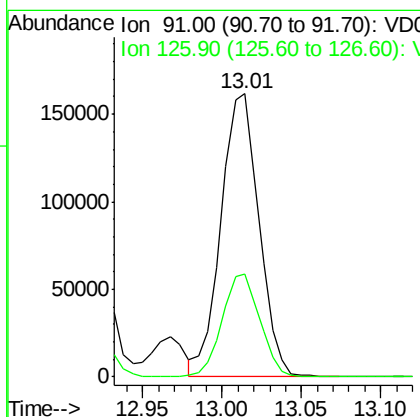
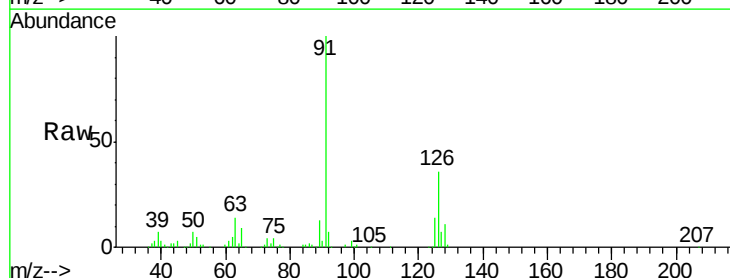
Manual Integrations
APPROVED

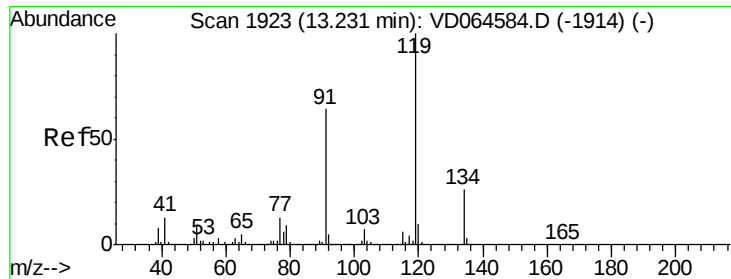
apatel
12/31/2019 11:47:26 AM



#82
4-Chlorotoluene
Concen: 21.901 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VD064673.D
Acq: 30 Dec 2019 12:46

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.1	17.8	53.5





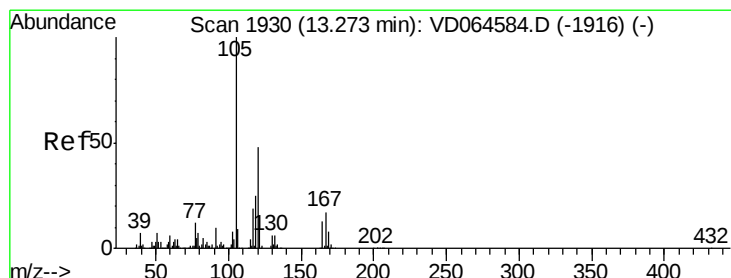
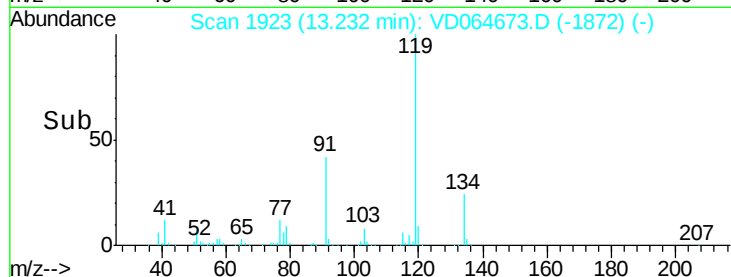
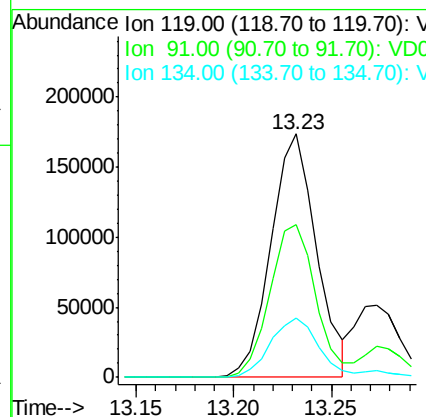
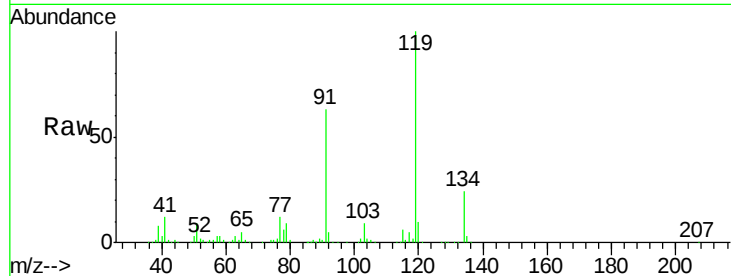
#83
tert-Butylbenzene
Concen: 21.827 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD064673.D
Acq: 30 Dec 2019 12:46

Instrument :
MSVOA_D
ClientSampleId :
VD1230SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	280123		
91	62.9		30.8	92.4
134	25.5		12.8	38.3

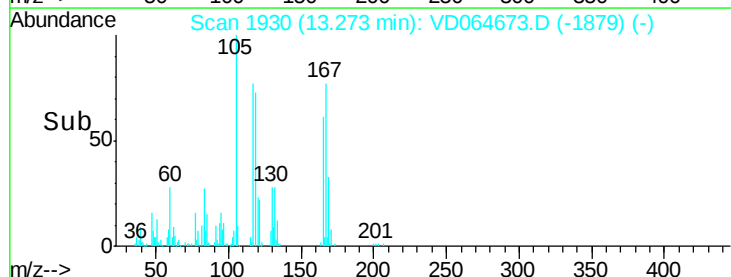
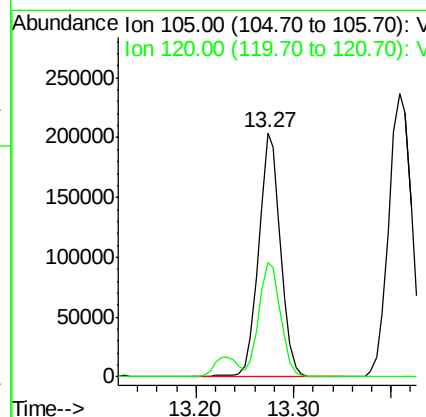
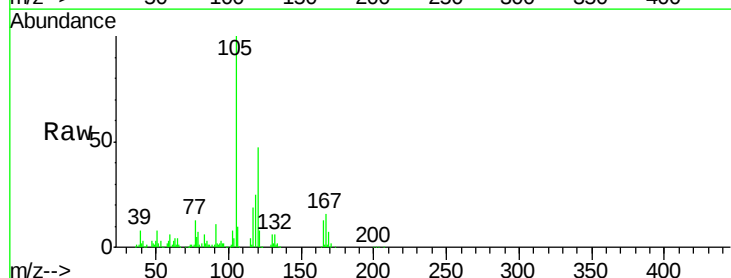
Manual Integrations
APPROVED

apatel
12/31/2019 11:47:26 AM



#84
1,2,4-Trimethylbenzene
Concen: 21.743 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD064673.D
Acq: 30 Dec 2019 12:46

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	320086		
120	46.9		23.8	71.2





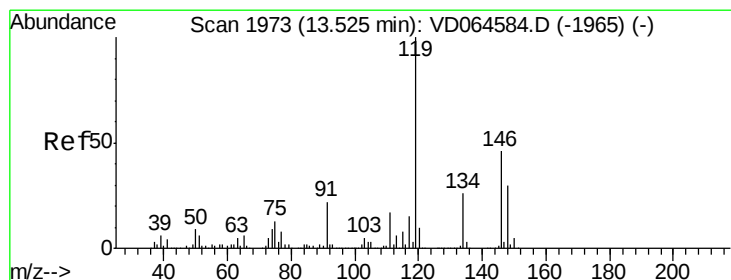
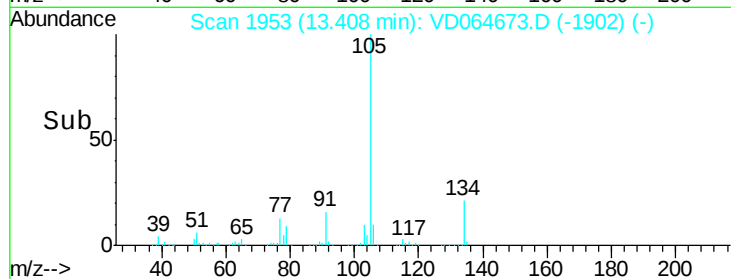
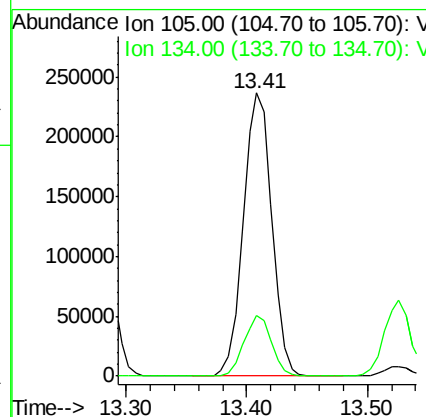
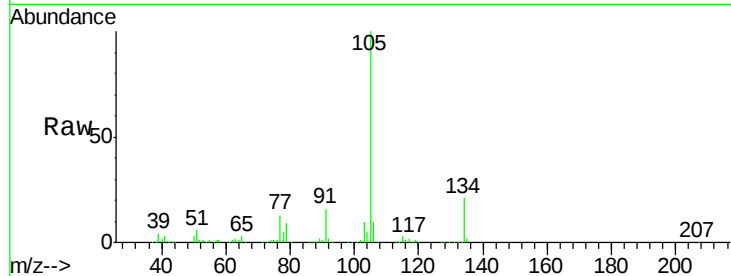
#85
 sec-Butylbenzene
 Concen: 22.094 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD064673.D
 Acq: 30 Dec 2019 12:46

Instrument :
 MSVOA_D
 ClientSampleID :
 VD1230SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.7	10.6	31.8

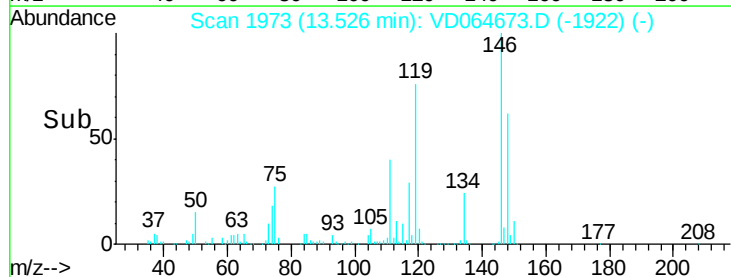
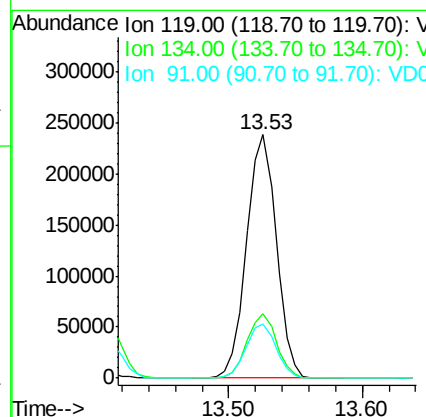
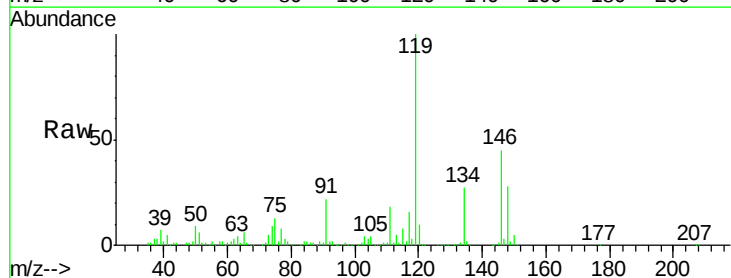
Manual Integrations
 APPROVED

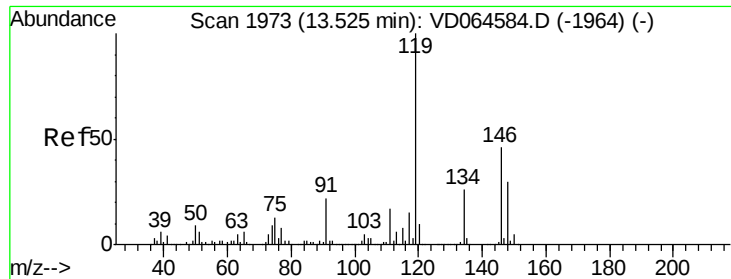
apatel
 12/31/2019 11:47:26 AM



#86
 p-Isopropyltoluene
 Concen: 21.752 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064673.D
 Acq: 30 Dec 2019 12:46

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.4	40.1
91	22.6	11.2	33.6





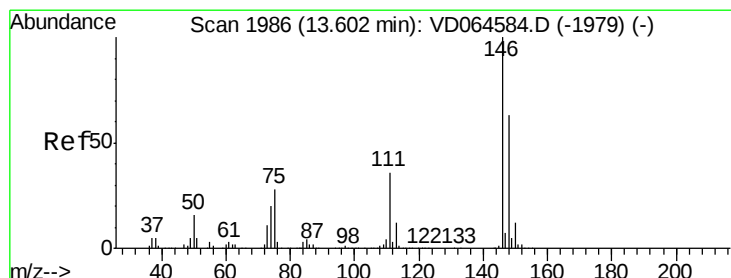
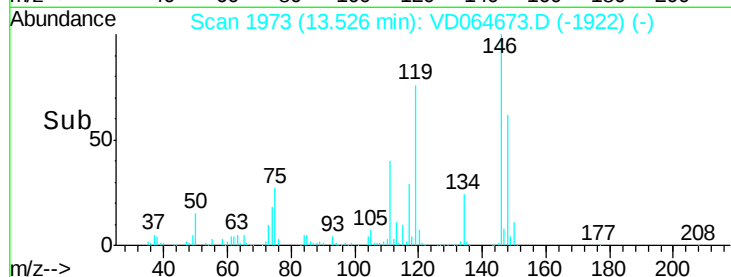
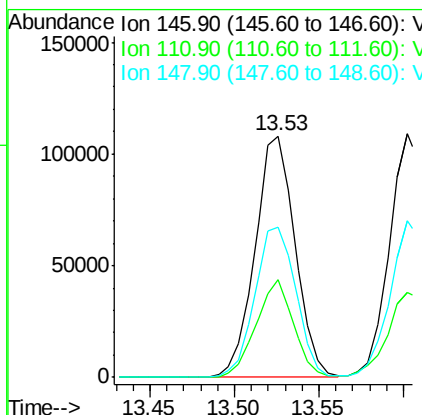
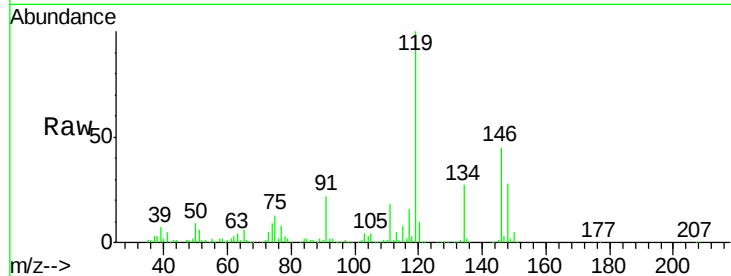
#87
 1,3-Dichlorobenzene
 Concen: 21.154 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064673.D
 Acq: 30 Dec 2019 12:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1230SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	178302		
111	37.8	18.8	56.4	
148	64.0	32.5	97.5	

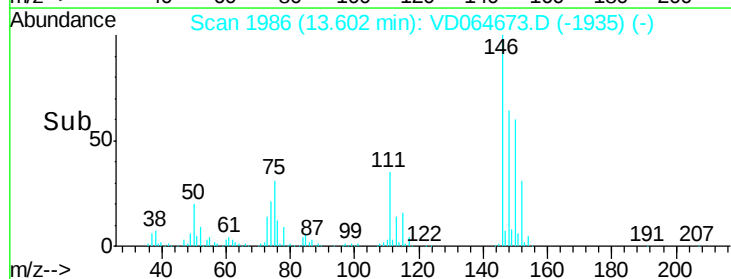
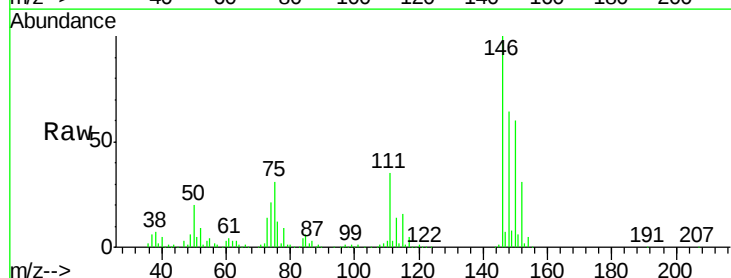
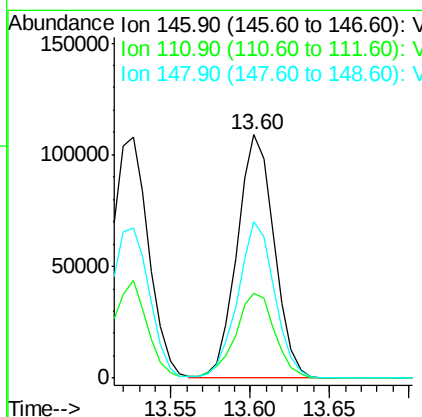
Manual Integrations
 APPROVED

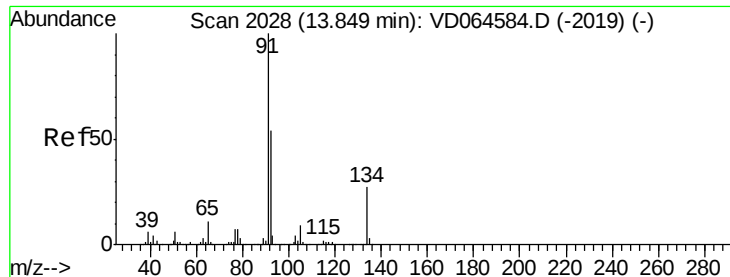
apatel
 12/31/2019 11:47:26 AM



#88
 1,4-Dichlorobenzene
 Concen: 21.345 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064673.D
 Acq: 30 Dec 2019 12:46

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	176743		
111	37.2	18.1	54.1	
148	64.0	32.3	96.9	





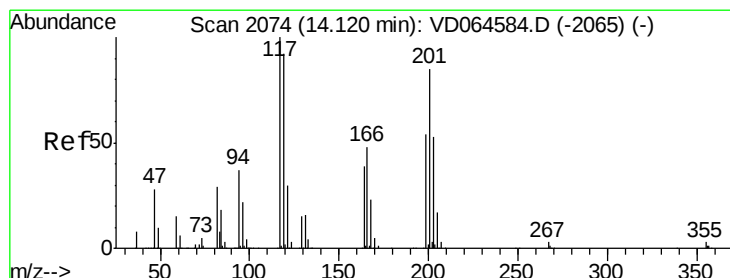
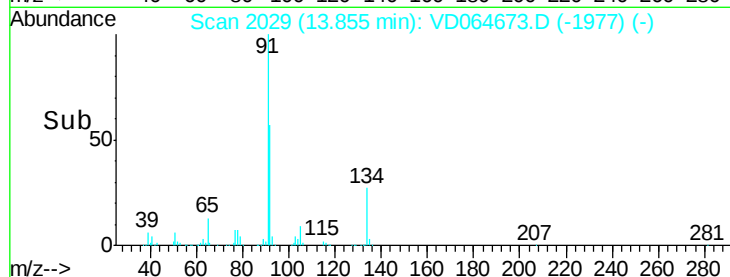
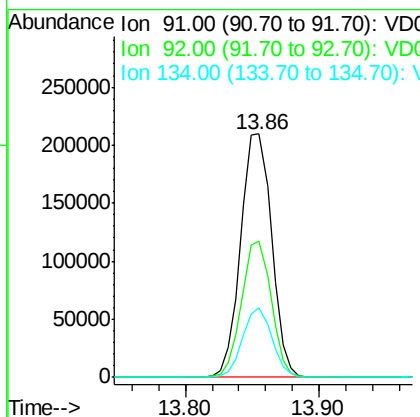
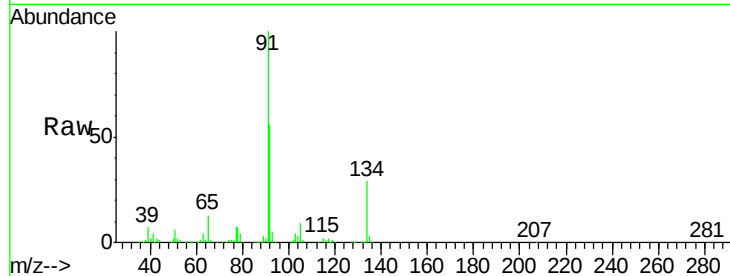
#89
n-Butylbenzene
Concen: 22.208 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD064673.D
Acq: 30 Dec 2019 12:46

Instrument :
MSVOA_D
ClientSampleId :
VD1230SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.8	26.8	80.4
134	27.0	14.0	41.9

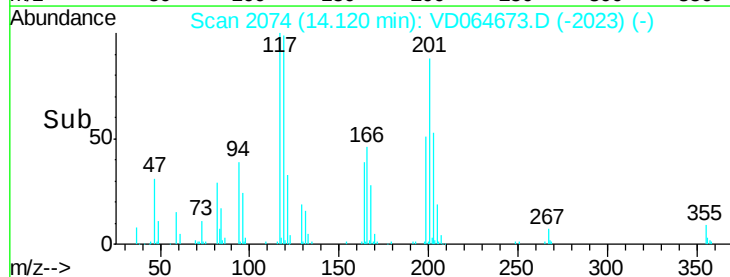
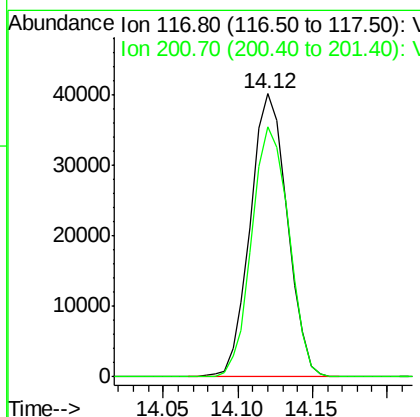
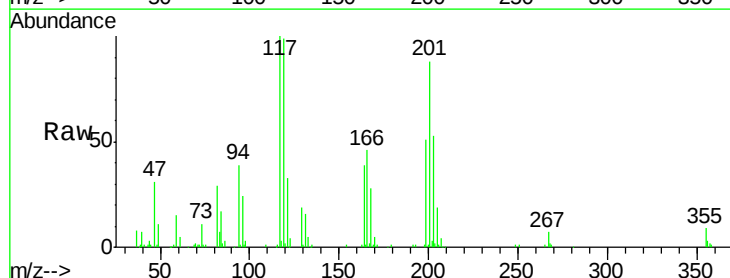
Manual Integrations
APPROVED

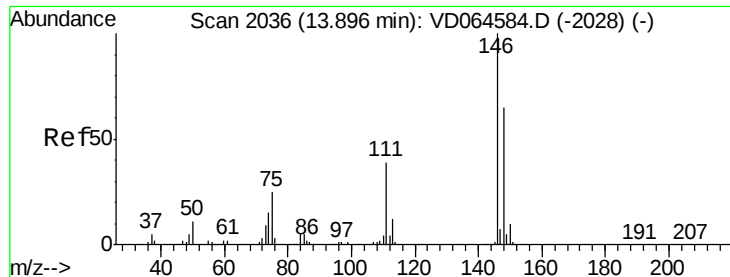
apatel
12/31/2019 11:47:26 AM



#90
Hexachloroethane
Concen: 21.439 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064673.D
Acq: 30 Dec 2019 12:46

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.3	44.0	131.8





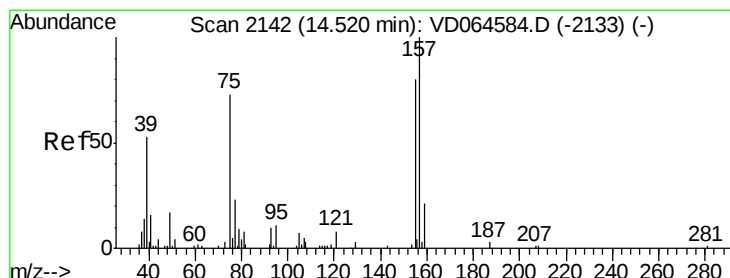
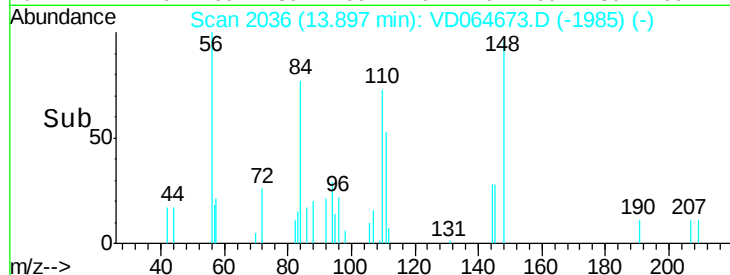
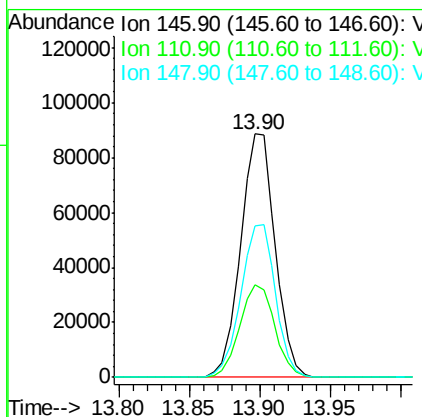
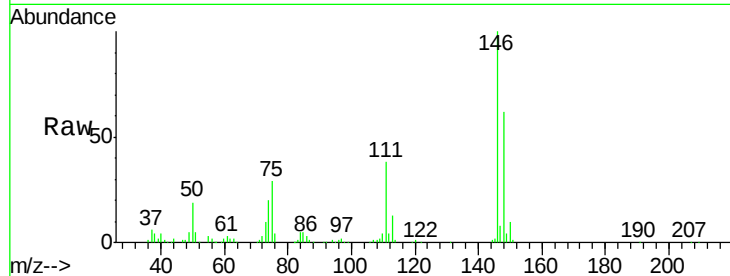
#91
 1,2-Dichlorobenzene
 Concen: 21.042 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064673.D
 Acq: 30 Dec 2019 12:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1230SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	151233		
111	38.7	19.3	57.9	
148	63.1	31.9	95.5	

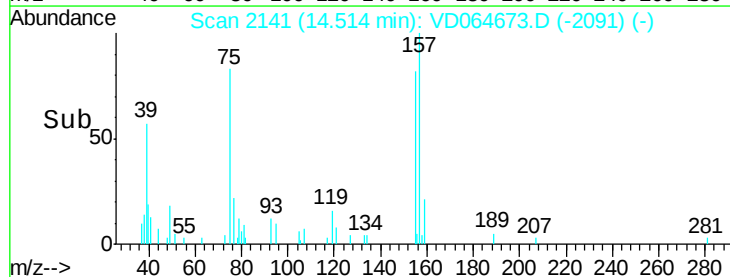
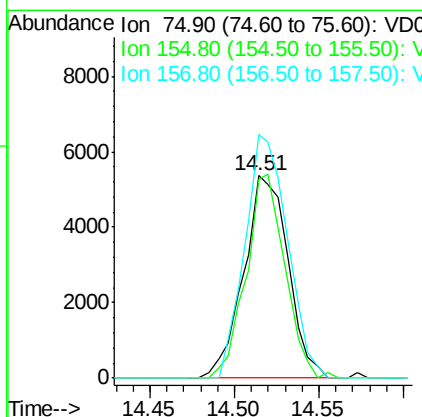
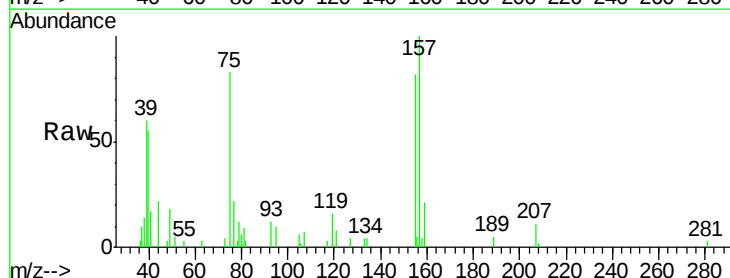
Manual Integrations
 APPROVED

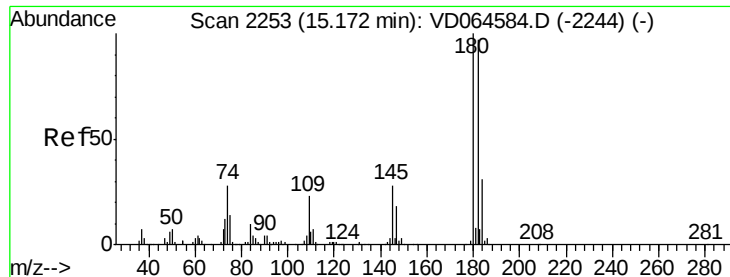
apatel
 12/31/2019 11:47:26 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.371 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD064673.D
 Acq: 30 Dec 2019 12:46

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	9793		
155	88.4	48.0	144.0	
157	115.8	64.1	192.3	





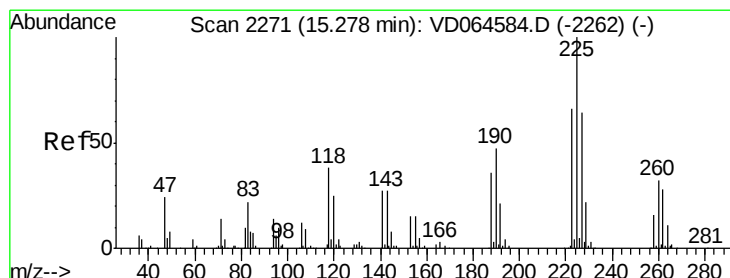
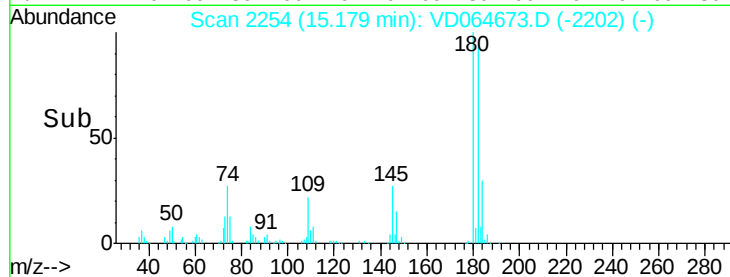
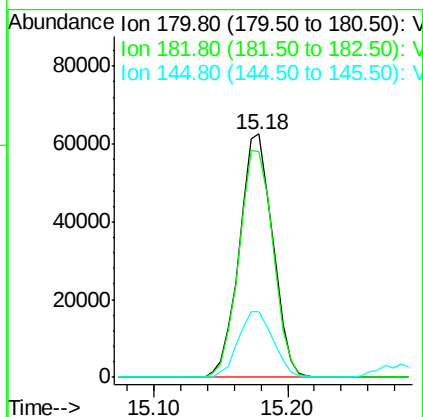
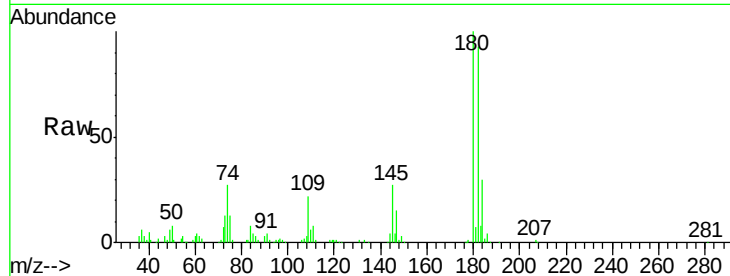
#93
1,2,4-Trichlorobenzene
Concen: 20.414 ug/l
RT: 15.18 min Scan# 2254
Delta R.T. 0.01 min
Lab File: VD064673.D
Acq: 30 Dec 2019 12:46

Instrument :
MSVOA_D
ClientSampleId :
VD1230SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	108033		
182	95.5	48.0	144.2	
145	28.3	13.8	41.4	

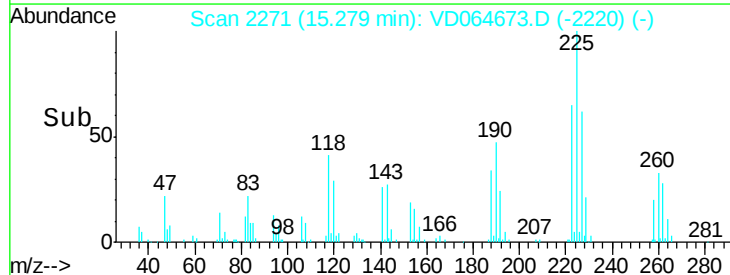
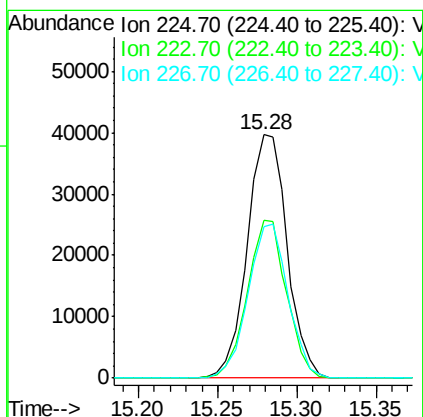
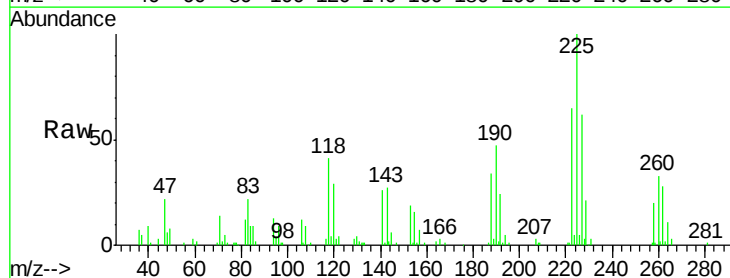
Manual Integrations
APPROVED

apatel
12/31/2019 11:47:26 AM



#94
Hexachlorobutadiene
Concen: 20.892 ug/l
RT: 15.28 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VD064673.D
Acq: 30 Dec 2019 12:46

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	69572		
223	63.6	31.1	93.2	
227	63.3	30.9	92.7	





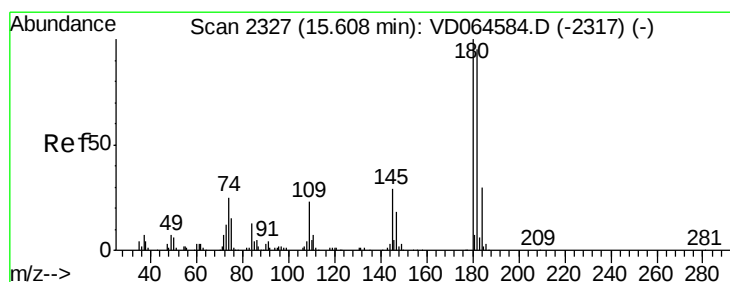
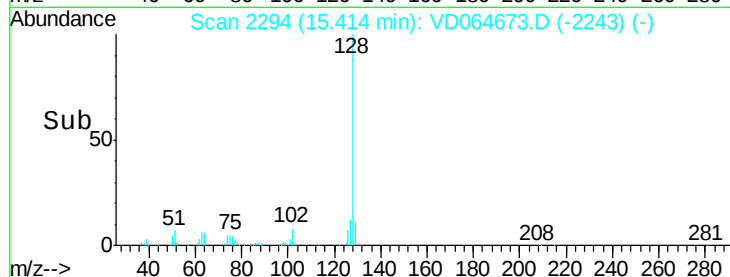
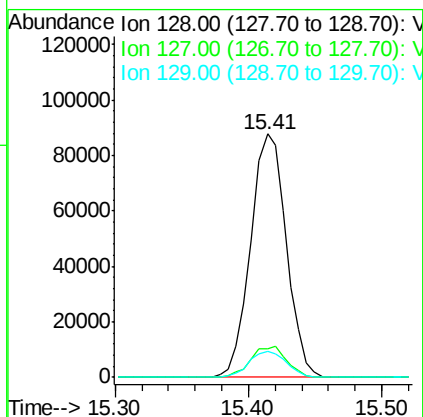
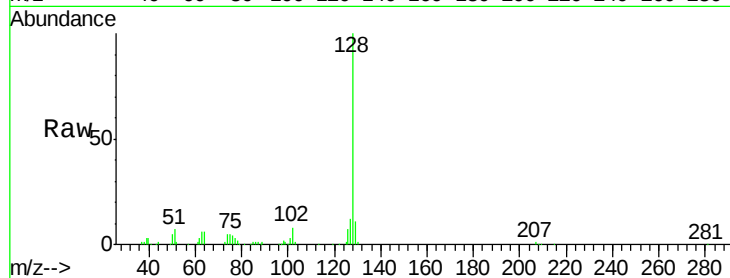
#95
Naphthalene
Concen: 19.347 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064673.D
Acq: 30 Dec 2019 12:46

Instrument :
MSVOA_D
ClientSampleId :
VD1230SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	11.2	8.5	12.7

Manual Integrations
APPROVED

apatel
12/31/2019 11:47:26 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.472 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD064673.D
Acq: 30 Dec 2019 12:46

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.7	47.9	143.7
145	29.7	14.9	44.7

