

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122419\
 Data File : VD064587.D
 Acq On : 24 Dec 2019 13:20
 Operator : VA/SY
 Sample : VSTDICV050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD122419

Manual Integrations
 APPROVED

apatel
 12/26/2019 11:14:21 AM

Quant Time: Dec 24 17:20:03 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	455850	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	638081	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	545148	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	274750	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	192711	47.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.88%	
35) Dibromofluoromethane	7.91	113	193065	49.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.64%	
50) Toluene-d8	10.34	98	765243	51.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.08%	
62) 4-Bromofluorobenzene	12.64	95	235594	49.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	179459	50.657	ug/l	96
3) Chloromethane	2.21	50	256534	51.777	ug/l	99
4) Vinyl Chloride	2.35	62	298615	49.432	ug/l	100
5) Bromomethane	2.77	94	203124	46.245	ug/l	96
6) Chloroethane	2.93	64	201123	49.687	ug/l	99
7) Trichlorofluoromethane	3.27	101	506932	49.838	ug/l	100
8) Diethyl Ether	3.70	74	94143	46.609	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.08	101	214726	50.974	ug/l	99
10) Methyl Iodide	4.29	142	221126	48.869	ug/l	100
11) Tert butyl alcohol	5.25	59	59642	258.900	ug/l	97
12) 1,1-Dichloroethene	4.06	96	201402	50.219	ug/l	98
13) Acrolein	3.92	56	78988	246.030	ug/l	99
14) Allyl chloride	4.71	41	310285	49.623	ug/l	99
15) Acrylonitrile	5.43	53	197954	235.284	ug/l	98
16) Acetone	4.16	43	225777	268.961	ug/l	95
17) Carbon Disulfide	4.40	76	638763	49.257	ug/l	100
18) Methyl Acetate	4.73	43	104486	46.171	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	427322	47.971	ug/l	96
20) Methylene Chloride	4.96	84	207650	50.566	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	226409	49.571	ug/l	98
22) Diisopropyl ether	6.37	45	597814	47.933	ug/l	94
23) Vinyl Acetate	6.31	43	1760031	248.774	ug/l	99
24) 1,1-Dichloroethane	6.26	63	370270	49.453	ug/l	100
25) 2-Butanone	7.22	43	271989	246.166	ug/l	97
26) 2,2-Dichloropropane	7.21	77	351816	50.539	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	241747	49.044	ug/l	100
28) Bromochloromethane	7.55	49	152593	52.428	ug/l	98
29) Tetrahydrofuran	7.57	42	161427	234.936	ug/l	100
30) Chloroform	7.71	83	383979	48.881	ug/l	95
31) Cyclohexane	7.98	56	360550	48.107	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	364360	49.382	ug/l	98
36) 1,1-Dichloropropene	8.11	75	318144	51.802	ug/l	99
37) Ethyl Acetate	7.30	43	121424	50.327	ug/l	99
38) Carbon Tetrachloride	8.10	117	342591	52.315	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122419\
 Data File : VD064587.D
 Acq On : 24 Dec 2019 13:20
 Operator : VA/SY
 Sample : VSTDICV050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 ICVVD122419

Manual Integrations
 APPROVED

apatel
 12/26/2019 11:14:21 AM

Quant Time: Dec 24 17:20:03 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	9.35	83	395245	53.135	ug/l	98
40) Benzene	8.35	78	849180	50.650	ug/l	96
41) Methacrylonitrile	7.53	41	70857	50.617	ug/l #	91
42) 1,2-Dichloroethane	8.43	62	234498	48.401	ug/l	99
43) Isopropyl Acetate	8.46	43	231685	48.245	ug/l	98
44) Trichloroethene	9.11	130	249277	50.612	ug/l	99
45) 1,2-Dichloropropane	9.39	63	201276	50.281	ug/l	95
46) Dibromomethane	9.48	93	110526	49.523	ug/l	96
47) Bromodichloromethane	9.66	83	290018	48.834	ug/l	94
48) Methyl methacrylate	9.46	41	107408	47.501	ug/l	92
49) 1,4-Dioxane	9.47	88	24125	937.461	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	579721	244.231	ug/l	99
52) Toluene	10.40	92	562764	51.162	ug/l	97
53) t-1,3-Dichloropropene	10.62	75	283423	51.188	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	334529	51.240	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	147544	49.055	ug/l	97
56) Ethyl methacrylate	10.66	69	185916	49.494	ug/l	99
57) 1,3-Dichloropropane	10.95	76	252245	48.708	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	337068	235.527	ug/l	99
59) 2-Hexanone	10.98	43	418599	259.829	ug/l	100
60) Dibromochloromethane	11.14	129	204860	49.253	ug/l	99
61) 1,2-Dibromoethane	11.25	107	145615	49.085	ug/l	99
64) Tetrachloroethene	10.87	164	222669	53.241	ug/l	98
65) Chlorobenzene	11.67	112	573447	50.683	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	225722	52.920	ug/l	97
67) Ethyl Benzene	11.74	91	1080018	52.590	ug/l	99
68) m/p-Xylenes	11.86	106	844462	106.535	ug/l	99
69) o-Xylene	12.18	106	377023	52.659	ug/l	99
70) Styrene	12.20	104	651343	51.828	ug/l	99
71) Bromoform	12.37	173	123254	50.671	ug/l #	99
73) Isopropylbenzene	12.48	105	1032159	52.569	ug/l	100
74) N-amyl acetate	12.29	43	215108	51.252	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	151353	49.071	ug/l	100
76) 1,2,3-Trichloropropane	12.78	75	119795m	55.215	ug/l	
77) Bromobenzene	12.77	156	244810	50.744	ug/l	98
78) n-propylbenzene	12.83	91	1215746	53.076	ug/l	99
79) 2-Chlorotoluene	12.91	91	643138	51.111	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	849941	52.698	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	51646	49.786	ug/l	99
82) 4-Chlorotoluene	13.01	91	688917	51.447	ug/l	99
83) tert-Butylbenzene	13.23	119	751647	53.675	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	849301	52.873	ug/l	97
85) sec-Butylbenzene	13.41	105	1036137	53.970	ug/l	99
86) p-Isopropyltoluene	13.53	119	976869	53.215	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	474425	51.585	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	464584	51.421	ug/l	100
89) n-Butylbenzene	13.85	91	902547	54.596	ug/l	100
90) Hexachloroethane	14.12	117	179938	51.314	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	397547	50.693	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	25224	50.447	ug/l	94

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD122419\
Data File : VD064587.D
Acq On : 24 Dec 2019 13:20
Operator : VA/SY
Sample : VSTDICV050
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
ICVVD122419

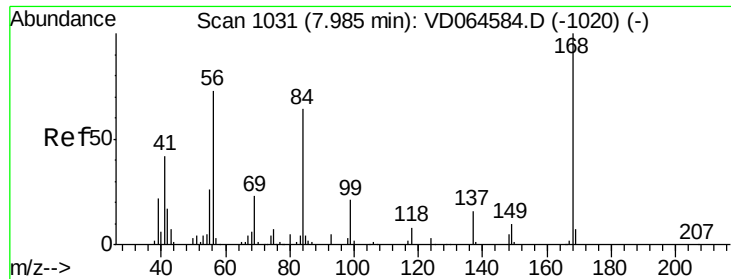
Manual Integrations
APPROVED

apatel
12/26/2019 11:14:21 AM

Quant Time: Dec 24 17:20:03 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 24 13:19:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	305604	52.924	ug/l	98
94) Hexachlorobutadiene	15.28	225	195274	53.740	ug/l	99
95) Naphthalene	15.41	128	478311	52.360	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	257738	52.284	ug/l	100

(#) = 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: VD064587.D

Acq: 24 Dec 2019 13:20

Instrument :

MSVOA_D

ClientSampleId :

ICVVD122419

Tot Ion:168 Resp: 455850

Ion Ratio Lower Upper

168 100

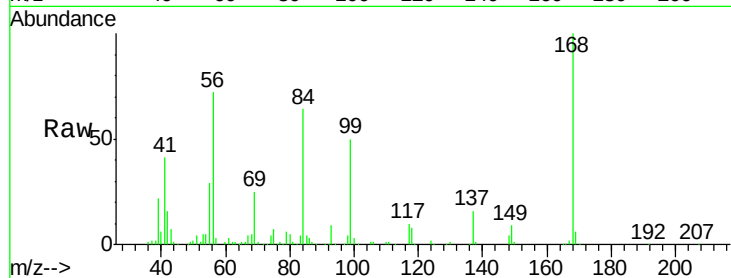
99 49.5 41.8 62.6

Manual Integrations

APPROVED

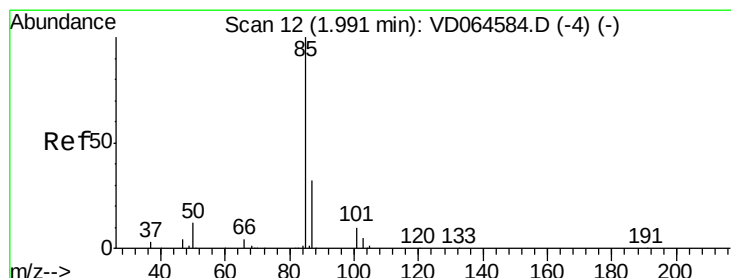
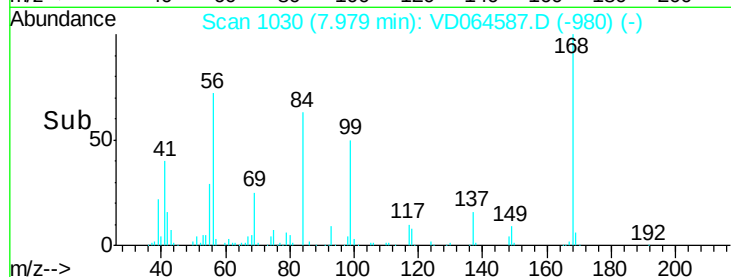
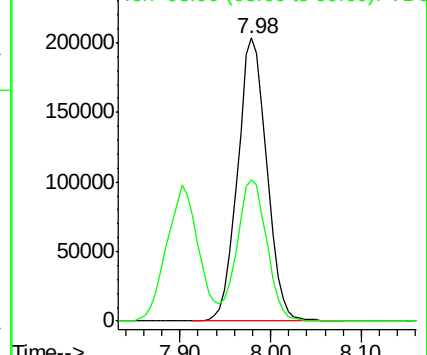
apatel

12/26/2019 11:14:21 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 50.657 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064587.D

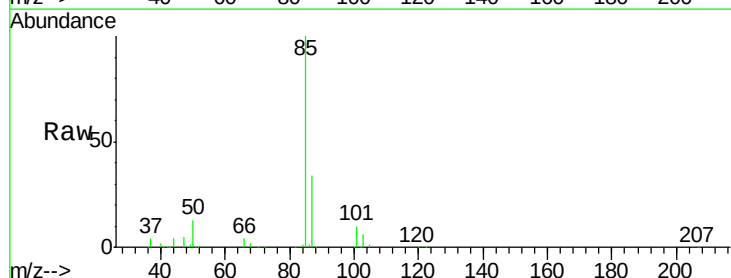
Acq: 24 Dec 2019 13:20

Tgt Ion: 85 Resp: 179459

Ion Ratio Lower Upper

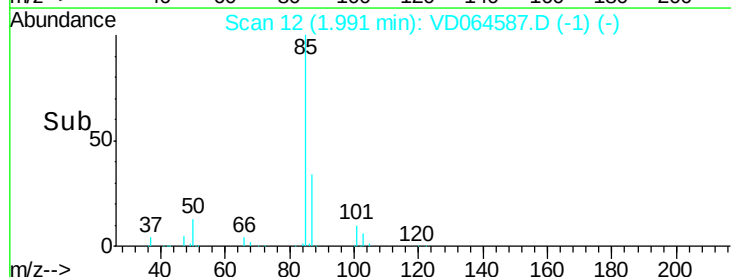
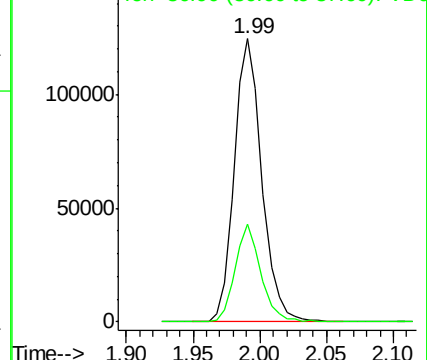
85 100

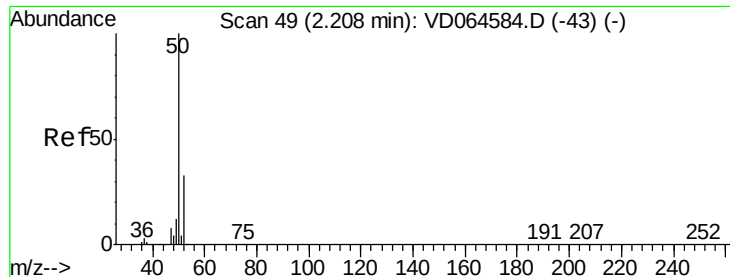
87 34.4 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 51.777 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064587.D

Acq: 24 Dec 2019 13:20

Instrument :

MSVOA_D

ClientSampleId :

ICVVD122419

Tot Ion: 50 Resp: 256534

Ion Ratio Lower Upper

50 100

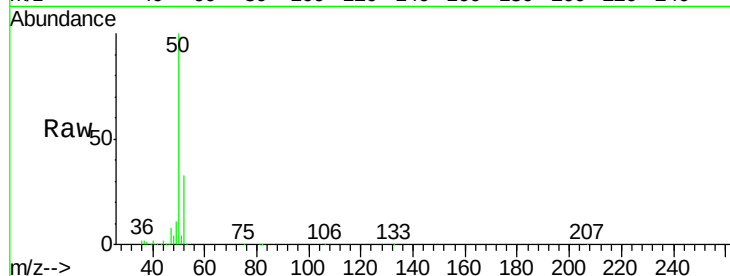
52 32.6 26.5 39.7

Manual Integrations

APPROVED

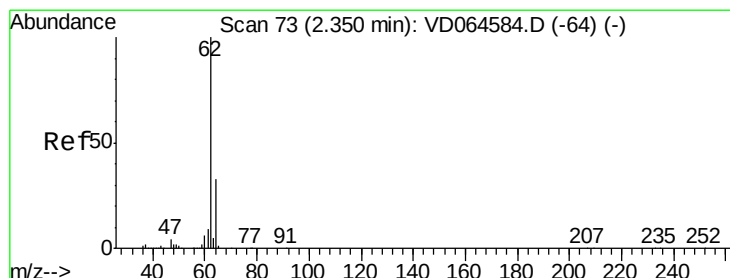
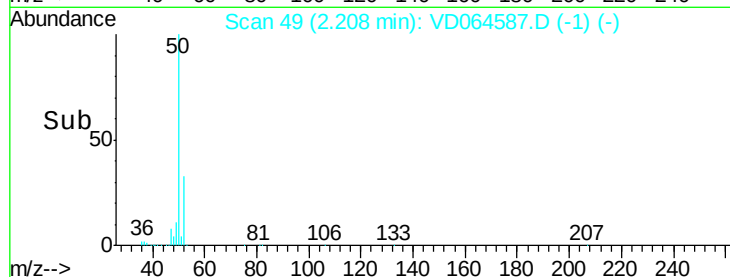
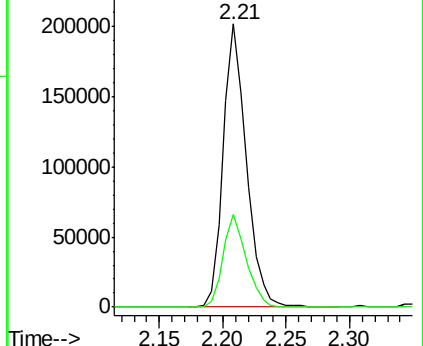
apatel

12/26/2019 11:14:21 AM



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 49.432 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064587.D

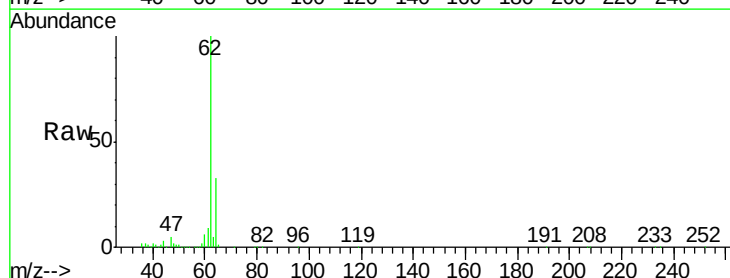
Acq: 24 Dec 2019 13:20

Tgt Ion: 62 Resp: 298615

Ion Ratio Lower Upper

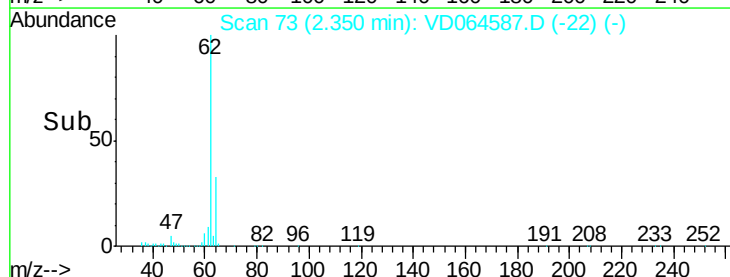
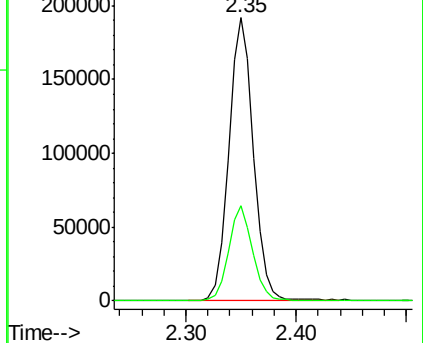
62 100

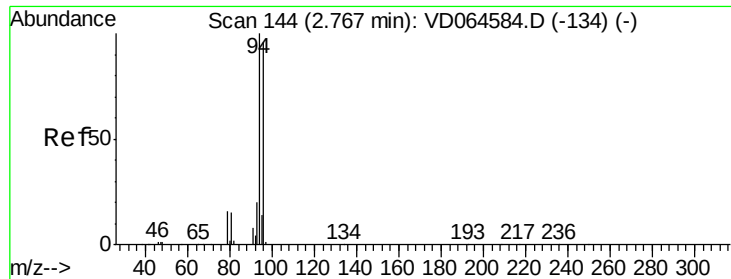
64 33.4 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 46.245 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD064587.D

Acq: 24 Dec 2019 13:20

Instrument :

MSVOA_D

ClientSampleId :

ICVVD122419

Tot Ion: 94 Resp: 203124

Ion Ratio Lower Upper

94 100

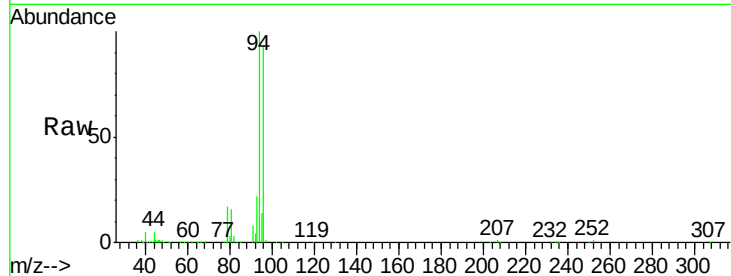
96 93.0 77.2 115.8

Manual Integrations

APPROVED

apatel

12/26/2019 11:14:21 AM



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

100000

80000

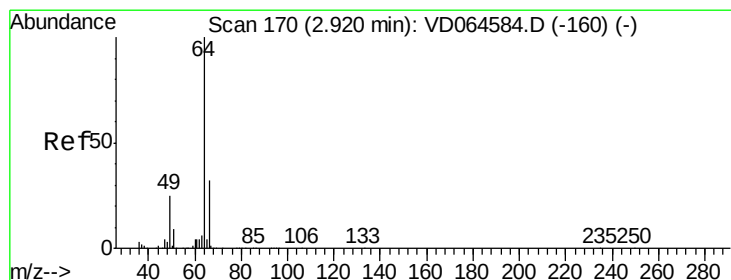
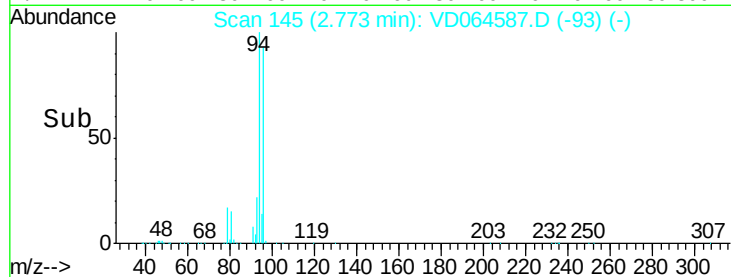
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 49.687 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD064587.D

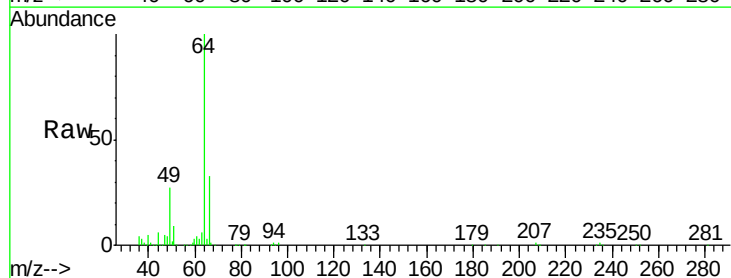
Acq: 24 Dec 2019 13:20

Tgt Ion: 64 Resp: 201123

Ion Ratio Lower Upper

64 100

66 32.9 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.93

100000

80000

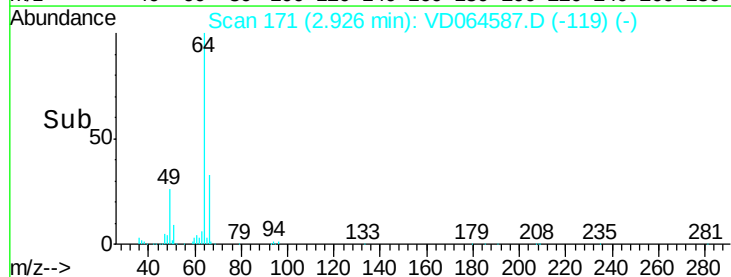
60000

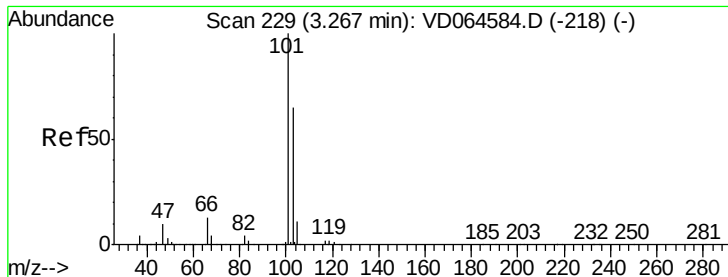
40000

20000

0

Time-->





#7

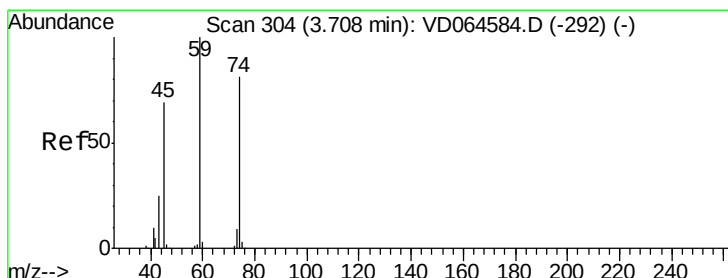
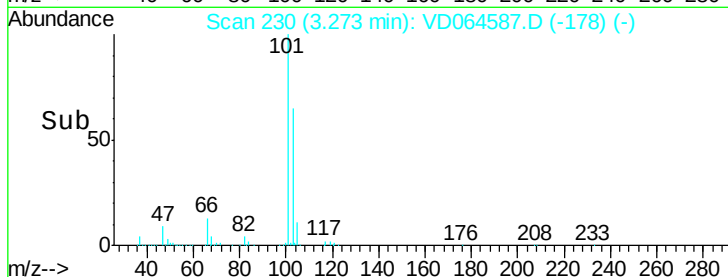
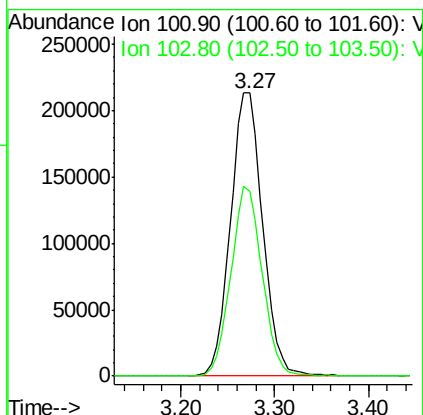
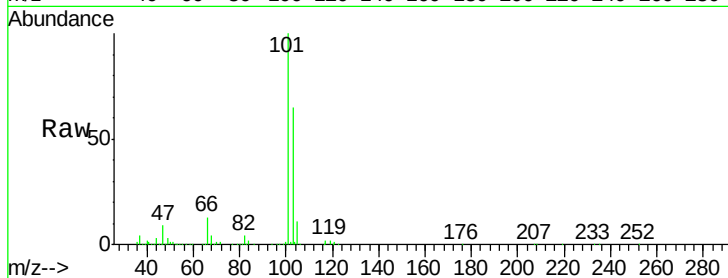
Trichlorofluoromethane
 Concen: 49.838 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.01 min
 Lab File: VD064587.D
 Acq: 24 Dec 2019 13:20

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD122419

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.1	52.2	78.4

Manual Integrations
 APPROVED

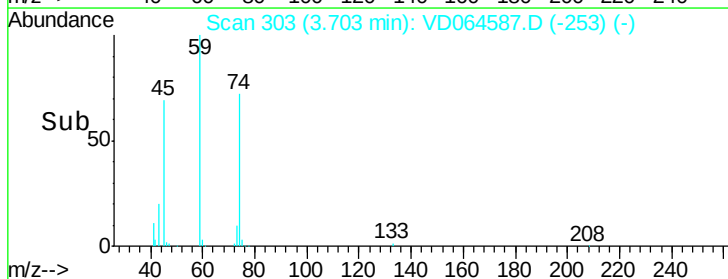
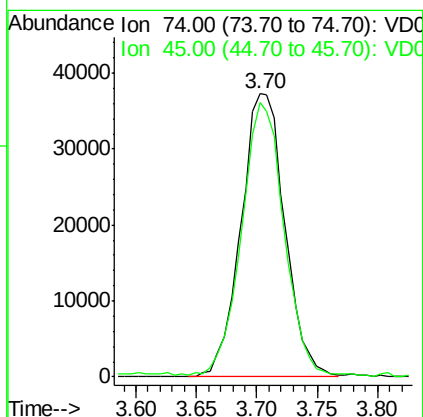
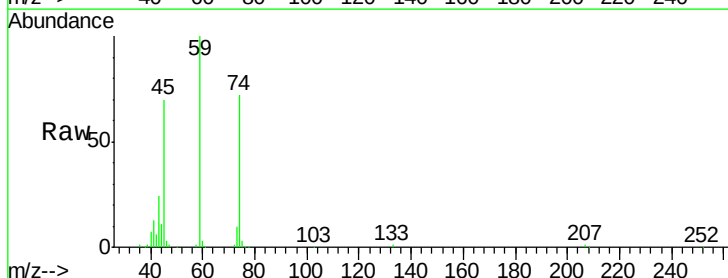
apatel
 12/26/2019 11:14:21 AM

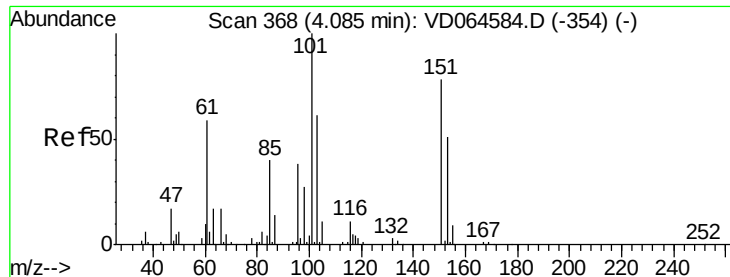


#8

Diethyl Ether
 Concen: 46.609 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD064587.D
 Acq: 24 Dec 2019 13:20

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.8	47.5	142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.974 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD064587.D

Acq: 24 Dec 2019 13:20

Instrument :

MSVOA_D

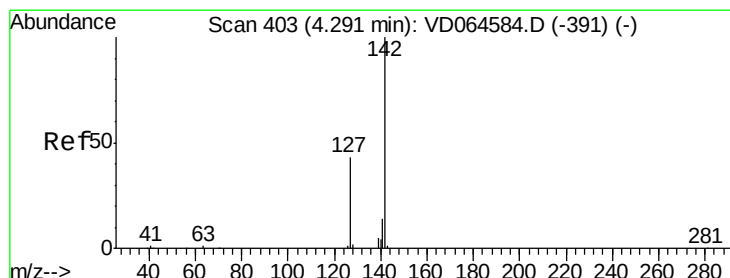
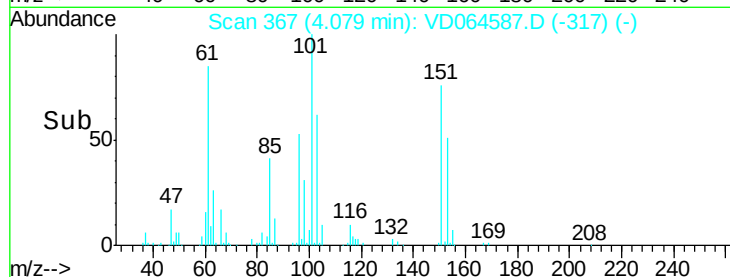
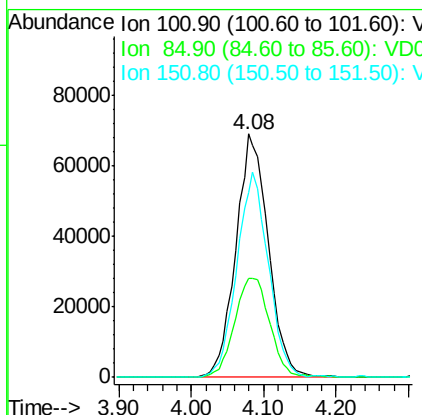
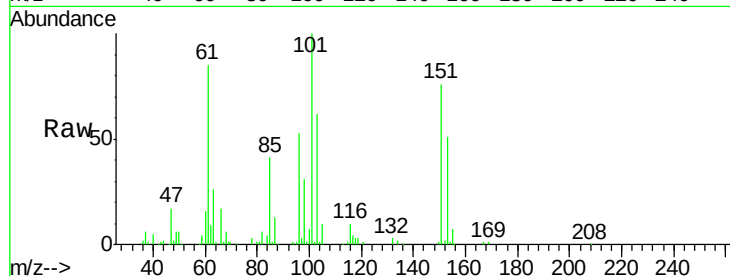
ClientSampleId :

ICVVD122419

Tot Ion:	101	Resp:	214726
Ion Ratio	Lower	Upper	
101	100		
85	44.1	35.2	52.8
151	81.9	66.2	99.4

Manual Integrations
APPROVED

apatel
12/26/2019 11:14:21 AM



#10

Methyl Iodide

Concen: 48.869 ug/l

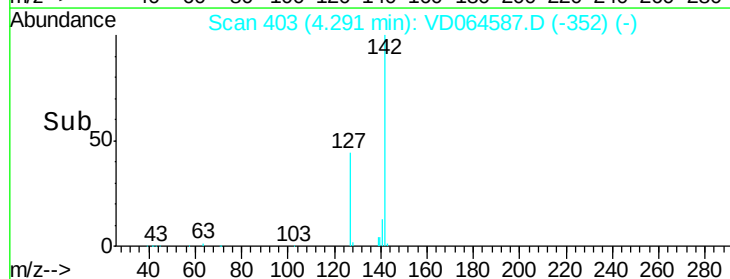
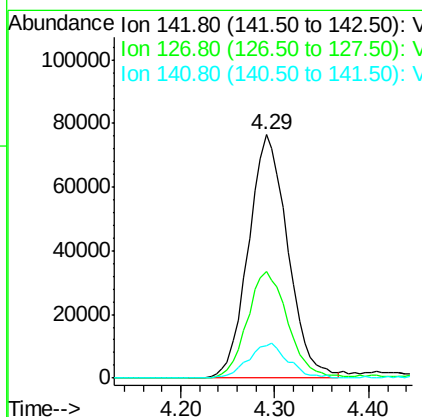
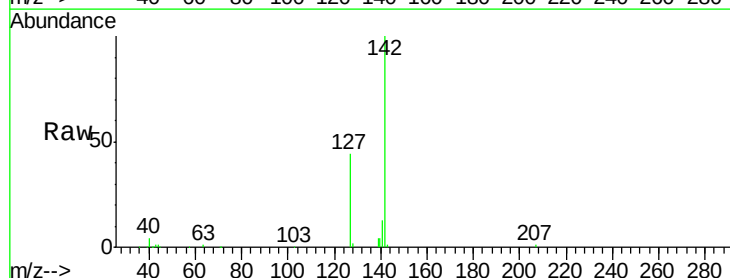
RT: 4.29 min Scan# 403

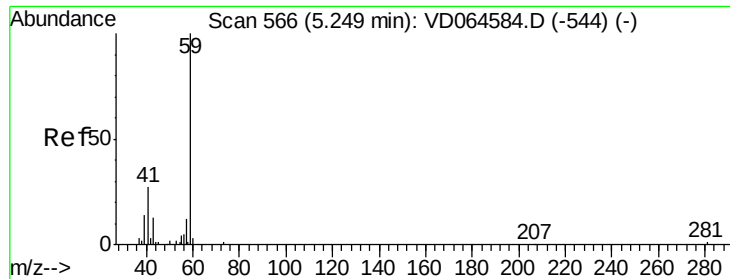
Delta R.T. 0.00 min

Lab File: VD064587.D

Acq: 24 Dec 2019 13:20

Tgt Ion:	142	Resp:	221126
Ion Ratio	Lower	Upper	
142	100		
127	45.1	36.2	54.4
141	14.5	11.8	17.8





#11

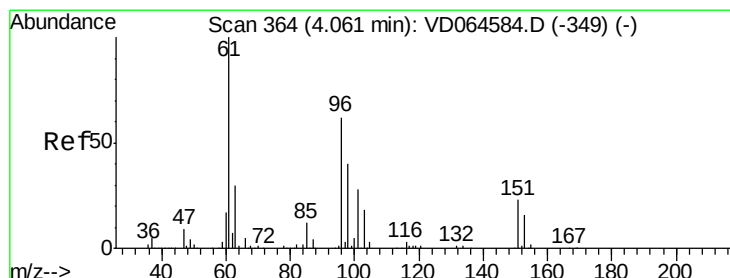
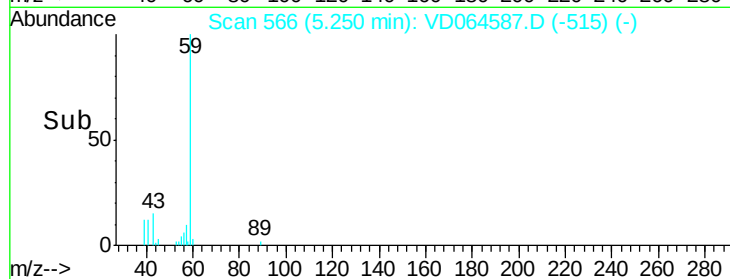
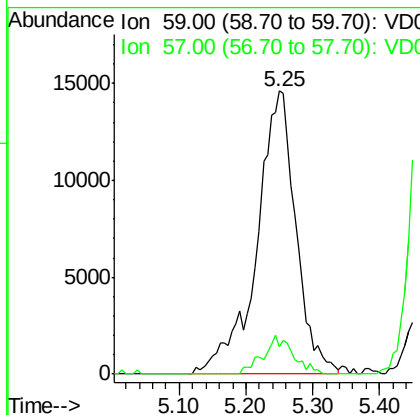
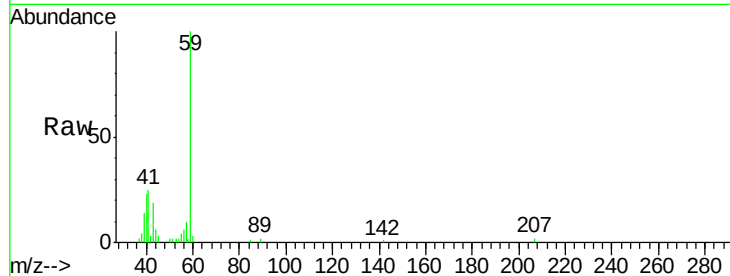
Tert butyl alcohol
 Concen: 258.900 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. 0.00 min
 Lab File: VD064587.D
 Acq: 24 Dec 2019 13:20

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD122419

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	9.3	13.9

Manual Integrations
 APPROVED

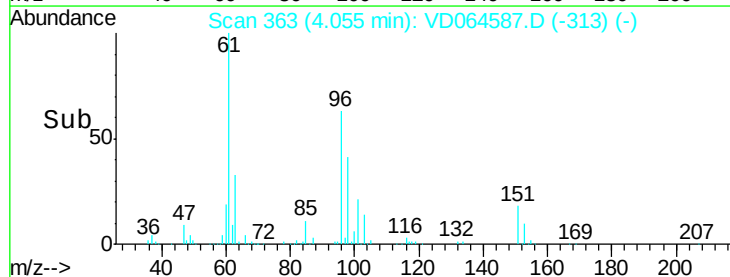
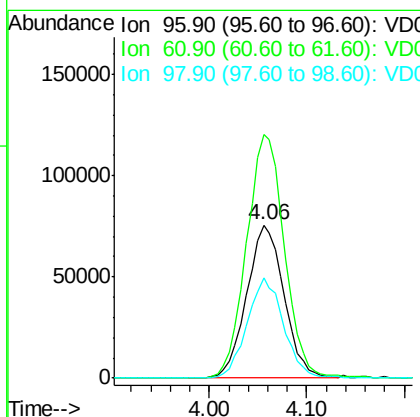
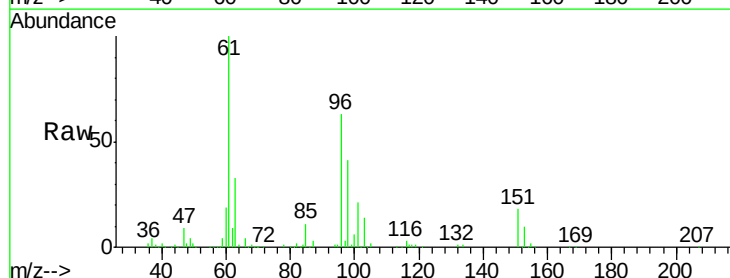
apatel
 12/26/2019 11:14:21 AM

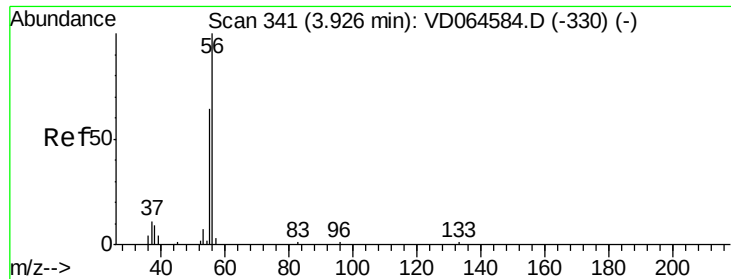


#12

1,1-Dichloroethene
 Concen: 50.219 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. -0.01 min
 Lab File: VD064587.D
 Acq: 24 Dec 2019 13:20

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.8	129.4	194.0
98	65.6	51.4	77.0





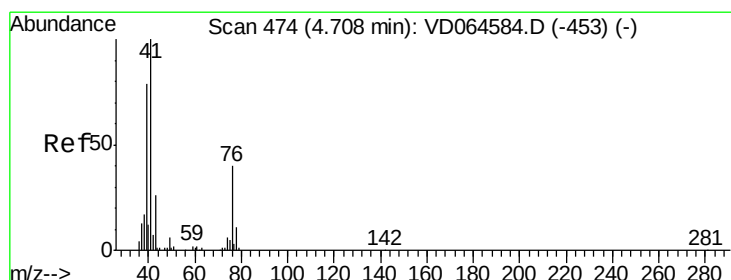
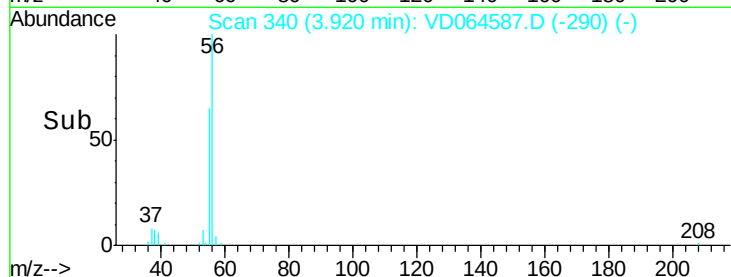
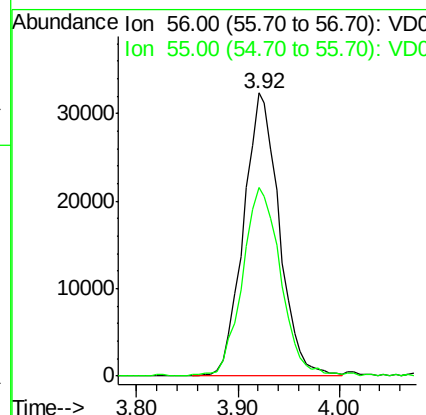
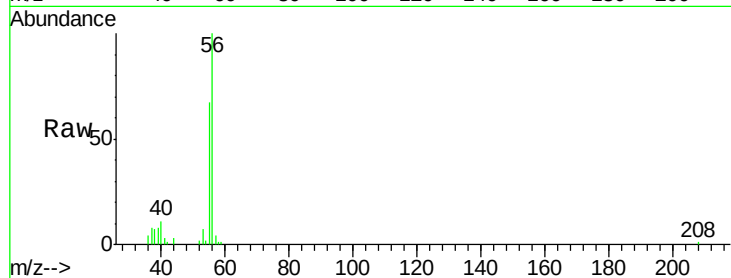
#13
Acrolein
Concen: 246.030 ug/l
RT: 3.92 min Scan# 340
Delta R.T. -0.01 min
Lab File: VD064587.D
Acq: 24 Dec 2019 13:20

Instrument :
MSVOA_D
ClientSampleId :
ICVVD122419

Tot Ion	56	Resp	78988
Ion Ratio	100	Lower	Upper
55	71.4	56.7	85.1

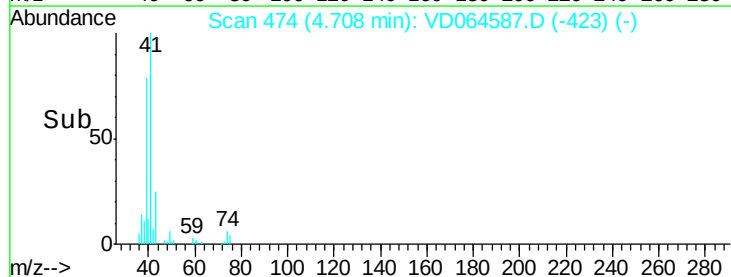
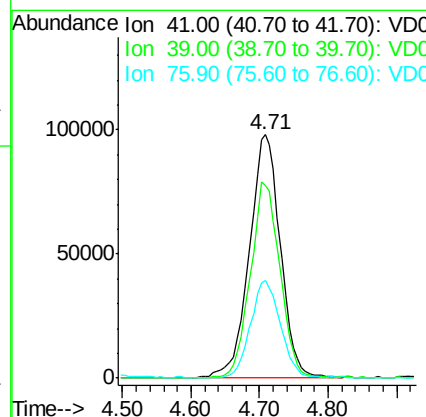
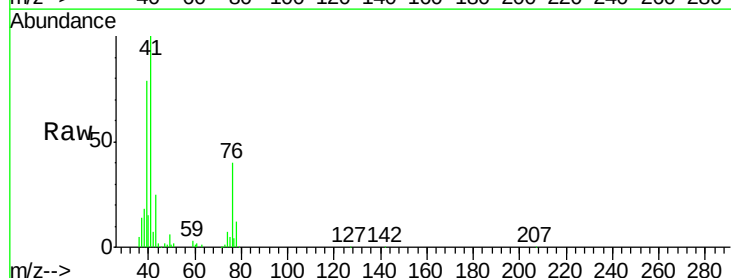
Manual Integrations
APPROVED

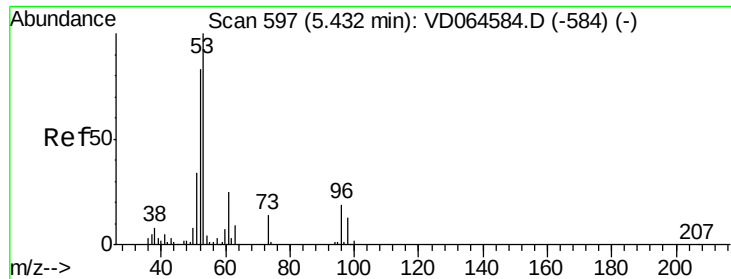
apatel
12/26/2019 11:14:21 AM



#14
Allyl chloride
Concen: 49.623 ug/l
RT: 4.71 min Scan# 474
Delta R.T. 0.00 min
Lab File: VD064587.D
Acq: 24 Dec 2019 13:20

Tgt Ion	41	Resp	310285
Ion Ratio	100	Lower	Upper
39	76.9	62.3	93.5
76	37.9	29.7	44.5





#15

Acrylonitrile

Concen: 235.284 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064587.D

Acq: 24 Dec 2019 13:20

Instrument :

MSVOA_D

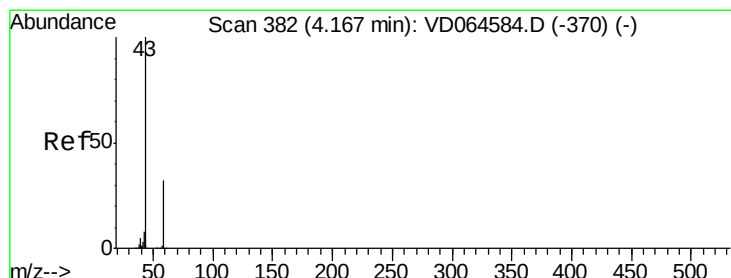
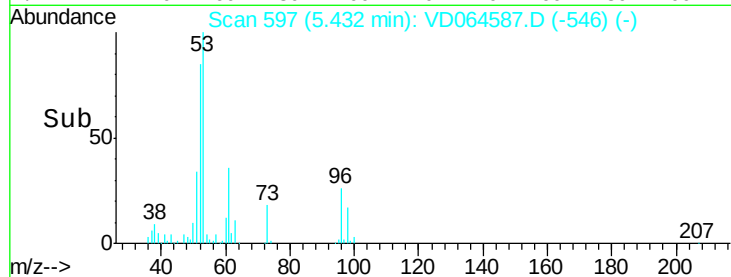
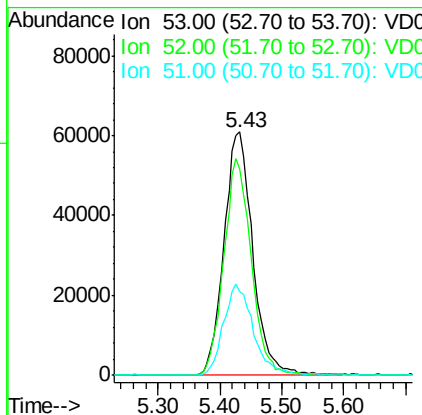
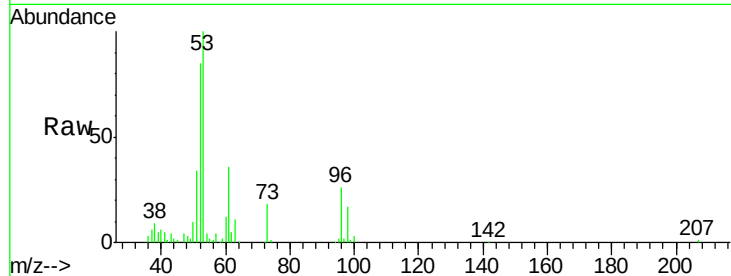
ClientSampleId :

ICVVD122419

Tot Ion:	53	Resp:	197954
Ion	Ratio	Lower	Upper
53	100		
52	84.5	66.2	99.2
51	38.5	30.1	45.1

Manual Integrations
APPROVED

apatel
12/26/2019 11:14:21 AM



#16

Acetone

Concen: 268.961 ug/l

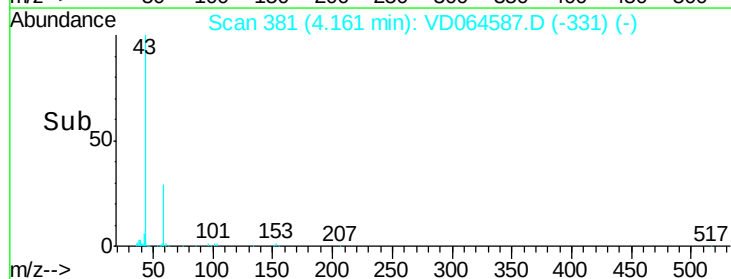
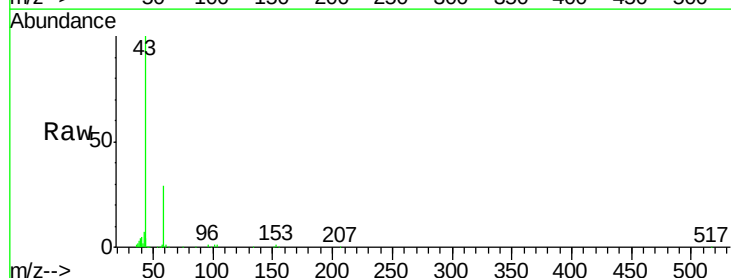
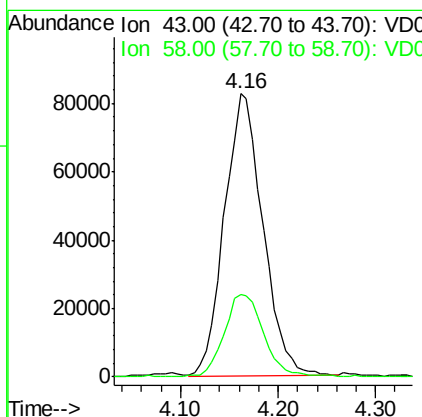
RT: 4.16 min Scan# 381

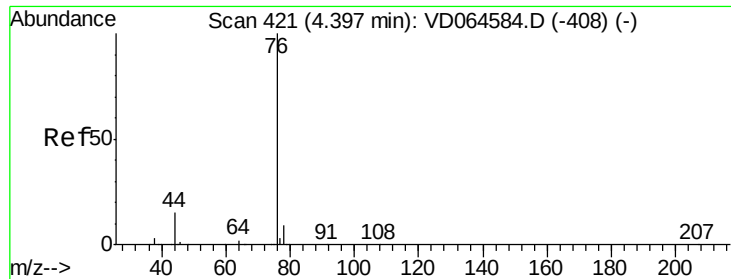
Delta R.T. -0.01 min

Lab File: VD064587.D

Acq: 24 Dec 2019 13:20

Tgt Ion:	43	Resp:	225777
Ion	Ratio	Lower	Upper
43	100		
58	29.2	25.8	38.6





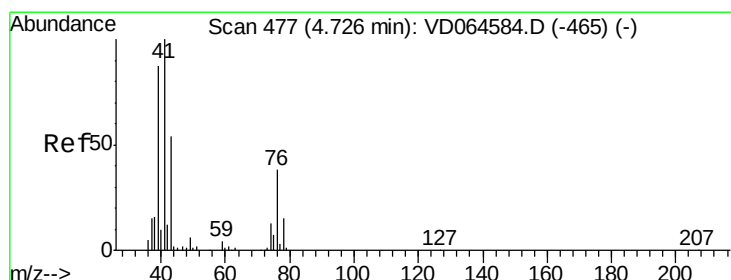
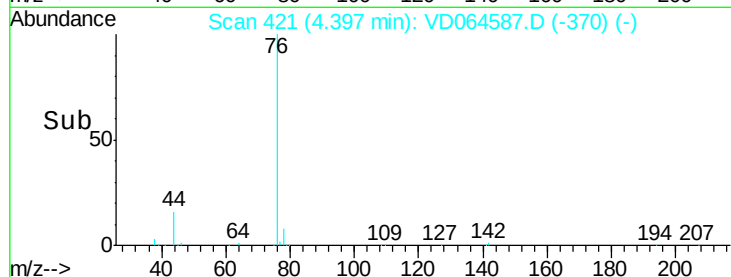
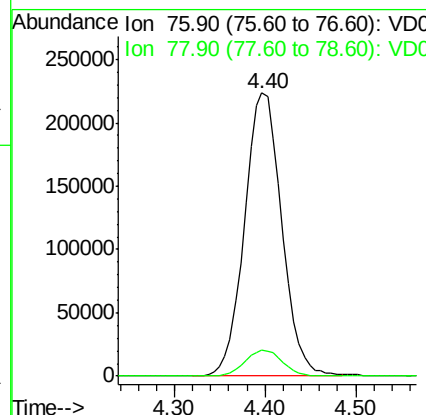
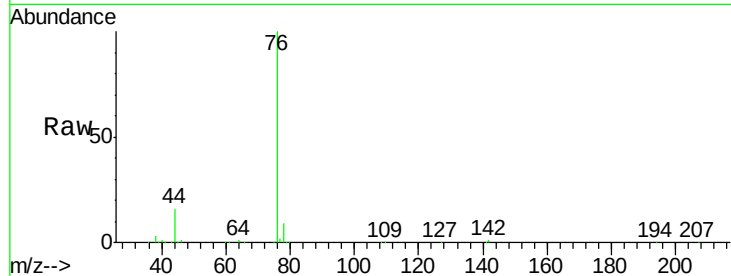
#17
Carbon Disulfide
Concen: 49.257 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.00 min
Lab File: VD064587.D
Acq: 24 Dec 2019 13:20

Instrument :
MSVOA_D
ClientSampleId :
ICVVD122419

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9

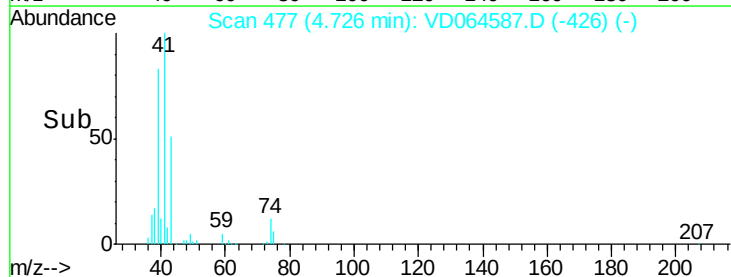
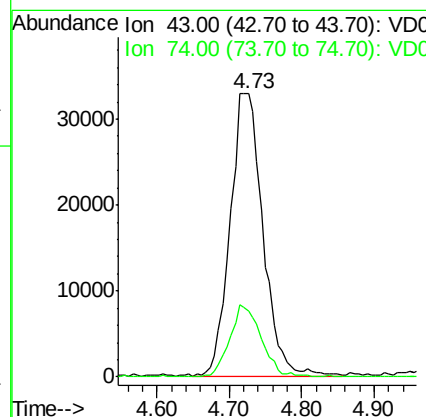
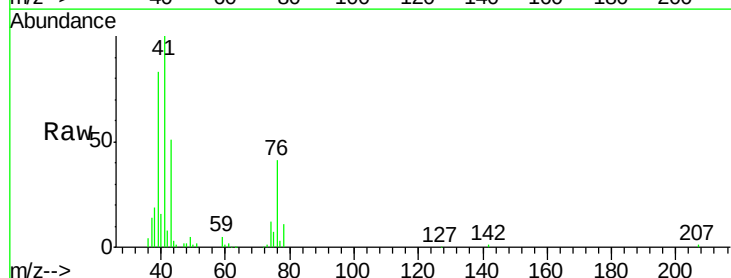
Manual Integrations
APPROVED

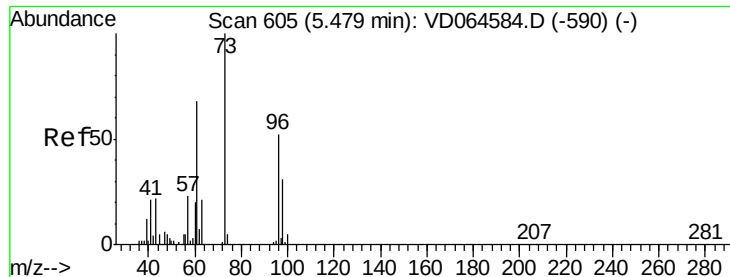
apatel
12/26/2019 11:14:21 AM



#18
Methyl Acetate
Concen: 46.171 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD064587.D
Acq: 24 Dec 2019 13:20

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.2	19.2	28.8





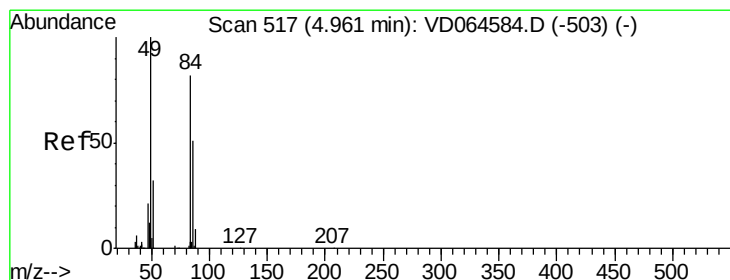
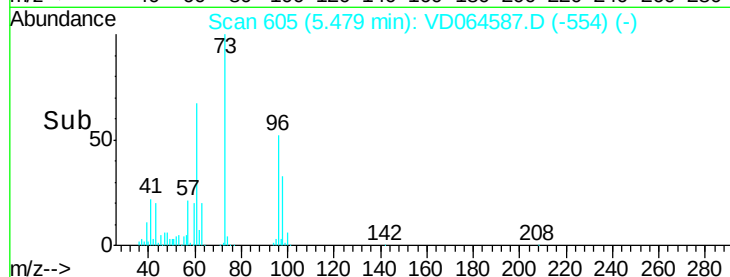
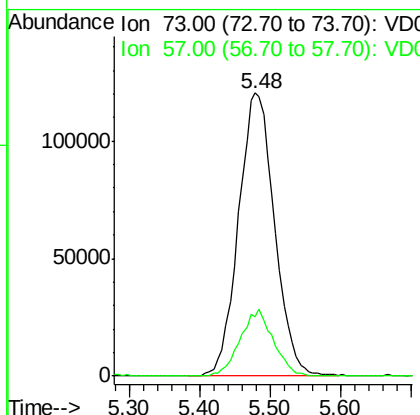
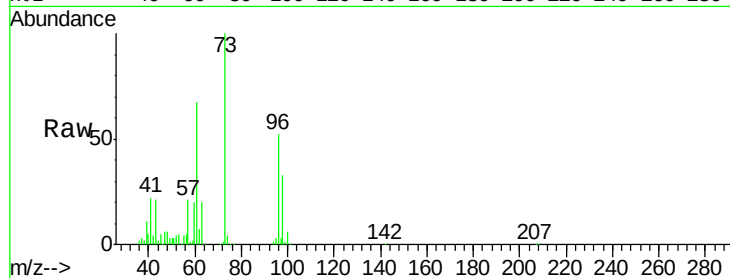
#19
Methyl tert-butyl Ether
Concen: 47.971 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.00 min
Lab File: VD064587.D
Acq: 24 Dec 2019 13:20

Instrument :
MSVOA_D
ClientSampleId :
ICVVD122419

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.1	18.6	27.8

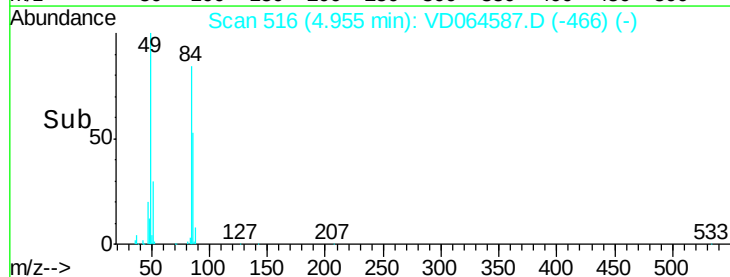
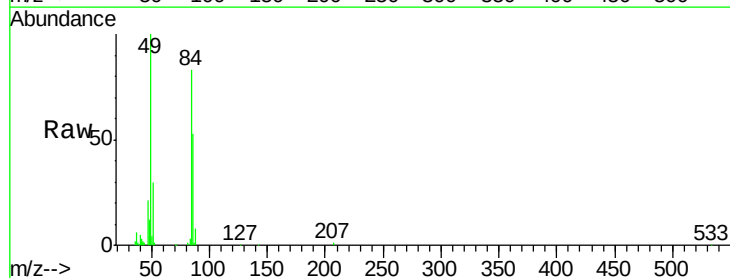
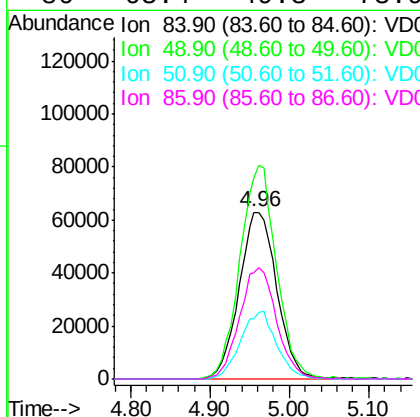
Manual Integrations
APPROVED

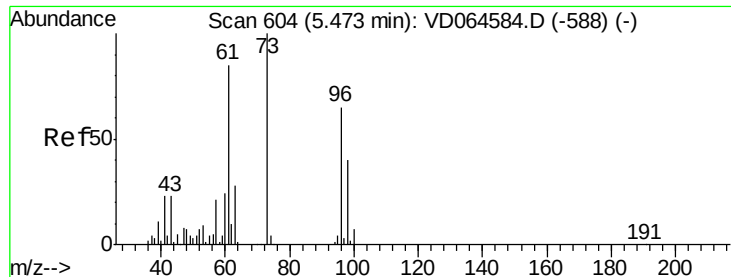
apatel
12/26/2019 11:14:21 AM



#20
Methylene Chloride
Concen: 50.566 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD064587.D
Acq: 24 Dec 2019 13:20

Tgt Ion	Ratio	Lower	Upper
84	100		
49	120.2	97.2	145.8
51	36.2	31.4	47.0
86	63.4	49.3	73.9





#21

trans-1,2-Dichloroethene

Concen: 49.571 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064587.D

Acq: 24 Dec 2019 13:20

Instrument :

MSVOA_D

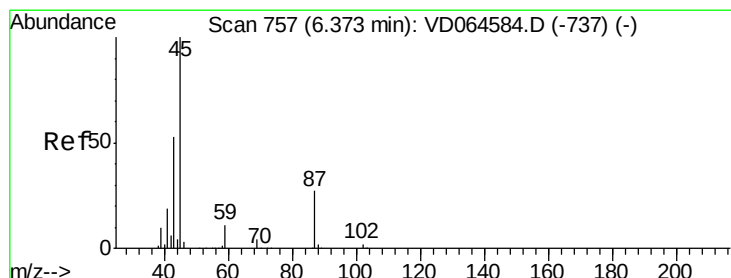
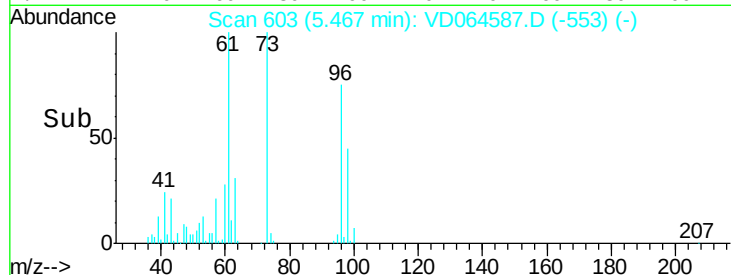
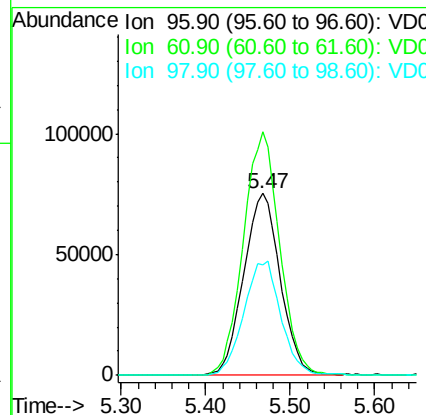
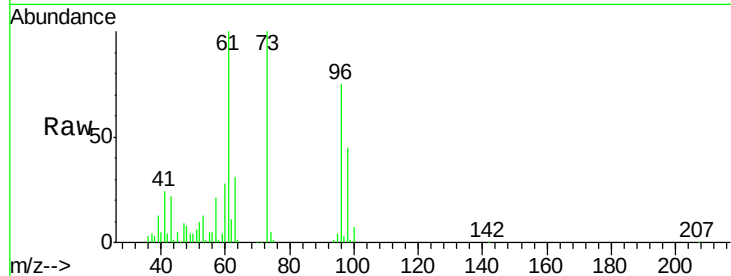
ClientSampleId :

ICVVD122419

Tot Ion:	96	Resp:	226409
Ion	Ratio	Lower	Upper
96	100		
61	133.4	104.7	157.1
98	60.5	49.4	74.2

Manual Integrations
APPROVED

apatel
12/26/2019 11:14:21 AM



#22

Diisopropyl ether

Concen: 47.933 ug/l

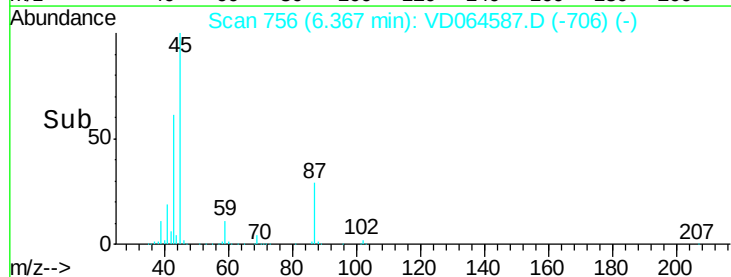
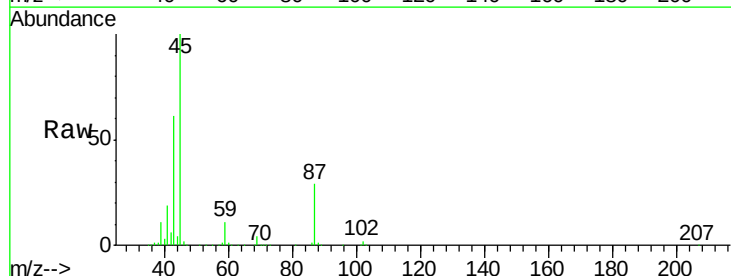
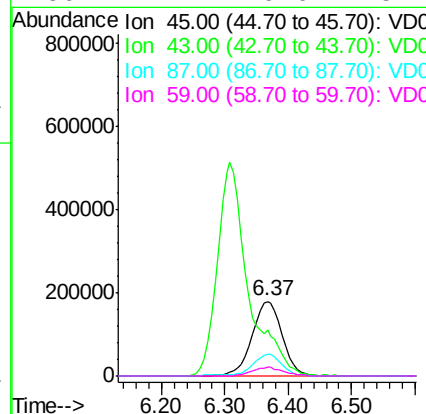
RT: 6.37 min Scan# 756

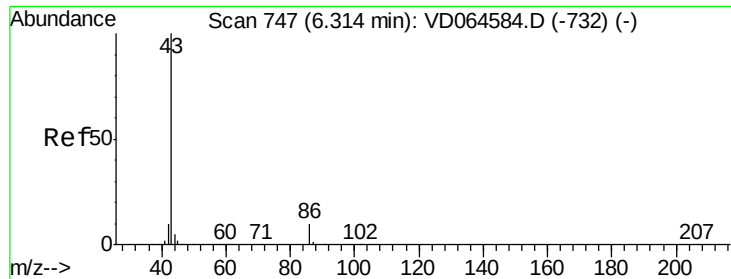
Delta R.T. -0.01 min

Lab File: VD064587.D

Acq: 24 Dec 2019 13:20

Tgt Ion:	45	Resp:	597814
Ion	Ratio	Lower	Upper
45	100		
43	60.2	43.2	64.8
87	28.5	21.9	32.9
59	11.4	9.0	13.4





#23

Vinyl Acetate

Concen: 248.774 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064587.D

Acq: 24 Dec 2019 13:20

Instrument :

MSVOA_D

ClientSampleID :

ICVVD122419

Tot Ion: 43 Resp: 1760031

Ion Ratio Lower Upper

43 100

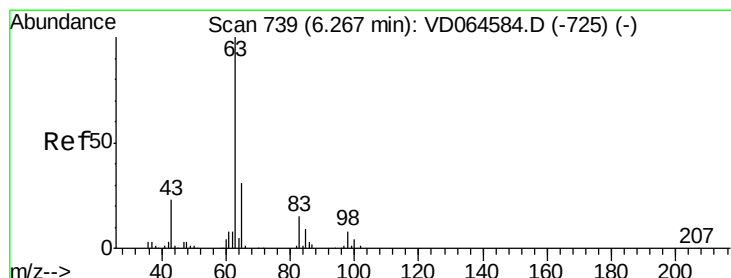
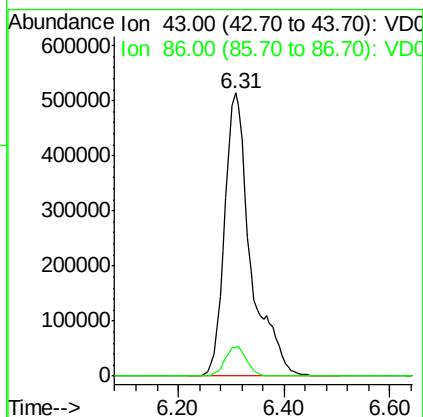
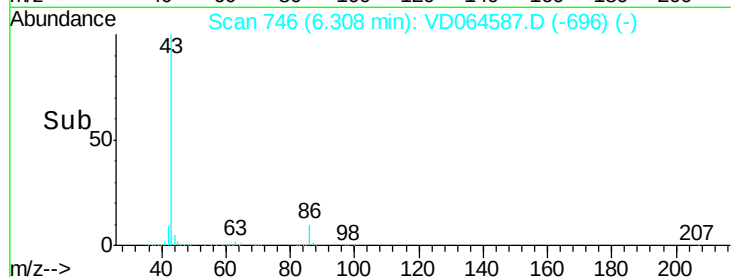
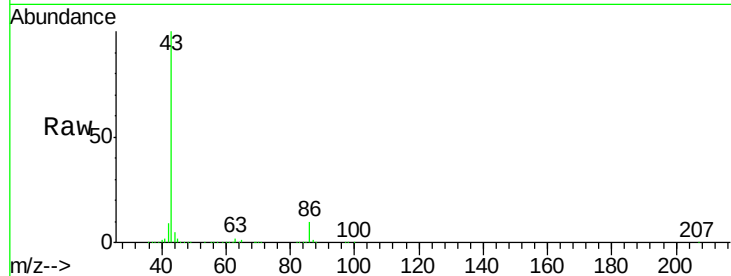
86 10.1 8.3 12.5

Manual Integrations

APPROVED

apatel

12/26/2019 11:14:21 AM



#24

1,1-Dichloroethane

Concen: 49.453 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064587.D

Acq: 24 Dec 2019 13:20

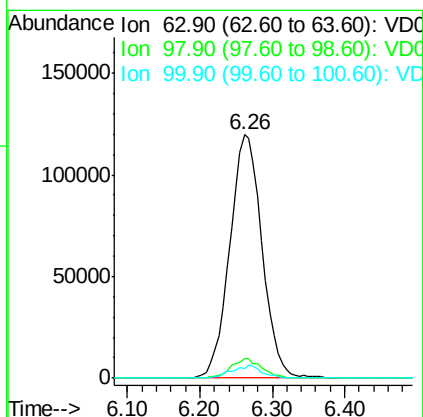
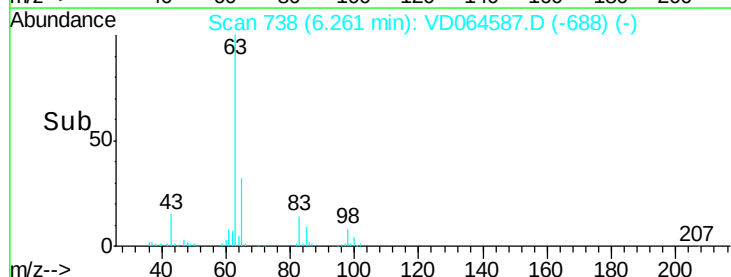
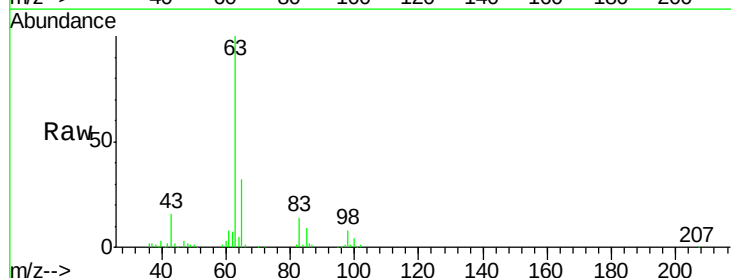
Tgt Ion: 63 Resp: 370270

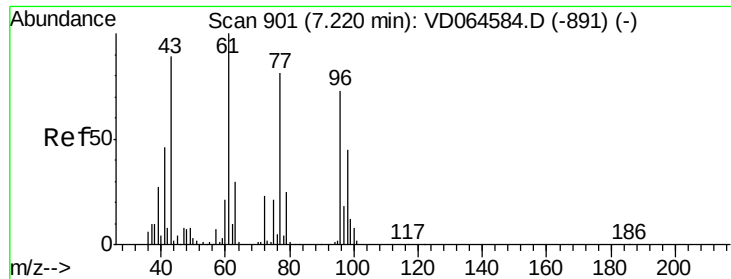
Ion Ratio Lower Upper

63 100

98 8.2 4.1 12.3

100 4.0 2.2 6.6





#25

2-Butanone

Concen: 246.166 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064587.D

Acq: 24 Dec 2019 13:20

Instrument :

MSVOA_D

ClientSampleId :

ICVVD122419

Tot Ion: 43 Resp: 271989

Ion Ratio Lower Upper

43 100

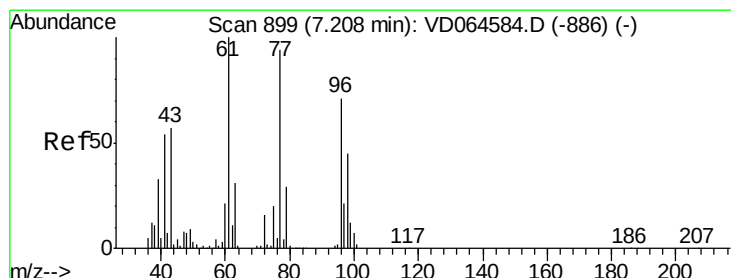
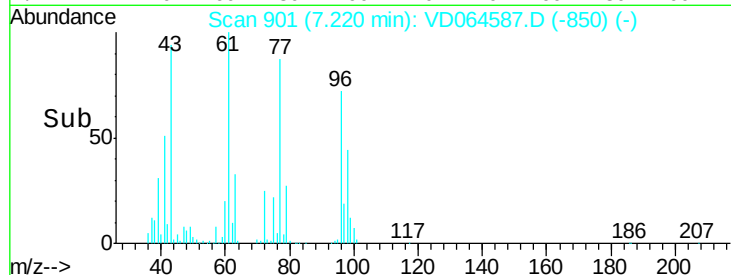
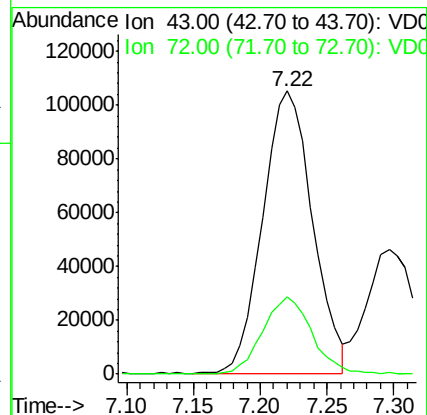
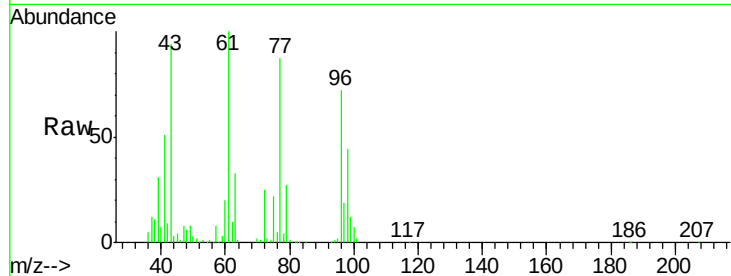
72 27.2 20.7 31.1

Manual Integrations

APPROVED

apatel

12/26/2019 11:14:21 AM



#26

2,2-Dichloropropane

Concen: 50.539 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064587.D

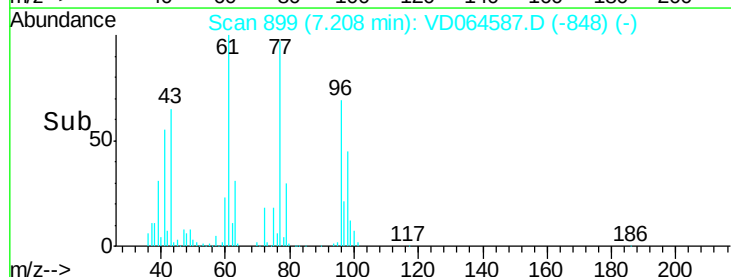
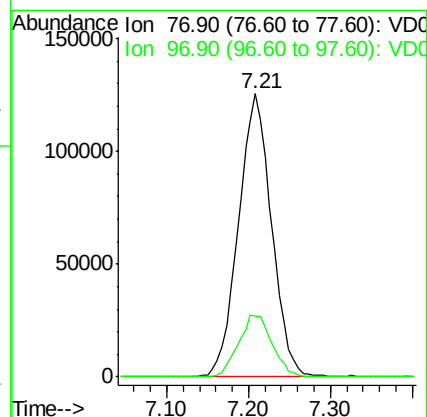
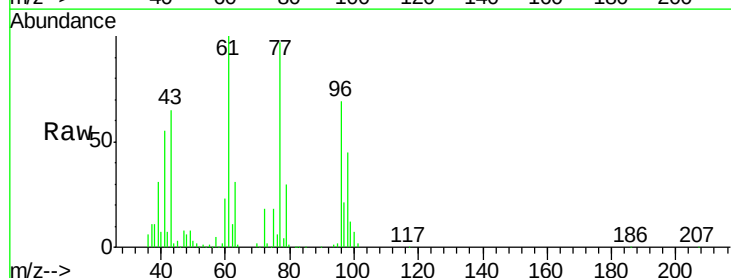
Acq: 24 Dec 2019 13:20

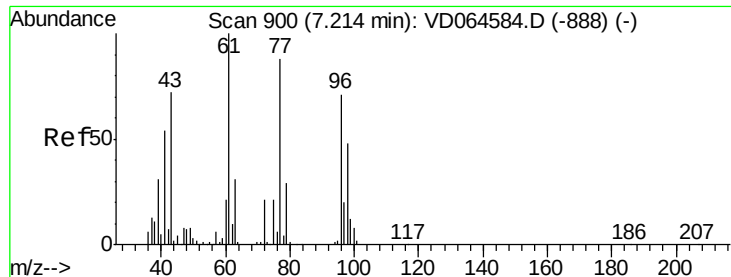
Tgt Ion: 77 Resp: 351816

Ion Ratio Lower Upper

77 100

97 22.3 11.2 33.6





#27

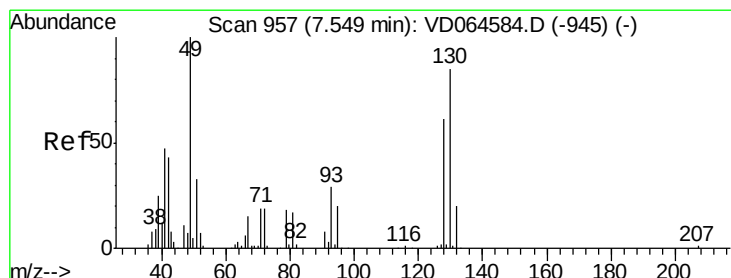
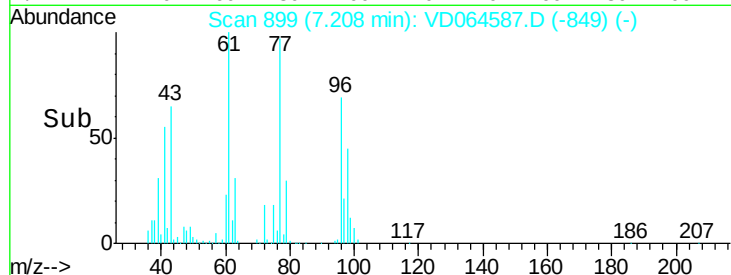
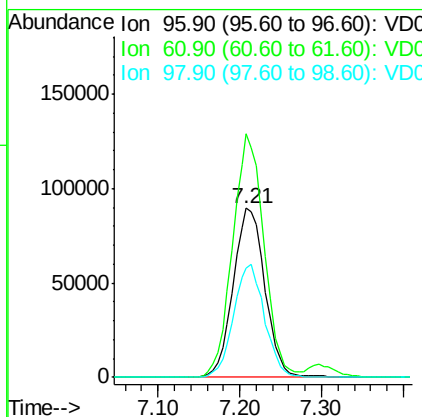
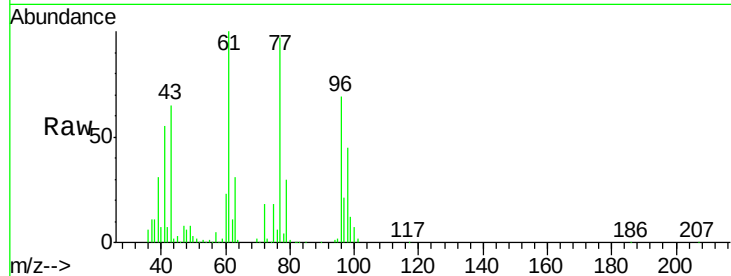
cis-1,2-Dichloroethene
Concen: 49.044 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD064587.D
Acq: 24 Dec 2019 13:20

Instrument :
MSVOA_D
ClientSampleId :
ICVVD122419

Tot Ion	Ratio	Resp	Lower	Upper
96	100	241747		
61	142.1	0.0	282.6	
98	65.3	0.0	130.8	

Manual Integrations
APPROVED

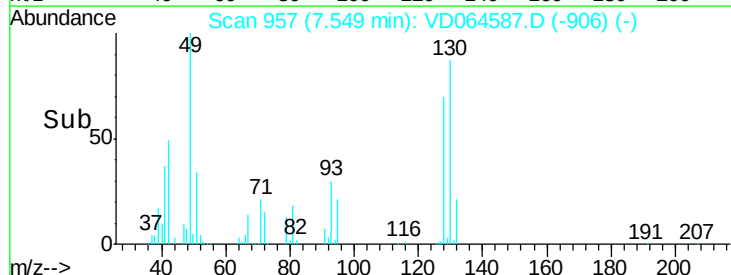
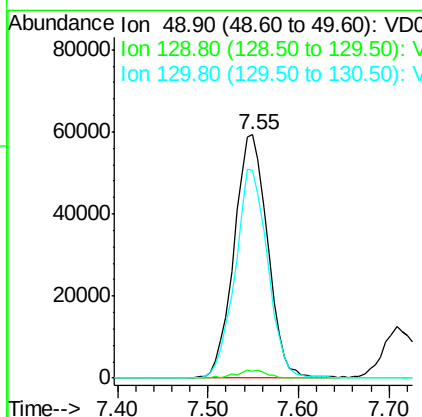
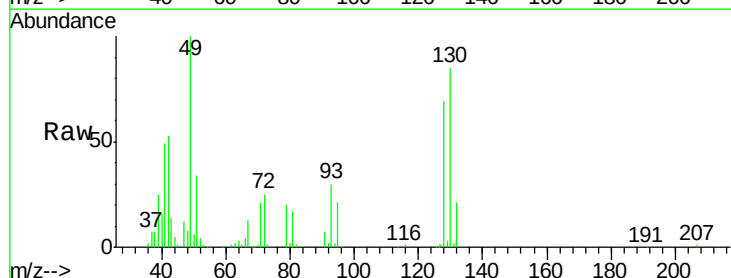
apatel
12/26/2019 11:14:21 AM

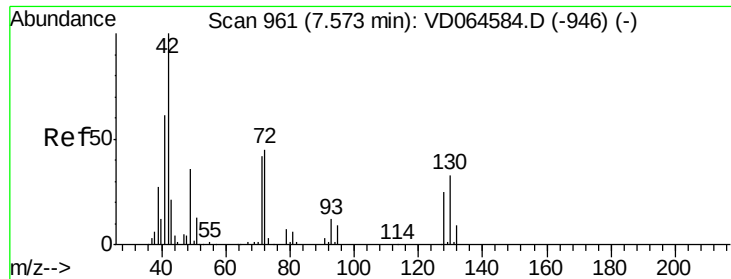


#28

Bromochloromethane
Concen: 52.428 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD064587.D
Acq: 24 Dec 2019 13:20

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	152593		
129	2.7	0.0	4.8	
130	83.0	65.0	97.6	





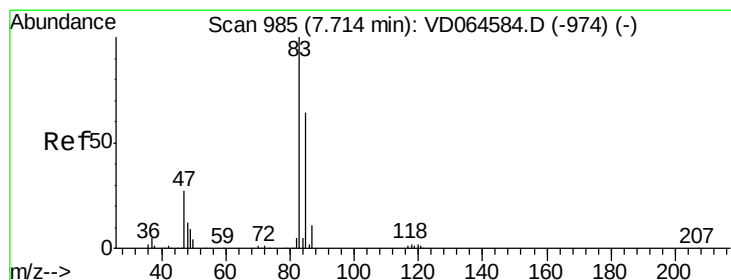
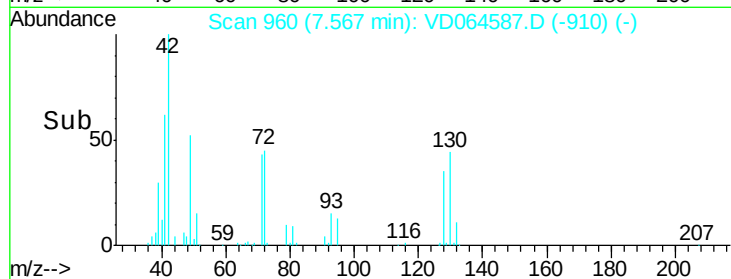
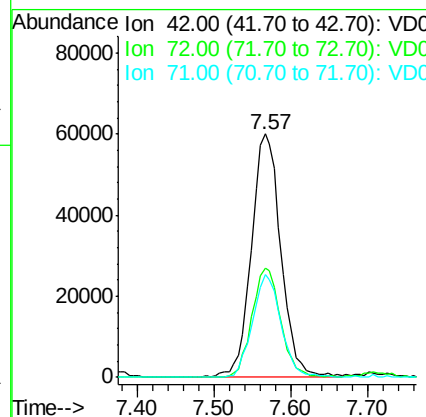
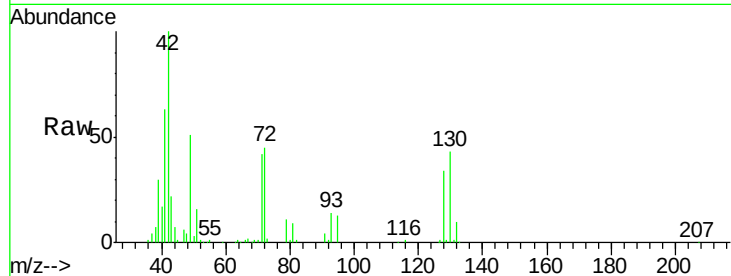
#29
Tetrahydrofuran
Concen: 234.936 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD064587.D
Acq: 24 Dec 2019 13:20

Instrument :
MSVOA_D
ClientSampleId :
ICVVD122419

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.7	35.0	52.4
71	40.7	32.9	49.3

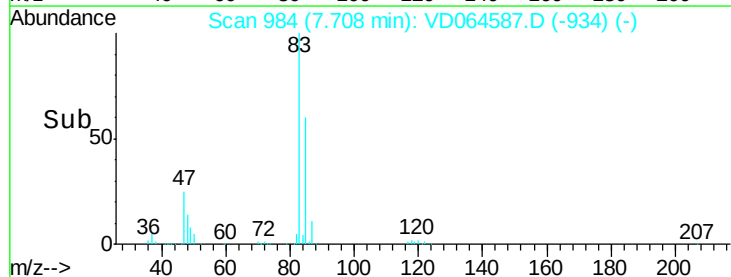
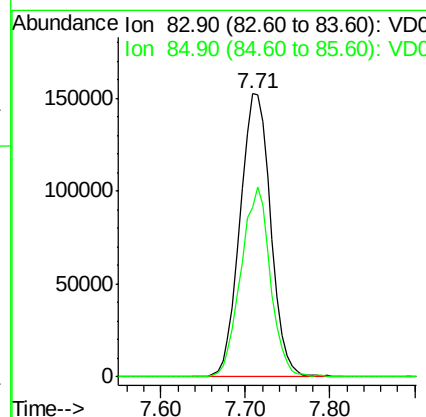
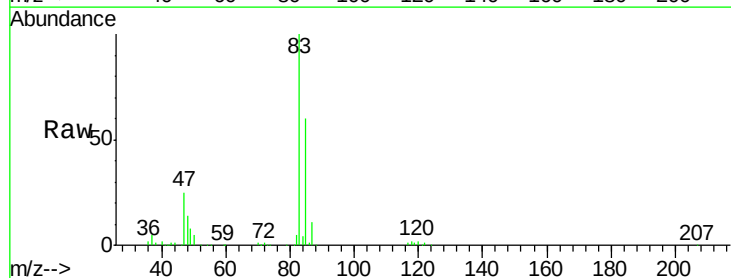
Manual Integrations
APPROVED

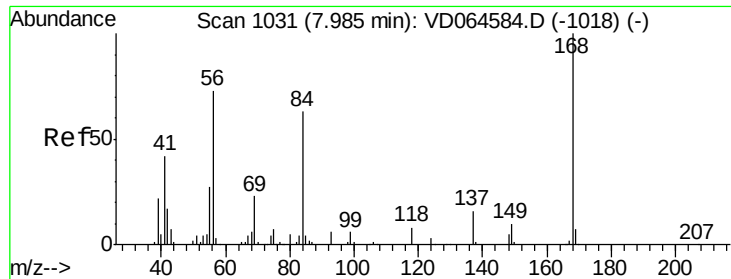
apatel
12/26/2019 11:14:21 AM



#30
Chloroform
Concen: 48.881 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD064587.D
Acq: 24 Dec 2019 13:20

Tgt Ion	Ratio	Lower	Upper
83	100		
85	59.9	51.1	76.7





#31

Cyclohexane

Concen: 48.107 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064587.D

Acq: 24 Dec 2019 13:20

Instrument :

MSVOA_D

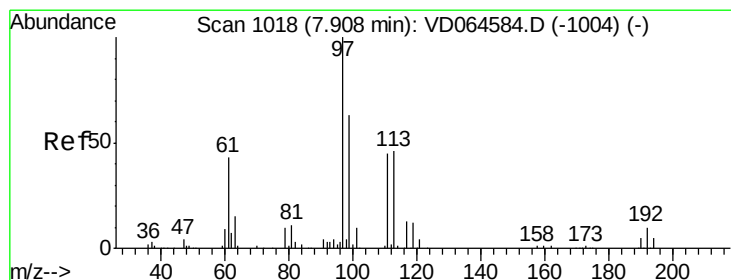
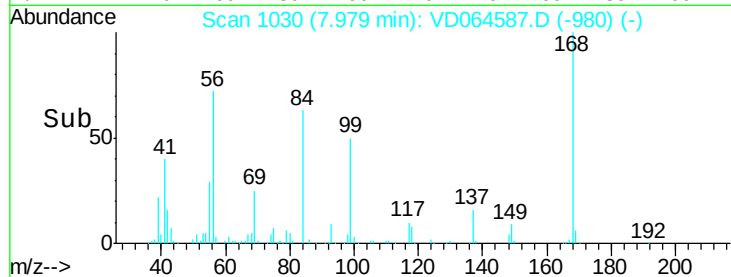
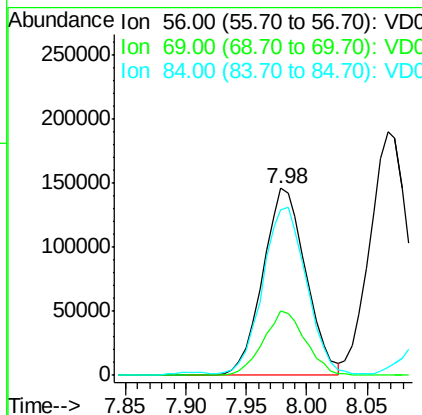
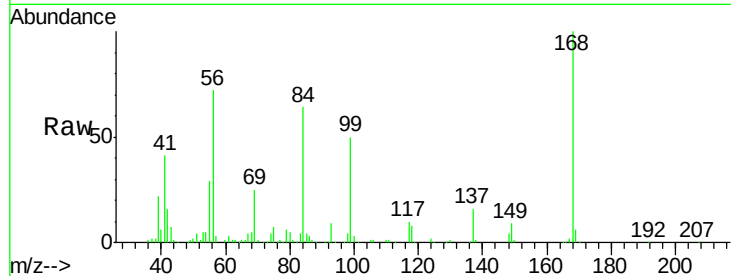
ClientSampleId :

ICVVD122419

Tot Ion:	56	Resp:	360550
Ion Ratio		Lower	Upper
56	100		
69	34.4	24.7	37.1
84	87.3	69.4	104.2

Manual Integrations
APPROVED

apatel
12/26/2019 11:14:21 AM



#32

1,1,1-Trichloroethane

Concen: 49.382 ug/l

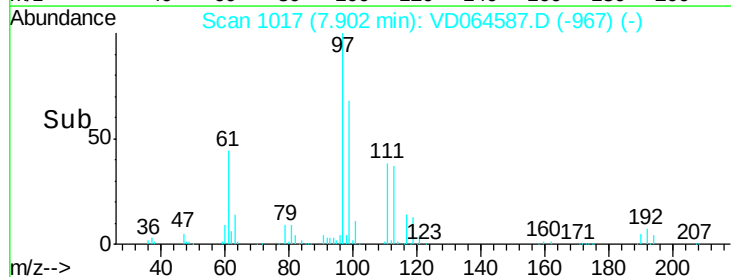
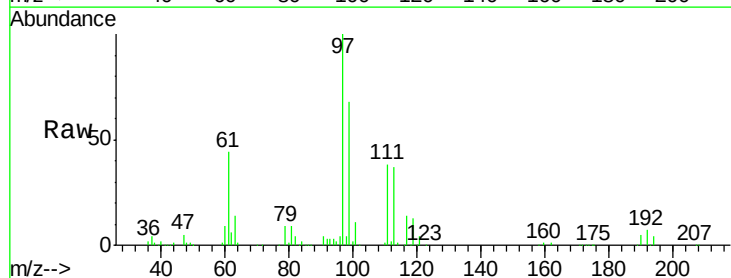
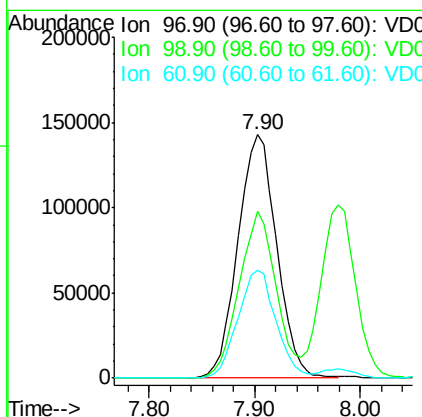
RT: 7.90 min Scan# 1017

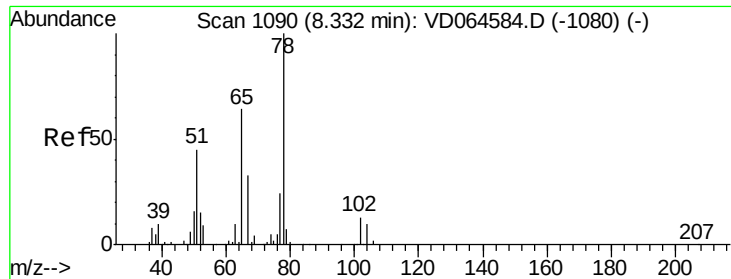
Delta R.T. -0.01 min

Lab File: VD064587.D

Acq: 24 Dec 2019 13:20

Tgt Ion:	97	Resp:	364360
Ion Ratio		Lower	Upper
97	100		
99	65.9	51.0	76.6
61	43.4	35.4	53.0





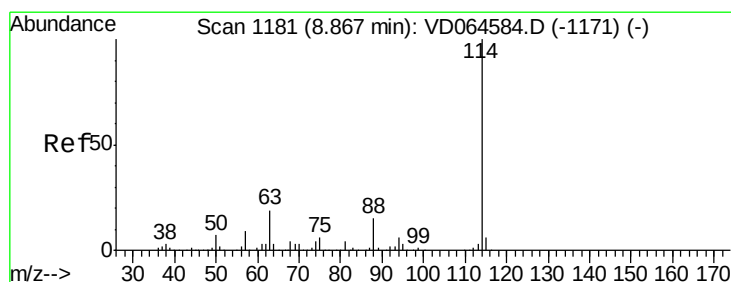
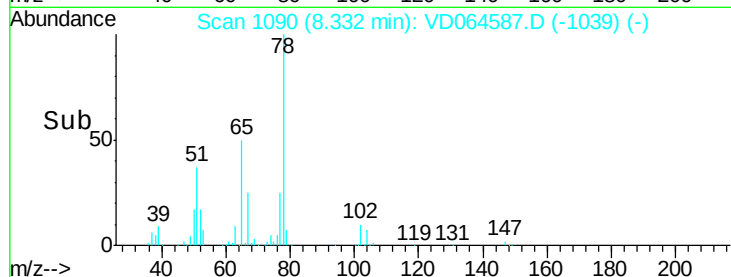
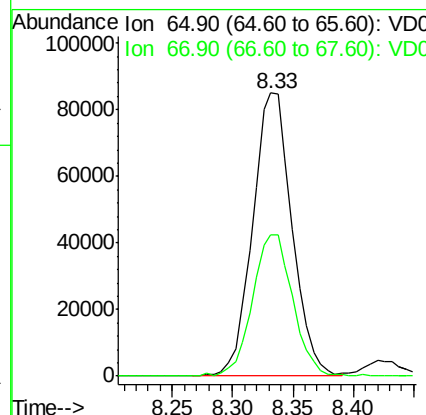
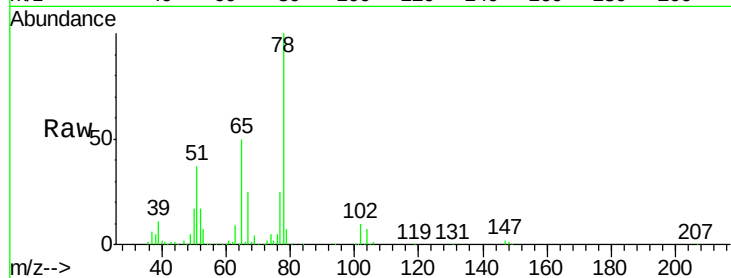
#33
 1,2-Dichloroethane-d4
 Concen: 47.942 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD064587.D
 Acq: 24 Dec 2019 13:20

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD122419

Tot Ion	Ratio	Resp	Lower	Upper
65	100	192711		
67	51.0	0.0	106.2	

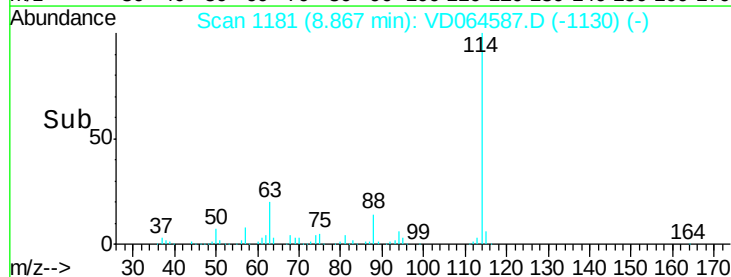
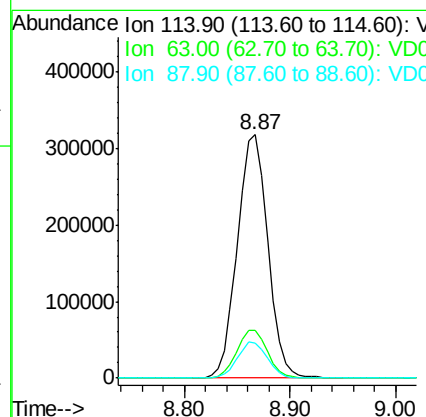
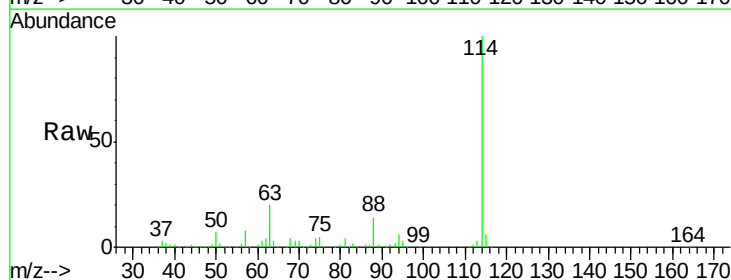
Manual Integrations
 APPROVED

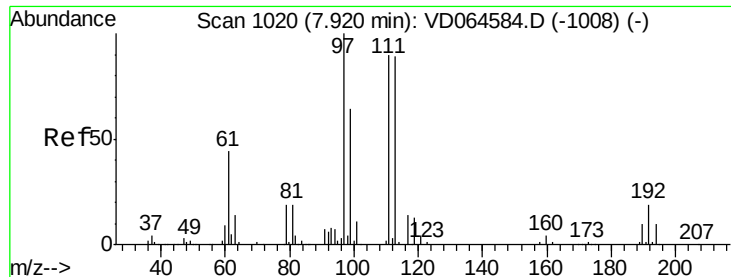
apatel
 12/26/2019 11:14:21 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064587.D
 Acq: 24 Dec 2019 13:20

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	638081		
63	19.5	0.0	38.0	
88	14.4	0.0	29.2	





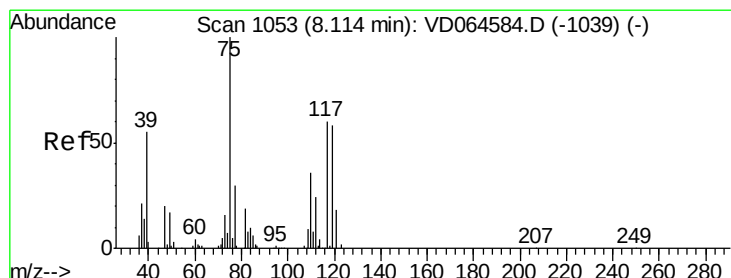
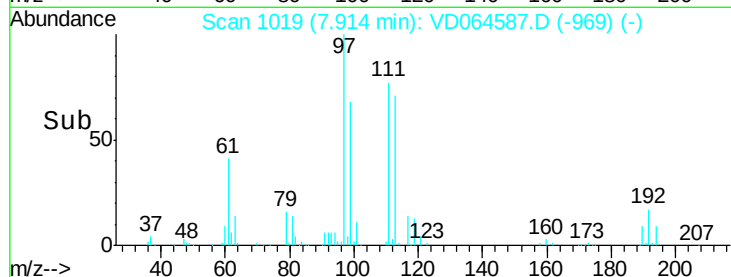
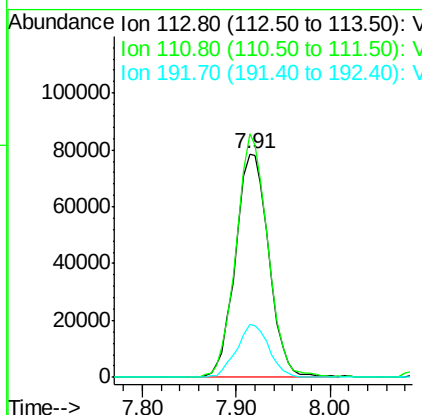
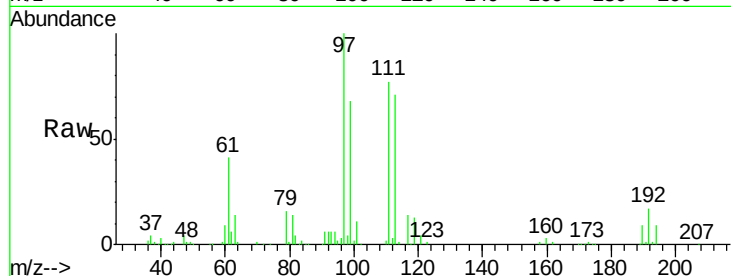
#35
 Dibromofluoromethane
 Concen: 49.317 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD064587.D
 Acq: 24 Dec 2019 13:20

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD122419

Tot Ion	Ratio	Resp	Lower	Upper
113	100	193065		
111	104.1	80.6	121.0	
192	23.1	17.9	26.9	

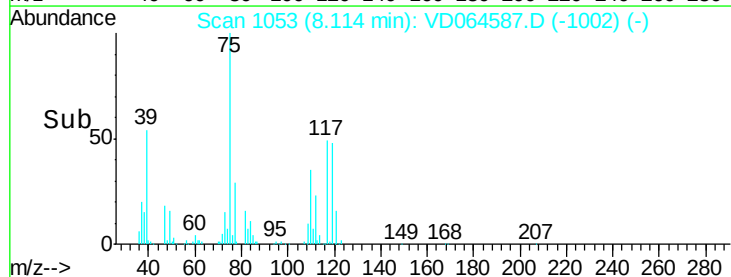
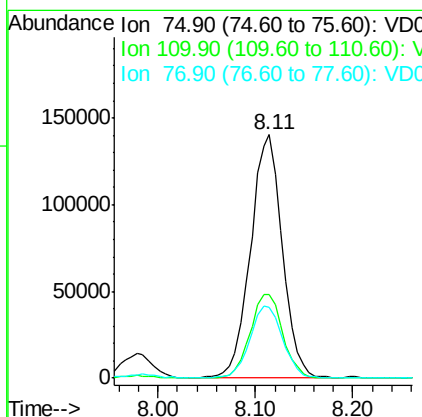
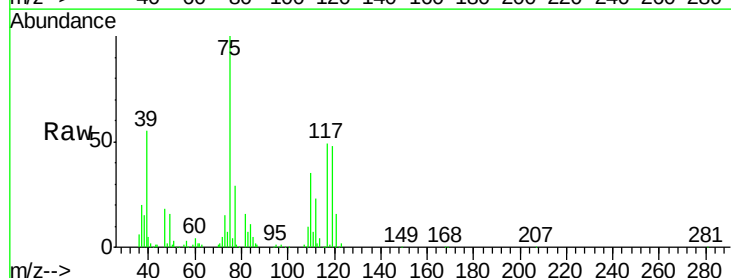
Manual Integrations
 APPROVED

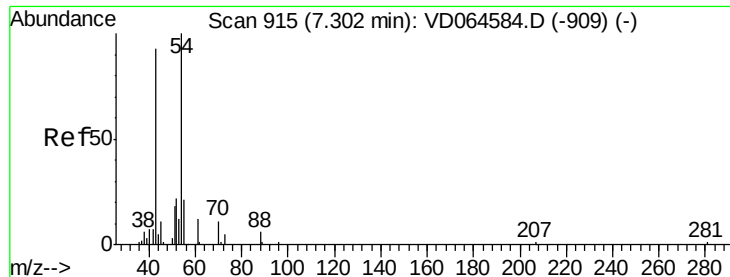
apatel
 12/26/2019 11:14:21 AM



#36
 1,1-Dichloropropene
 Concen: 51.802 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064587.D
 Acq: 24 Dec 2019 13:20

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	318144		
110	35.5	18.1	54.1	
77	30.8	24.2	36.4	





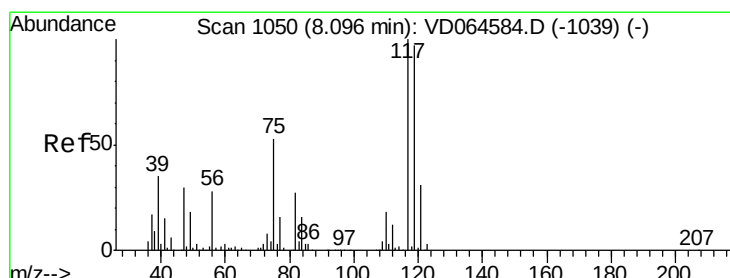
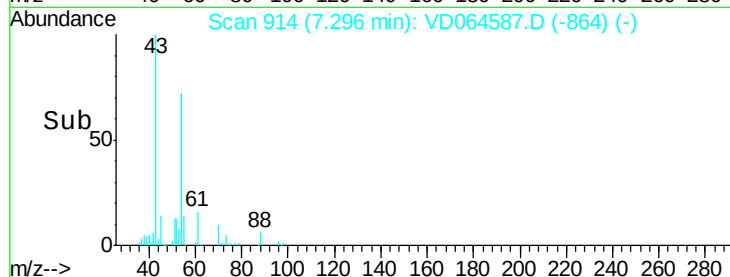
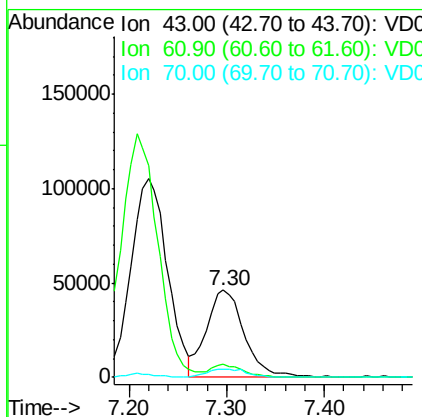
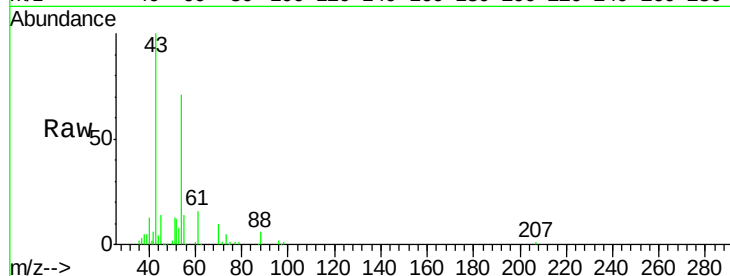
#37
Ethyl Acetate
Concen: 50.327 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD064587.D
Acq: 24 Dec 2019 13:20

Instrument :
MSVOA_D
ClientSampleId :
ICVVD122419

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

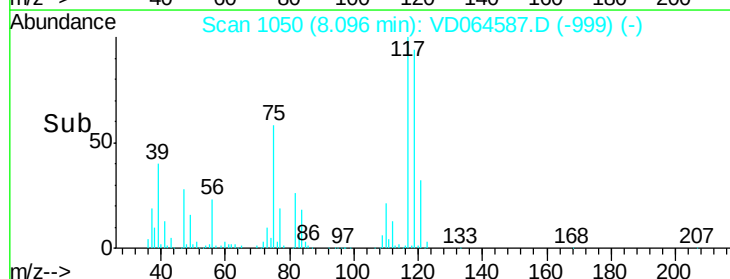
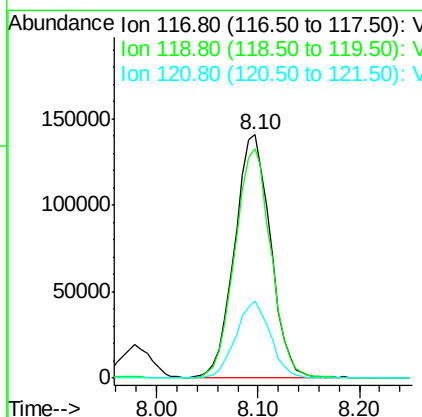
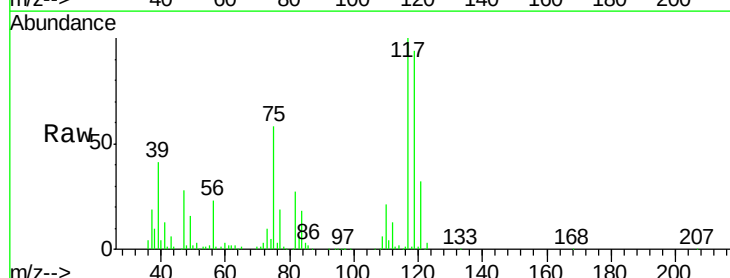
Manual Integrations
APPROVED

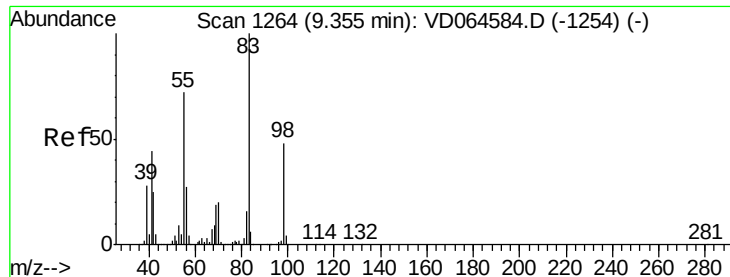
apatel
12/26/2019 11:14:21 AM



#38
Carbon Tetrachloride
Concen: 52.315 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064587.D
Acq: 24 Dec 2019 13:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.7	77.3	115.9
121	31.7	25.0	37.6





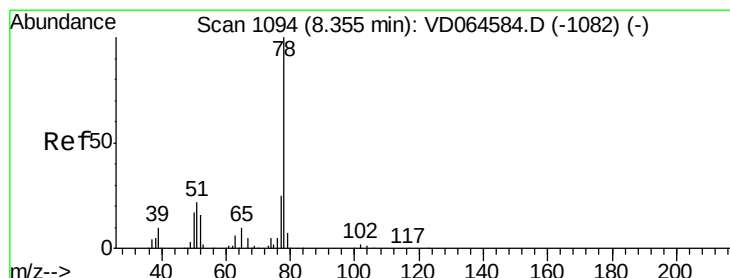
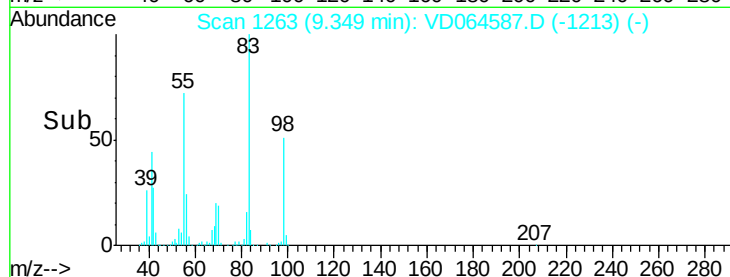
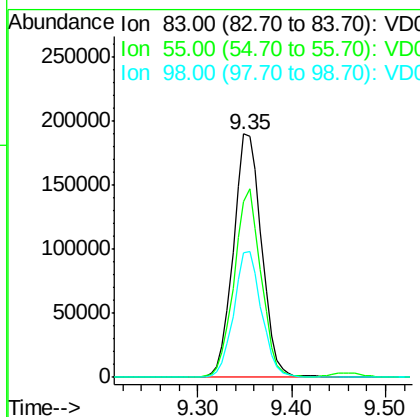
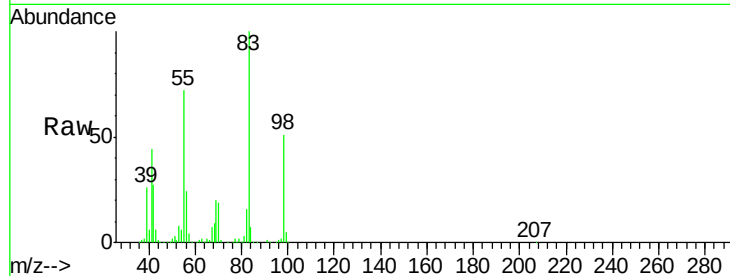
#39
Methylvlcyclohexane
Concen: 53.135 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VD064587.D
Acq: 24 Dec 2019 13:20

Instrument :
MSVOA_D
ClientSampleId :
ICVVD122419

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.3	57.8	86.6
98	51.0	38.7	58.1

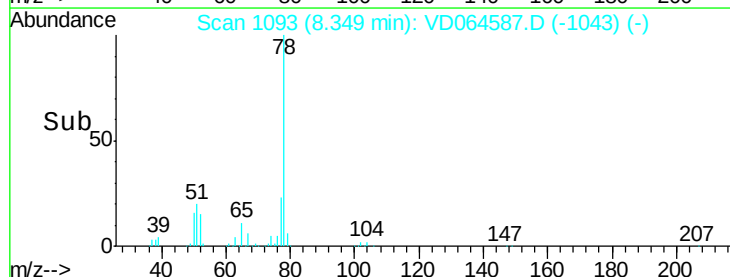
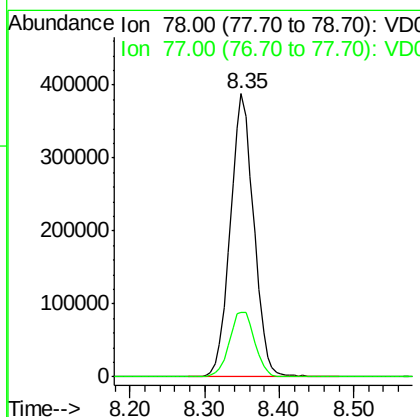
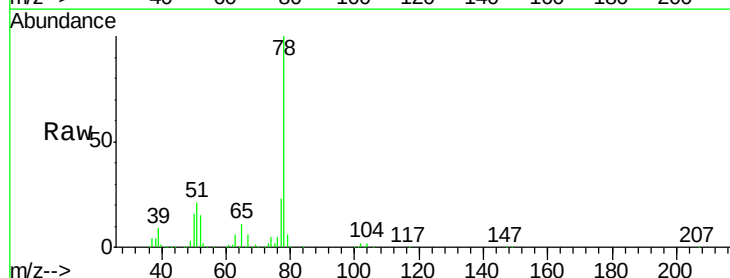
Manual Integrations
APPROVED

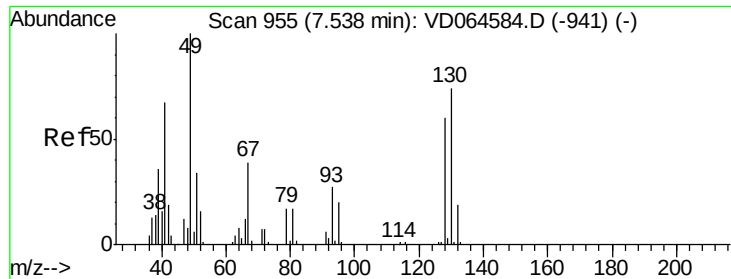
apatel
12/26/2019 11:14:21 AM



#40
Benzene
Concen: 50.650 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD064587.D
Acq: 24 Dec 2019 13:20

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	19.9	29.9





#41

Methacrylonitrile

Concen: 50.617 ug/l

RT: 7.53 min Scan# 954

Delta R.T. -0.01 min

Lab File: VD064587.D

Acq: 24 Dec 2019 13:20

Instrument :

MSVOA_D

ClientSampleId :

ICVVD122419

Tot Ion: 41 Resp: 70857

Ion Ratio Lower Upper

41 100

39 71.6 46.7 70.1#

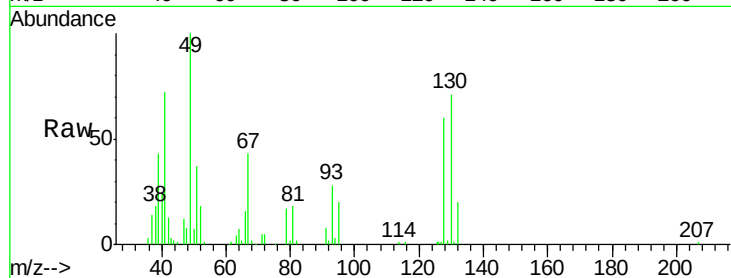
67 69.1 52.5 78.7

52 31.9 24.1 36.1

Manual Integrations
APPROVED

apatel

12/26/2019 11:14:21 AM

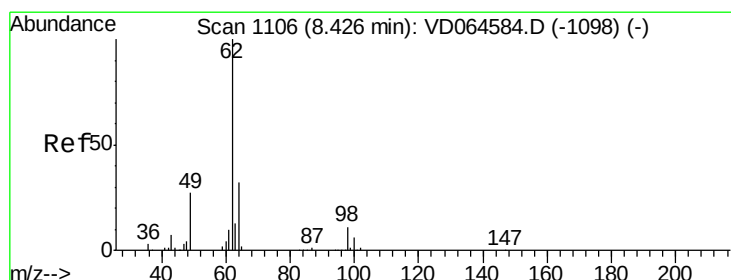
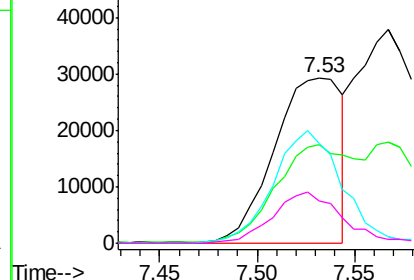
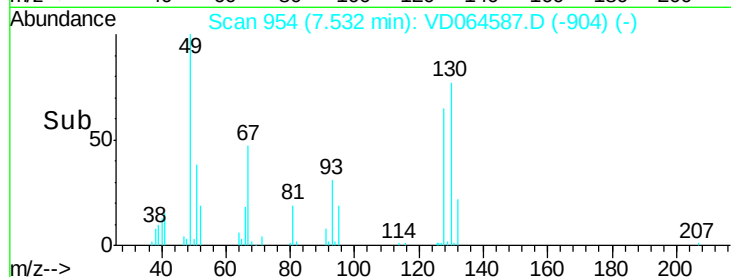


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 48.401 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD064587.D

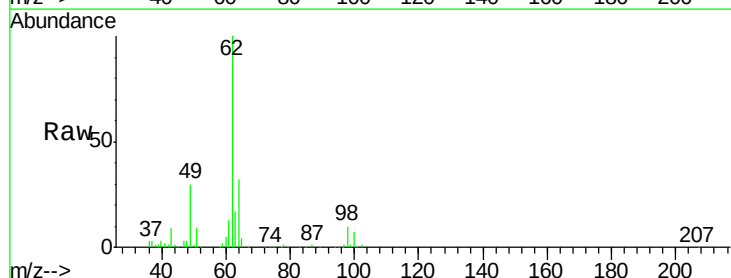
Acq: 24 Dec 2019 13:20

Tgt Ion: 62 Resp: 234498

Ion Ratio Lower Upper

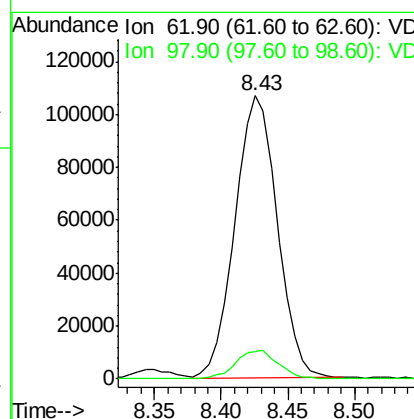
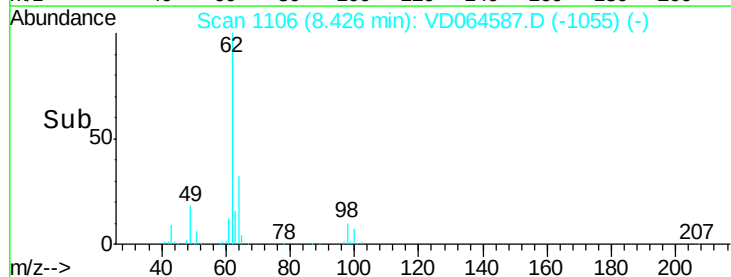
62 100

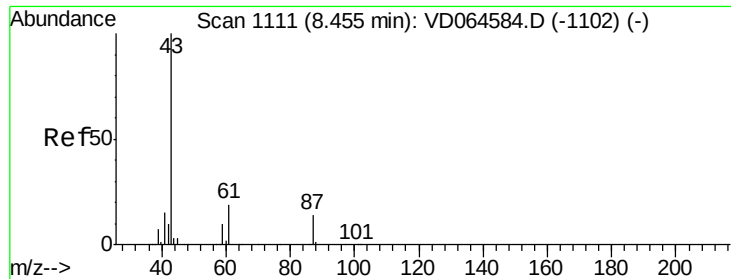
98 10.3 0.0 20.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





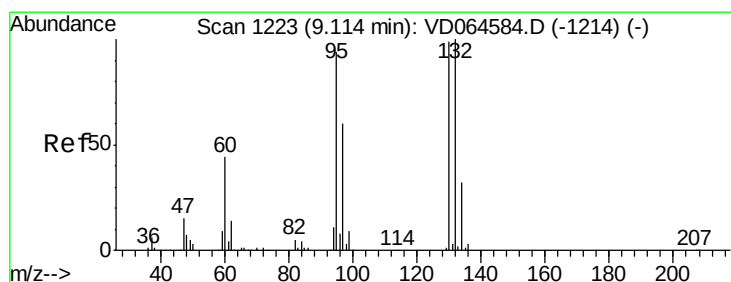
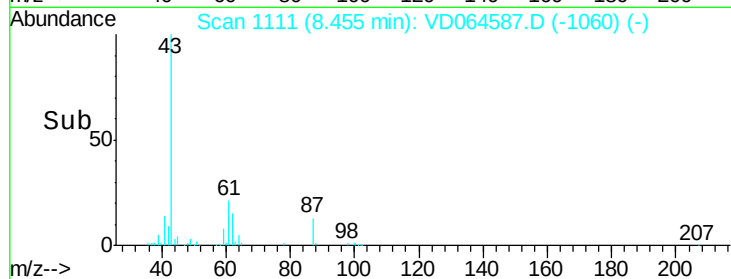
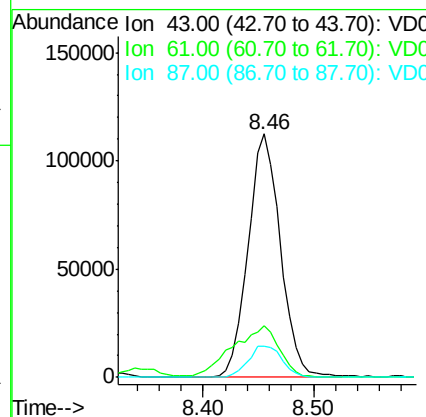
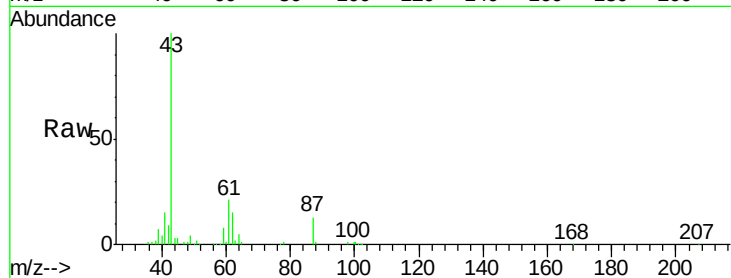
#43
Isopropyl Acetate
Concen: 48.245 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD064587.D
Acq: 24 Dec 2019 13:20

Instrument :
MSVOA_D
ClientSampleId :
ICVVD122419

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.5	23.7	35.5
87	13.6	10.5	15.7

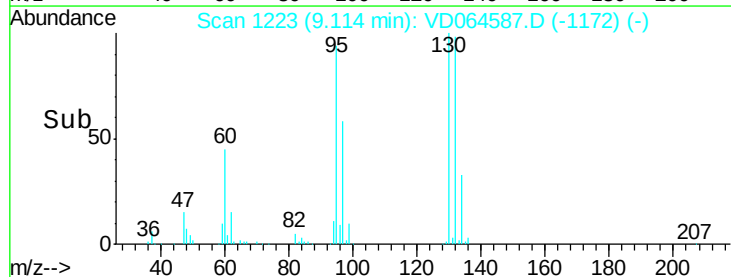
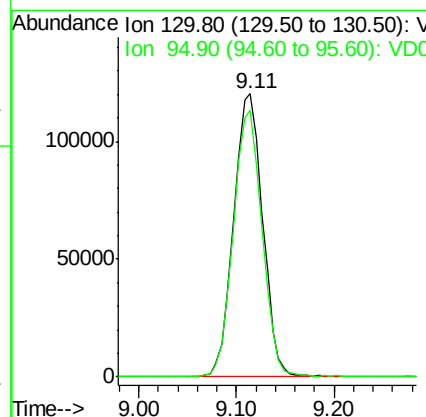
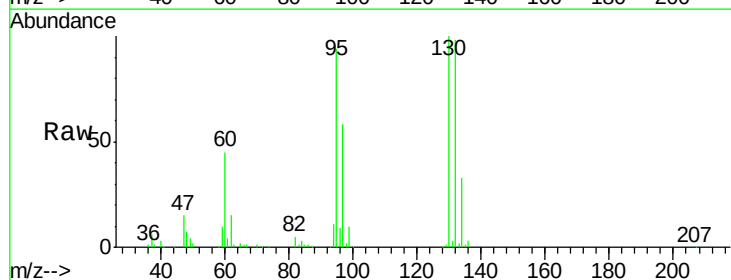
Manual Integrations
APPROVED

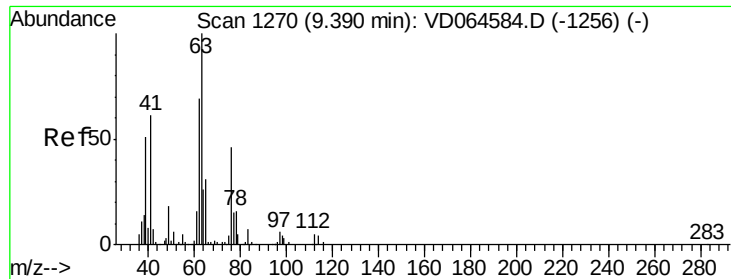
apatel
12/26/2019 11:14:21 AM



#44
Trichloroethene
Concen: 50.612 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD064587.D
Acq: 24 Dec 2019 13:20

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.4	0.0	190.2





#45

1,2-Dichloropropane

Concen: 50.281 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064587.D

Acq: 24 Dec 2019 13:20

Instrument :

MSVOA_D

ClientSampleId :

ICVVD122419

Tot Ion: 63 Resp: 201276

Ion Ratio Lower Upper

63 100

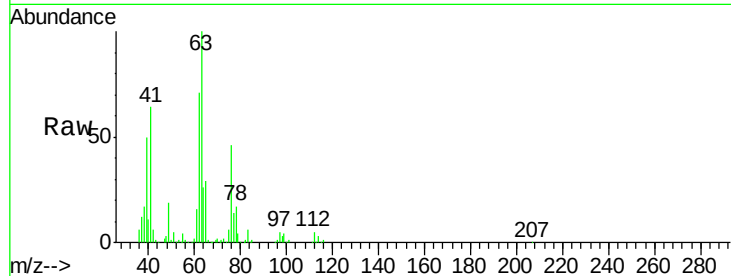
65 28.8 25.2 37.8

Manual Integrations

APPROVED

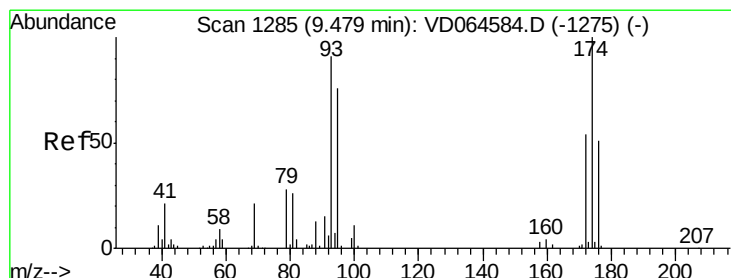
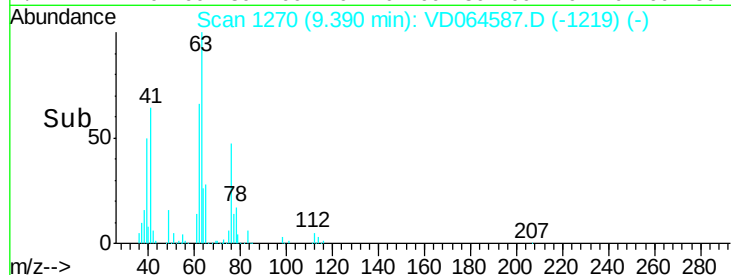
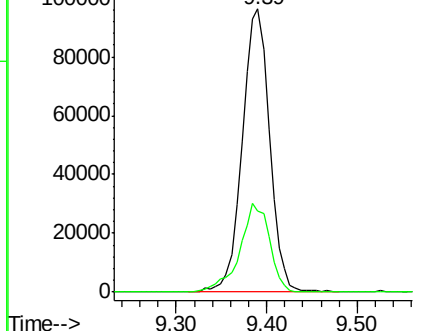
apatel

12/26/2019 11:14:21 AM



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 49.523 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064587.D

Acq: 24 Dec 2019 13:20

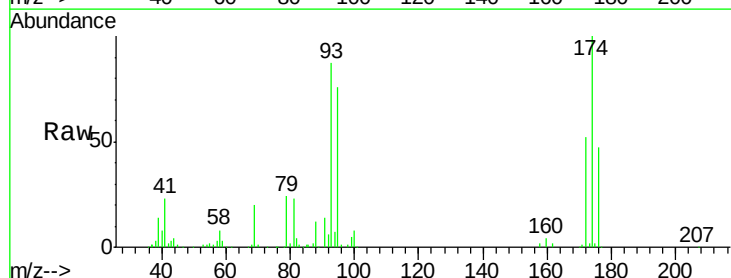
Tgt Ion: 93 Resp: 110526

Ion Ratio Lower Upper

93 100

95 83.6 64.6 97.0

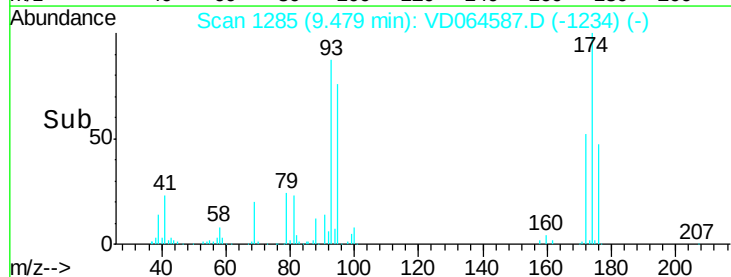
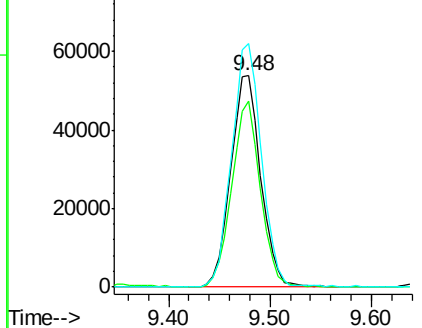
174 114.2 88.1 132.1

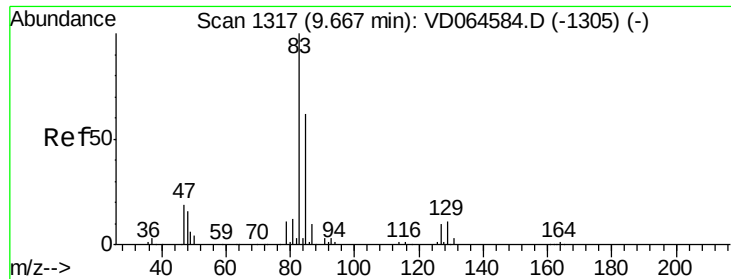


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 48.834 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064587.D

Acq: 24 Dec 2019 13:20

Instrument :

MSVOA_D

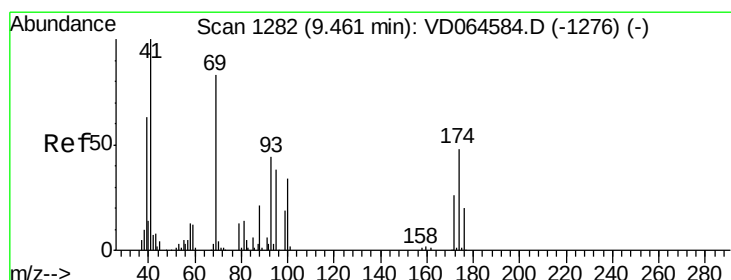
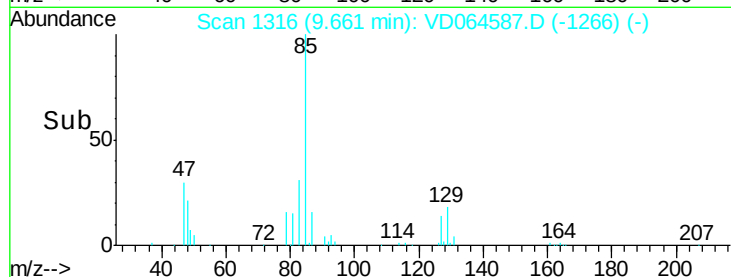
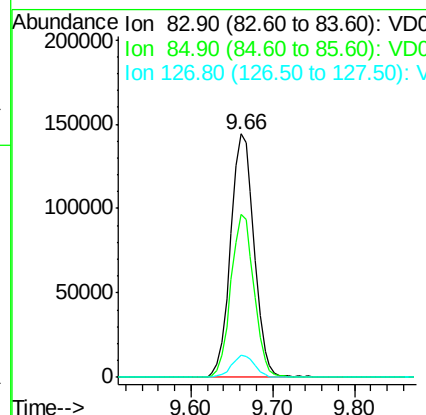
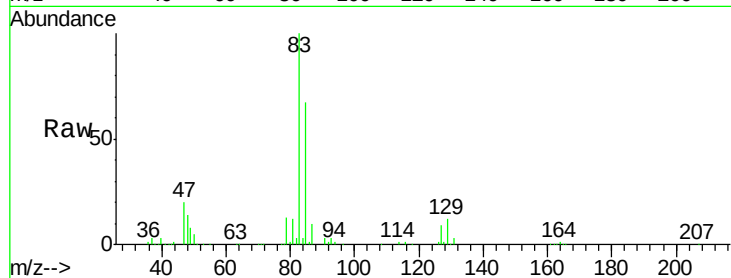
ClientSampleId :

ICVVD122419

Tot Ion:	83	Resp:	290018
Ion	Ratio	Lower	Upper
83	100		
85	67.0	49.5	74.3
127	9.2	7.8	11.6

Manual Integrations
APPROVED

apatel
12/26/2019 11:14:21 AM



#48

Methyl methacrylate

Concen: 47.501 ug/l

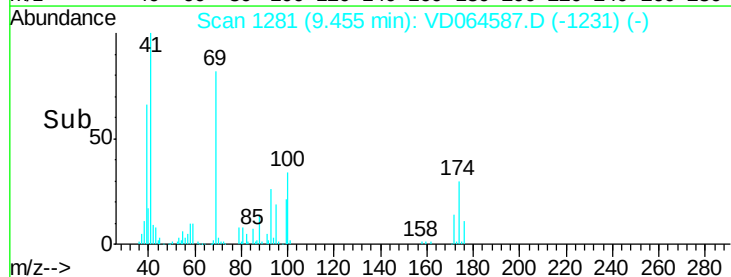
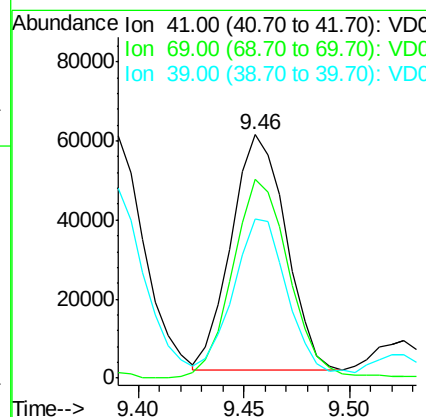
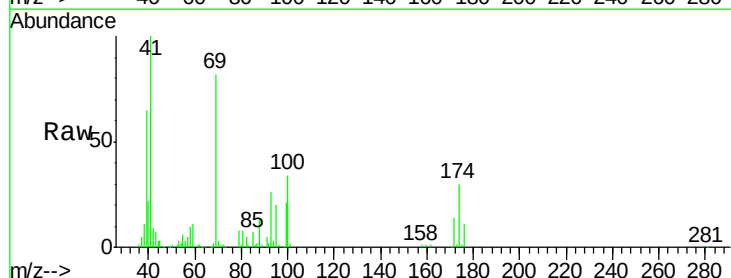
RT: 9.46 min Scan# 1281

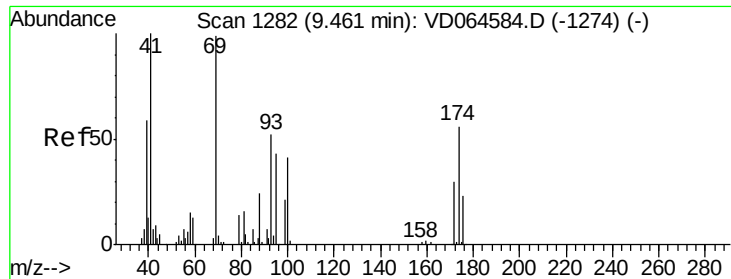
Delta R.T. -0.01 min

Lab File: VD064587.D

Acq: 24 Dec 2019 13:20

Tgt Ion:	41	Resp:	107408
Ion	Ratio	Lower	Upper
41	100		
69	87.9	63.0	94.6
39	62.6	47.4	71.2





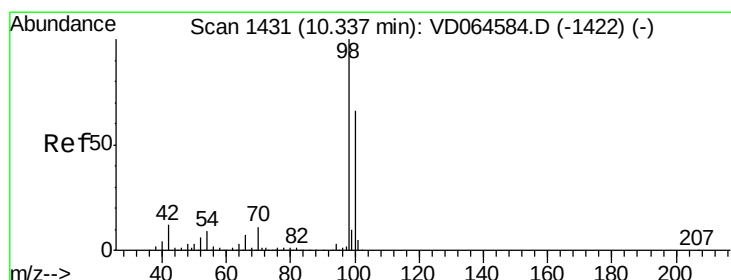
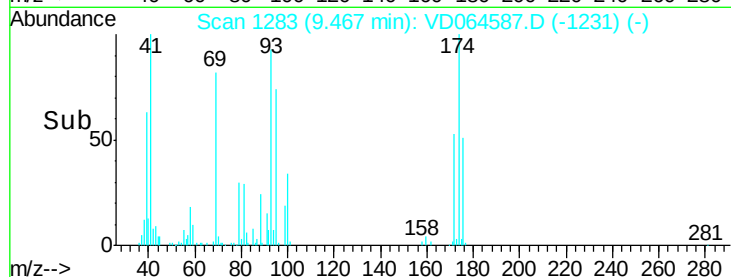
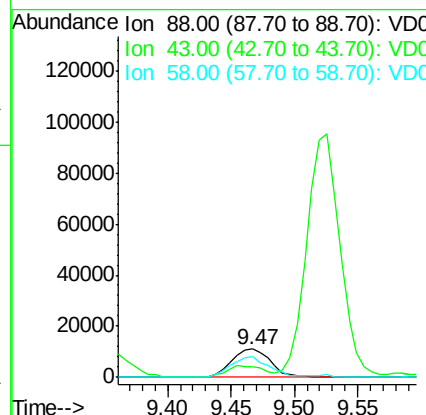
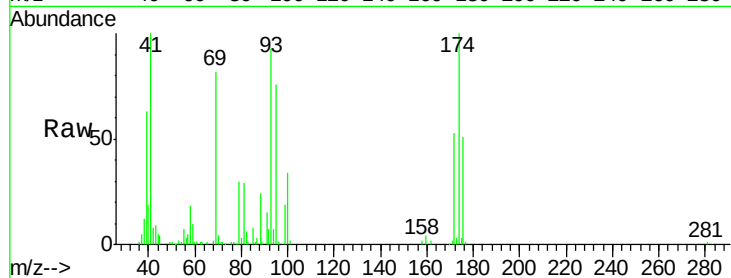
#49
1,4-Dioxane
Concen: 937.461 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD064587.D
Acq: 24 Dec 2019 13:20

Instrument :
MSVOA_D
ClientSampleId :
ICVVD122419

Tot Ion	88	Resp	24125
Ion	Ratio	Lower	Upper
88	100		
43	37.7	27.7	41.5
58	70.6	53.8	80.6

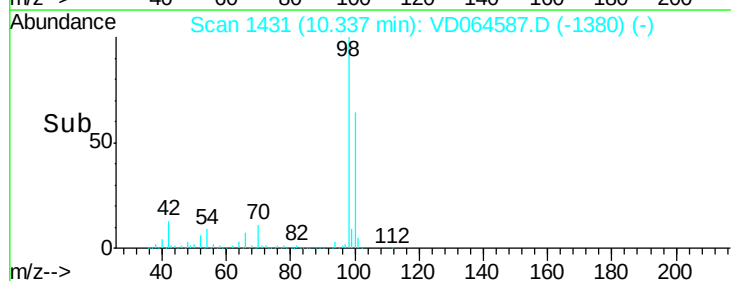
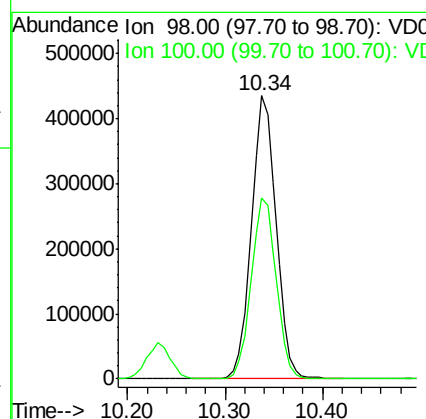
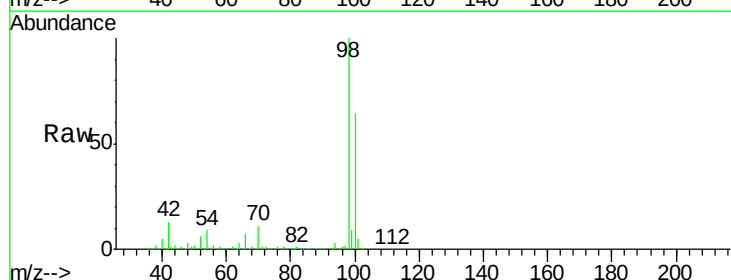
Manual Integrations
APPROVED

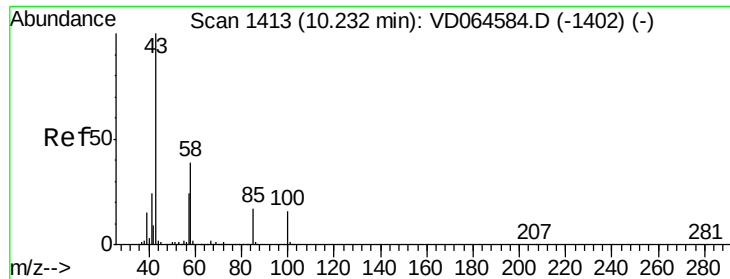
apatel
12/26/2019 11:14:21 AM



#50
Toluene-d8
Concen: 51.040 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD064587.D
Acq: 24 Dec 2019 13:20

Tgt Ion	98	Resp	765243
Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.7	77.5





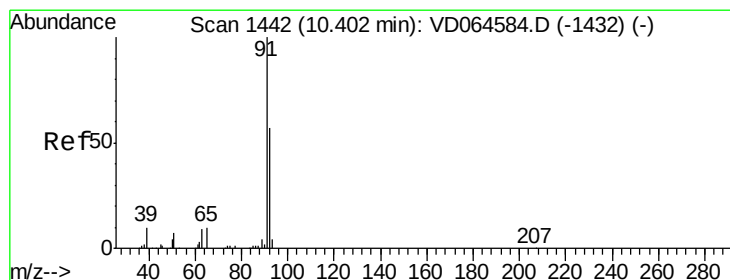
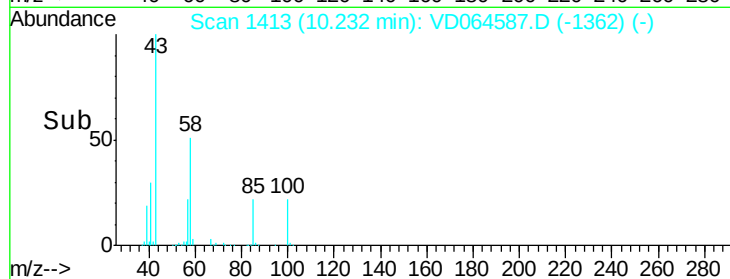
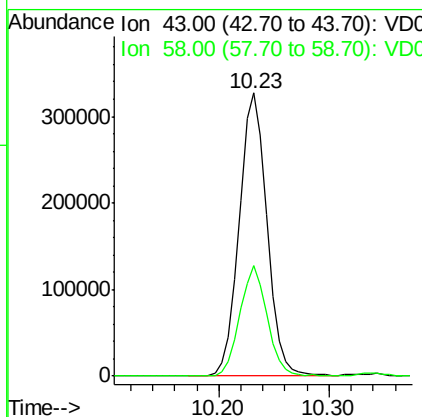
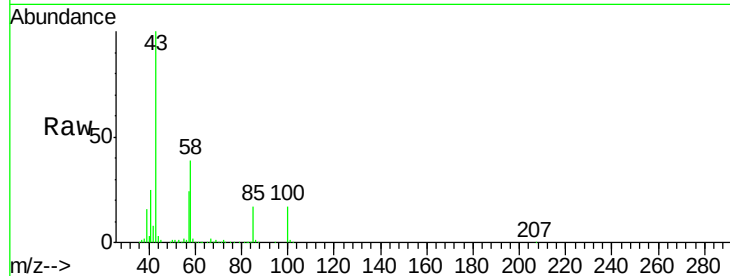
#51
4-Methyl-2-Pentanone
Concen: 244.231 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD064587.D
Acq: 24 Dec 2019 13:20

Instrument :
MSVOA_D
ClientSampleId :
ICVVD122419

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.4	30.2	45.2

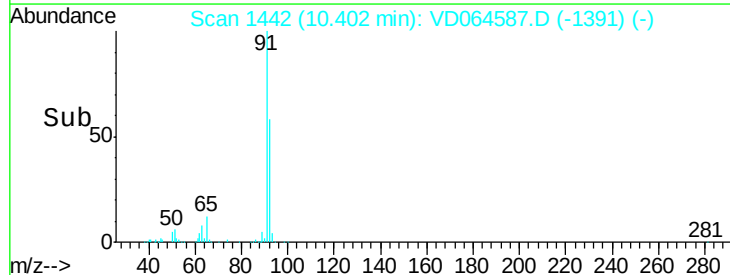
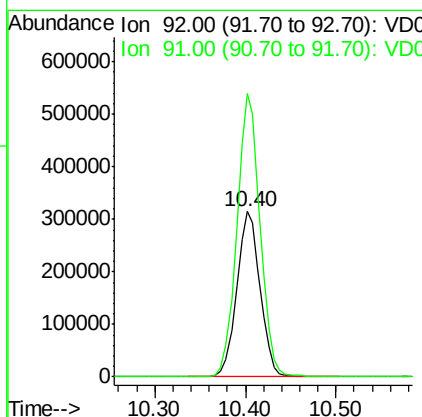
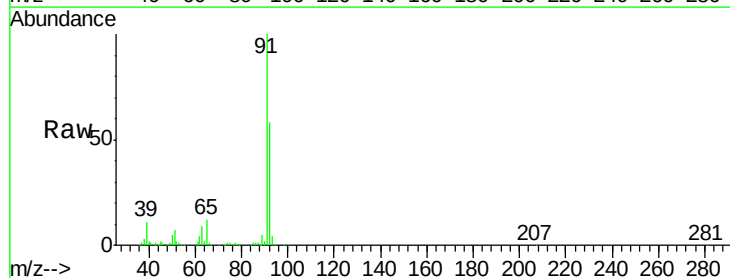
Manual Integrations
APPROVED

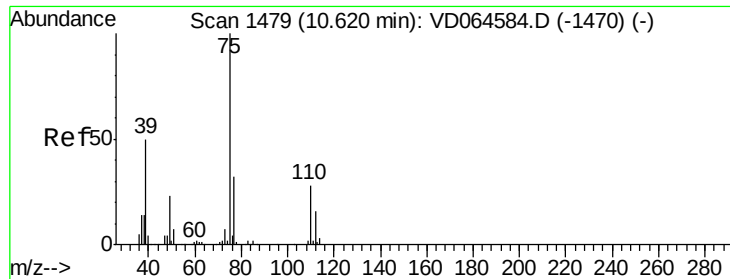
apatel
12/26/2019 11:14:21 AM



#52
Toluene
Concen: 51.162 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. 0.00 min
Lab File: VD064587.D
Acq: 24 Dec 2019 13:20

Tgt Ion	Ratio	Lower	Upper
92	100		
91	169.9	138.7	208.1





#53

t-1,3-Dichloropropene

Concen: 51.188 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. 0.00 min

Lab File: VD064587.D

Acq: 24 Dec 2019 13:20

Instrument :

MSVOA_D

ClientSampleId :

ICVVD122419

Tot Ion: 75 Resp: 283423

Ion Ratio Lower Upper

75 100

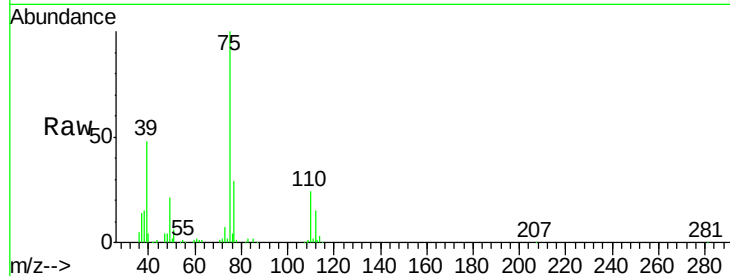
77 29.5 25.4 38.2

Manual Integrations

APPROVED

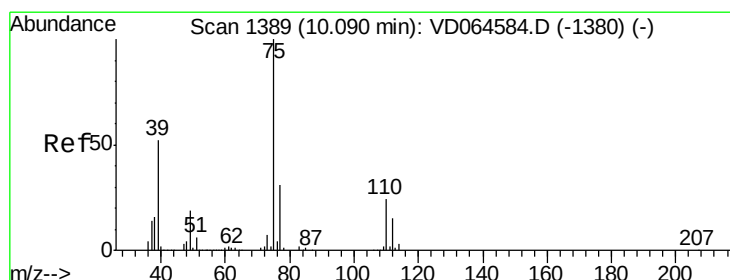
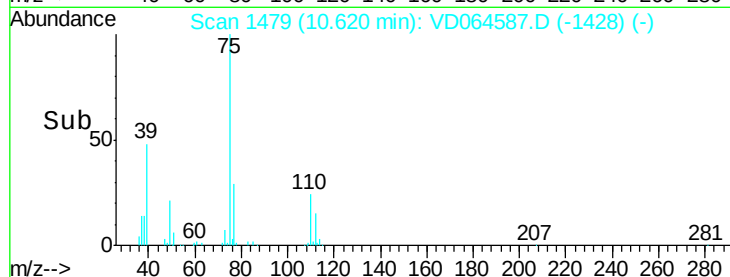
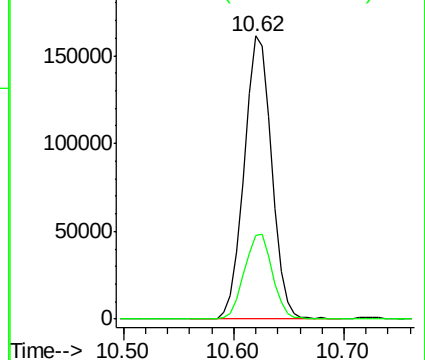
apatel

12/26/2019 11:14:21 AM



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 51.240 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD064587.D

Acq: 24 Dec 2019 13:20

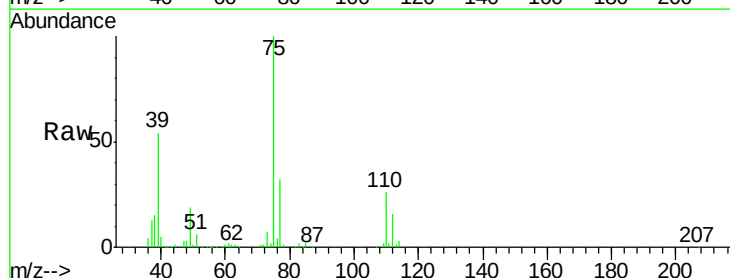
Tgt Ion: 75 Resp: 334529

Ion Ratio Lower Upper

75 100

77 32.3 24.6 36.8

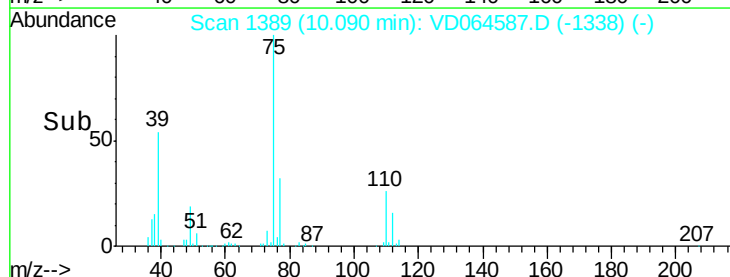
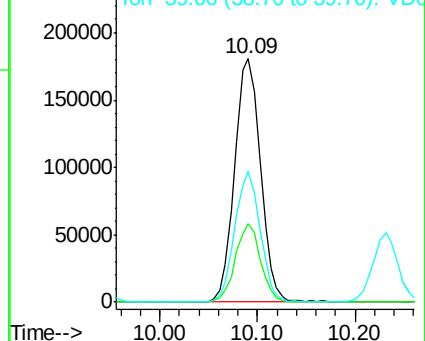
39 53.5 41.4 62.2

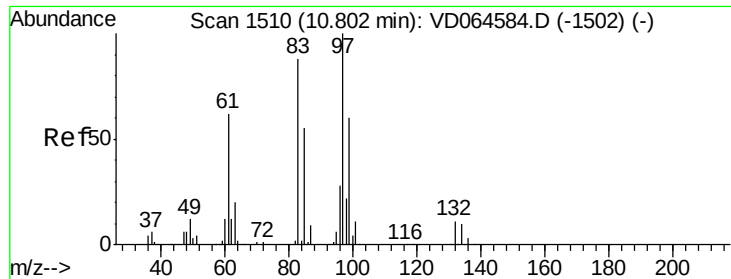


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC





#55

1,1,2-Trichloroethane

Concen: 49.055 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD064587.D

Acq: 24 Dec 2019 13:20

Instrument :

MSVOA_D

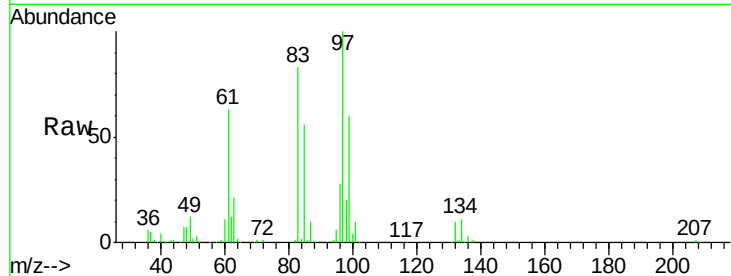
ClientSampleId :

ICVVD122419

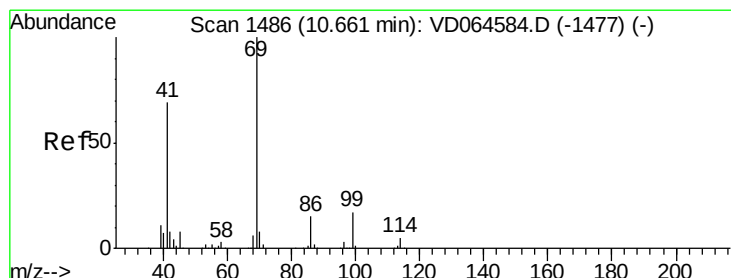
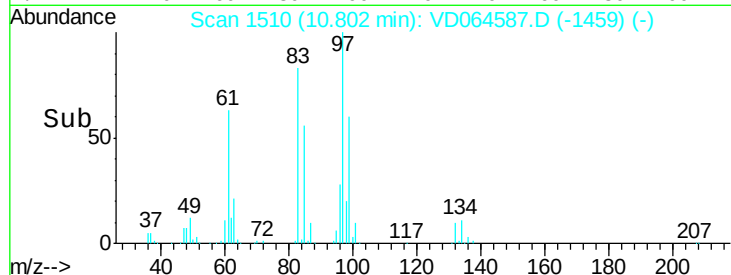
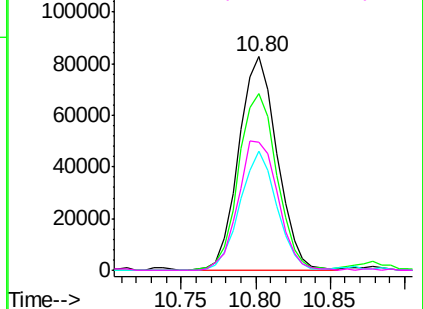
Tot Ion:	97	Resp:	147544
Ion	Ratio	Lower	Upper
97	100		
83	82.8	70.2	105.4
85	55.9	44.0	66.0
99	59.8	47.8	71.6

Manual Integrations
APPROVED

apatel
12/26/2019 11:14:21 AM



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



#56

Ethyl methacrylate

Concen: 49.494 ug/l

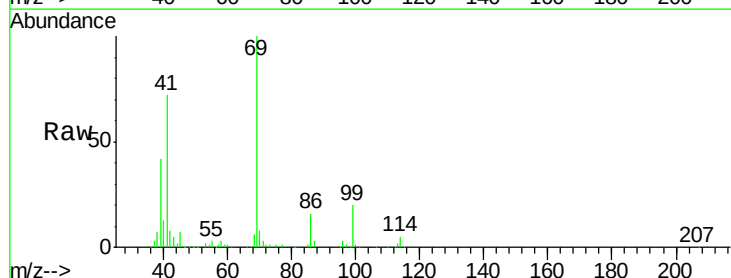
RT: 10.66 min Scan# 1486

Delta R.T. 0.00 min

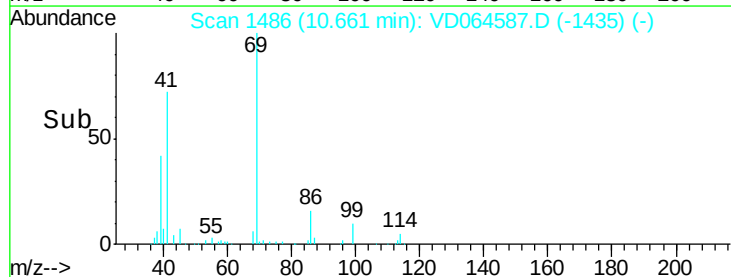
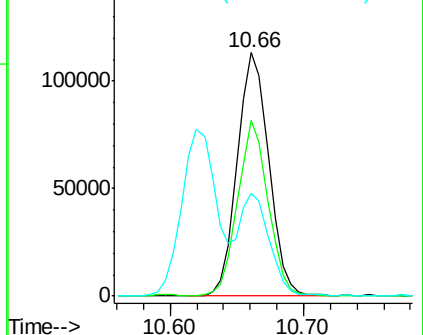
Lab File: VD064587.D

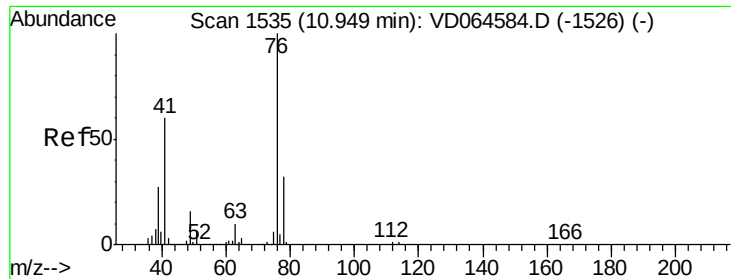
Acq: 24 Dec 2019 13:20

Tgt Ion:	69	Resp:	185916
Ion	Ratio	Lower	Upper
69	100		
41	69.2	55.3	82.9
39	40.5	33.8	50.8



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





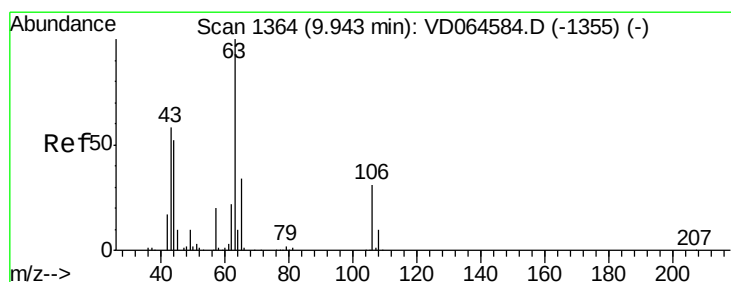
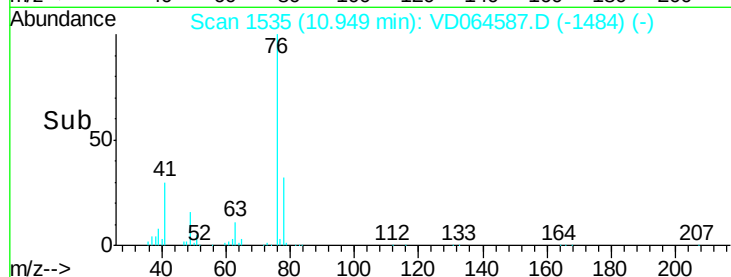
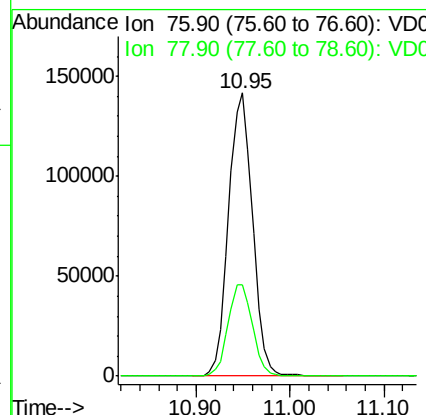
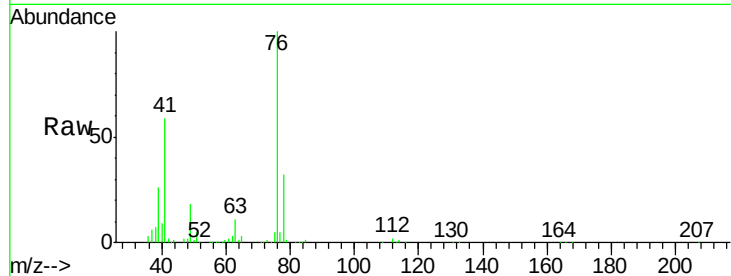
#57
 1,3-Dichloropropane
 Concen: 48.708 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064587.D
 Acq: 24 Dec 2019 13:20

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD122419

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.2	26.2	39.4

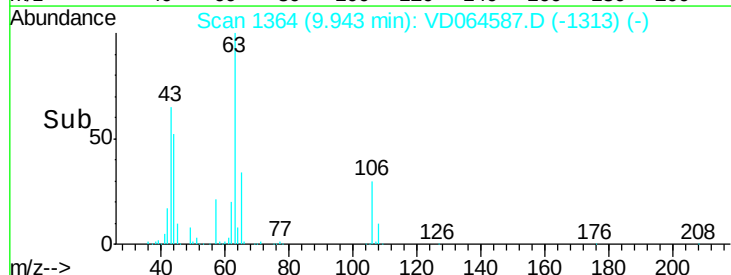
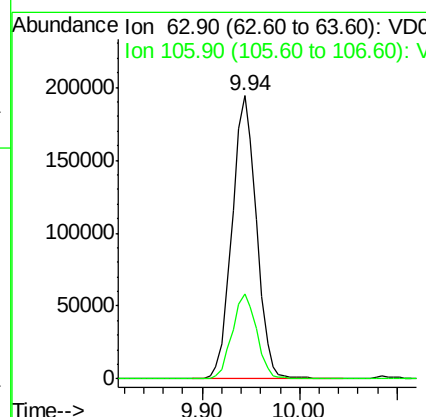
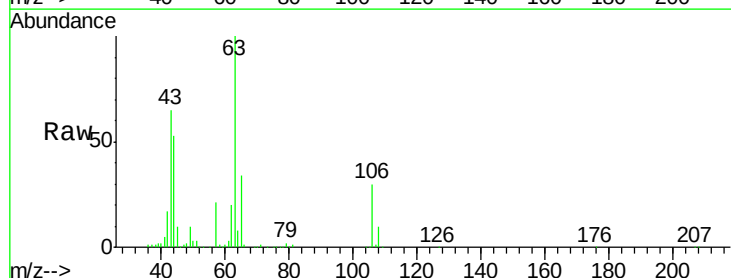
Manual Integrations
 APPROVED

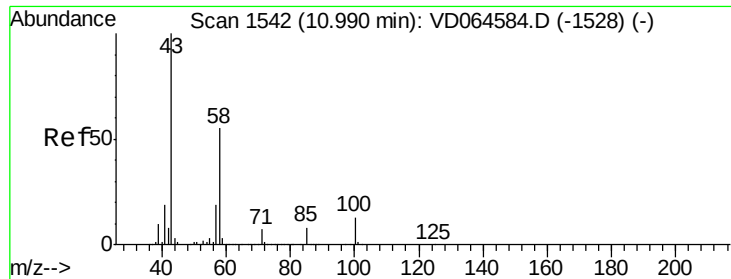
apatel
 12/26/2019 11:14:21 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 235.527 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064587.D
 Acq: 24 Dec 2019 13:20

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.2	23.8	35.8





#59

2-Hexanone

Concen: 259.829 ug/l

RT: 10.98 min Scan# 1541

Delta R.T. -0.01 min

Lab File: VD064587.D

Acq: 24 Dec 2019 13:20

Instrument :

MSVOA_D

ClientSampleID :

ICVVD122419

Tot Ion: 43 Resp: 418599

Ion Ratio Lower Upper

43 100

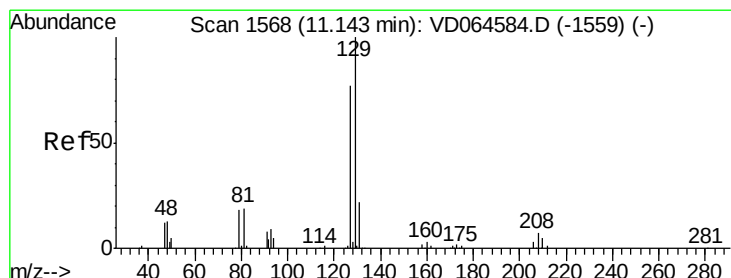
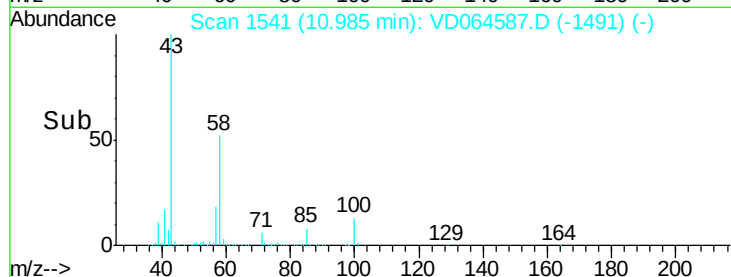
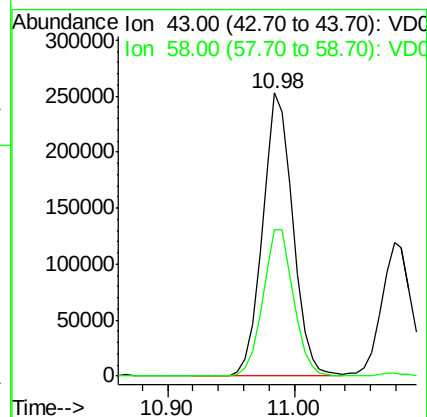
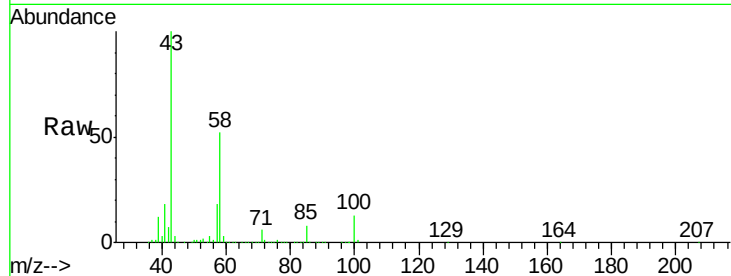
58 52.6 26.4 79.0

Manual Integrations

APPROVED

apatel

12/26/2019 11:14:21 AM



#60

Dibromochloromethane

Concen: 49.253 ug/l

RT: 11.14 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VD064587.D

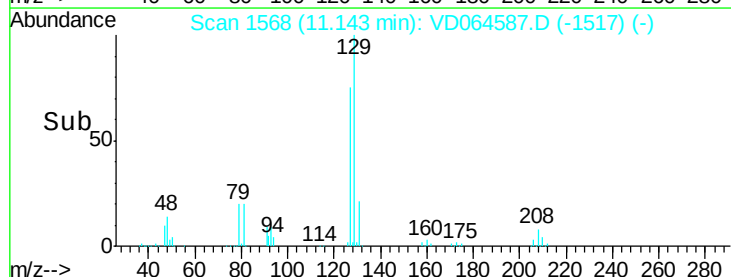
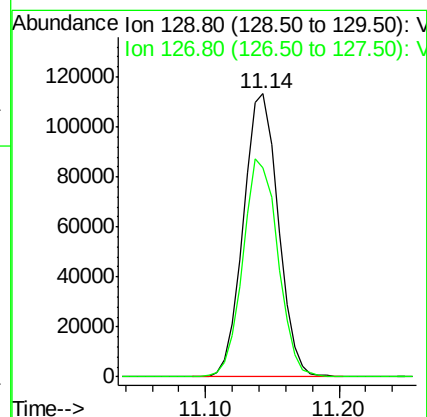
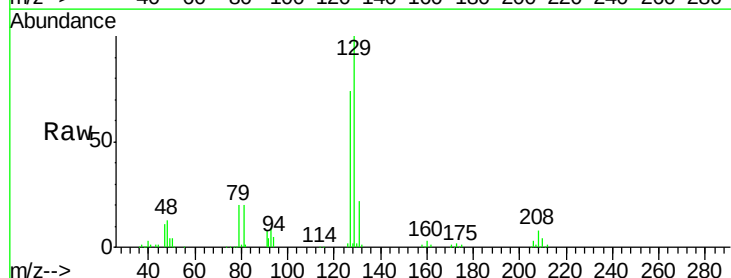
Acq: 24 Dec 2019 13:20

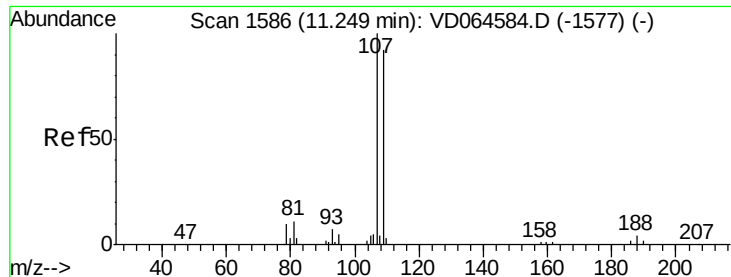
Tgt Ion: 129 Resp: 204860

Ion Ratio Lower Upper

129 100

127 77.5 38.4 115.2





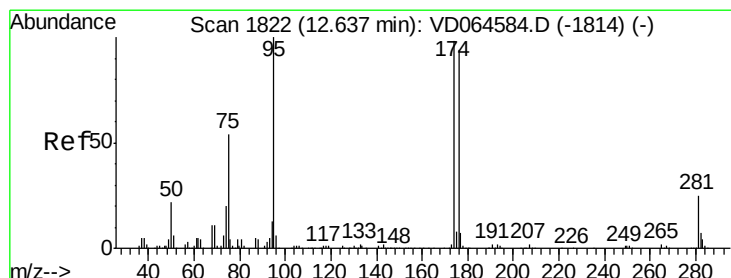
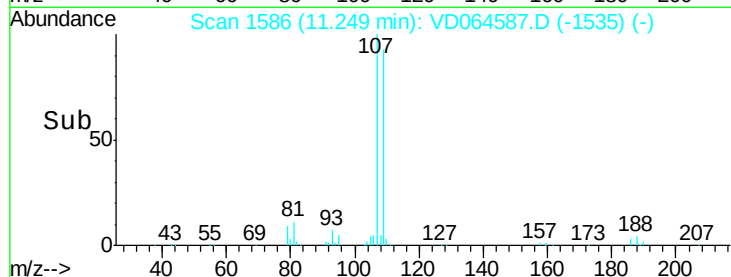
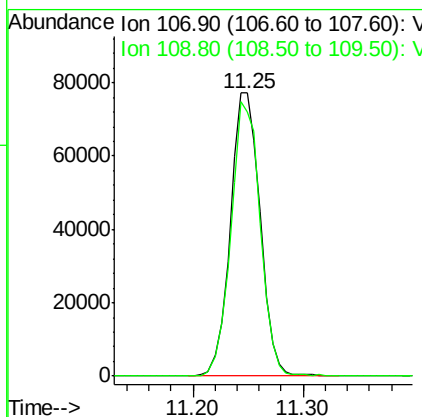
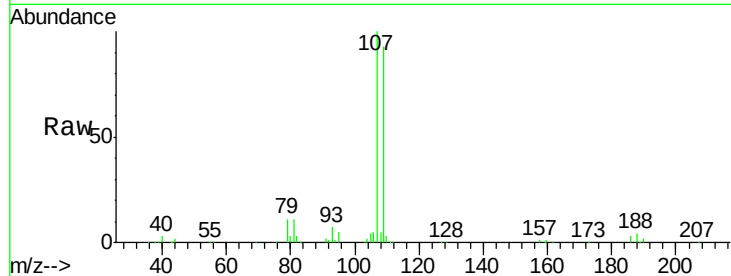
#61
 1,2-Dibromoethane
 Concen: 49.085 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064587.D
 Acq: 24 Dec 2019 13:20

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD122419

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.7	75.6	113.4

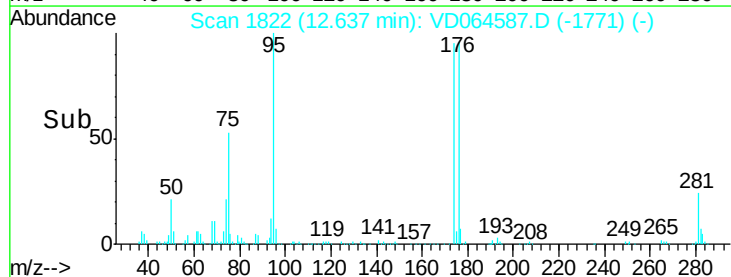
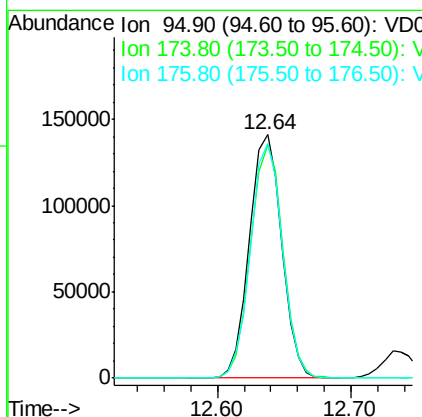
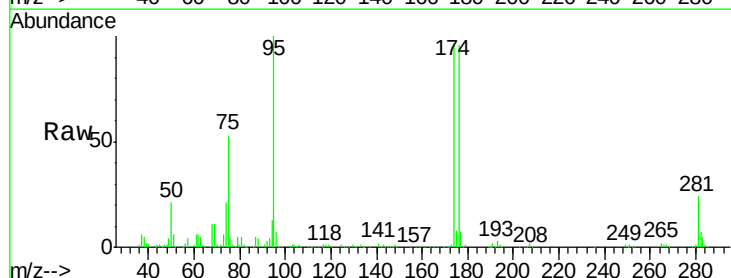
Manual Integrations
 APPROVED

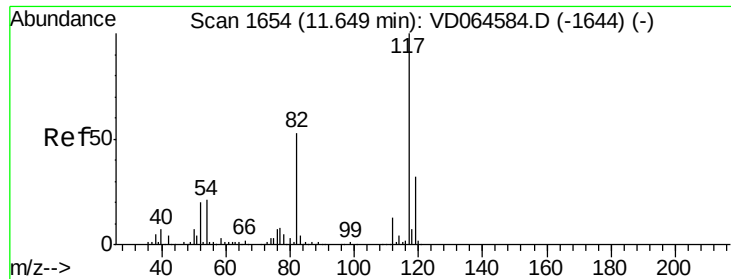
apatel
 12/26/2019 11:14:21 AM



#62
 4-Bromofluorobenzene
 Concen: 49.693 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064587.D
 Acq: 24 Dec 2019 13:20

Tgt Ion	Ratio	Lower	Upper
95	100		
174	95.5	0.0	193.2
176	95.0	0.0	184.2





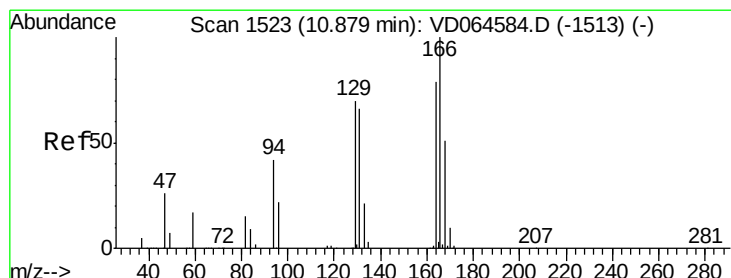
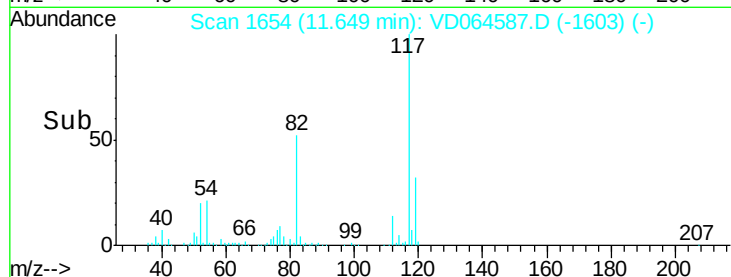
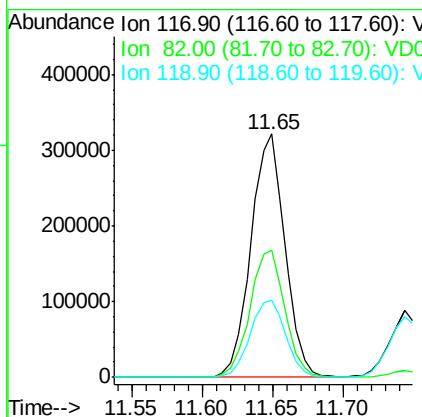
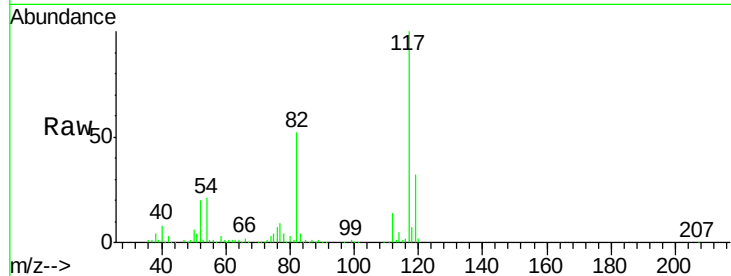
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064587.D
Acq: 24 Dec 2019 13:20

Instrument :
MSVOA_D
ClientSampleId :
ICVVD122419

Tot Ion	Ratio	Resp	Lower	Upper
117	100	545148		
82	52.2		42.2	63.4
119	31.6		26.0	39.0

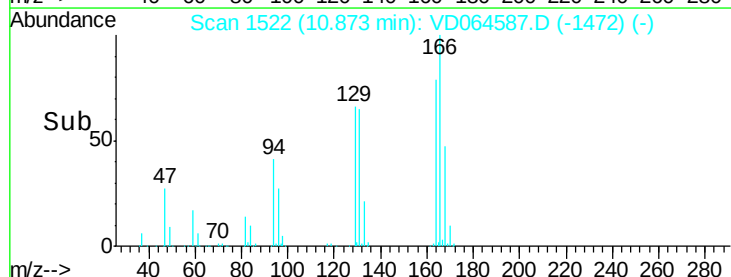
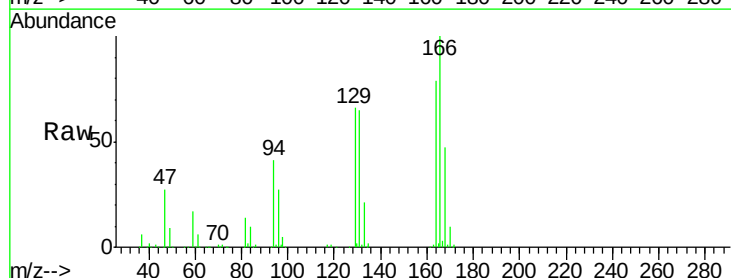
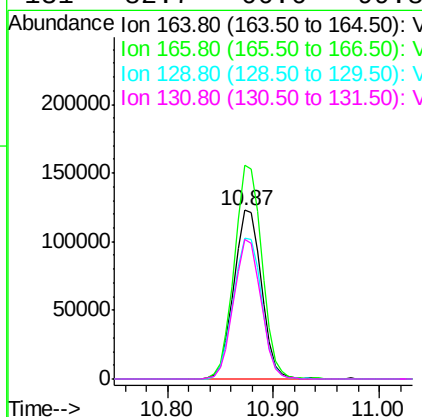
Manual Integrations
APPROVED

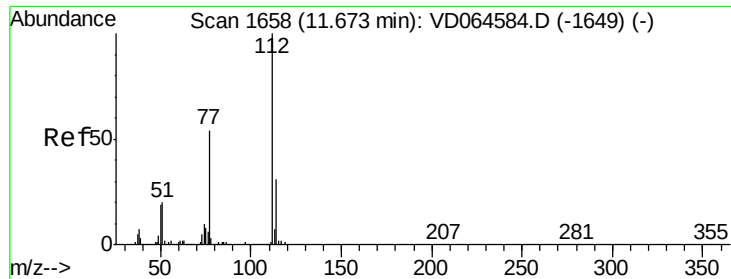
apatel
12/26/2019 11:14:21 AM



#64
Tetrachloroethene
Concen: 53.241 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.01 min
Lab File: VD064587.D
Acq: 24 Dec 2019 13:20

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	222669		
166	126.6		101.3	151.9
129	83.2		70.5	105.7
131	82.7		66.6	99.8





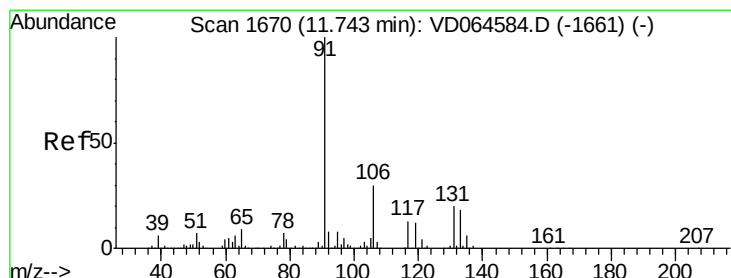
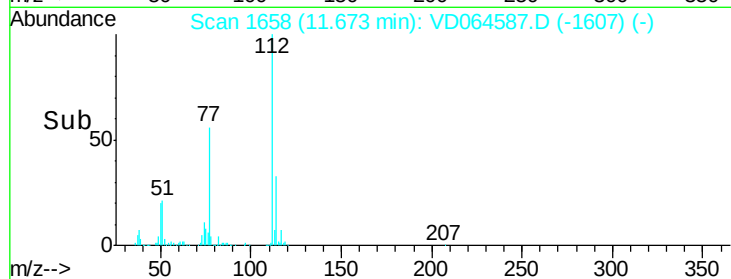
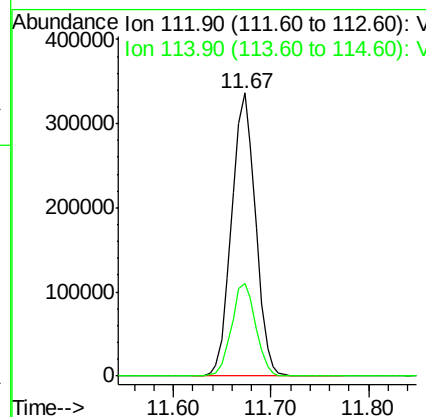
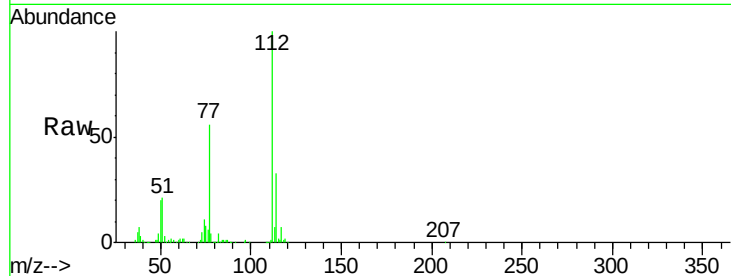
#65
Chlorobenzene
Concen: 50.683 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064587.D
Acq: 24 Dec 2019 13:20

Instrument :
MSVOA_D
ClientSampleId :
ICVVD122419

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.8	24.8	37.2

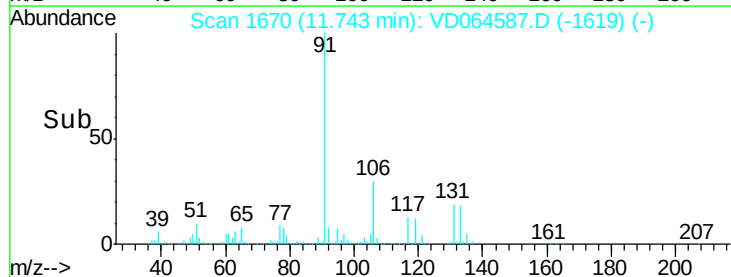
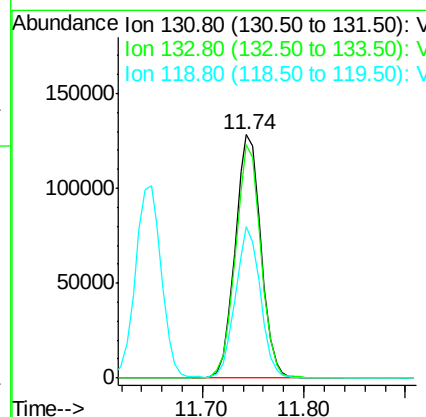
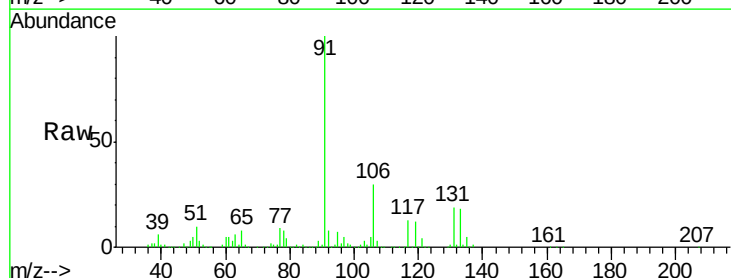
Manual Integrations
APPROVED

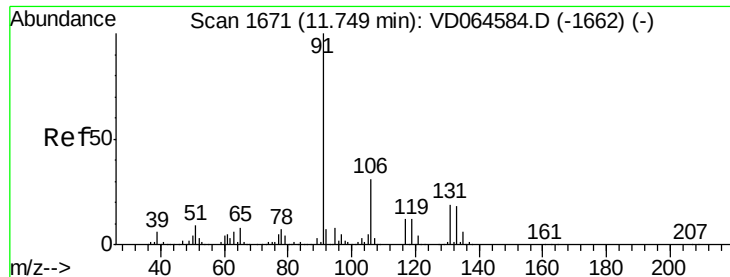
apatel
12/26/2019 11:14:21 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.920 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD064587.D
Acq: 24 Dec 2019 13:20

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.4	48.3	144.8
119	60.4	32.1	96.3





#67

Ethyl Benzene

Concen: 52.590 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.01 min

Lab File: VD064587.D

Acq: 24 Dec 2019 13:20

Instrument :

MSVOA_D

ClientSampleId :

ICVVD122419

Tot Ion: 91 Resp: 1080018

Ion Ratio Lower Upper

91 100

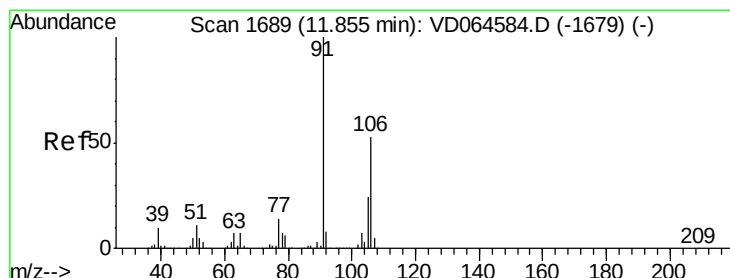
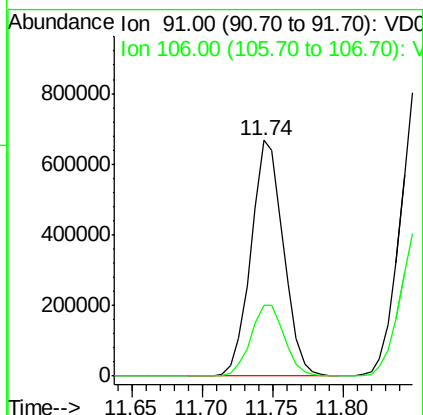
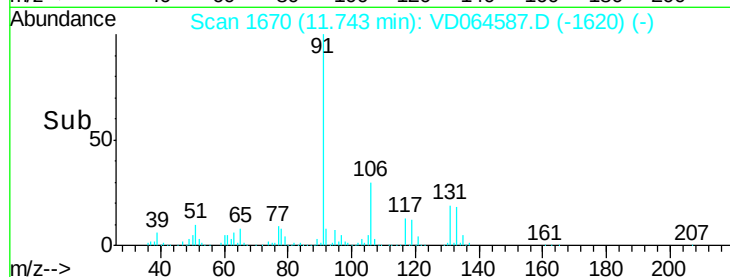
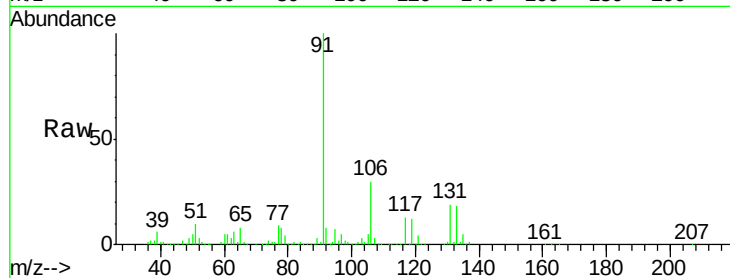
106 30.0 24.6 36.8

Manual Integrations

APPROVED

apatel

12/26/2019 11:14:21 AM



#68

m/p-Xylenes

Concen: 106.535 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064587.D

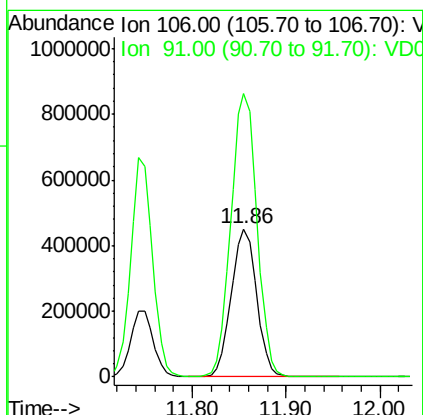
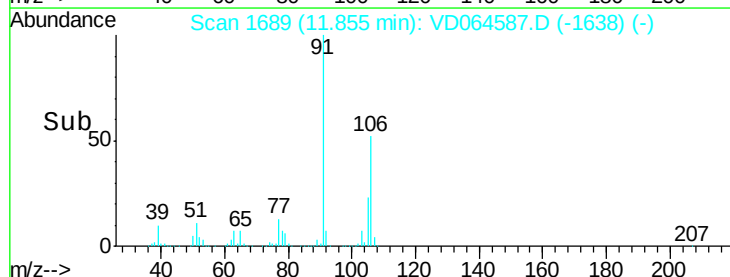
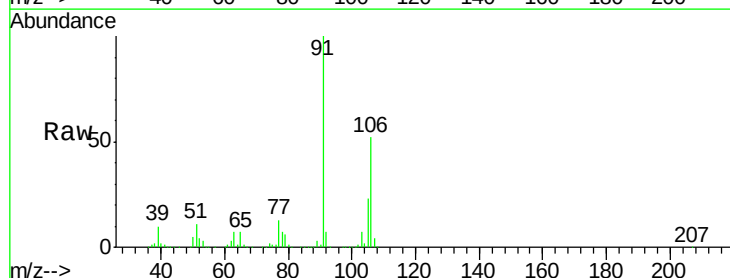
Acq: 24 Dec 2019 13:20

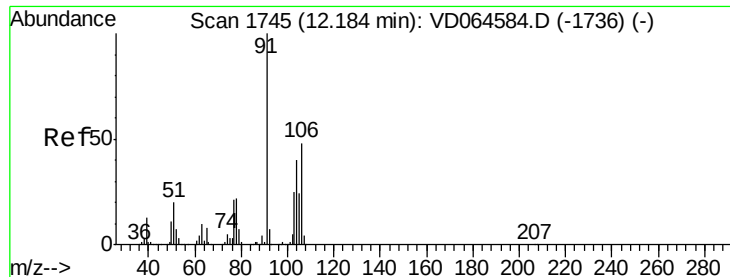
Tgt Ion: 106 Resp: 844462

Ion Ratio Lower Upper

106 100

91 196.2 156.3 234.5





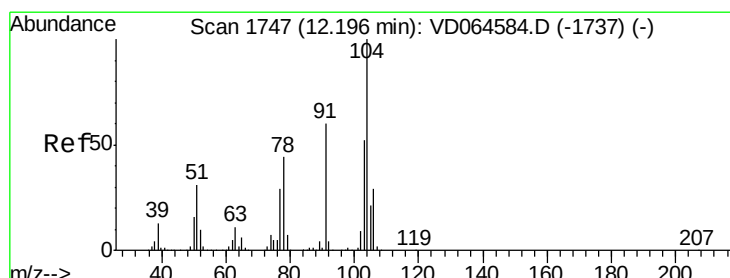
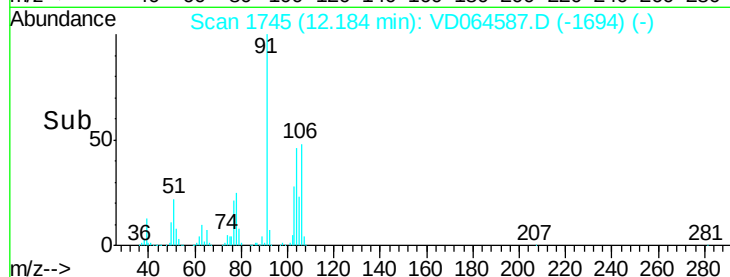
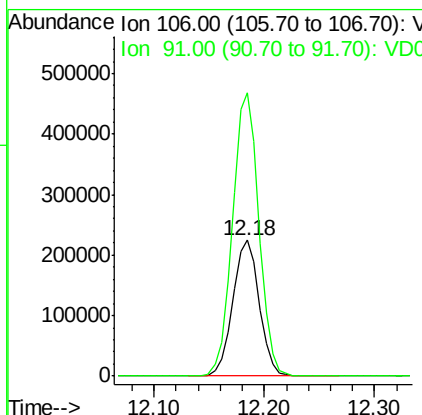
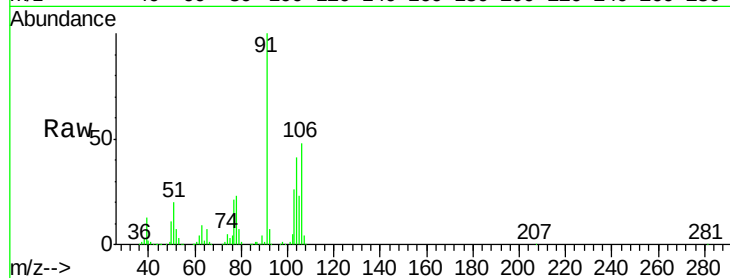
#69
o-Xylene
Concen: 52.659 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064587.D
Acq: 24 Dec 2019 13:20

Instrument :
MSVOA_D
ClientSampleId :
ICVVD122419

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	207.7	104.8	314.4	

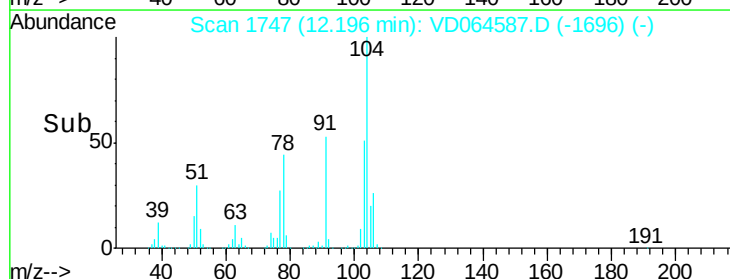
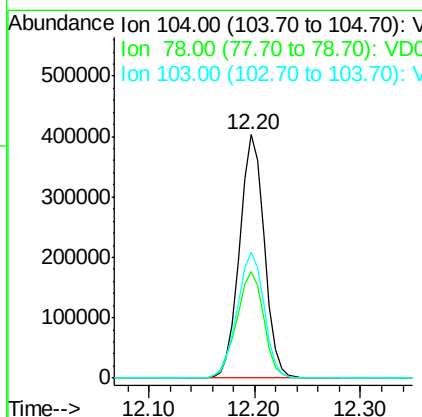
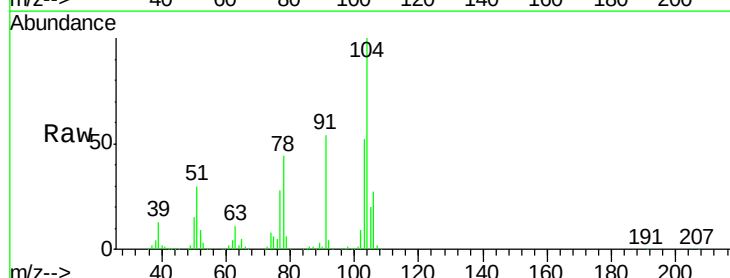
Manual Integrations
APPROVED

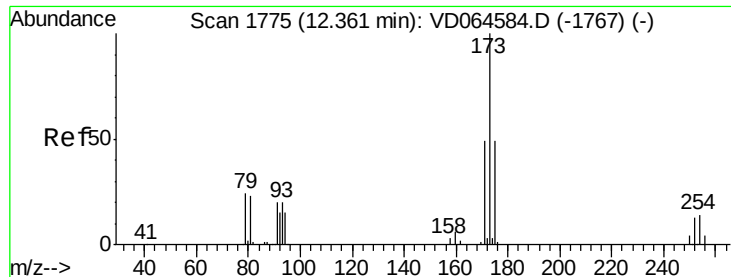
apatel
12/26/2019 11:14:21 AM



#70
Styrene
Concen: 51.828 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064587.D
Acq: 24 Dec 2019 13:20

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	48.2	38.2	57.2	
103	56.1	44.6	67.0	





#71

Bromoform

Concen: 50.671 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064587.D

Acq: 24 Dec 2019 13:20

Instrument :

MSVOA_D

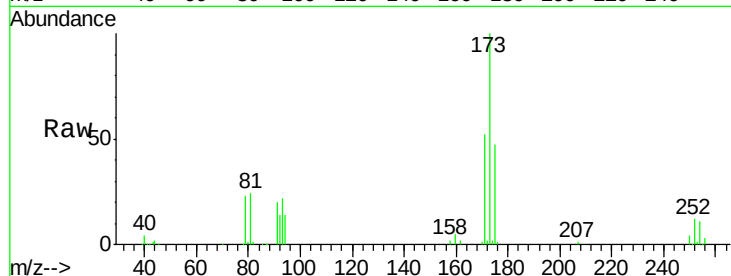
ClientSampleId :

ICVVD122419

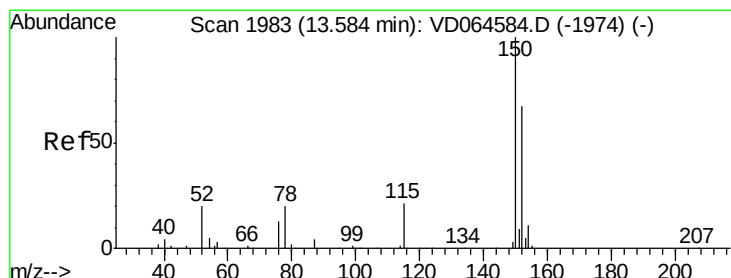
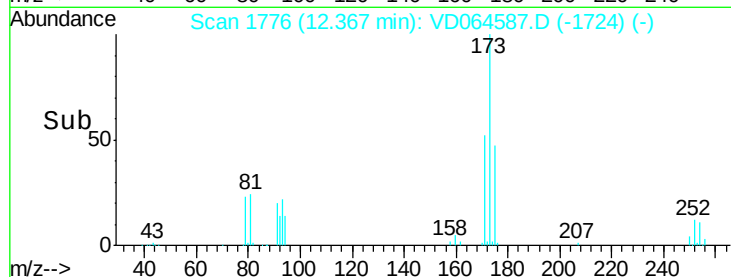
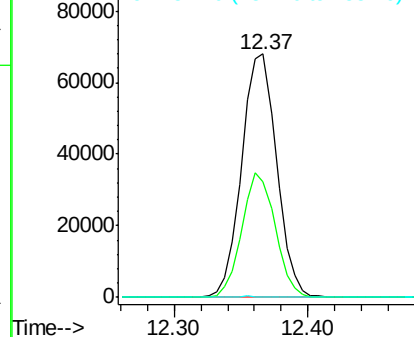
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.6	73.8
254	0.2	0.1	0.1#

Manual Integrations
APPROVED

apatel
12/26/2019 11:14:21 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

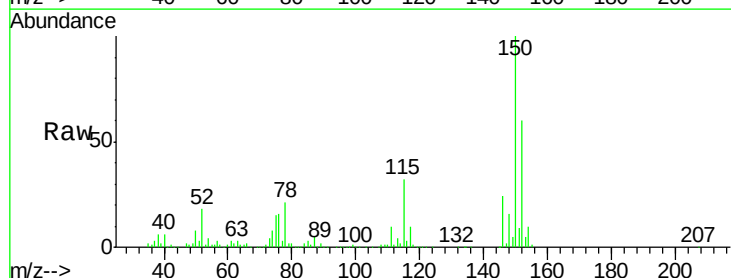
RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

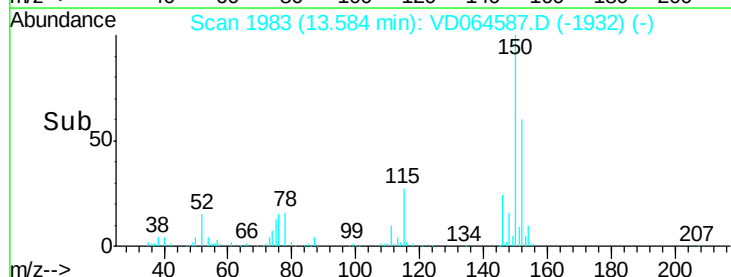
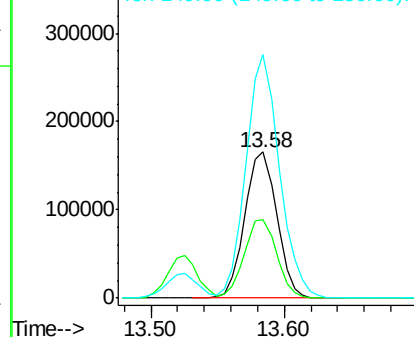
Lab File: VD064587.D

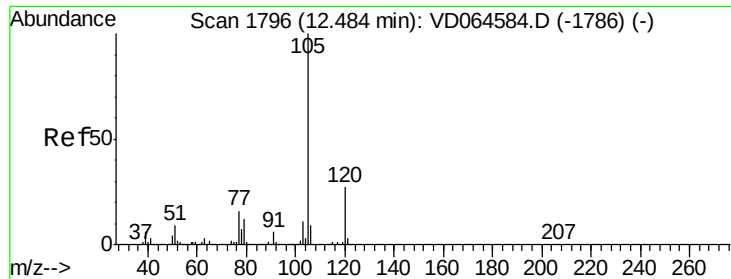
Acq: 24 Dec 2019 13:20

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.4	27.8	83.4
150	174.1	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





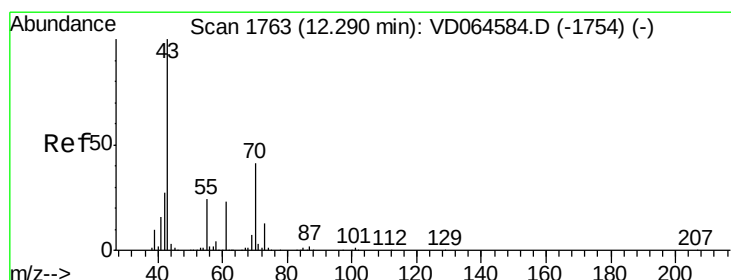
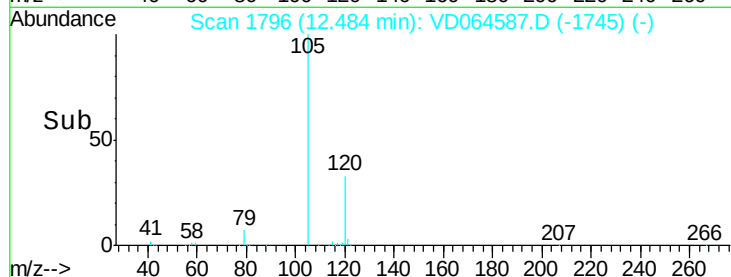
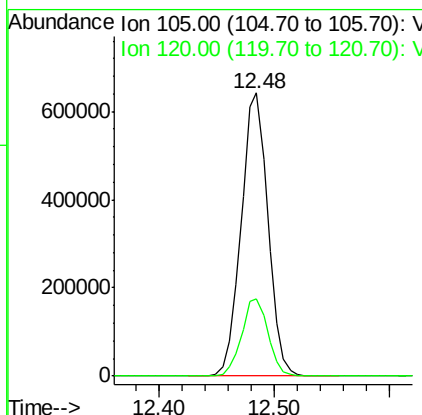
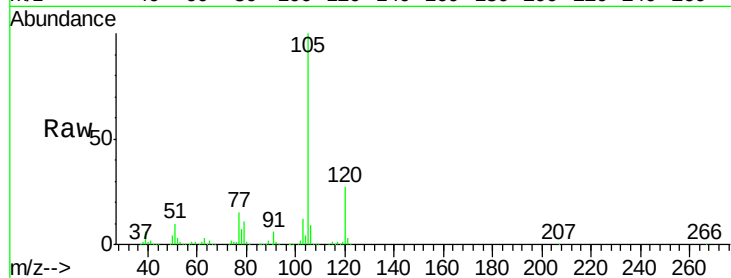
#73
Isopropylbenzene
Concen: 52.569 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD064587.D
Acq: 24 Dec 2019 13:20

Instrument :
MSVOA_D
ClientSampleId :
ICVVD122419

Tot Ion: 105 Resp: 1032159
Ion Ratio Lower Upper
105 100
120 27.1 13.5 40.5

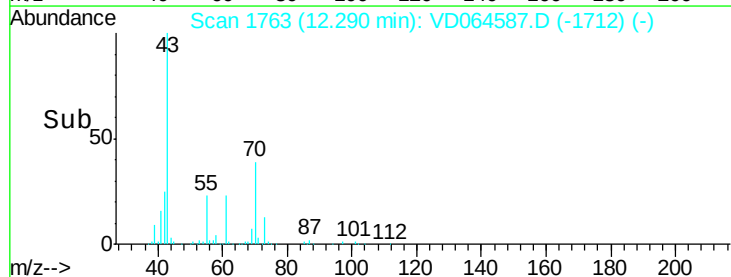
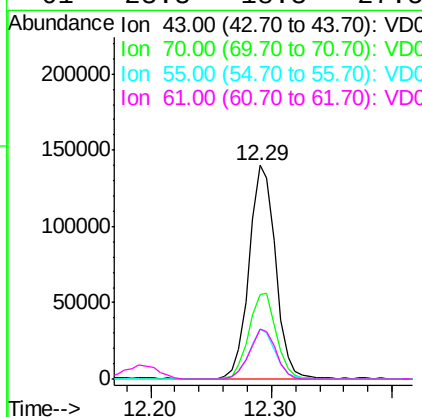
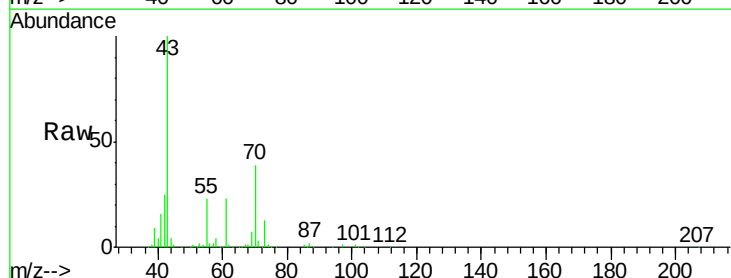
Manual Integrations
APPROVED

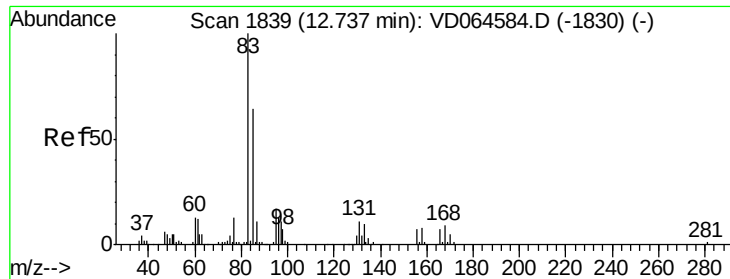
apatel
12/26/2019 11:14:21 AM



#74
N-ethyl acetate
Concen: 51.252 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. 0.00 min
Lab File: VD064587.D
Acq: 24 Dec 2019 13:20

Tgt Ion: 43 Resp: 215108
Ion Ratio Lower Upper
43 100
70 41.4 33.4 50.0
55 23.2 19.4 29.0
61 23.3 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 49.071 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064587.D

Acq: 24 Dec 2019 13:20

Instrument :

MSVOA_D

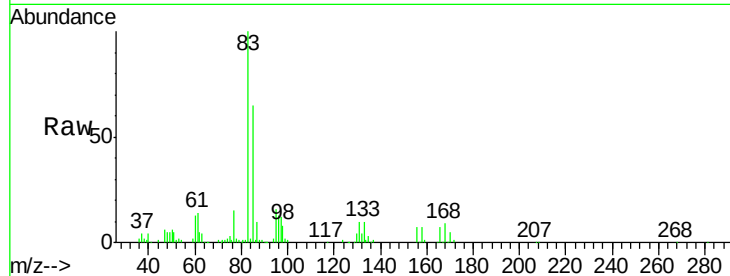
ClientSampleId :

ICVVD122419

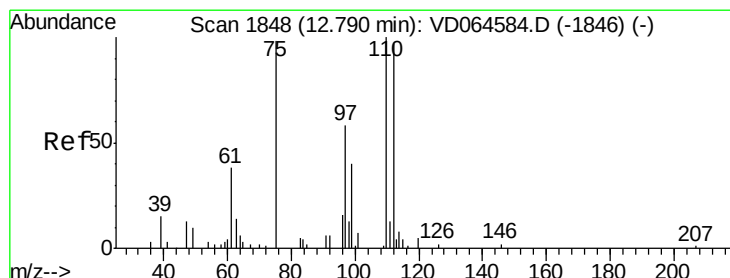
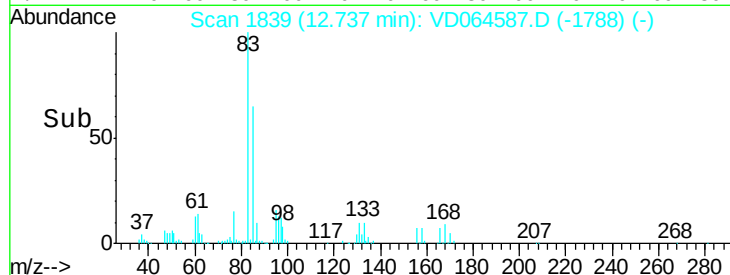
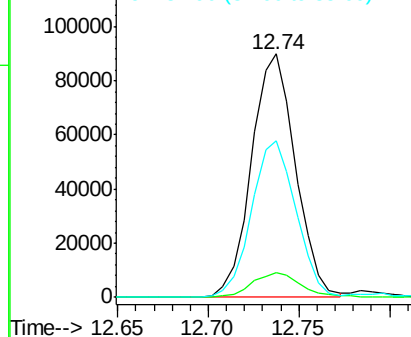
Tot Ion:	83	Resp:	151353
Ion	Ratio	Lower	Upper
83	100		
131	11.7	5.8	17.4
85	65.0	32.3	96.9

Manual Integrations
APPROVED

apatel
12/26/2019 11:14:21 AM



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



#76

1,2,3-Trichloropropane

Concen: 55.215 ug/l m

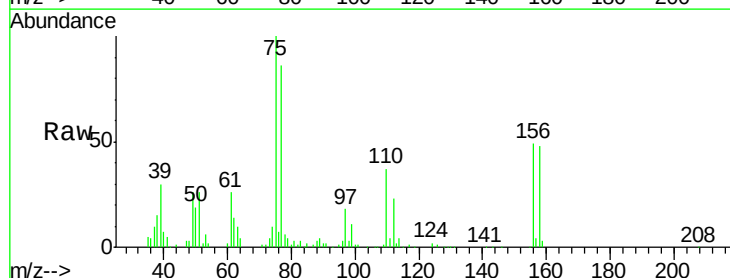
RT: 12.78 min Scan# 1847

Delta R.T. -0.01 min

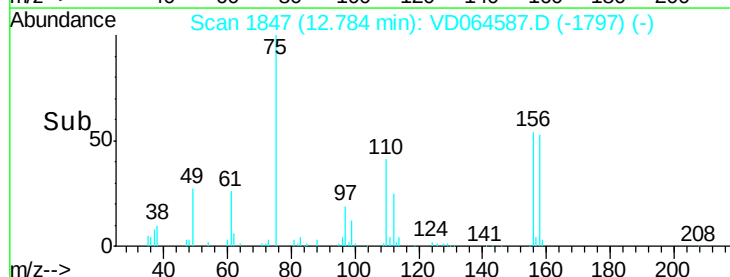
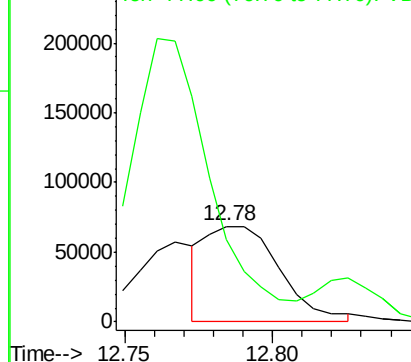
Lab File: VD064587.D

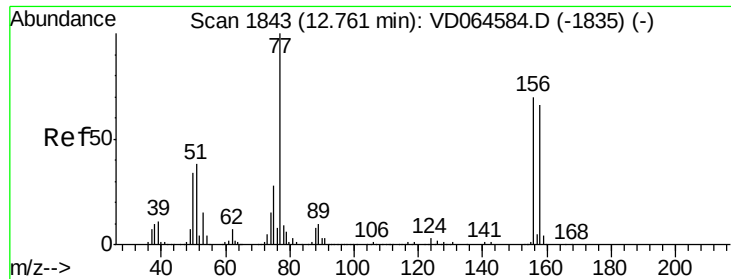
Acq: 24 Dec 2019 13:20

Tgt Ion:	75	Resp:	119795
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



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





#77

Bromobenzene

Concen: 50.744 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064587.D

Acq: 24 Dec 2019 13:20

Instrument :

MSVOA_D

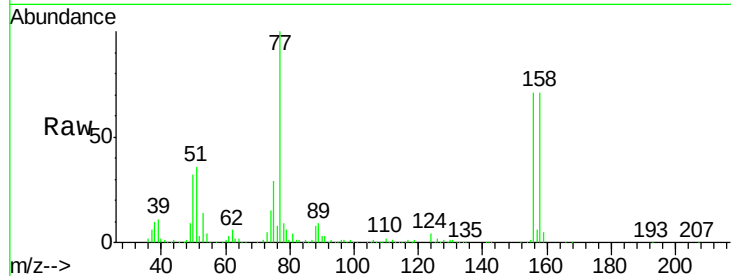
ClientSampleId :

ICVVD122419

Tot Ion	Ratio	Lower	Upper
156	100		
77	159.7	80.9	242.7
158	98.0	48.0	144.2

Manual Integrations
APPROVED

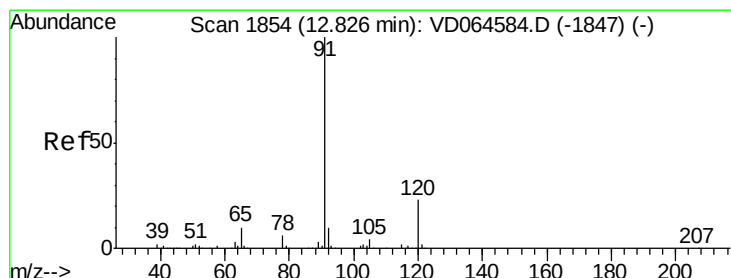
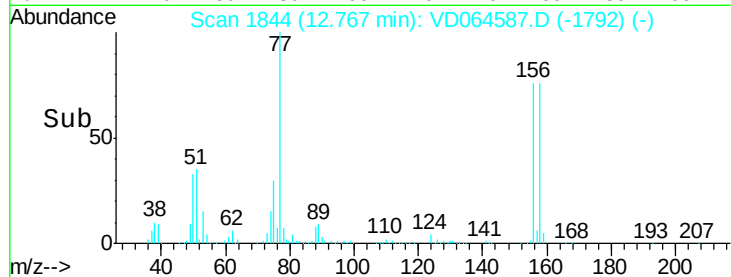
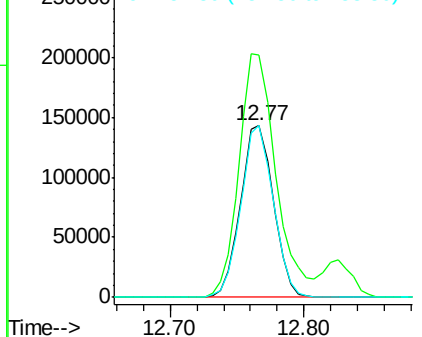
apatel
12/26/2019 11:14:21 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.076 ug/l

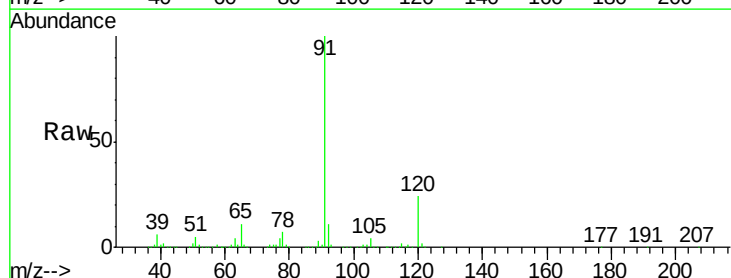
RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064587.D

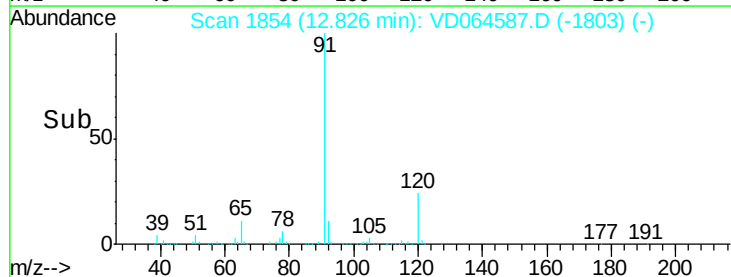
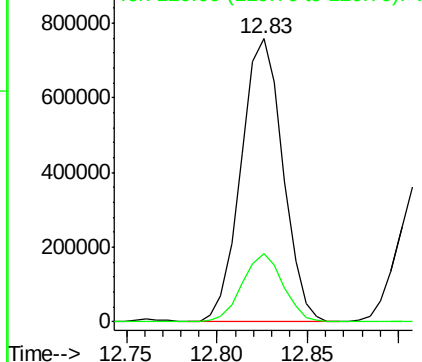
Acq: 24 Dec 2019 13:20

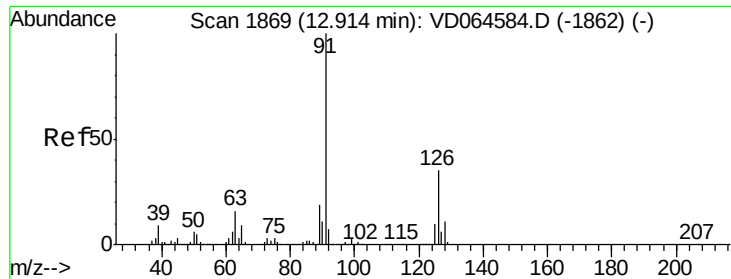
Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.6	11.9	35.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.111 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064587.D

Acq: 24 Dec 2019 13:20

Instrument :

MSVOA_D

ClientSampleId :

ICVVD122419

Tot Ion: 91 Resp: 643138

Ion Ratio Lower Upper

91 100

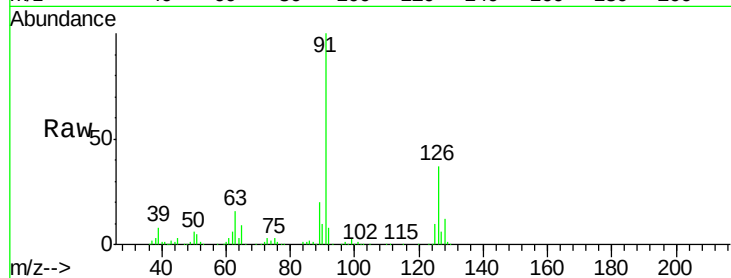
126 36.4 17.8 53.5

Manual Integrations

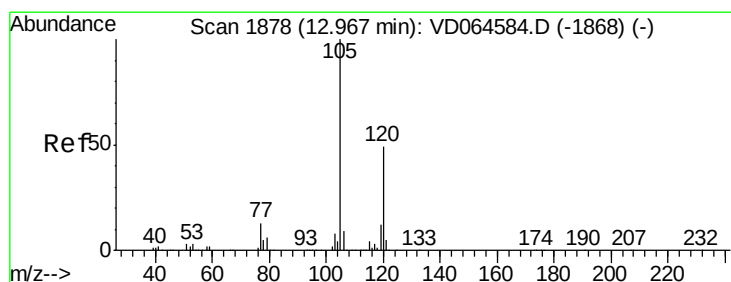
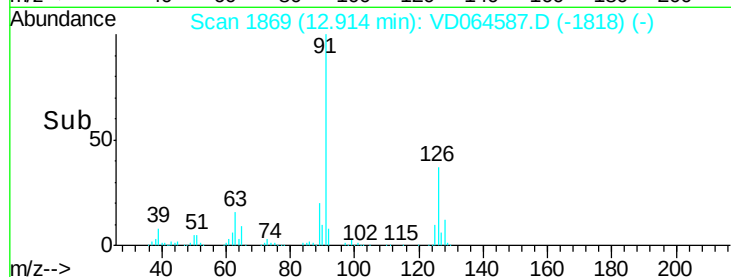
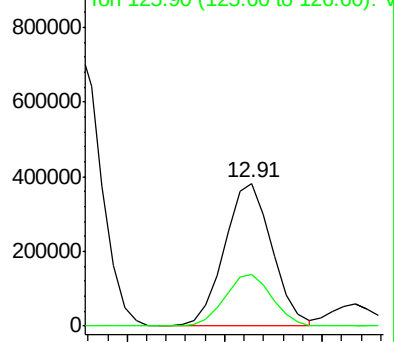
APPROVED

apatel

12/26/2019 11:14:21 AM



Abundance Ion 91.00 (90.70 to 91.70): VD064587.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 52.698 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064587.D

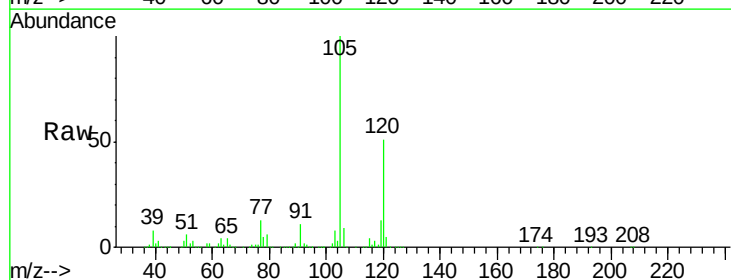
Acq: 24 Dec 2019 13:20

Tgt Ion: 105 Resp: 849941

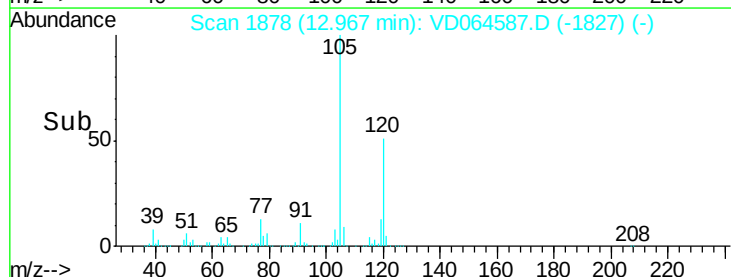
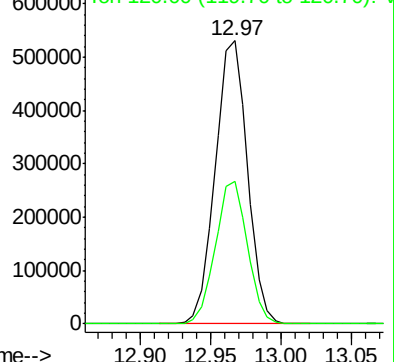
Ion Ratio Lower Upper

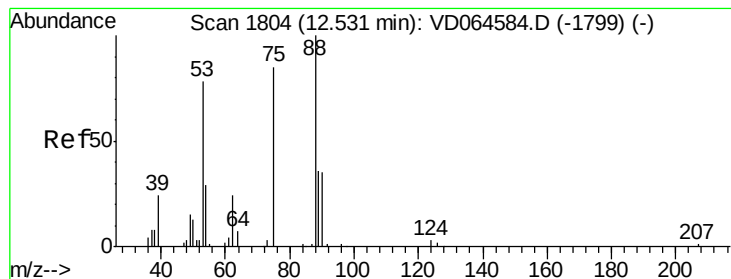
105 100

120 50.3 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VD064587.D (-1868) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 49.786 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD064587.D

Acq: 24 Dec 2019 13:20

Instrument :

MSVOA_D

ClientSampleId :

ICVVD122419

Tot Ion: 75 Resp: 51646

Ion Ratio Lower Upper

75 100

53 97.1 78.8 118.2

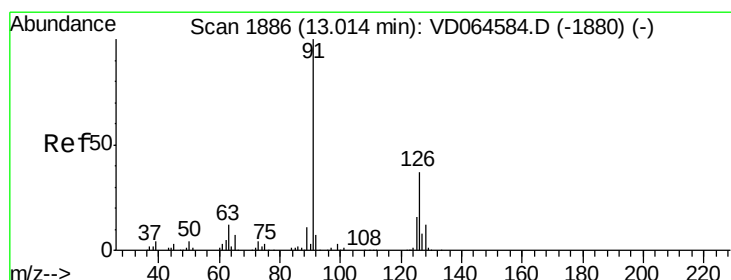
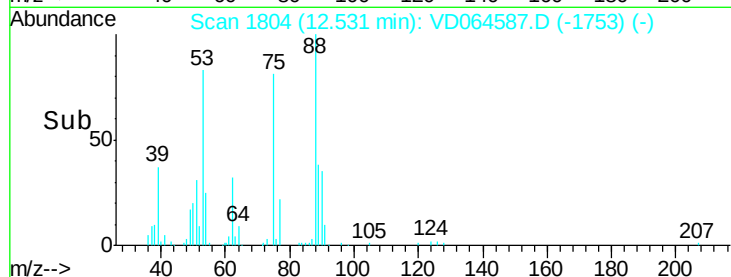
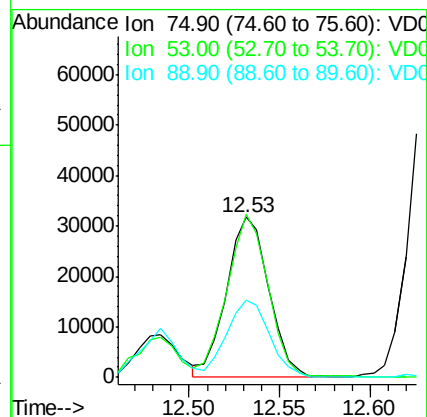
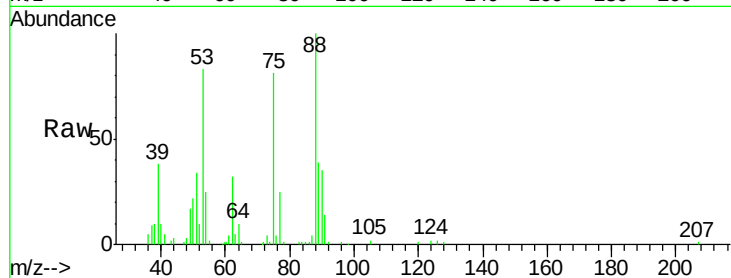
89 48.3 38.3 57.5

Manual Integrations

APPROVED

apatel

12/26/2019 11:14:21 AM



#82

4-Chlorotoluene

Concen: 51.447 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD064587.D

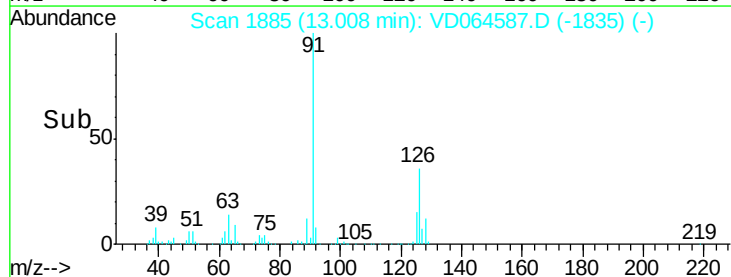
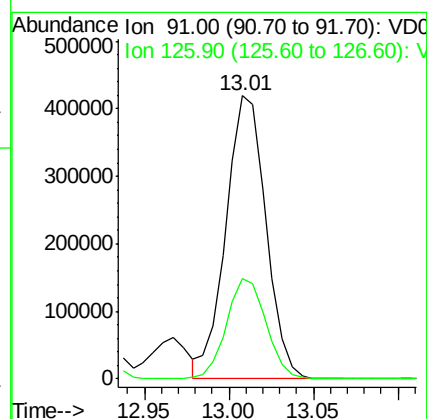
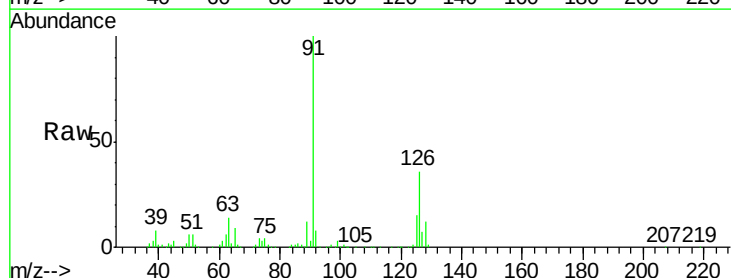
Acq: 24 Dec 2019 13:20

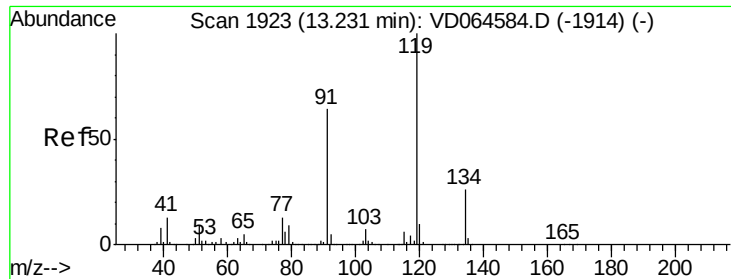
Tgt Ion: 91 Resp: 688917

Ion Ratio Lower Upper

91 100

126 35.2 17.8 53.5





#83

tert-Butylbenzene

Concen: 53.675 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. 0.00 min

Lab File: VD064587.D

Acq: 24 Dec 2019 13:20

Instrument :

MSVOA_D

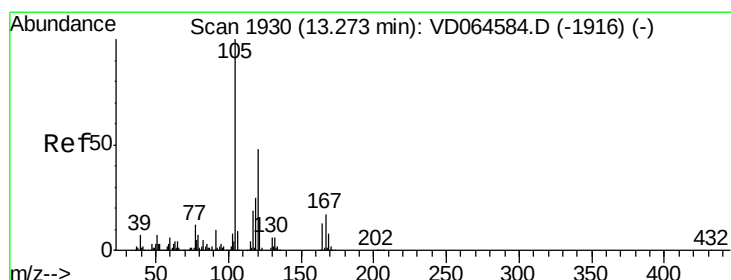
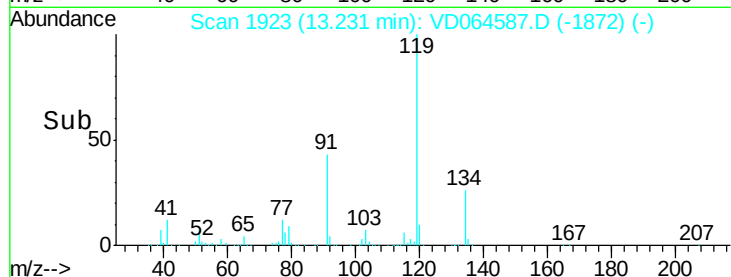
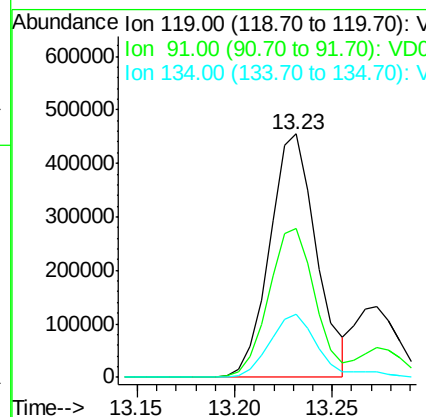
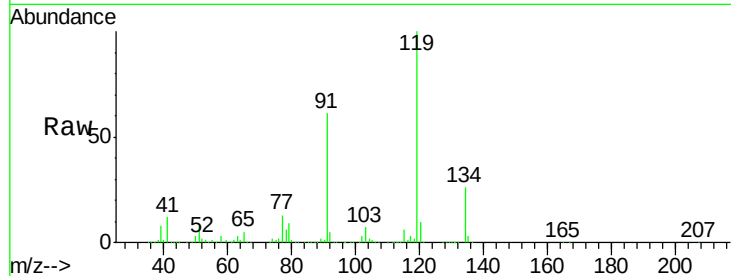
ClientSampleId :

ICVVD122419

Tot Ion:	119	Resp:	751647
Ion Ratio	Lower	Upper	
119	100		
91	60.8	30.8	92.4
134	27.6	12.8	38.3

Manual Integrations
APPROVED

apatel
12/26/2019 11:14:21 AM



#84

1,2,4-Trimethylbenzene

Concen: 52.873 ug/l

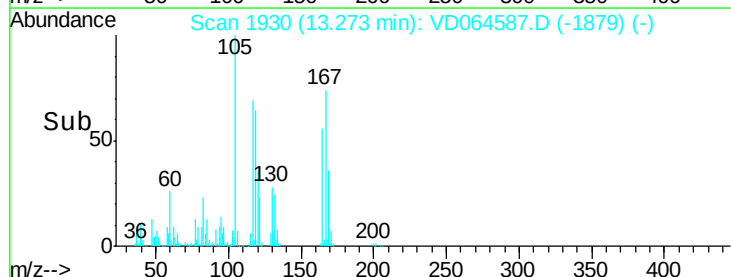
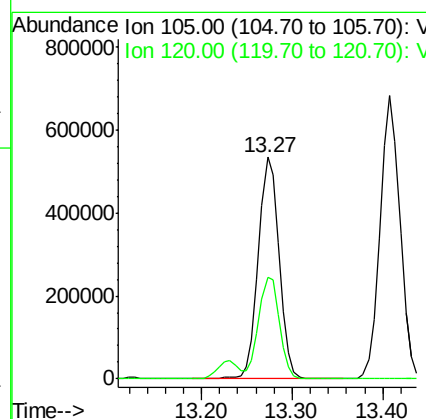
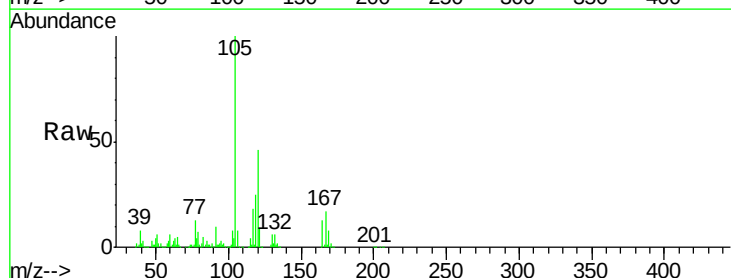
RT: 13.27 min Scan# 1930

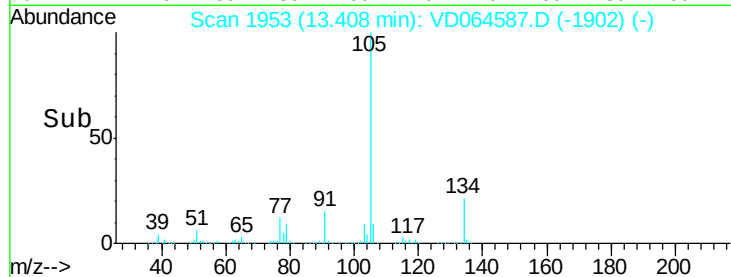
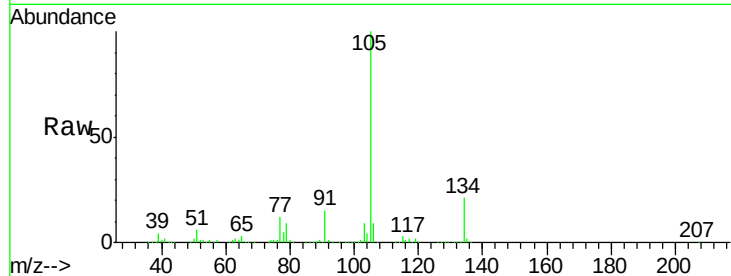
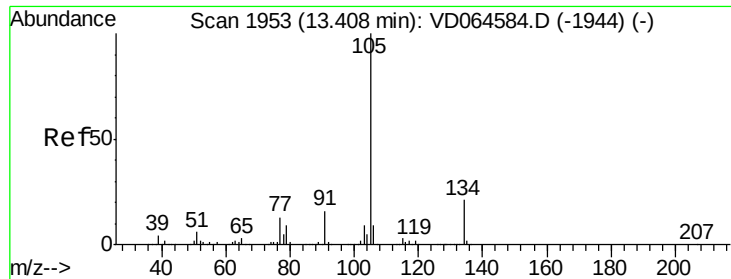
Delta R.T. 0.00 min

Lab File: VD064587.D

Acq: 24 Dec 2019 13:20

Tgt Ion:	105	Resp:	849301
Ion Ratio	Lower	Upper	
105	100		
120	45.7	23.8	71.2





#85

sec-Butylbenzene

Concen: 53.970 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064587.D

Acq: 24 Dec 2019 13:20

Tot Ion:105 Resp: 1036137

Ion Ratio Lower Upper

105 100

134 20.9 10.6 31.8

Instrument :

MSVOA_D

ClientSampleId :

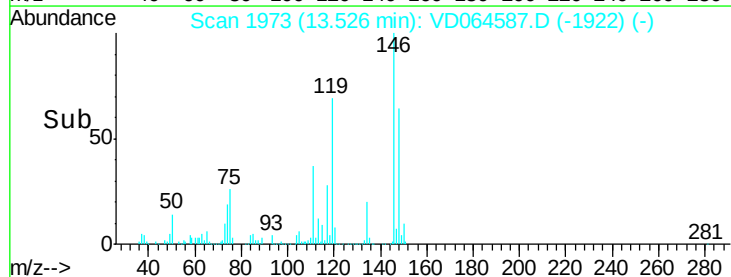
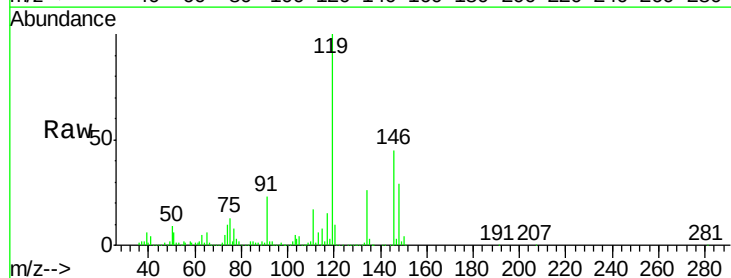
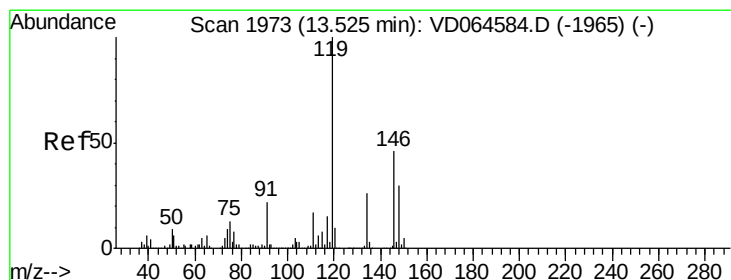
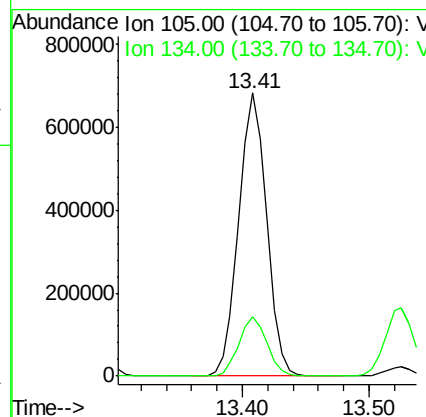
ICVVD122419

Manual Integrations

APPROVED

apatel

12/26/2019 11:14:21 AM



#86

p-Isopropyltoluene

Concen: 53.215 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064587.D

Acq: 24 Dec 2019 13:20

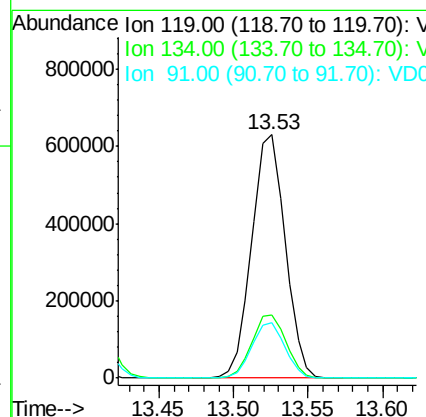
Tgt Ion:119 Resp: 976869

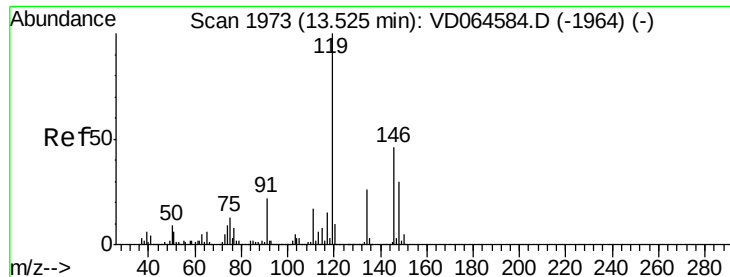
Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.1

91 22.6 11.2 33.6





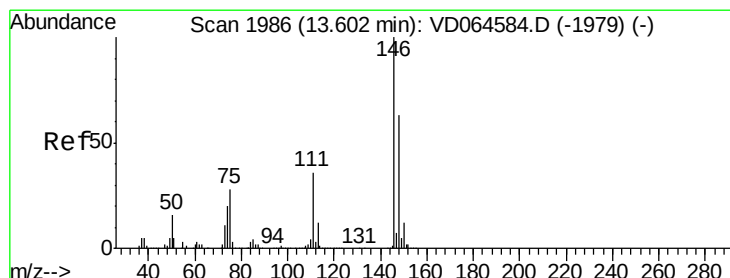
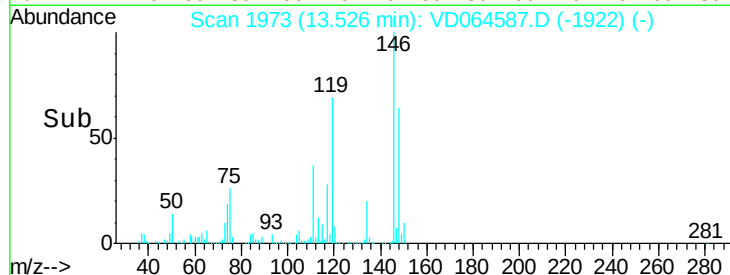
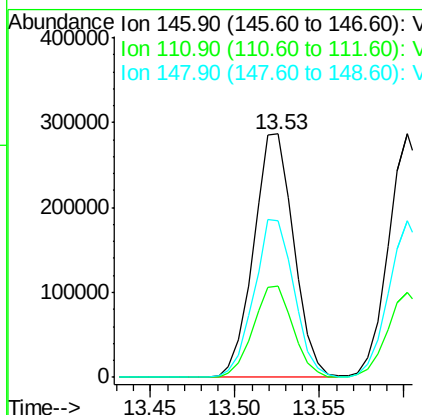
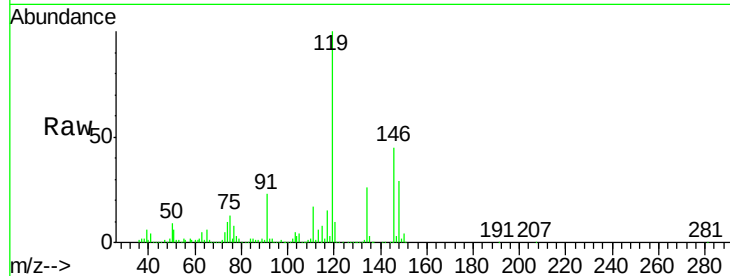
#87
 1,3-Dichlorobenzene
 Concen: 51.585 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064587.D
 Acq: 24 Dec 2019 13:20

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD122419

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	37.1	18.8	56.4	
148	64.5	32.5	97.5	

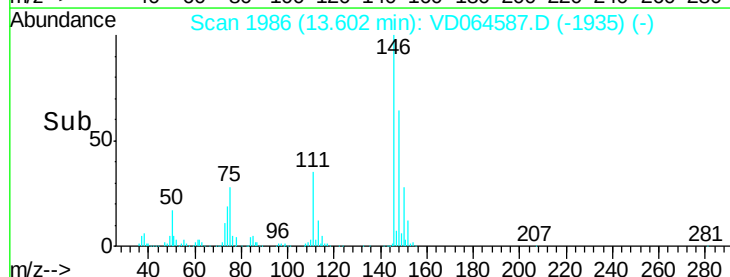
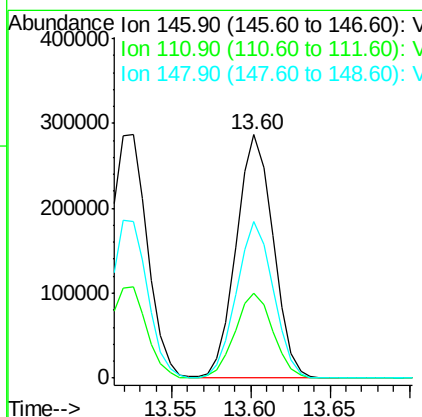
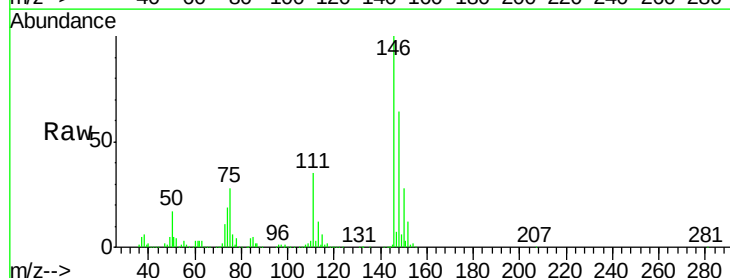
Manual Integrations
 APPROVED

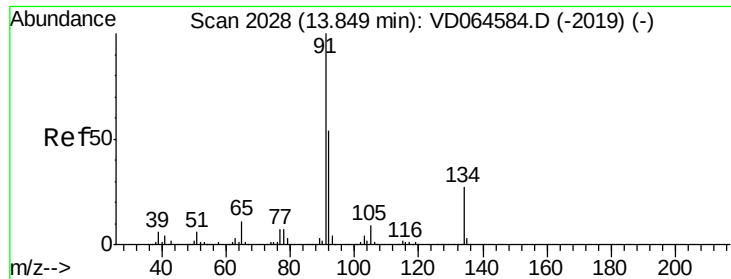
apatel
 12/26/2019 11:14:21 AM



#88
 1,4-Dichlorobenzene
 Concen: 51.421 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064587.D
 Acq: 24 Dec 2019 13:20

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
111	36.0	18.1	54.1	
148	64.2	32.3	96.9	





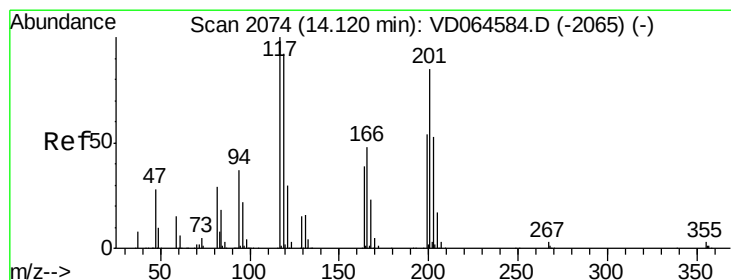
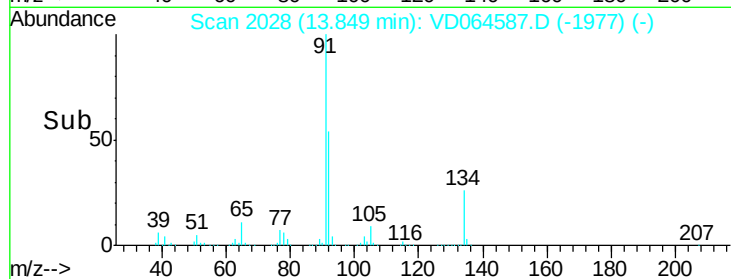
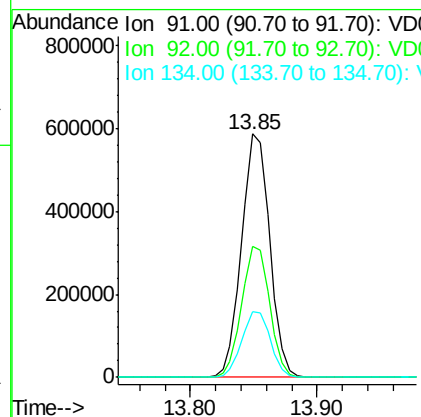
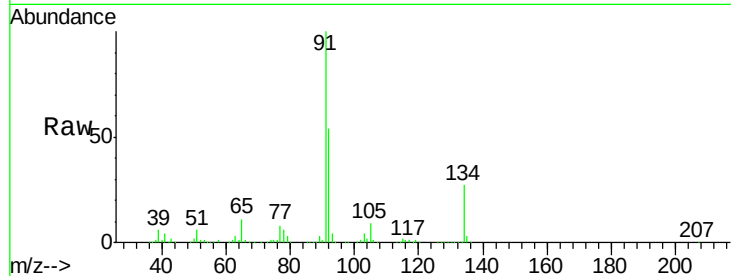
#89
n-Butylbenzene
Concen: 54.596 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064587.D
Acq: 24 Dec 2019 13:20

Instrument :
MSVOA_D
ClientSampleId :
ICVVD122419

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.6	26.8	80.4	
134	27.5	14.0	41.9	

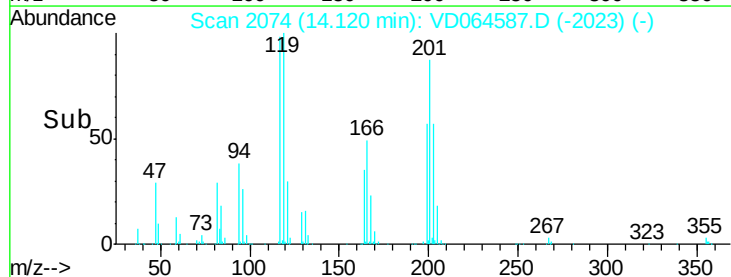
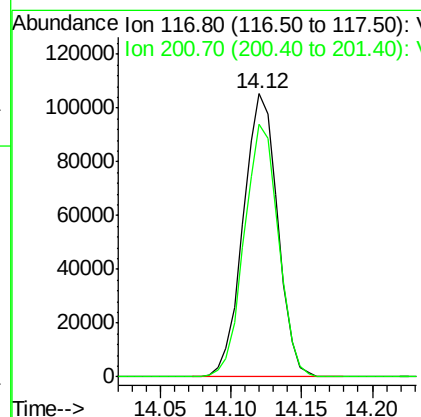
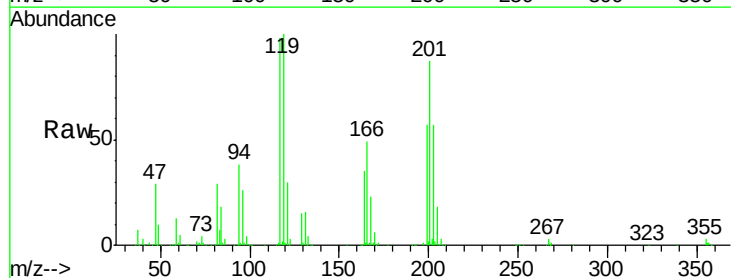
Manual Integrations
APPROVED

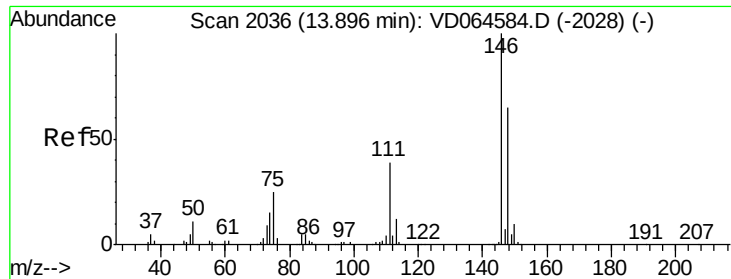
apatel
12/26/2019 11:14:21 AM



#90
Hexachloroethane
Concen: 51.314 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064587.D
Acq: 24 Dec 2019 13:20

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	88.7	44.0	131.8	





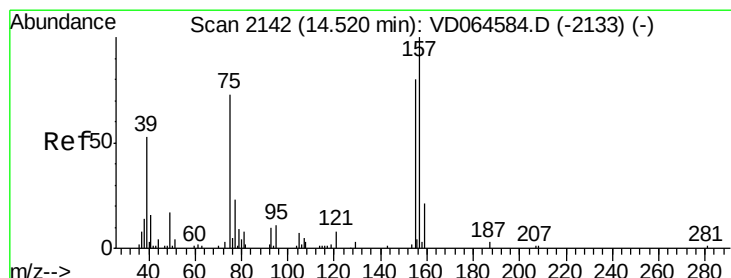
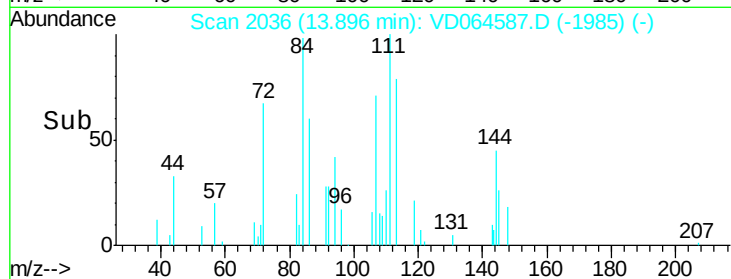
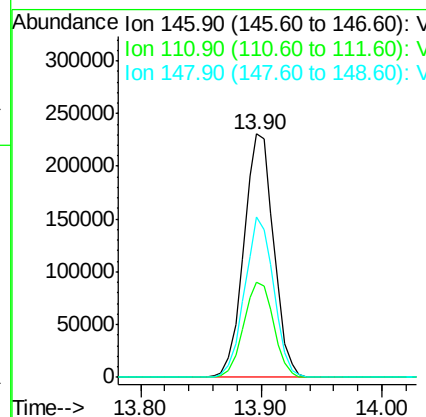
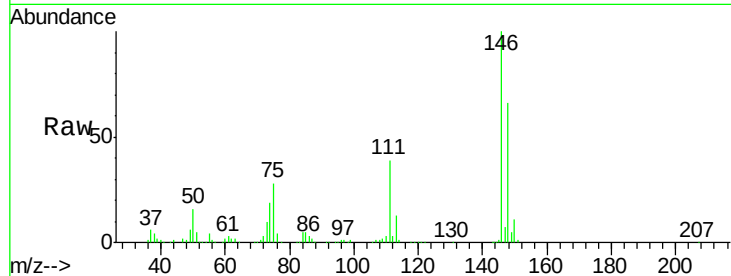
#91
 1,2-Dichlorobenzene
 Concen: 50.693 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064587.D
 Acq: 24 Dec 2019 13:20

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD122419

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.3	57.9
148	64.2	31.9	95.5

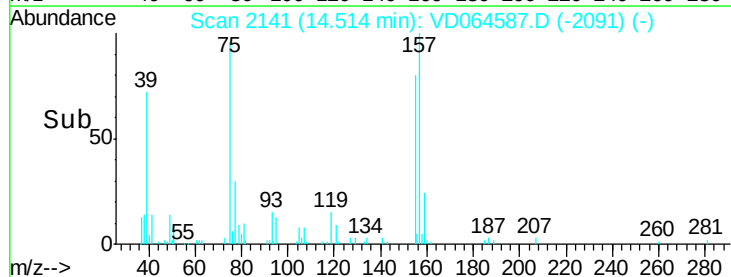
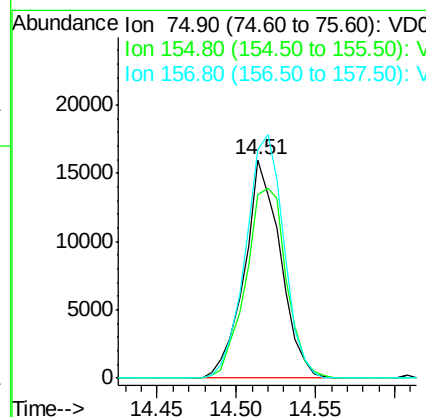
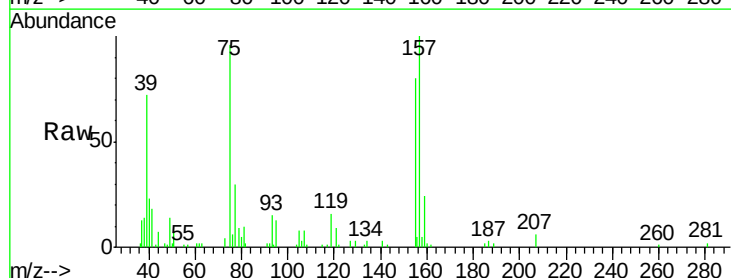
Manual Integrations
 APPROVED

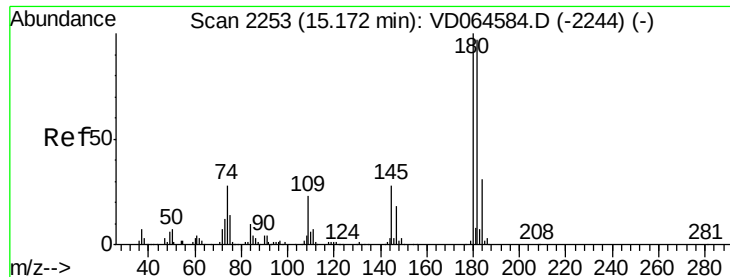
apatel
 12/26/2019 11:14:21 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.447 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD064587.D
 Acq: 24 Dec 2019 13:20

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.7	48.0	144.0
157	117.9	64.1	192.3





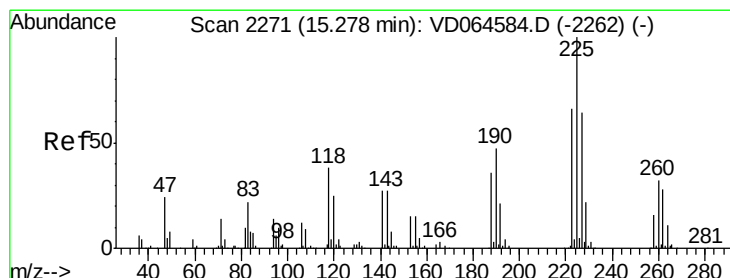
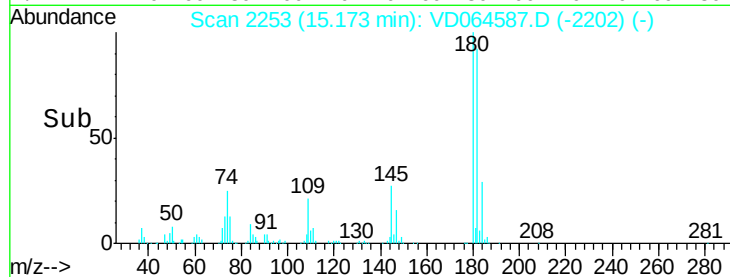
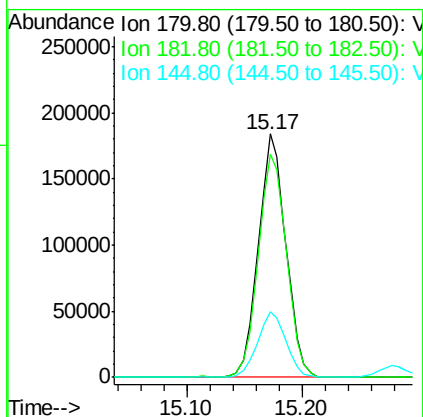
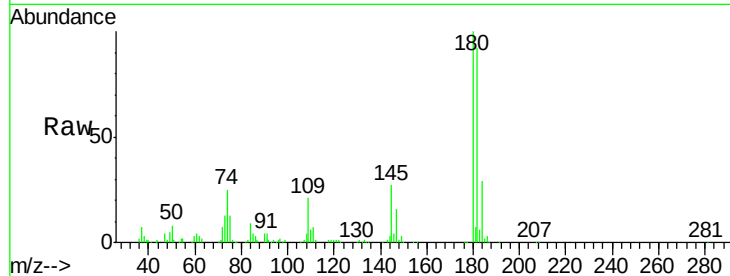
#93
 1,2,4-Trichlorobenzene
 Concen: 52.924 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064587.D
 Acq: 24 Dec 2019 13:20

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD122419

Tot Ion	Ratio	Resp	Lower	Upper
180	100	305604		
182	94.2	48.0	144.2	
145	27.9	13.8	41.4	

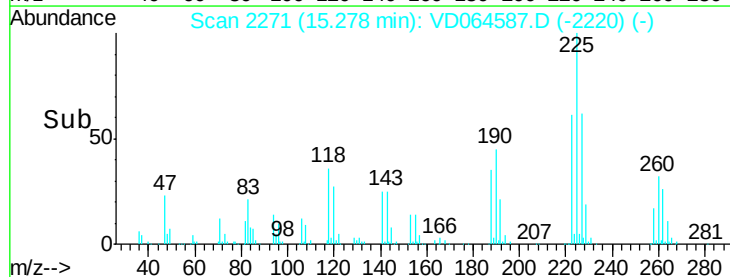
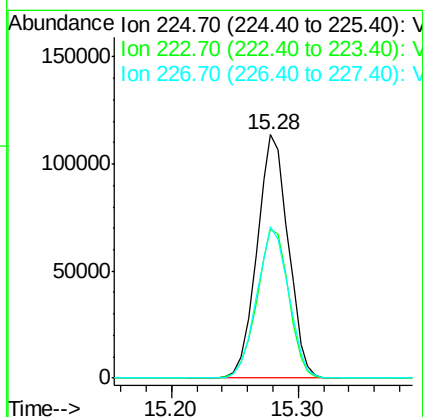
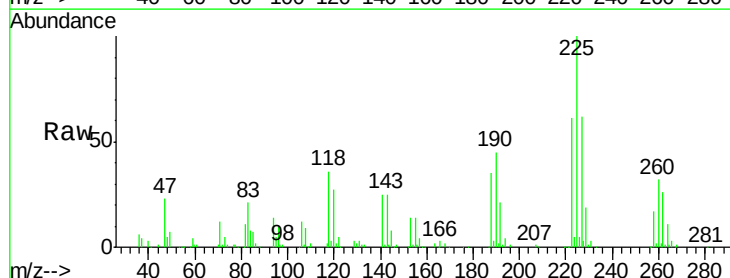
Manual Integrations
 APPROVED

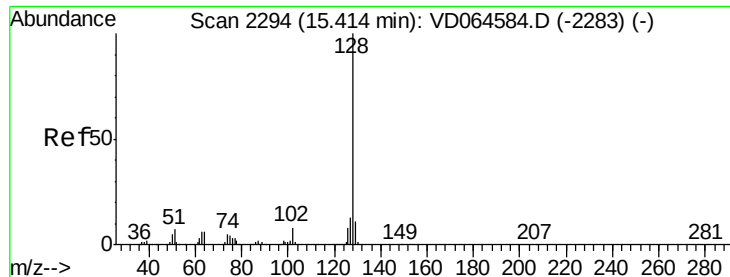
apatel
 12/26/2019 11:14:21 AM



#94
 Hexachlorobutadiene
 Concen: 53.740 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064587.D
 Acq: 24 Dec 2019 13:20

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	195274		
223	62.2	31.1	93.2	
227	63.2	30.9	92.7	





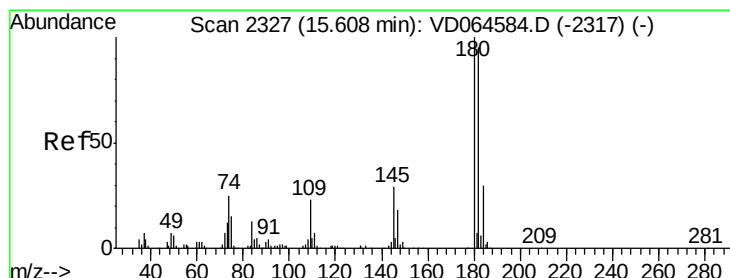
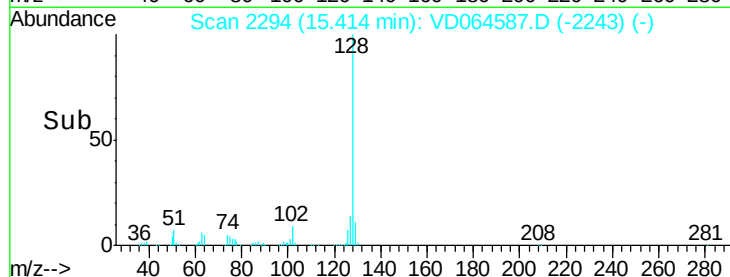
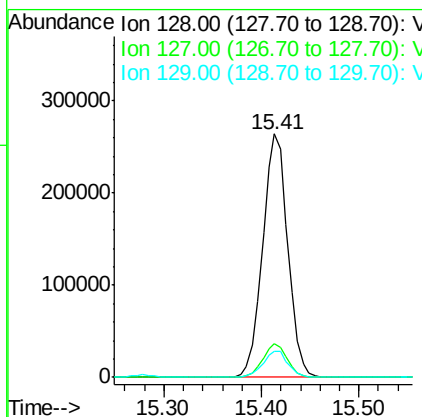
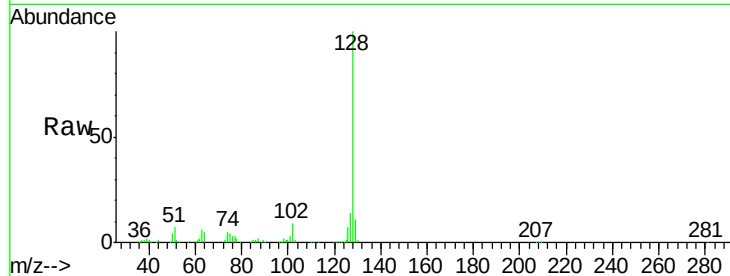
#95
Naphthalene
Concen: 52.360 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064587.D
Acq: 24 Dec 2019 13:20

Instrument :
MSVOA_D
ClientSampleId :
ICVVD122419

Tot Ion	Ratio	Resp	Lower	Upper
128	100	478311		
127	13.5	10.3	15.5	
129	10.8	8.5	12.7	

Manual Integrations
APPROVED

apatel
12/26/2019 11:14:21 AM



#96
1,2,3-Trichlorobenzene
Concen: 52.284 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD064587.D
Acq: 24 Dec 2019 13:20

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	257738		
182	95.6	47.9	143.7	
145	29.6	14.9	44.7	

