

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041520\
 Data File : VD065636.D
 Acq On : 15 Apr 2020 15:32
 Operator : VA/SY
 Sample : VSTDICCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 4/16/2020 3:13:36 PM

Quant Time: Apr 15 19:47:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 15 18:47:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	233217	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	319131	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	309471	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	161071	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	102513	46.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.42%	
35) Dibromofluoromethane	7.92	113	102600	46.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.66%	
50) Toluene-d8	10.34	98	383600	48.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.20%	
62) 4-Bromofluorobenzene	12.64	95	130026	50.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	102363	49.217	ug/l	100
3) Chloromethane	2.21	50	105422	41.527	ug/l	100
4) Vinyl Chloride	2.35	62	113857	47.361	ug/l	100
5) Bromomethane	2.77	94	59117	35.995	ug/l	100
6) Chloroethane	2.92	64	67430	45.559	ug/l	100
7) Trichlorofluoromethane	3.27	101	159887	44.084	ug/l	100
8) Diethyl Ether	3.71	74	35714	47.931	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	72998	32.618	ug/l	100
10) Methyl Iodide	4.30	142	91506	41.640	ug/l	100
11) Tert butyl alcohol	5.24	59	20427	193.337	ug/l	100
12) 1,1-Dichloroethene	4.06	96	65788	31.977	ug/l	100
13) Acrolein	3.93	56	26261	178.612	ug/l	100
14) Allyl chloride	4.71	41	104966	34.363	ug/l	100
15) Acrylonitrile	5.43	53	81039	189.612	ug/l	100
16) Acetone	4.16	43	72575	190.741	ug/l	100
17) Carbon Disulfide	4.40	76	222041	32.456	ug/l	100
18) Methyl Acetate	4.71	43	40017	36.172	ug/l	100
19) Methyl tert-butyl Ether	5.49	73	162216	40.036	ug/l	100
20) Methylene Chloride	4.96	84	78157	31.682	ug/l	100
21) trans-1,2-Dichloroethene	5.47	96	80985	34.629	ug/l	100
22) Diisopropyl ether	6.37	45	340848	53.560	ug/l	100
23) Vinyl Acetate	6.31	43	955847	281.610	ug/l	100
24) 1,1-Dichloroethane	6.26	63	196849	47.042	ug/l	100
25) 2-Butanone	7.22	43	148507	267.545	ug/l	100
26) 2,2-Dichloropropane	7.21	77	168710	45.264	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	123589	48.385	ug/l	100
28) Bromochloromethane	7.55	49	81997	48.224	ug/l	100
29) Tetrahydrofuran	7.57	42	98357	280.155	ug/l	100
30) Chloroform	7.71	83	201828	46.144	ug/l	100
31) Cyclohexane	7.99	56	184989	47.356	ug/l	100
32) 1,1,1-Trichloroethane	7.90	97	179108	45.530	ug/l	100
36) 1,1-Dichloropropene	8.11	75	160138	49.519	ug/l	100
37) Ethyl Acetate	7.30	43	71296	56.914	ug/l	100
38) Carbon Tetrachloride	8.10	117	169978	48.382	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041520\
 Data File : VD065636.D
 Acq On : 15 Apr 2020 15:32
 Operator : VA/SY
 Sample : VSTDICCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 4/16/2020 3:13:36 PM

Quant Time: Apr 15 19:47:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 15 18:47:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	194068	53.016	ug/l	100
40) Benzene	8.36	78	461715	49.819	ug/l	100
41) Methacrylonitrile	7.53	41	28640m	40.349	ug/l	
42) 1,2-Dichloroethane	8.43	62	132045	50.379	ug/l	100
43) Isopropyl Acetate	8.46	43	125768	55.743	ug/l	100
44) Trichloroethene	9.11	130	126908	47.933	ug/l	100
45) 1,2-Dichloropropane	9.39	63	116149	51.074	ug/l	100
46) Dibromomethane	9.48	93	61329	50.034	ug/l	100
47) Bromodichloromethane	9.67	83	160423	50.153	ug/l	100
48) Methyl methacrylate	9.46	41	66638	61.935	ug/l	100
49) 1,4-Dioxane	9.47	88	15051	1129.039	ug/l	100
51) 4-Methyl-2-Pentanone	10.23	43	336573	287.221	ug/l	100
52) Toluene	10.41	92	294204	50.365	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	155808	54.296	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	183458	52.570	ug/l	100
55) 1,1,2-Trichloroethane	10.80	97	88051	50.856	ug/l	100
56) Ethyl methacrylate	10.67	69	103121	58.813	ug/l	100
57) 1,3-Dichloropropane	10.95	76	149045	51.988	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	249493	273.333	ug/l	100
59) 2-Hexanone	10.99	43	233752	298.783	ug/l	100
60) Dibromochloromethane	11.14	129	114806	50.229	ug/l	100
61) 1,2-Dibromoethane	11.25	107	84918	51.571	ug/l	100
64) Tetrachloroethene	10.88	164	112441	46.764	ug/l	100
65) Chlorobenzene	11.67	112	313284	47.707	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	119323	47.753	ug/l	100
67) Ethyl Benzene	11.75	91	549013	50.749	ug/l	100
68) m/p-Xylenes	11.86	106	429741	101.044	ug/l	100
69) o-Xylene	12.18	106	191464	52.050	ug/l	100
70) Styrene	12.20	104	347426	53.361	ug/l	100
71) Bromoform	12.37	173	70730	49.547	ug/l #	100
73) Isopropylbenzene	12.48	105	519546	51.834	ug/l	100
74) N-amyl acetate	12.30	43	117592	57.189	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	94257	49.967	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	74886m	56.482	ug/l	
77) Bromobenzene	12.77	156	135949	49.135	ug/l	100
78) n-propylbenzene	12.83	91	627228	51.764	ug/l	100
79) 2-Chlorotoluene	12.91	91	350484	50.380	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	445864	52.487	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	32975	58.294	ug/l	100
82) 4-Chlorotoluene	13.01	91	376666	50.126	ug/l	100
83) tert-Butylbenzene	13.23	119	369872	52.592	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	443728	52.700	ug/l	100
85) sec-Butylbenzene	13.41	105	524617	51.971	ug/l	100
86) p-Isopropyltoluene	13.53	119	493855	53.055	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	260490	48.610	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	259241	48.410	ug/l	100
89) n-Butylbenzene	13.85	91	447570	53.061	ug/l	100
90) Hexachloroethane	14.12	117	97125	47.664	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	227802	49.808	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	14530	49.535	ug/l	100

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD041520\
Data File : VD065636.D
Acq On : 15 Apr 2020 15:32
Operator : VA/SY
Sample : VSTDICCC050
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

MMDadoda
4/16/2020 3:13:36 PM

Quant Time: Apr 15 19:47:29 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D041520S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 15 18:47:17 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	160025	52.939	ug/l	100
94) Hexachlorobutadiene	15.28	225	105055	50.128	ug/l	100
95) Naphthalene	15.41	128	260558	58.636	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	146423	55.308	ug/l	100

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

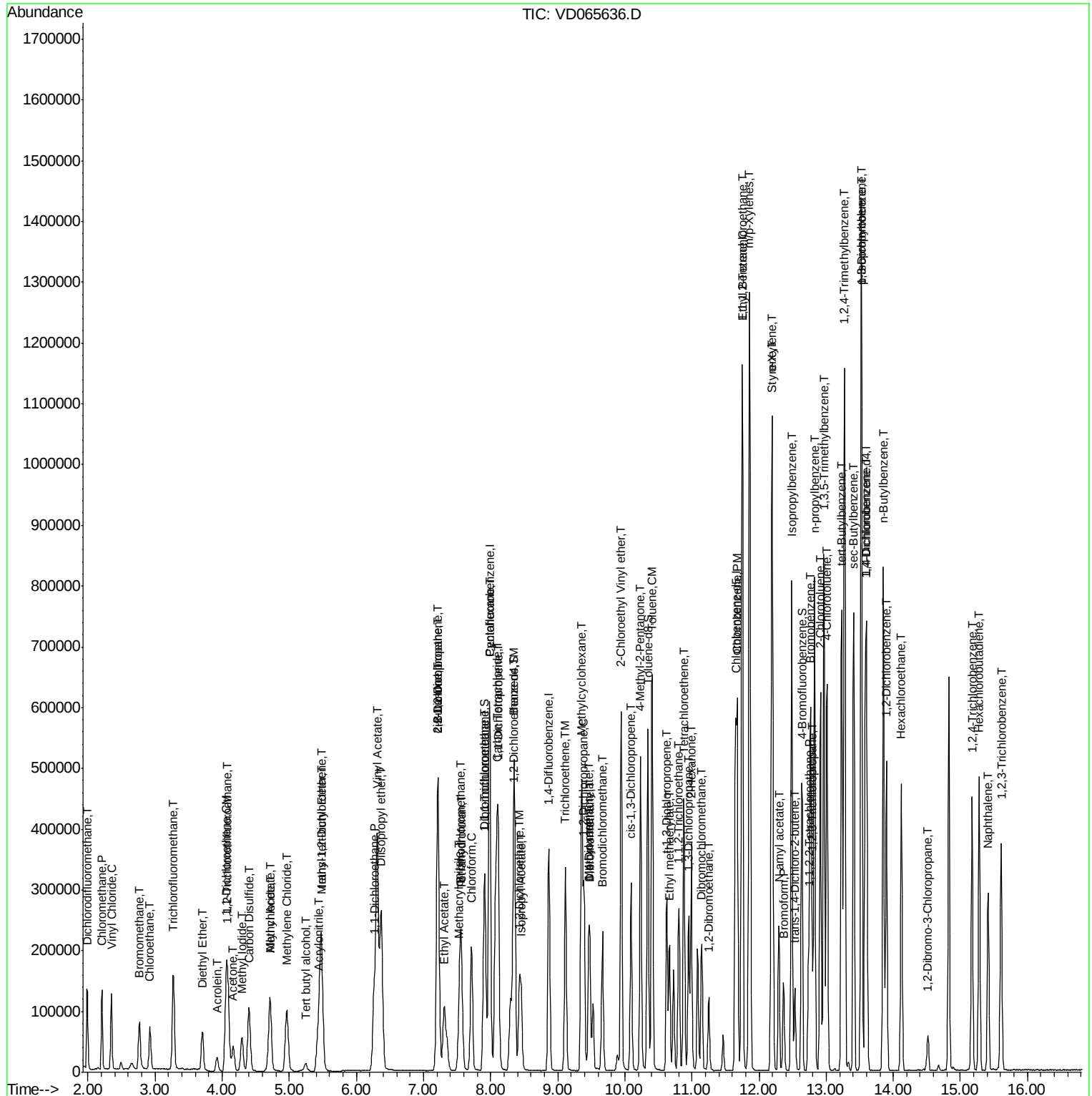
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD041520\
 Data File : VD065636.D
 Acq On : 15 Apr 2020 15:32
 Operator : VA/SY
 Sample : VSTDICCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

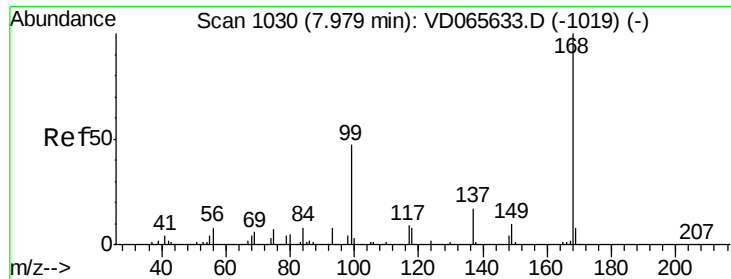
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 4/16/2020 3:13:36 PM

Quant Time: Apr 15 19:47:29 2020
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D041520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 15 18:47:17 2020
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD065636.D

Acq: 15 Apr 2020 15:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 233217

Ion Ratio Lower Upper

168 100

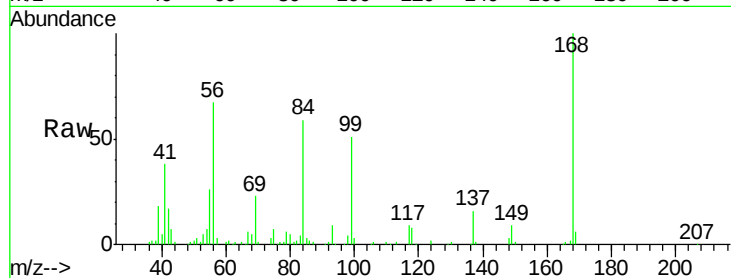
99 50.4 40.3 60.5

Manual Integrations

APPROVED

MMDadoda

4/16/2020 3:13:36 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

100000

80000

60000

40000

20000

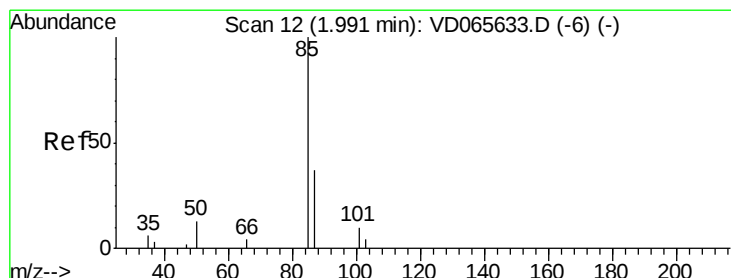
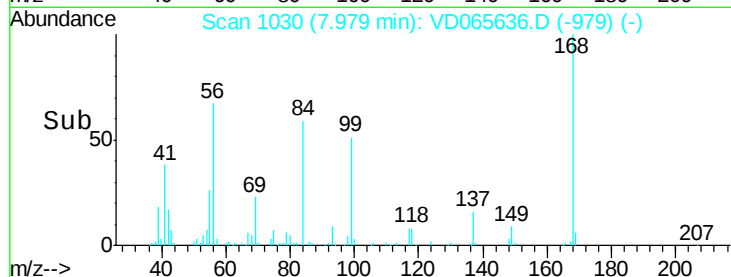
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 49.217 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD065636.D

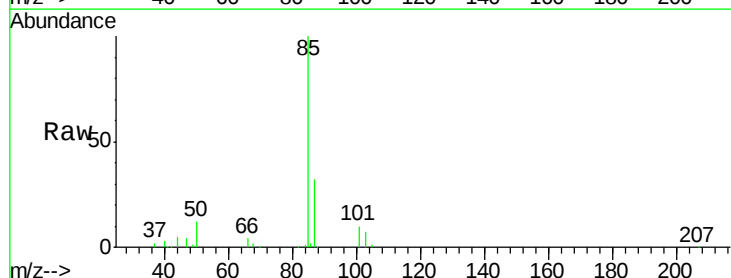
Acq: 15 Apr 2020 15:32

Tgt Ion: 85 Resp: 102363

Ion Ratio Lower Upper

85 100

87 31.7 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

80000

60000

40000

20000

0

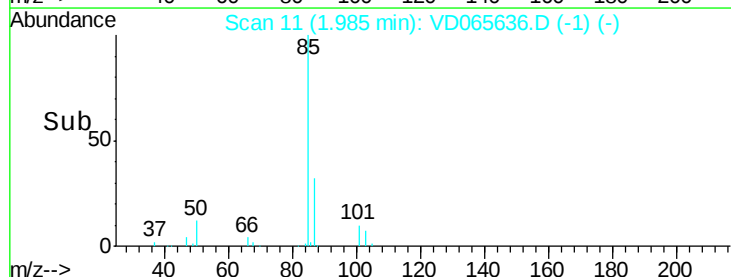
1.90

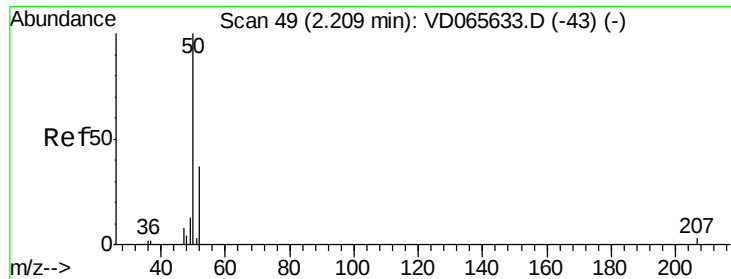
1.95

2.00

2.05

Time-->





#3

Chloromethane

Concen: 41.527 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065636.D

Acq: 15 Apr 2020 15:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 105422

Ion Ratio Lower Upper

50 100

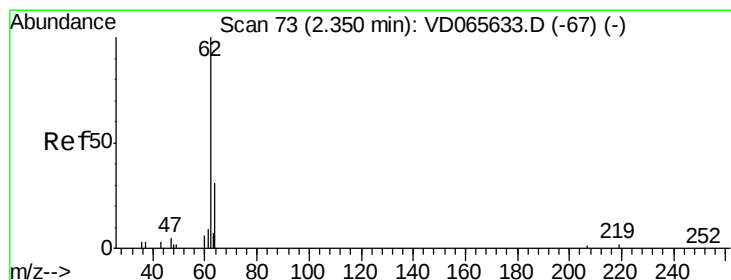
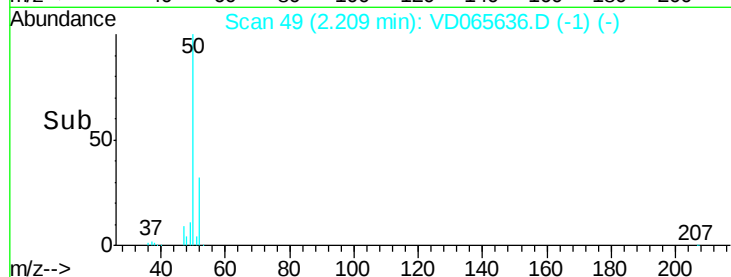
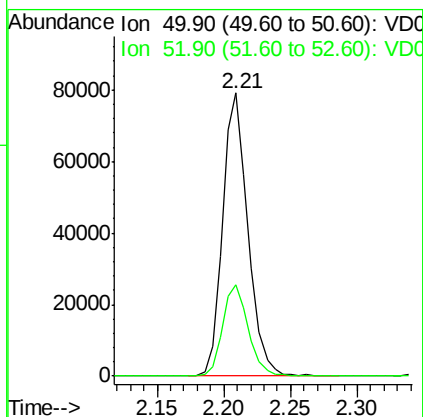
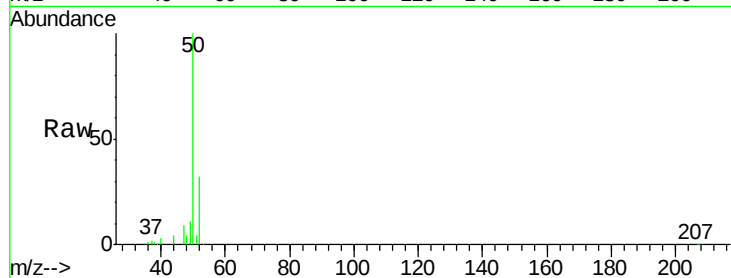
52 32.1 25.7 38.5

Manual Integrations

APPROVED

MMDadoda

4/16/2020 3:13:36 PM



#4

Vinyl Chloride

Concen: 47.361 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065636.D

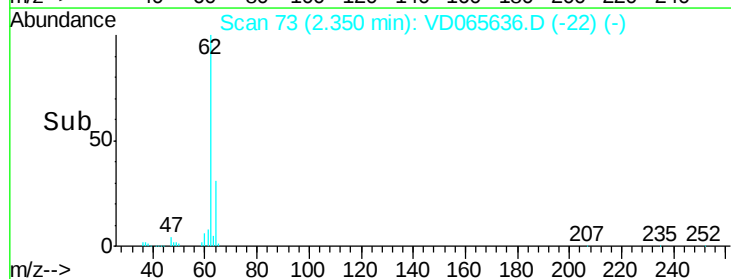
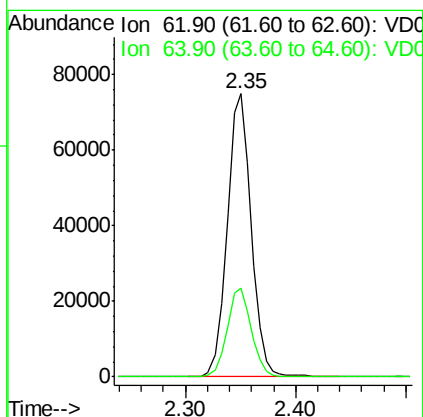
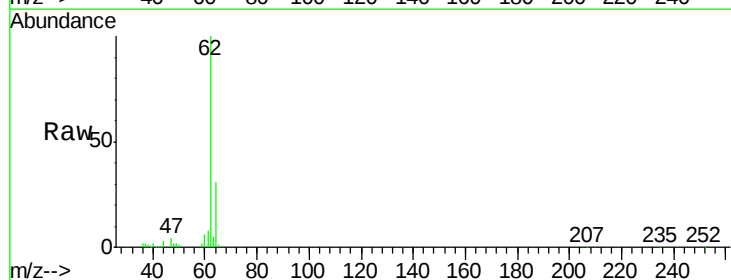
Acq: 15 Apr 2020 15:32

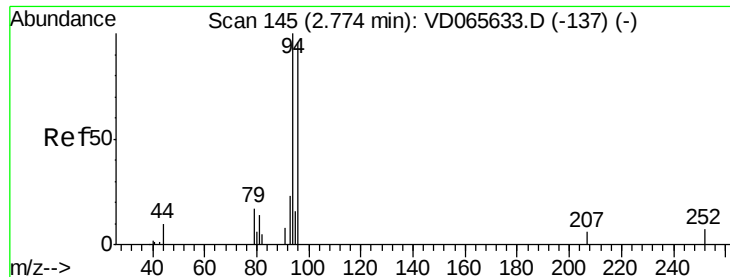
Tgt Ion: 62 Resp: 113857

Ion Ratio Lower Upper

62 100

64 31.4 25.1 37.7





#5

Bromomethane

Concen: 35.995 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD065636.D

Acq: 15 Apr 2020 15:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 59117

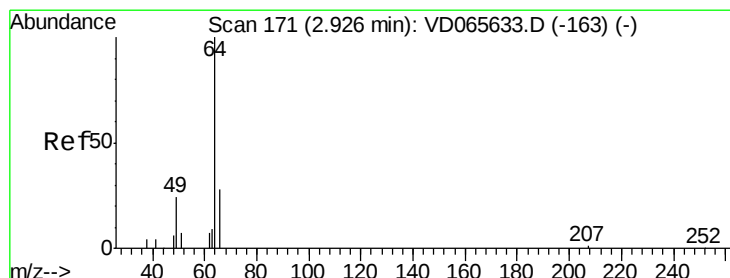
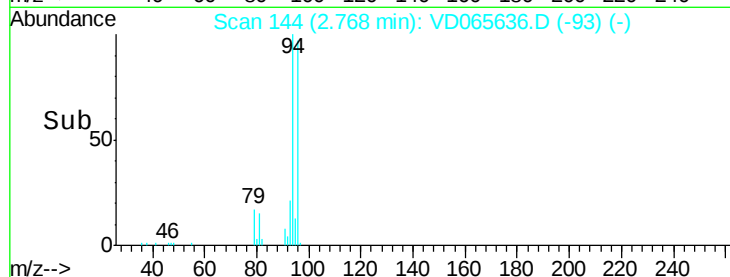
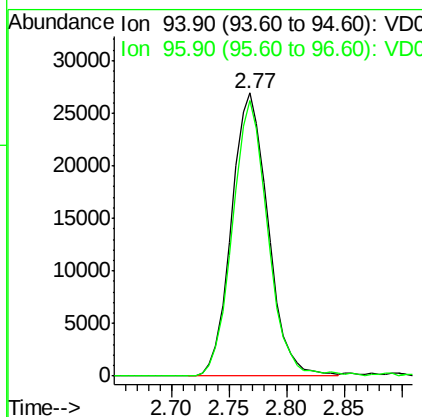
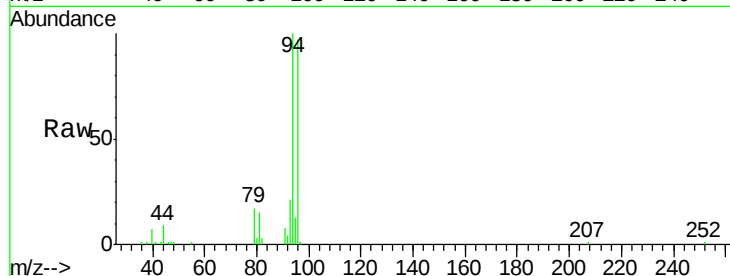
Ion Ratio Lower Upper

94 100

96 97.4 77.9 116.9

Manual Integrations
APPROVED

MMDadoda
4/16/2020 3:13:36 PM



#6

Chloroethane

Concen: 45.559 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD065636.D

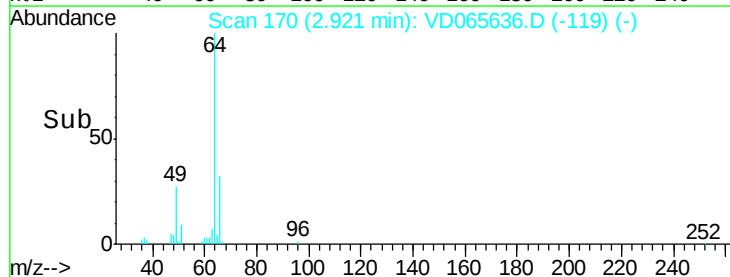
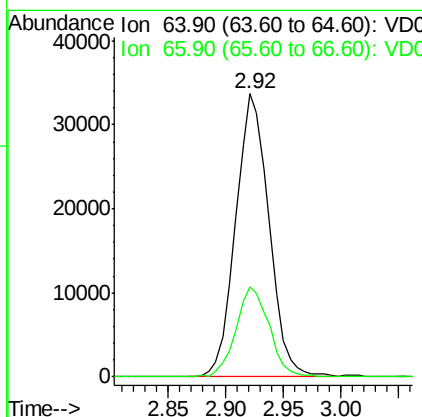
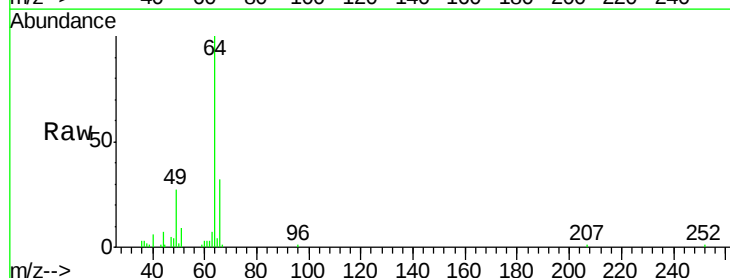
Acq: 15 Apr 2020 15:32

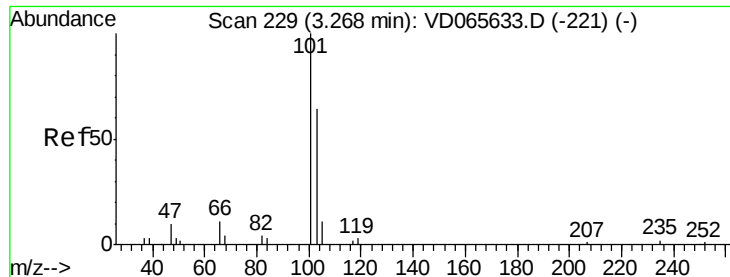
Tgt Ion: 64 Resp: 67430

Ion Ratio Lower Upper

64 100

66 32.0 25.6 38.4





#7

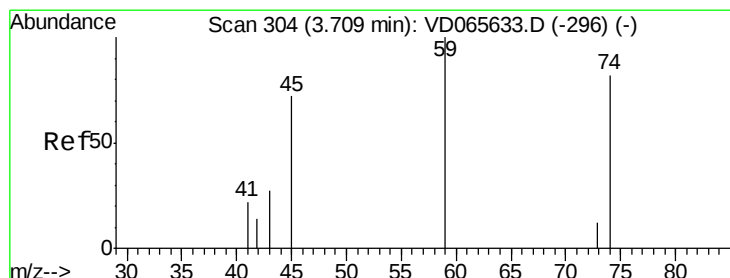
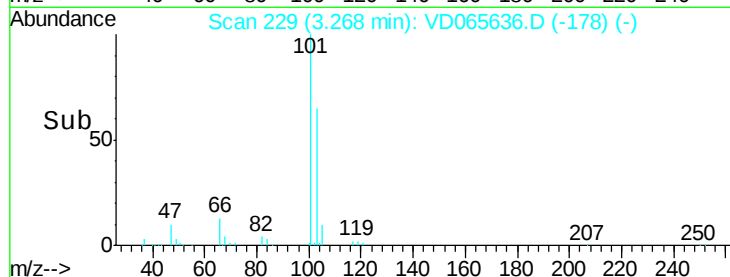
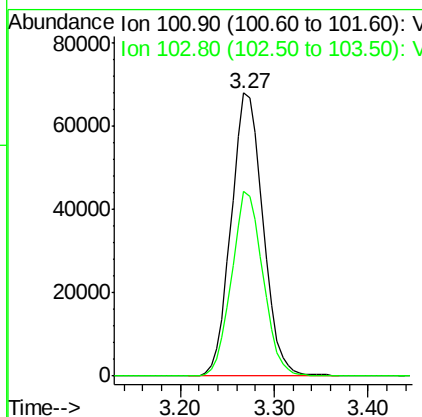
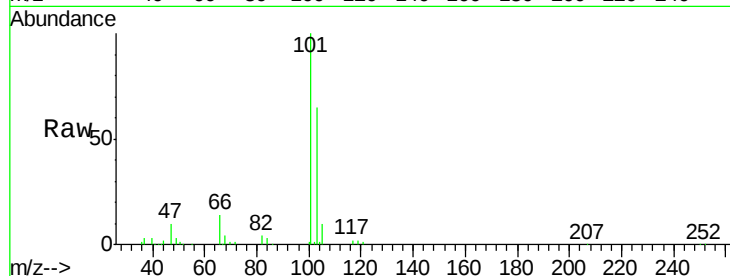
Trichlorofluoromethane
 Concen: 44.084 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VD065636.D
 Acq: 15 Apr 2020 15:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	52.2	78.4

Manual Integrations
 APPROVED

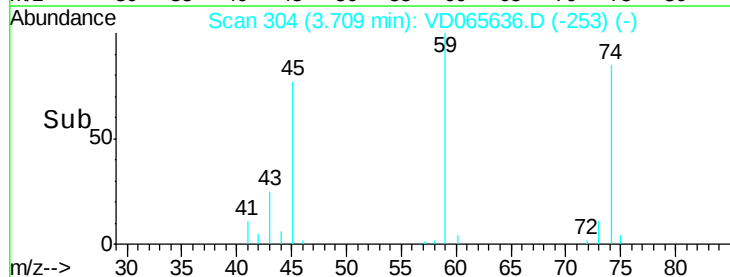
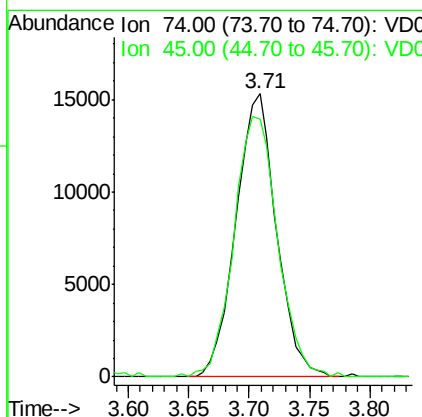
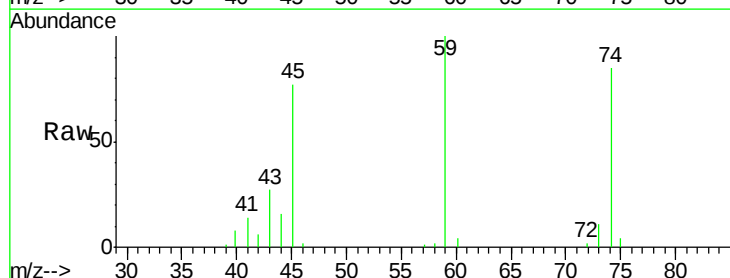
MMDadoda
 4/16/2020 3:13:36 PM

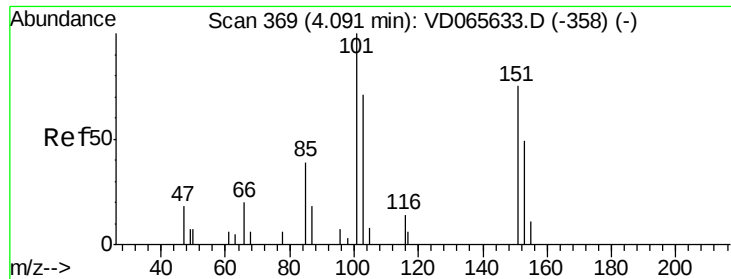


#8

Diethyl Ether
 Concen: 47.931 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD065636.D
 Acq: 15 Apr 2020 15:32

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.7	49.9	149.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 32.618 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD065636.D

Acq: 15 Apr 2020 15:32

Instrument :

MSVOA_D

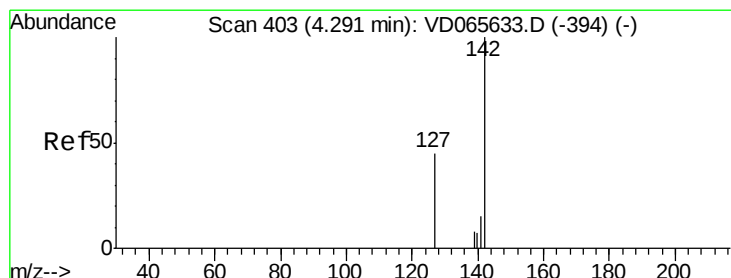
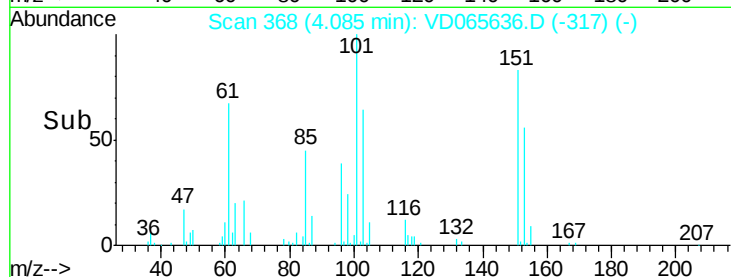
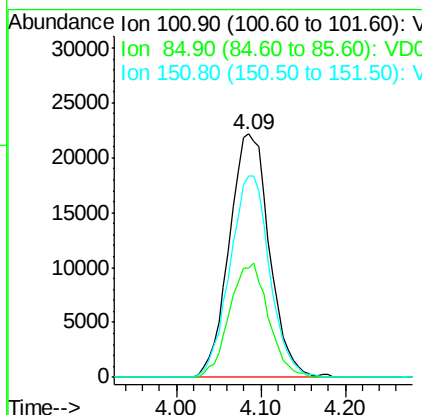
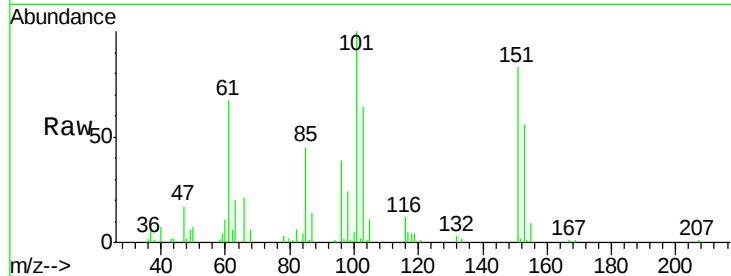
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	72998
Ion Ratio	Lower	Upper	
101	100		
85	45.2	36.2	54.2
151	82.0	65.6	98.4

Manual Integrations
APPROVED

MMDadoda
4/16/2020 3:13:36 PM



#10

Methyl Iodide

Concen: 41.640 ug/l

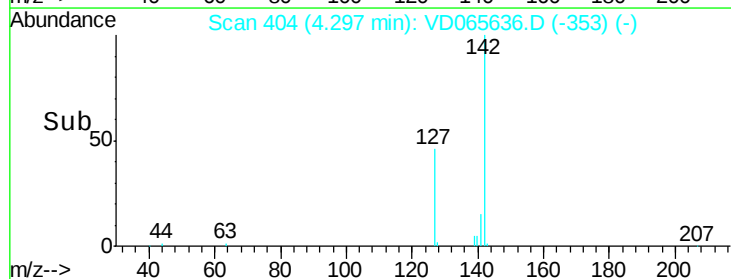
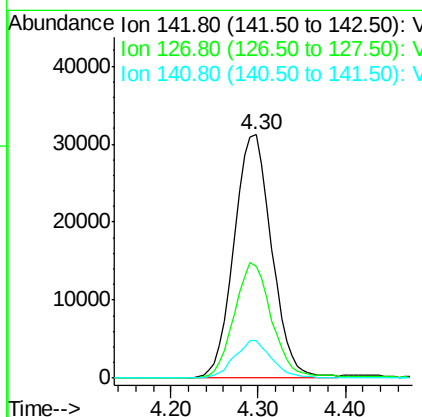
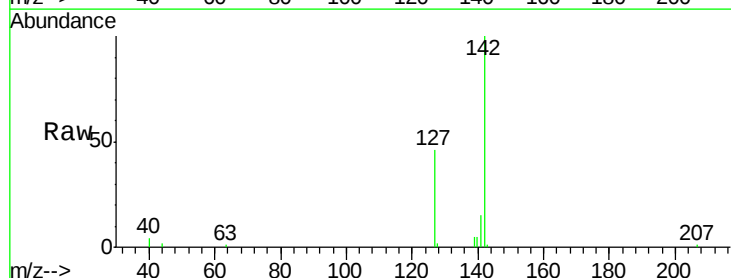
RT: 4.30 min Scan# 404

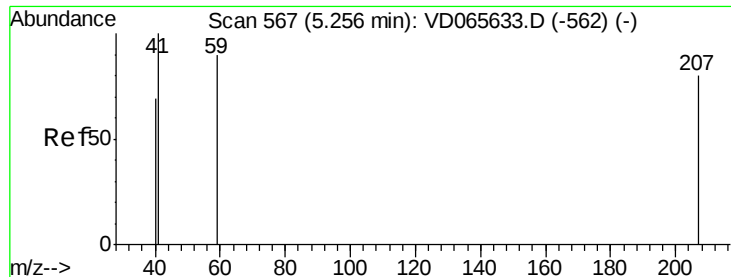
Delta R.T. 0.00 min

Lab File: VD065636.D

Acq: 15 Apr 2020 15:32

Tgt Ion:	142	Resp:	91506
Ion Ratio	Lower	Upper	
142	100		
127	47.6	38.1	57.1
141	15.1	12.1	18.1





#11

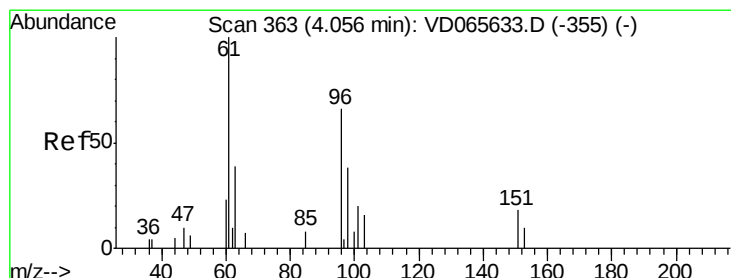
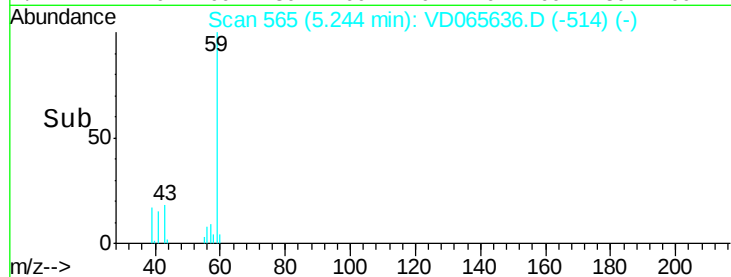
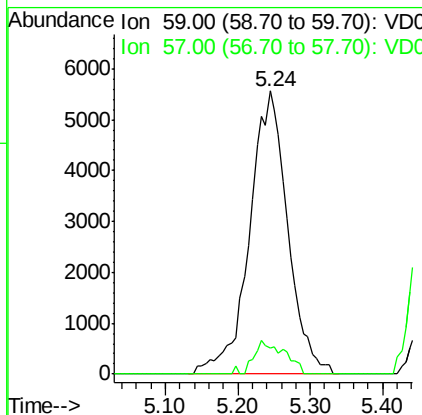
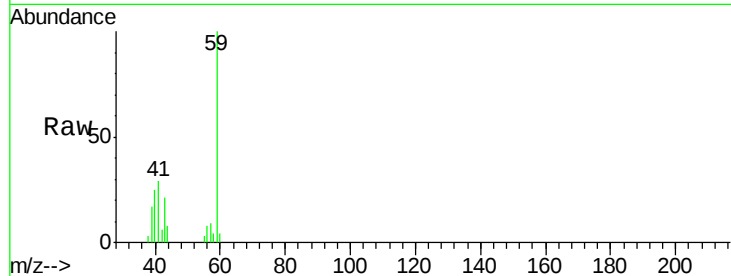
Tert butyl alcohol
Concen: 193.337 ug/l
RT: 5.24 min Scan# 565
Delta R.T. 0.00 min
Lab File: VD065636.D
Acq: 15 Apr 2020 15:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 59 Resp: 20427
Ion Ratio Lower Upper
59 100
57 9.3 7.4 11.2

Manual Integrations
APPROVED

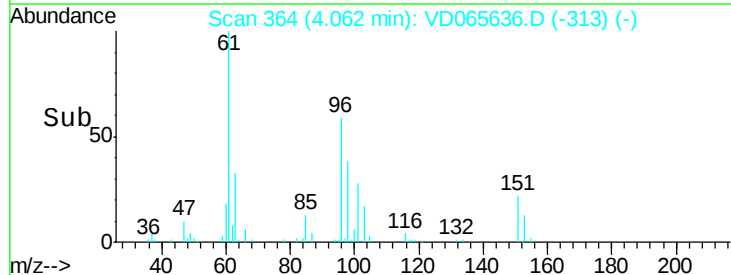
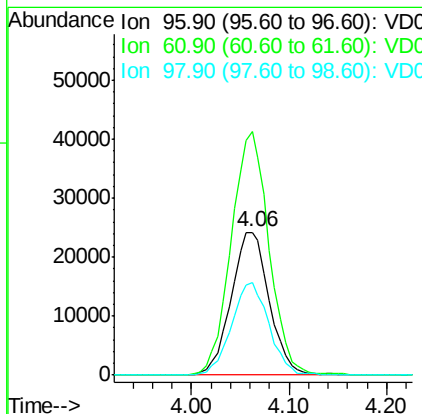
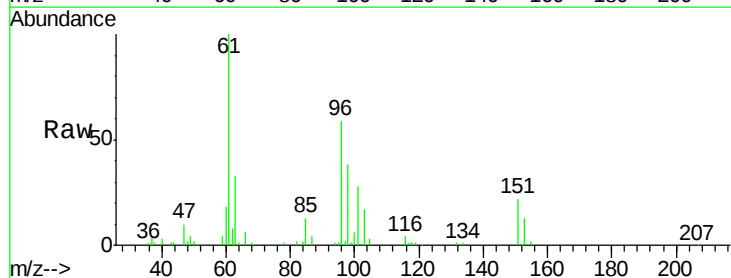
MMDadoda
4/16/2020 3:13:36 PM

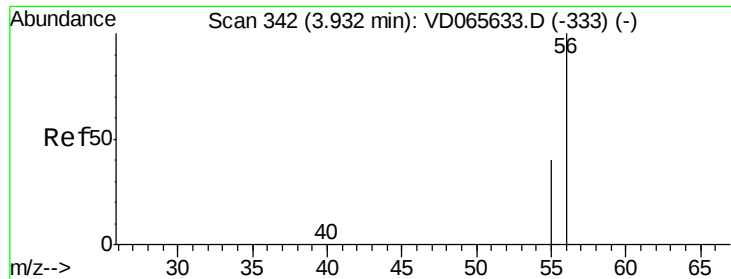


#12

1,1-Dichloroethene
Concen: 31.977 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD065636.D
Acq: 15 Apr 2020 15:32

Tgt Ion: 96 Resp: 65788
Ion Ratio Lower Upper
96 100
61 170.2 136.2 204.2
98 65.2 52.2 78.2





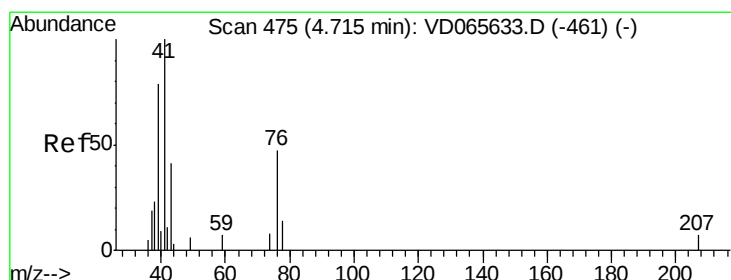
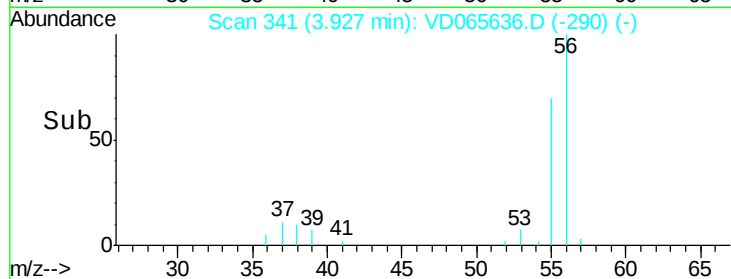
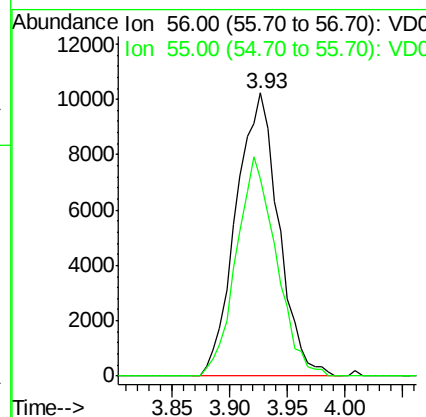
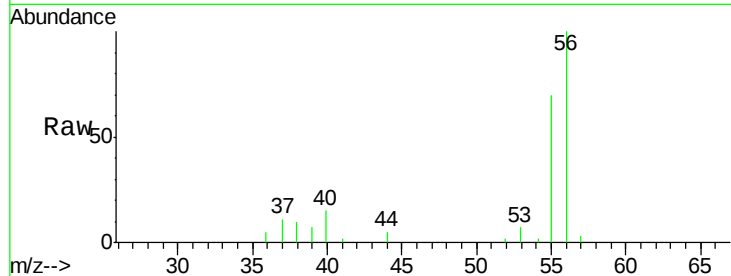
#13
Acrolein
Concen: 178.612 ug/l
RT: 3.93 min Scan# 341
Delta R.T. 0.00 min
Lab File: VD065636.D
Acq: 15 Apr 2020 15:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 56 Resp: 26261
Ion Ratio Lower Upper
56 100
55 72.7 58.2 87.2

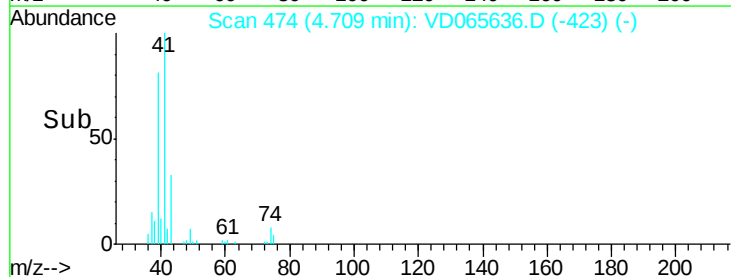
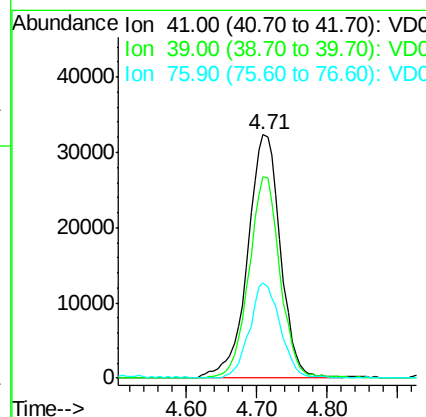
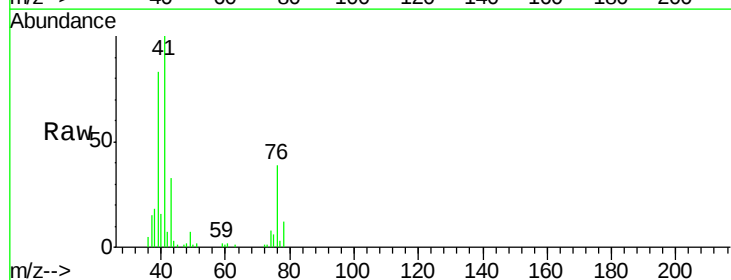
Manual Integrations
APPROVED

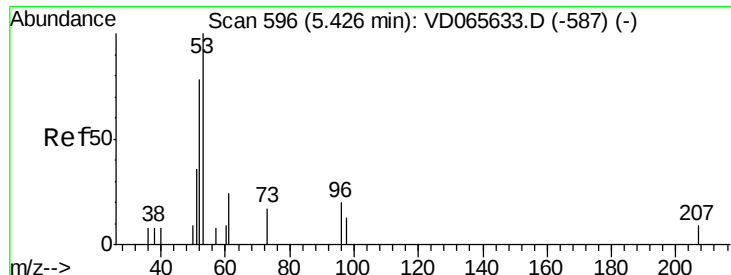
MMDadoda
4/16/2020 3:13:36 PM



#14
Allyl chloride
Concen: 34.363 ug/l
RT: 4.71 min Scan# 474
Delta R.T. 0.00 min
Lab File: VD065636.D
Acq: 15 Apr 2020 15:32

Tgt Ion: 41 Resp: 104966
Ion Ratio Lower Upper
41 100
39 78.1 62.5 93.7
76 36.4 29.1 43.7





#15

Acrylonitrile

Concen: 189.612 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.00 min

Lab File: VD065636.D

Acq: 15 Apr 2020 15:32

Instrument :

MSVOA_D

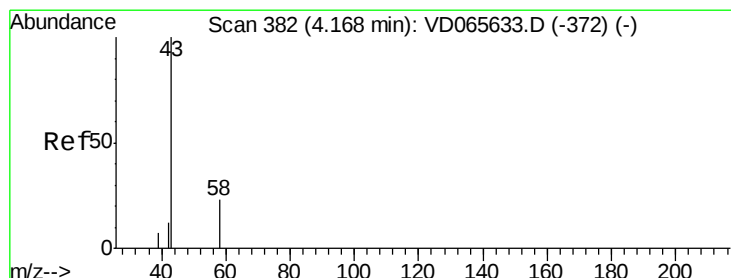
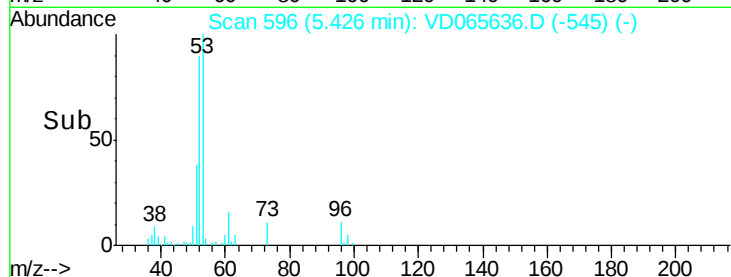
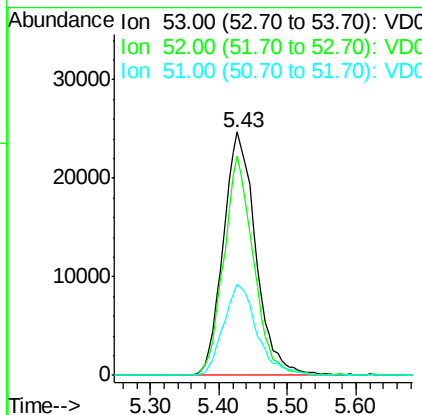
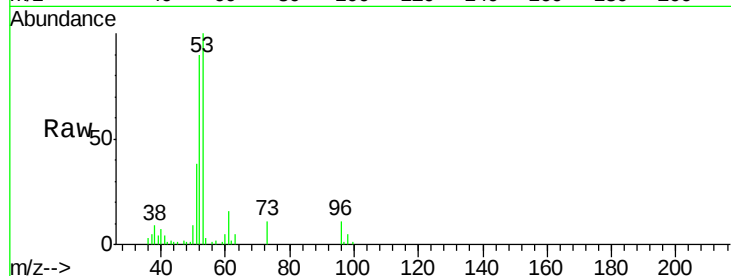
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	81039
Ion	Ratio	Lower	Upper
53	100		
52	82.2	65.8	98.6
51	38.6	30.9	46.3

Manual Integrations
APPROVED

MMDadoda
4/16/2020 3:13:36 PM



#16

Acetone

Concen: 190.741 ug/l

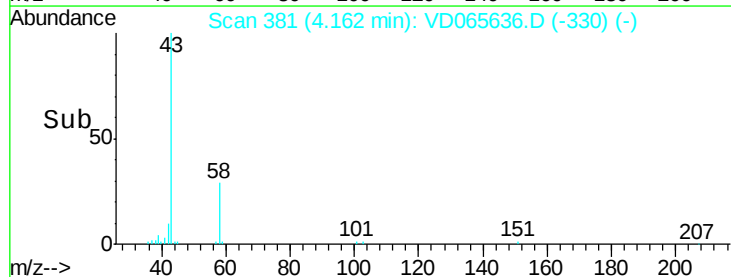
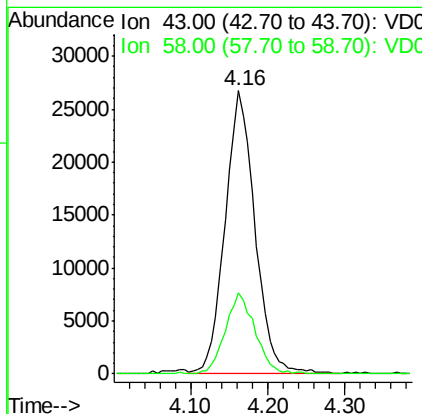
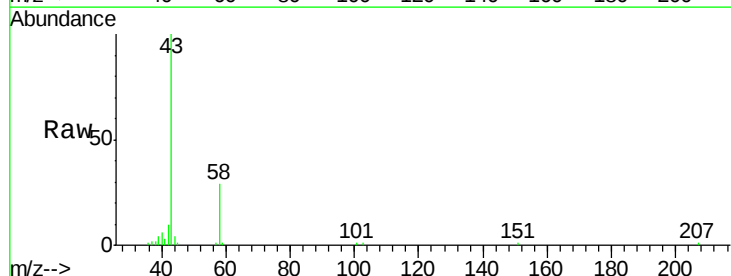
RT: 4.16 min Scan# 381

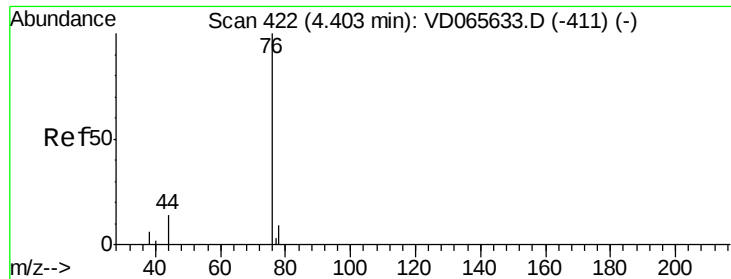
Delta R.T. 0.00 min

Lab File: VD065636.D

Acq: 15 Apr 2020 15:32

Tgt Ion:	43	Resp:	72575
Ion	Ratio	Lower	Upper
43	100		
58	28.6	22.9	34.3





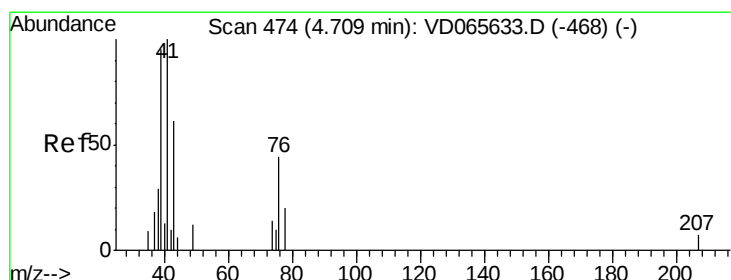
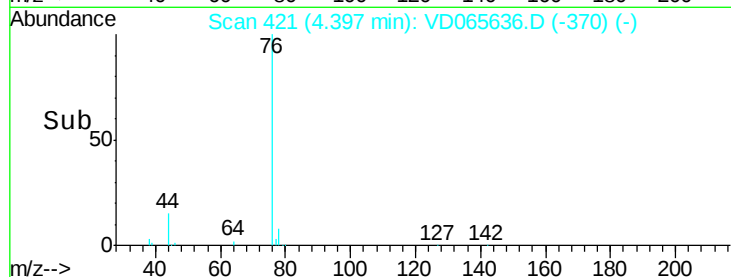
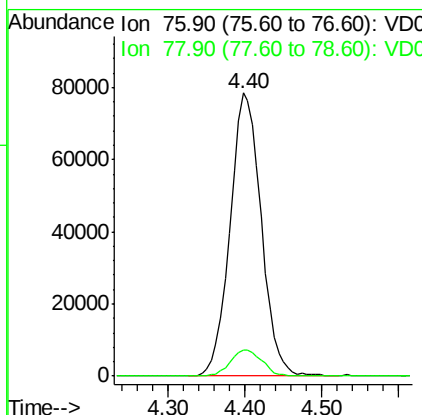
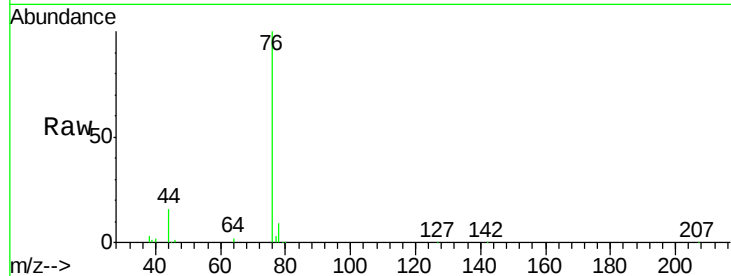
#17
Carbon Disulfide
Concen: 32.456 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.00 min
Lab File: VD065636.D
Acq: 15 Apr 2020 15:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9

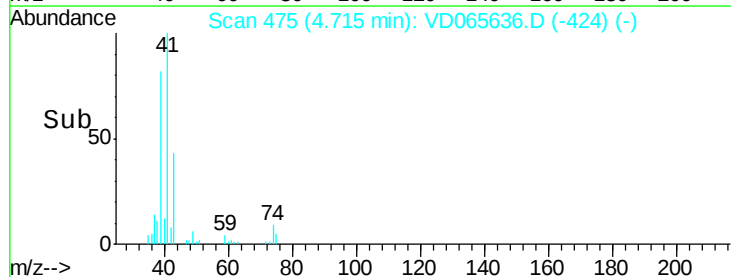
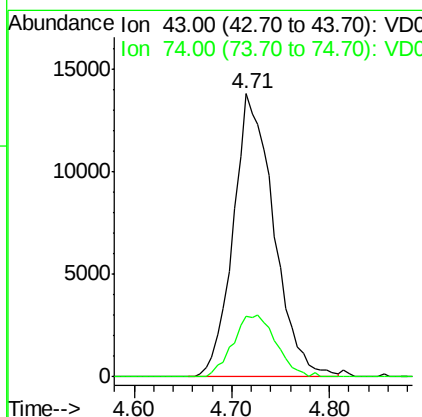
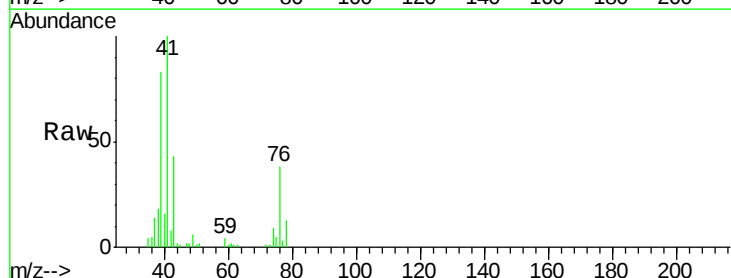
Manual Integrations
APPROVED

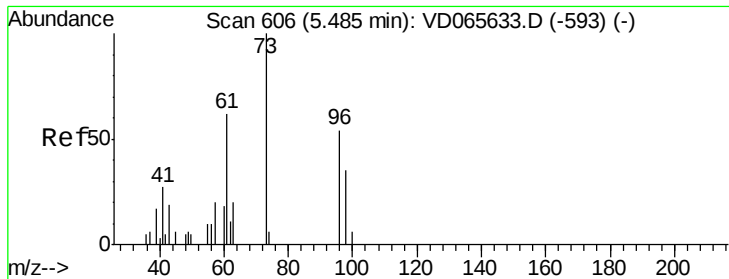
MMDadoda
4/16/2020 3:13:36 PM



#18
Methyl Acetate
Concen: 36.172 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.00 min
Lab File: VD065636.D
Acq: 15 Apr 2020 15:32

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.3	18.6	28.0





#19

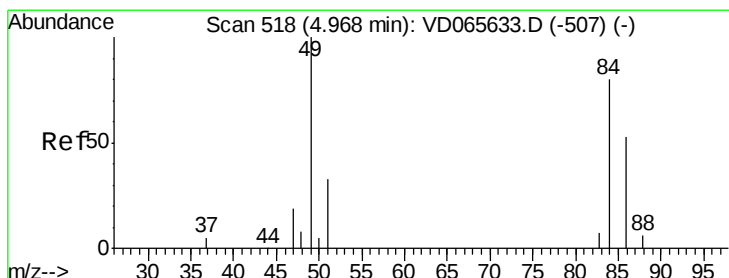
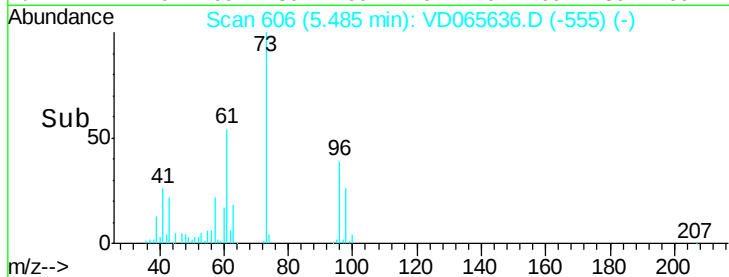
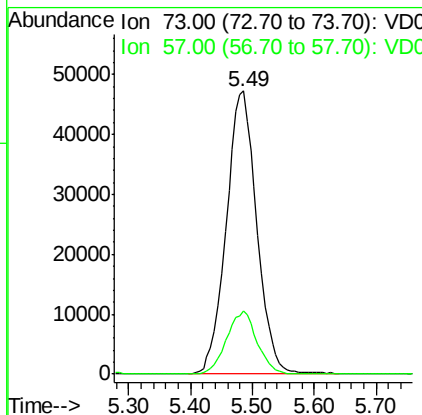
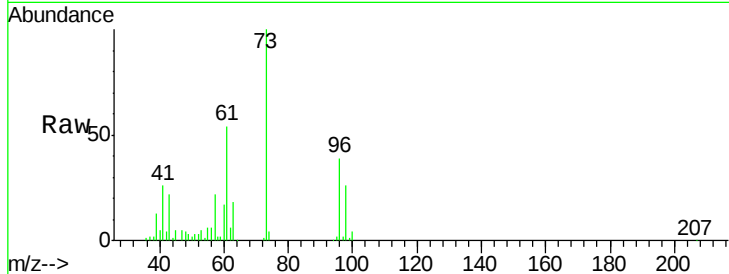
Methyl tert-butyl Ether
 Concen: 40.036 ug/l
 RT: 5.49 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VD065636.D
 Acq: 15 Apr 2020 15:32

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDICCC050

Tot Ion	73	Resp	162216
Ion Ratio	Lower	Upper	
73	100		
57	22.3	17.8	26.8

Manual Integrations
 APPROVED

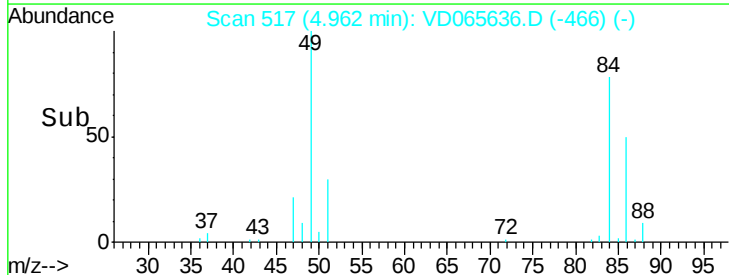
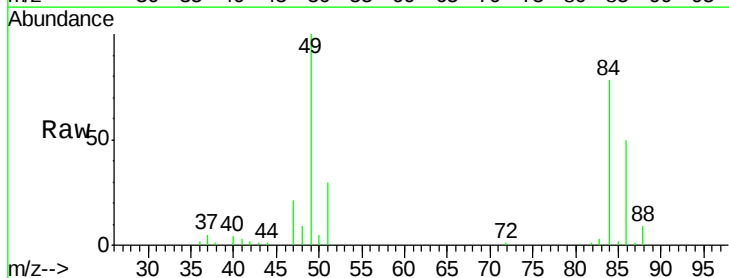
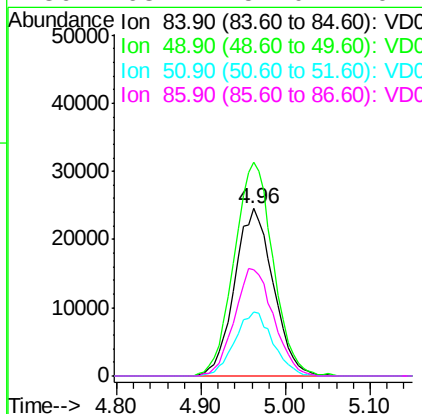
MMDadoda
 4/16/2020 3:13:36 PM

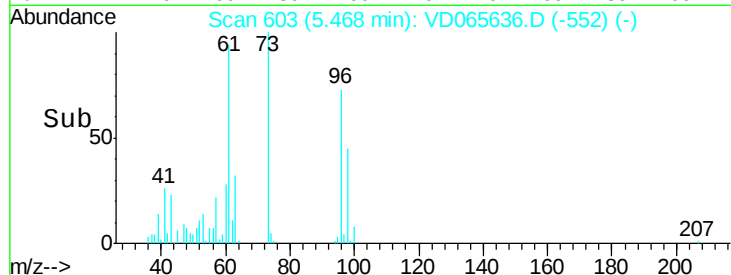
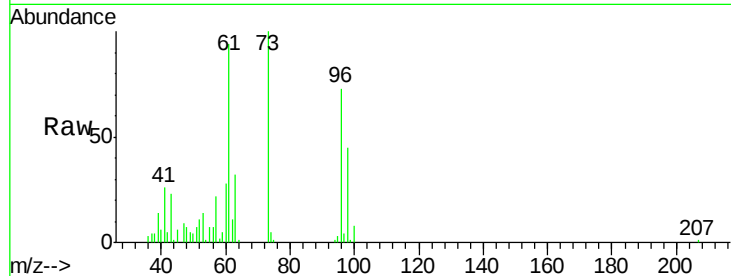
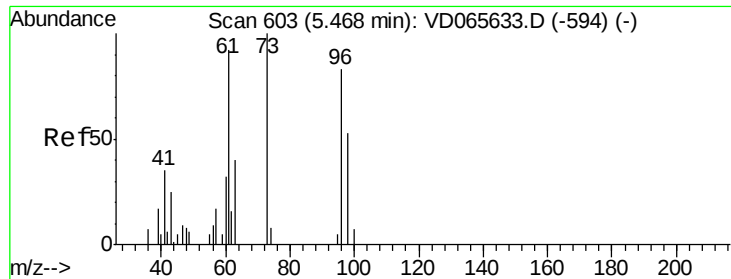


#20

Methylene Chloride
 Concen: 31.682 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VD065636.D
 Acq: 15 Apr 2020 15:32

Tgt Ion	84	Resp	78157
Ion Ratio	Lower	Upper	
84	100		
49	127.5	102.0	153.0
51	38.5	30.8	46.2
86	63.7	51.0	76.4





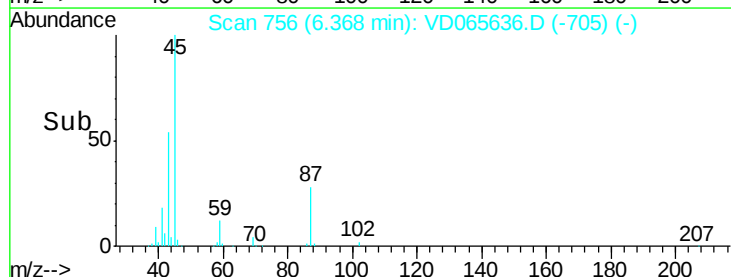
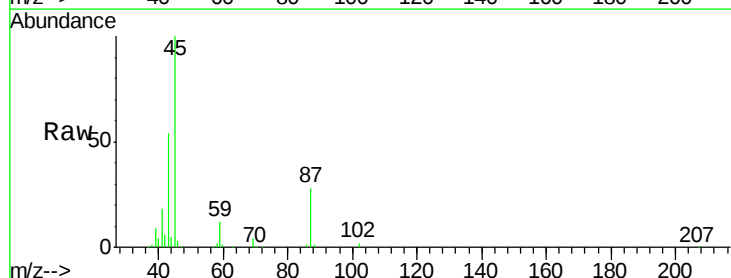
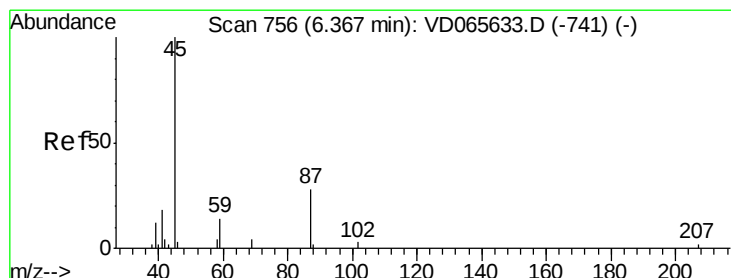
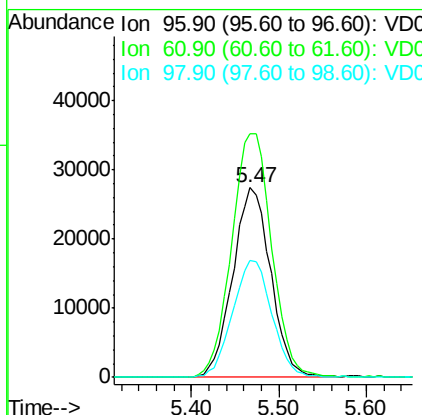
#21
trans-1,2-Dichloroethene
Concen: 34.629 ug/l
RT: 5.47 min Scan# 603
Delta R.T. 0.00 min
Lab File: VD065636.D
Acq: 15 Apr 2020 15:32

Tot Ion	Ratio	Lower	Upper
96	100		
61	128.2	102.6	153.8
98	61.7	49.4	74.0

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

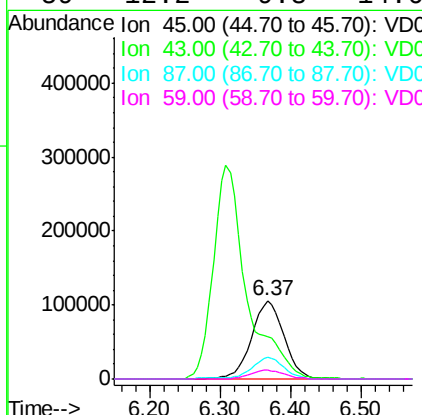
Manual Integrations
APPROVED

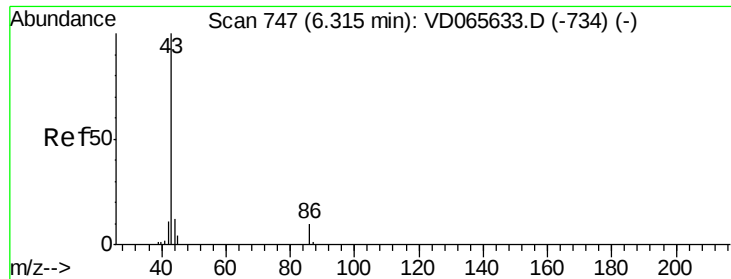
MMDadoda
4/16/2020 3:13:36 PM



#22
Diisopropyl ether
Concen: 53.560 ug/l
RT: 6.37 min Scan# 756
Delta R.T. 0.00 min
Lab File: VD065636.D
Acq: 15 Apr 2020 15:32

Tgt Ion	Ratio	Lower	Upper
45	100		
43	52.7	42.2	63.2
87	27.6	22.1	33.1
59	12.2	9.8	14.6





#23

Vinyl Acetate

Concen: 281.610 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD065636.D

Acq: 15 Apr 2020 15:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 955847

Ion Ratio Lower Upper

43 100

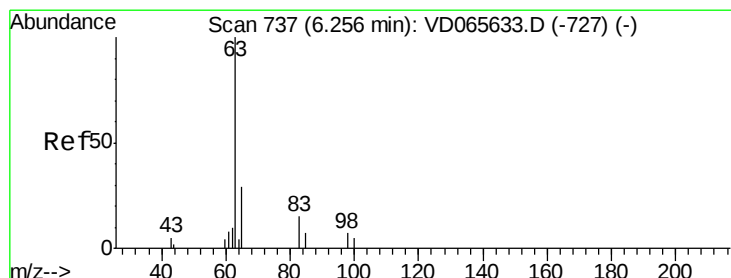
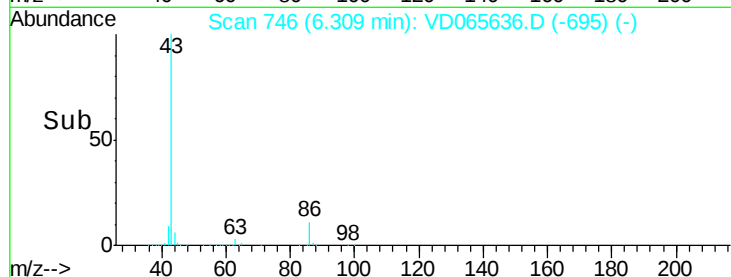
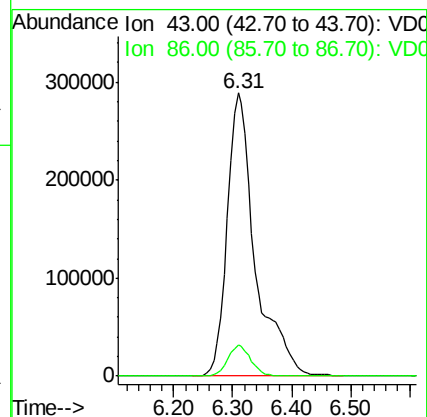
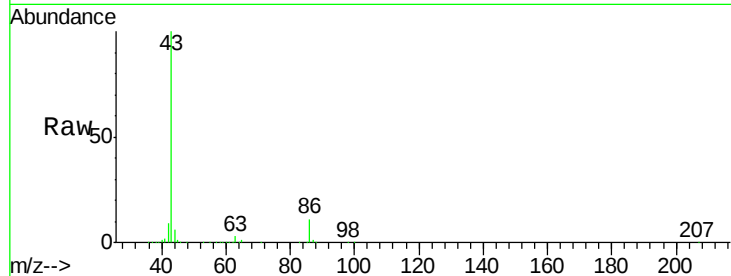
86 10.9 8.7 13.1

Manual Integrations

APPROVED

MMDadoda

4/16/2020 3:13:36 PM



#24

1,1-Dichloroethane

Concen: 47.042 ug/l

RT: 6.26 min Scan# 738

Delta R.T. 0.00 min

Lab File: VD065636.D

Acq: 15 Apr 2020 15:32

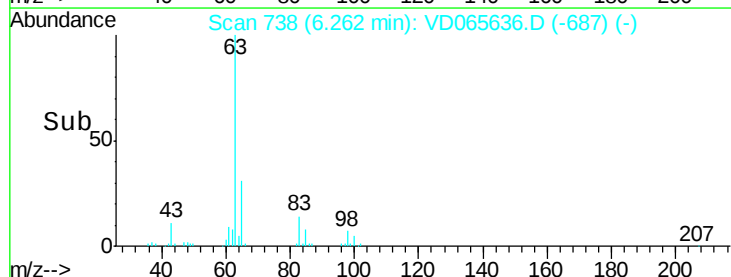
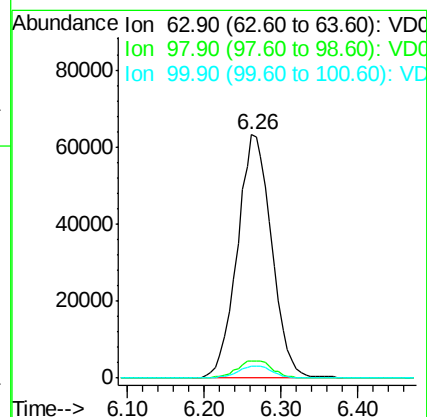
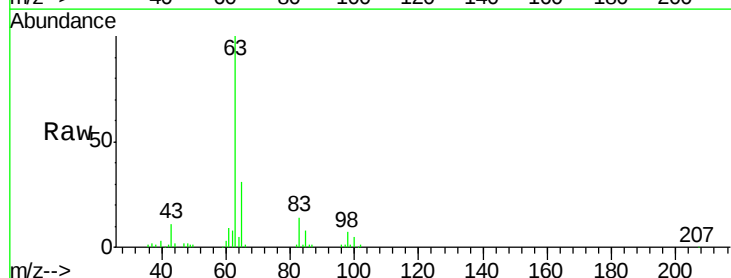
Tgt Ion: 63 Resp: 196849

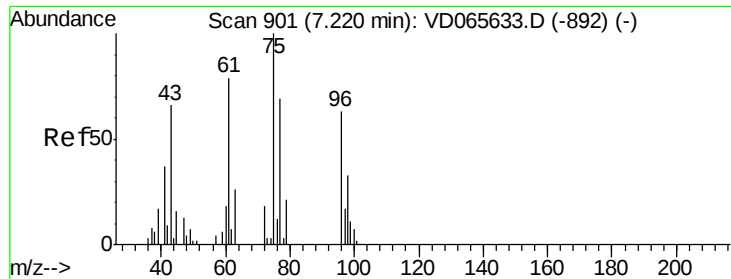
Ion Ratio Lower Upper

63 100

98 7.2 3.6 10.8

100 4.8 2.4 7.2





#25

2-Butanone

Concen: 267.545 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD065636.D

Acq: 15 Apr 2020 15:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 148507

Ion Ratio Lower Upper

43 100

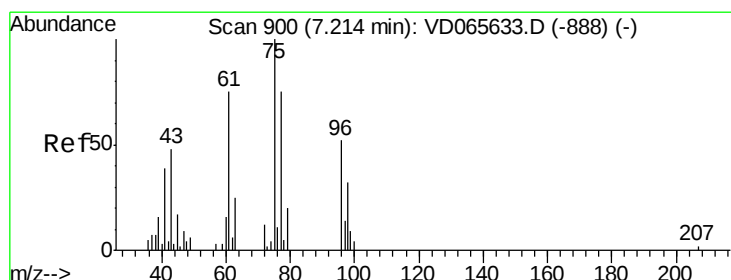
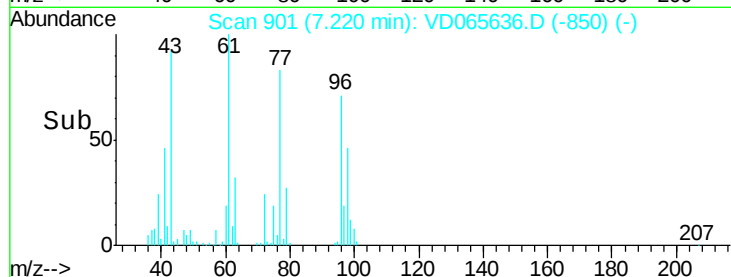
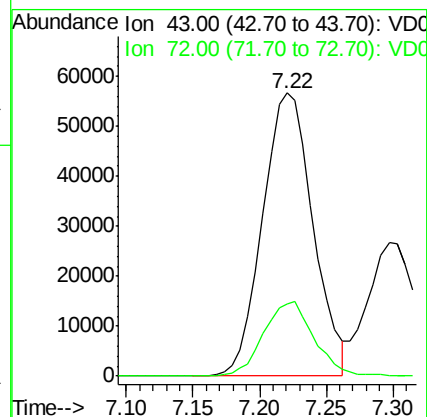
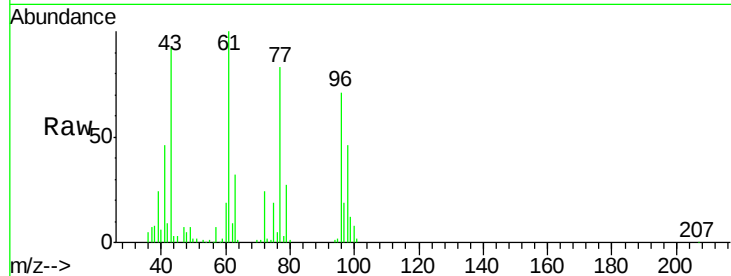
72 25.6 20.5 30.7

Manual Integrations

APPROVED

MMDadoda

4/16/2020 3:13:36 PM



#26

2,2-Dichloropropane

Concen: 45.264 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD065636.D

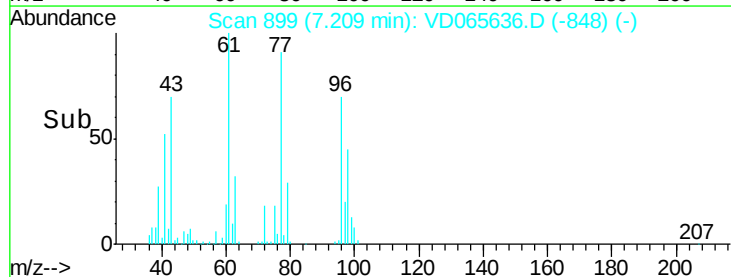
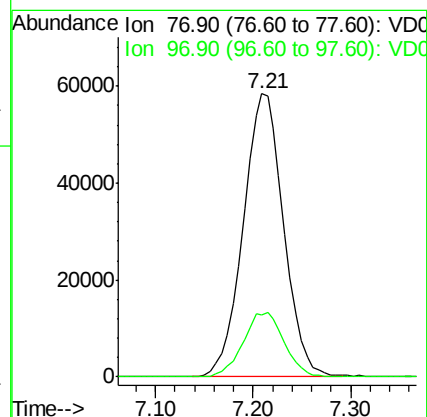
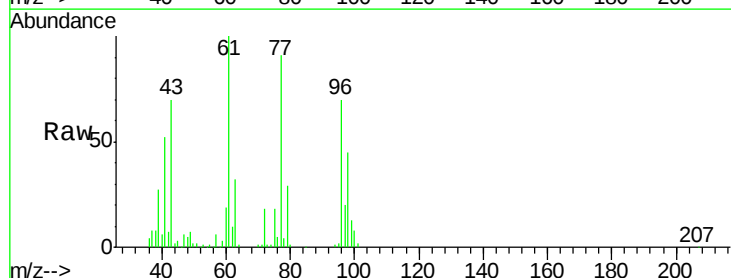
Acq: 15 Apr 2020 15:32

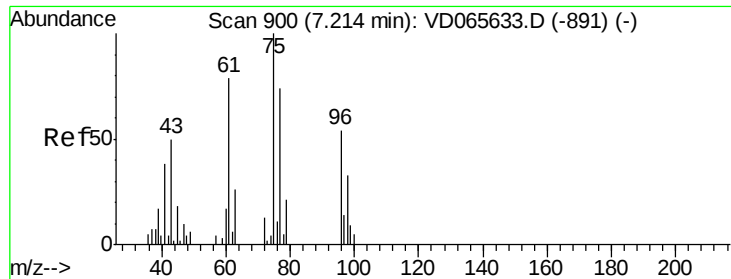
Tgt Ion: 77 Resp: 168710

Ion Ratio Lower Upper

77 100

97 23.0 11.5 34.5





#27

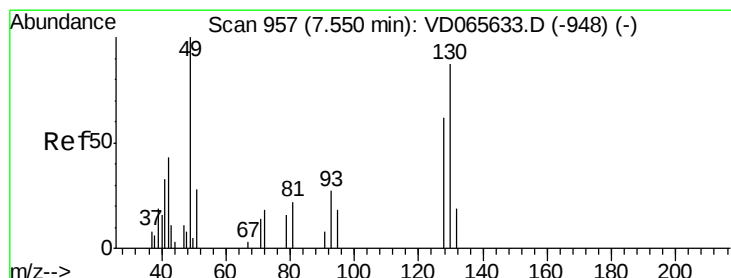
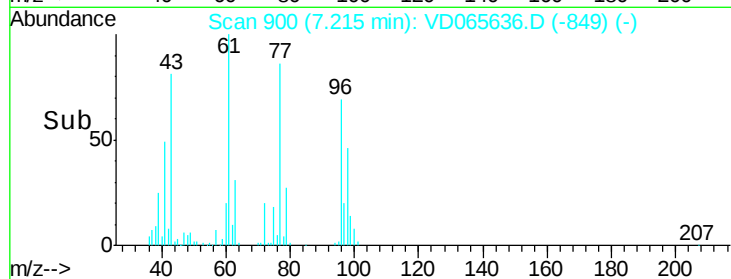
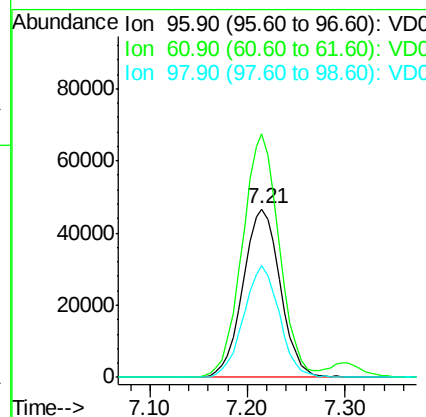
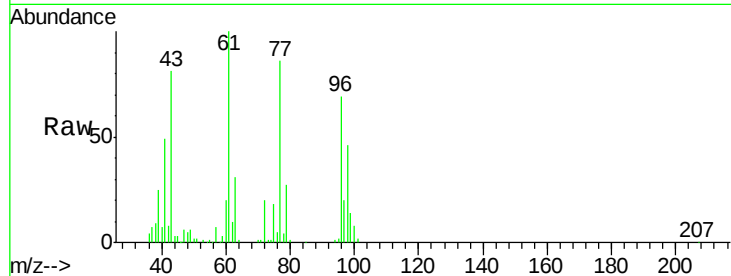
cis-1,2-Dichloroethene
Concen: 48.385 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD065636.D
Acq: 15 Apr 2020 15:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	123589		
61	143.1	0.0	286.2	
98	64.0	0.0	128.0	

Manual Integrations
APPROVED

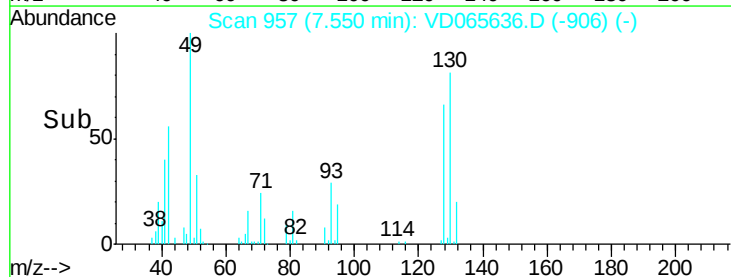
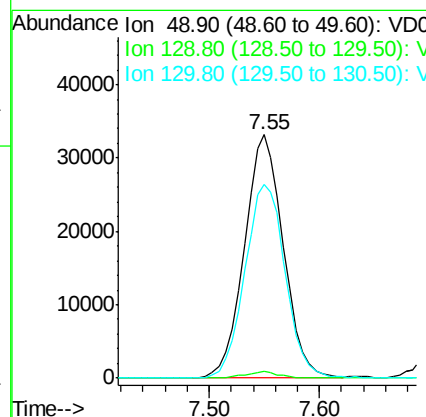
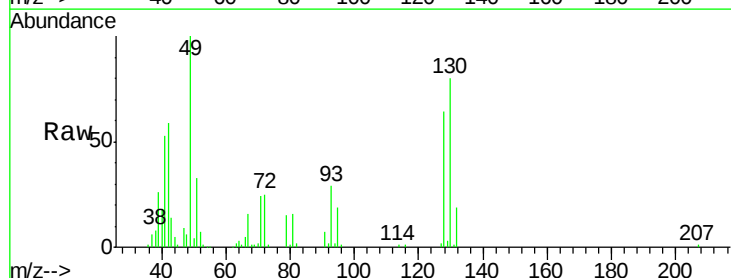
MMDadoda
4/16/2020 3:13:36 PM

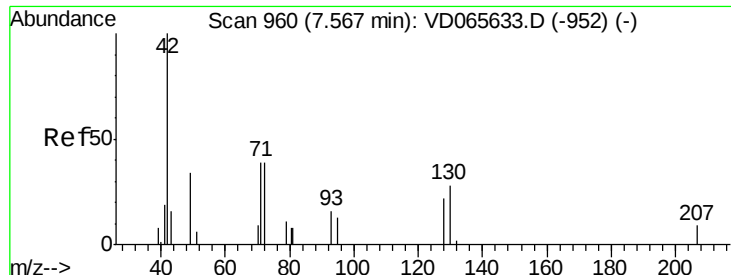


#28

Bromochloromethane
Concen: 48.224 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD065636.D
Acq: 15 Apr 2020 15:32

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	81997		
129	2.1	0.0	4.2	
130	82.7	66.2	99.2	





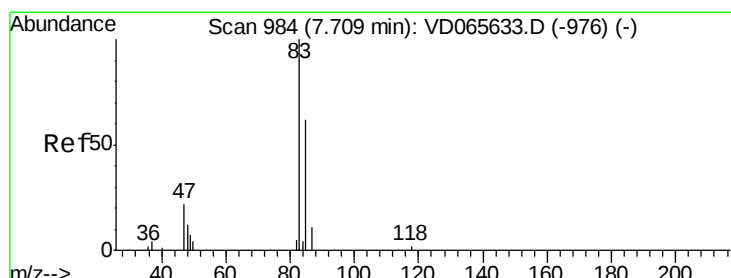
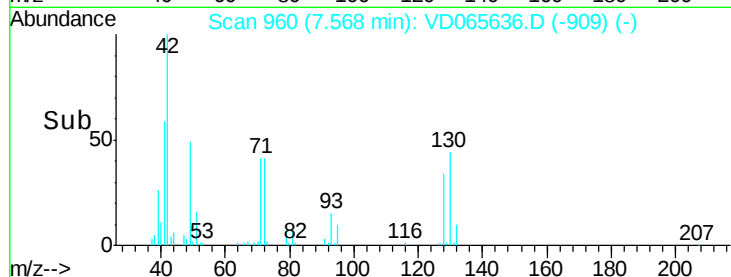
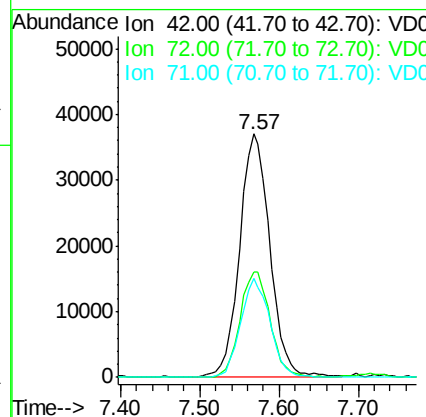
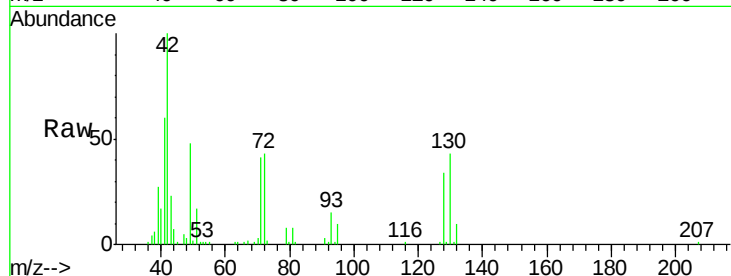
#29
Tetrahydrofuran
Concen: 280.155 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.00 min
Lab File: VD065636.D
Acq: 15 Apr 2020 15:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.0	34.4	51.6
71	39.2	31.4	47.0

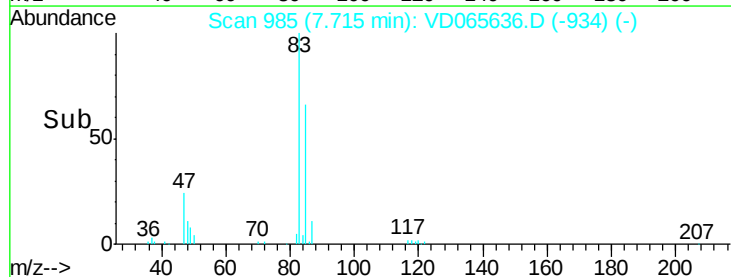
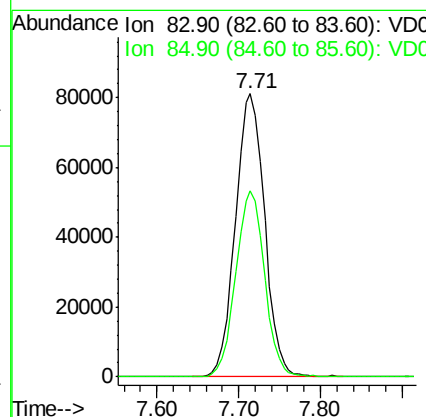
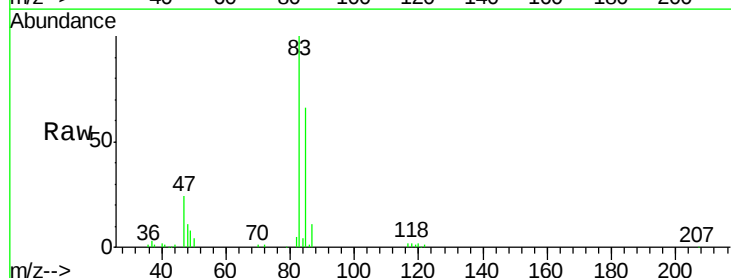
Manual Integrations
APPROVED

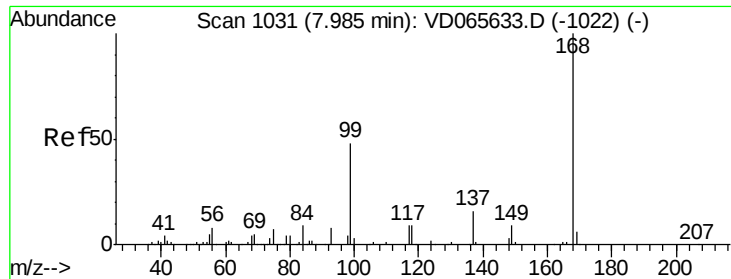
MMDadoda
4/16/2020 3:13:36 PM



#30
Chloroform
Concen: 46.144 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065636.D
Acq: 15 Apr 2020 15:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	52.6	78.8





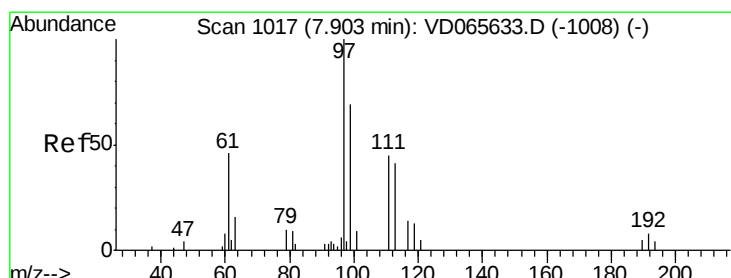
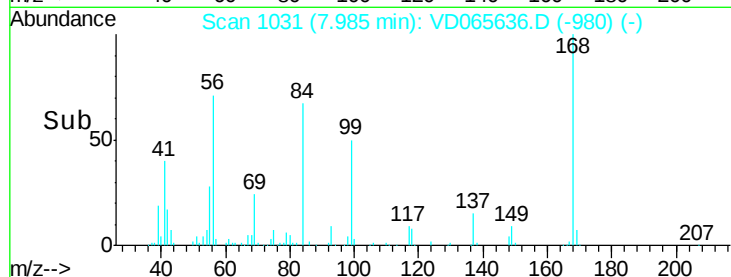
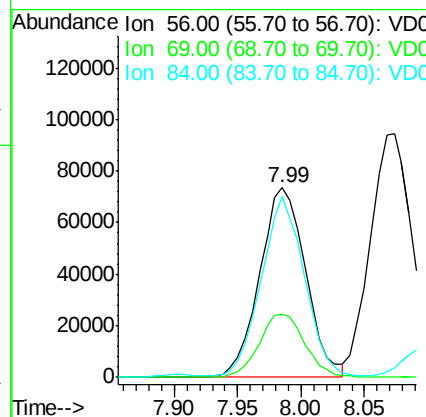
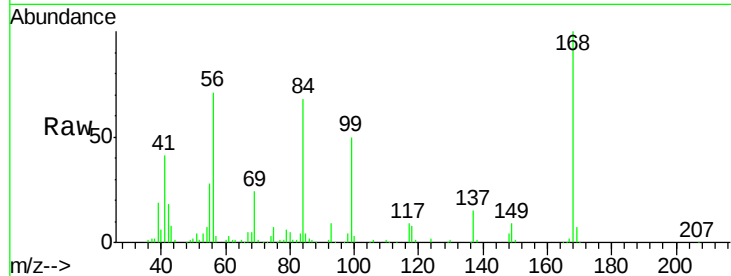
#31
Cyclohexane
Concen: 47.356 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065636.D
Acq: 15 Apr 2020 15:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.3	26.6	40.0
84	94.1	75.3	112.9

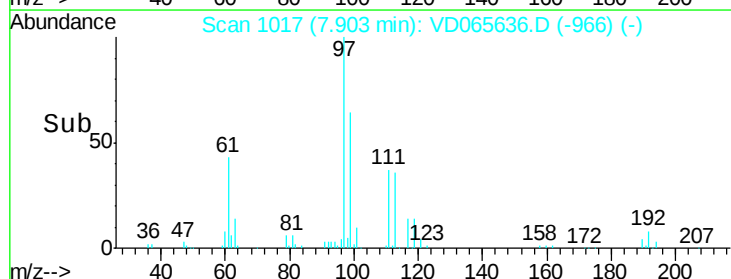
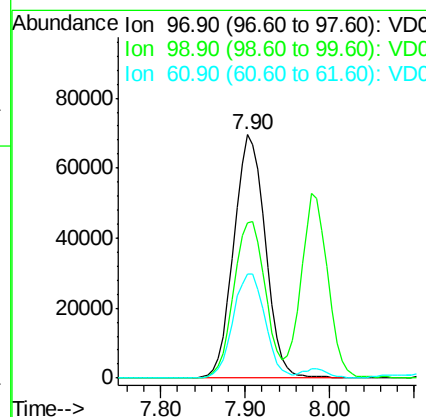
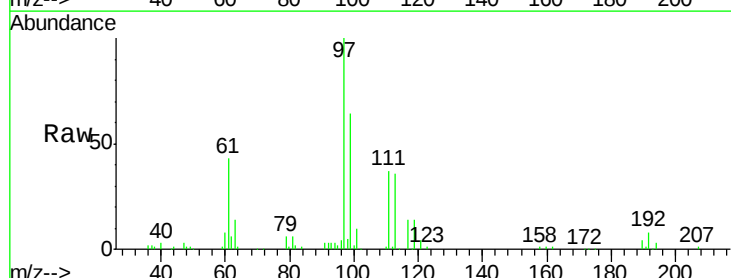
Manual Integrations
APPROVED

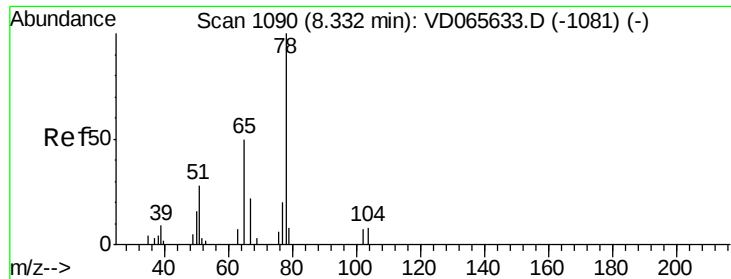
MMDadoda
4/16/2020 3:13:36 PM



#32
1,1,1-Trichloroethane
Concen: 45.530 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VD065636.D
Acq: 15 Apr 2020 15:32

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.5	77.3
61	43.5	34.8	52.2





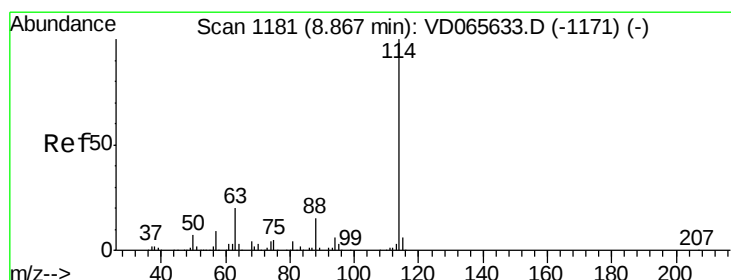
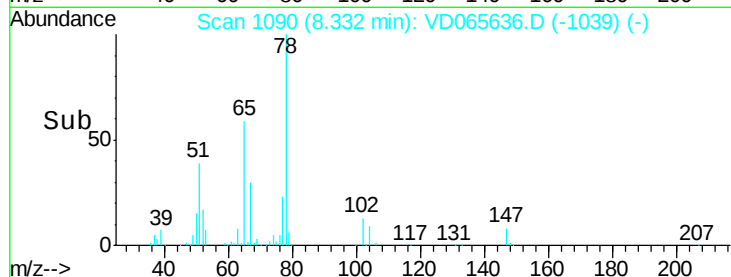
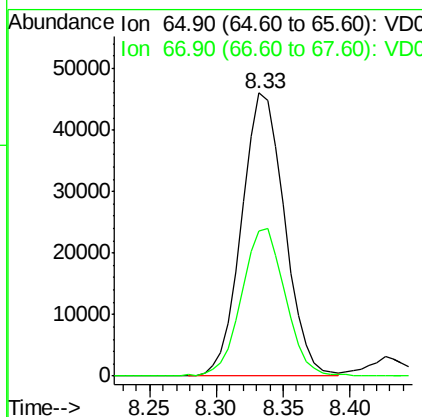
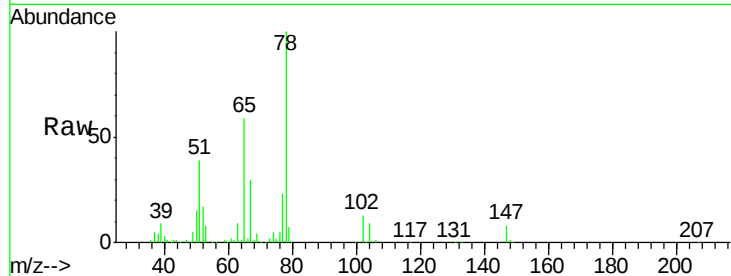
#33
 1,2-Dichloroethane-d4
 Concen: 46.706 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD065636.D
 Acq: 15 Apr 2020 15:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	102513		
67	52.9	0.0	105.8	

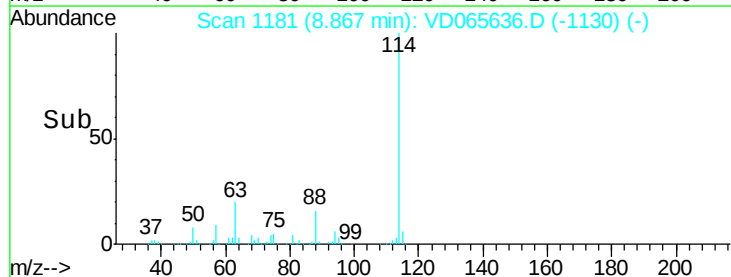
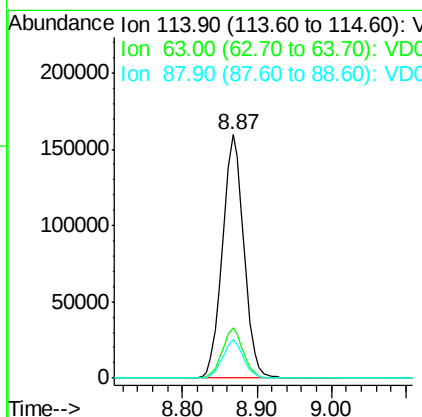
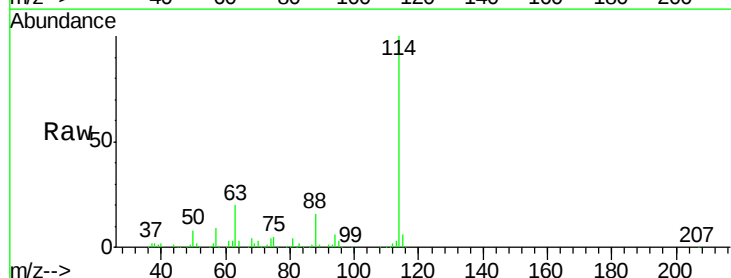
Manual Integrations
 APPROVED

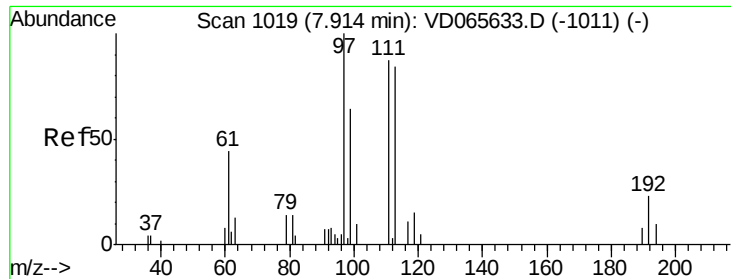
MMDadoda
 4/16/2020 3:13:36 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065636.D
 Acq: 15 Apr 2020 15:32

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	319131		
63	20.4	0.0	40.8	
88	15.8	0.0	31.6	





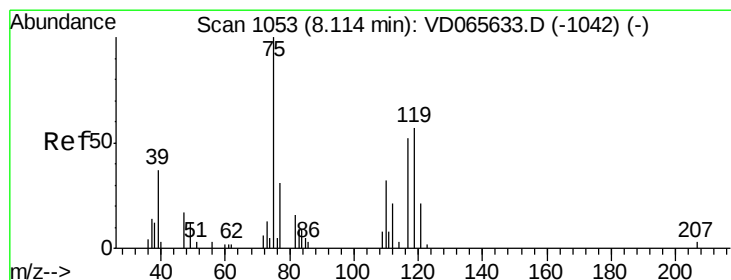
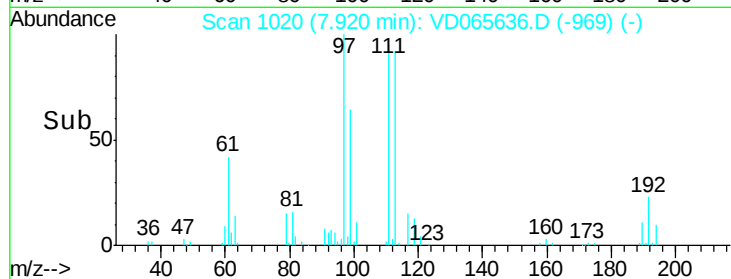
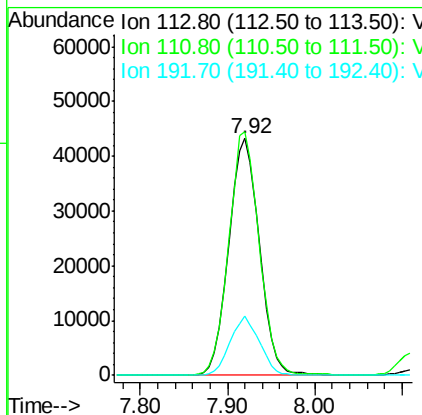
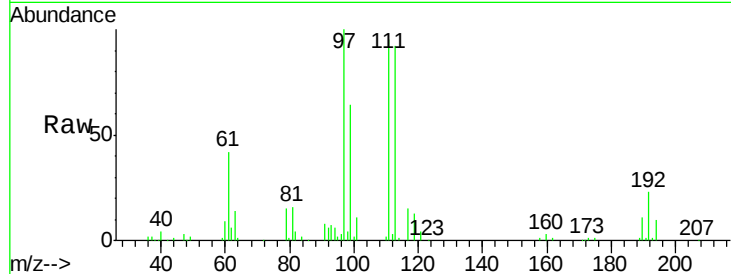
#35
 Dibromofluoromethane
 Concen: 46.833 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065636.D
 Acq: 15 Apr 2020 15:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.4	81.9	122.9	
192	23.6	18.9	28.3	

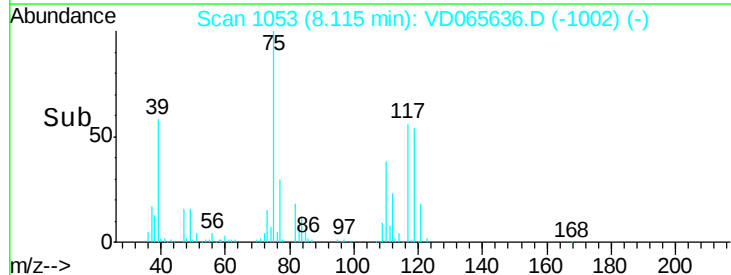
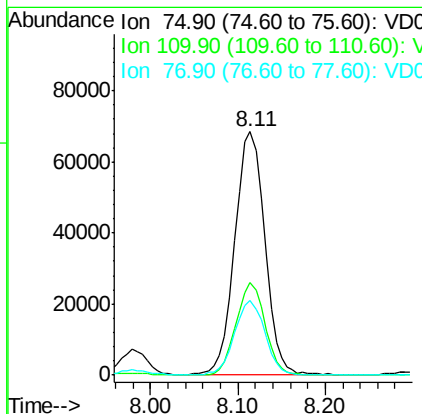
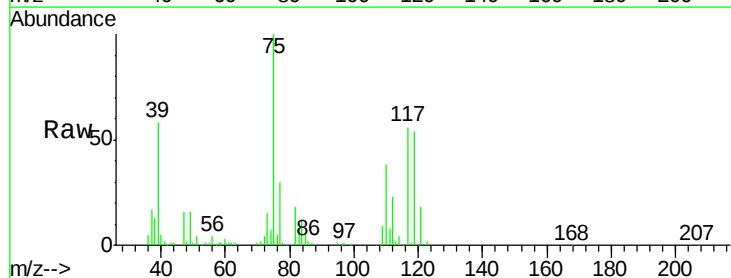
Manual Integrations
 APPROVED

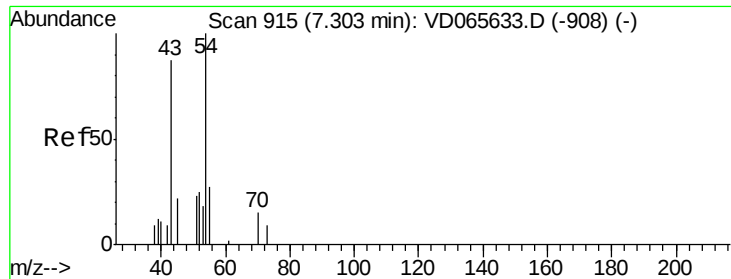
MMDadoda
 4/16/2020 3:13:36 PM



#36
 1,1-Dichloropropene
 Concen: 49.519 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065636.D
 Acq: 15 Apr 2020 15:32

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.5	18.3	54.8	
77	30.8	24.6	37.0	





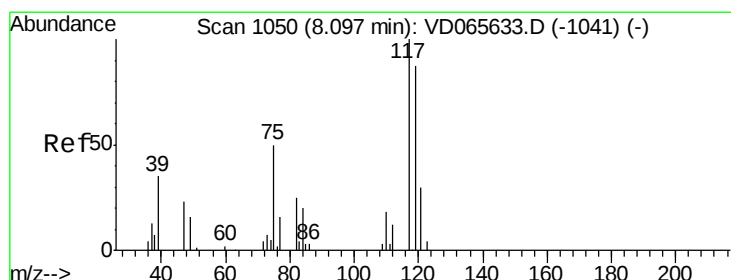
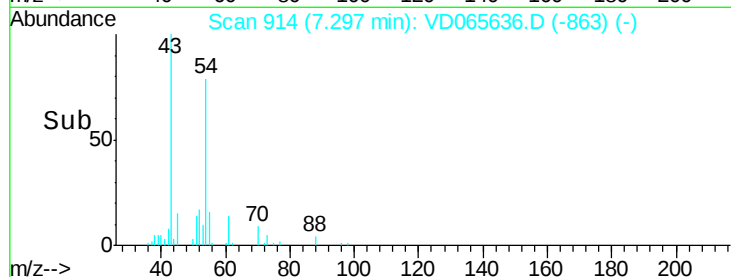
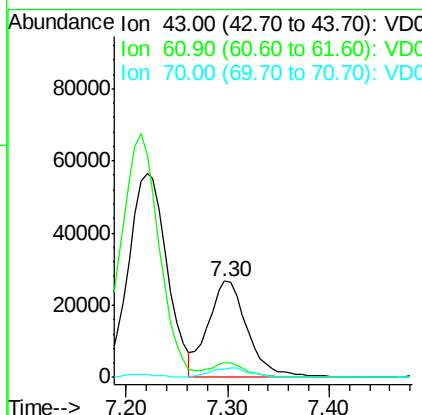
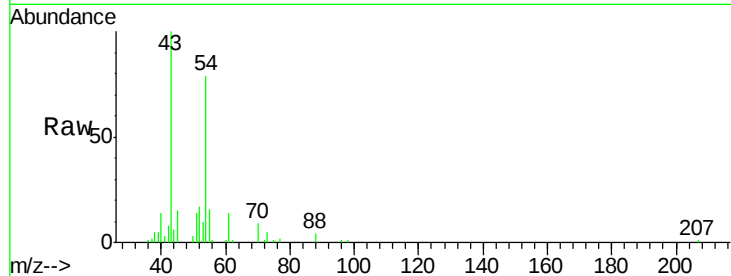
#37
Ethyl Acetate
Concen: 56.914 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD065636.D
Acq: 15 Apr 2020 15:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.9	16.3
70	9.9	7.9	11.9

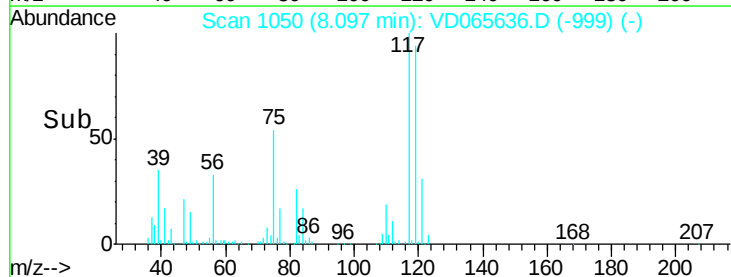
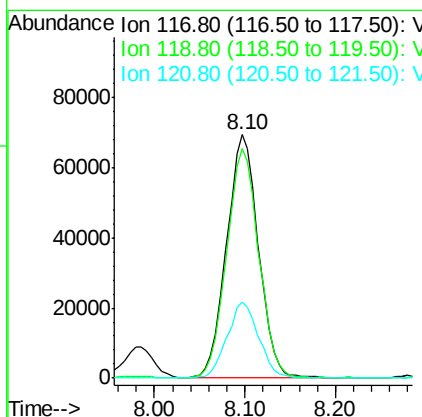
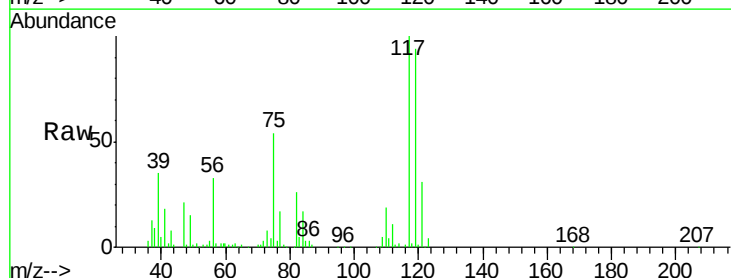
Manual Integrations
APPROVED

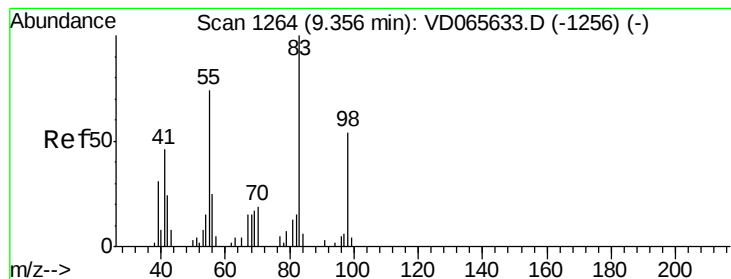
MMDadoda
4/16/2020 3:13:36 PM



#38
Carbon Tetrachloride
Concen: 48.382 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD065636.D
Acq: 15 Apr 2020 15:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.1	75.3	112.9
121	31.1	24.9	37.3





#39

Methvlcvclohexane

Concen: 53.016 ug/l

RT: 9.36 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VD065636.D

Acq: 15 Apr 2020 15:32

Instrument :

MSVOA_D

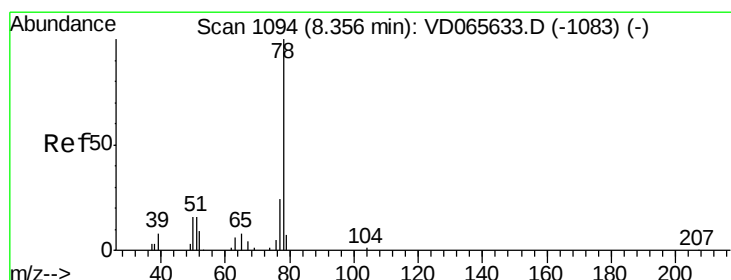
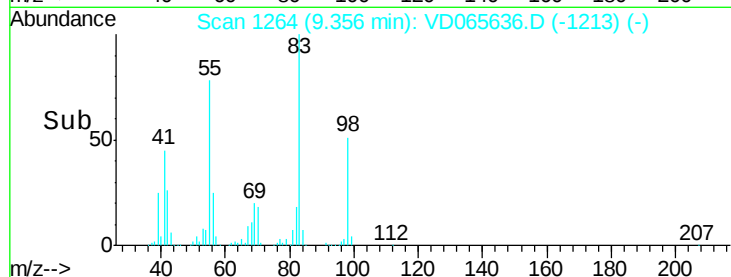
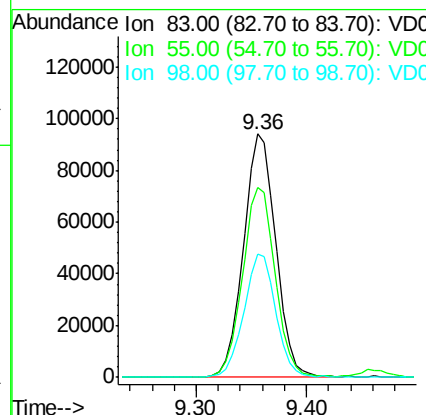
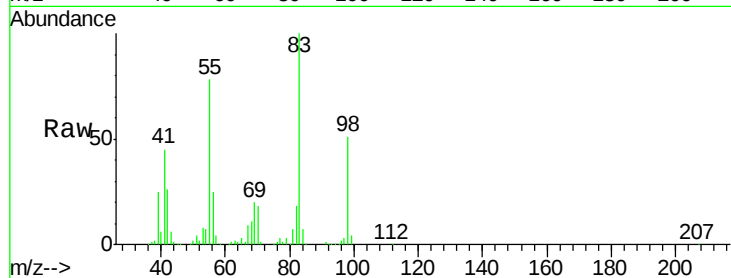
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	194068
Ion	Ratio	Lower	Upper
83	100		
55	77.9	62.3	93.5
98	50.6	40.5	60.7

Manual Integrations
APPROVED

MMDadoda
4/16/2020 3:13:36 PM



#40

Benzene

Concen: 49.819 ug/l

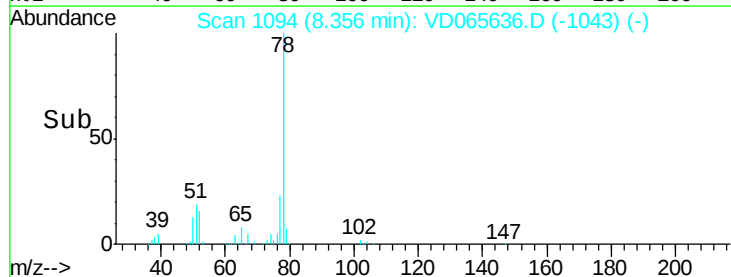
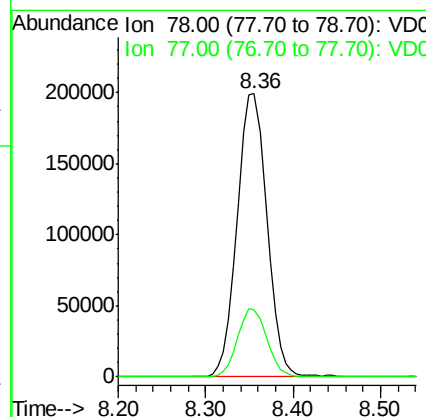
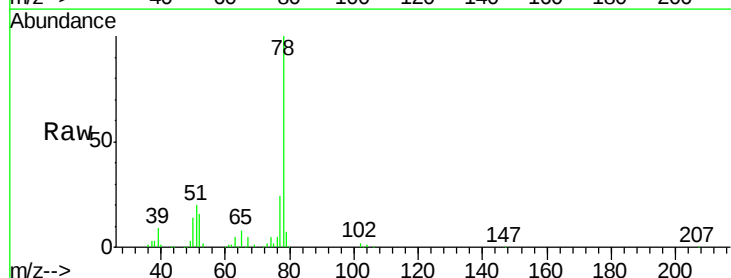
RT: 8.36 min Scan# 1094

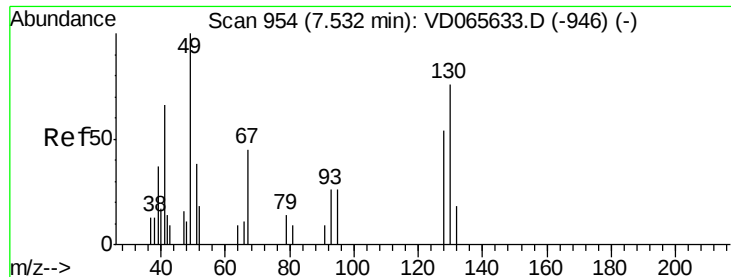
Delta R.T. 0.00 min

Lab File: VD065636.D

Acq: 15 Apr 2020 15:32

Tgt Ion:	78	Resp:	461715
Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.9	28.3





#41

Methacrylonitrile

Concen: 40.349 ug/l m

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD065636.D

Acq: 15 Apr 2020 15:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 41 Resp: 28640

Ion Ratio Lower Upper

41 100

39 0.0 0.0 0.0

67 0.0 0.0 0.0

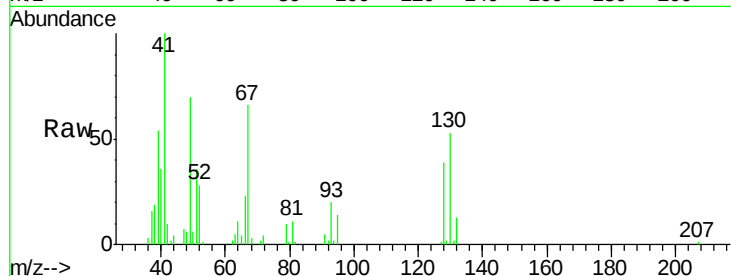
52 0.0 0.0 0.0

Manual Integrations

APPROVED

MMDadoda

4/16/2020 3:13:36 PM

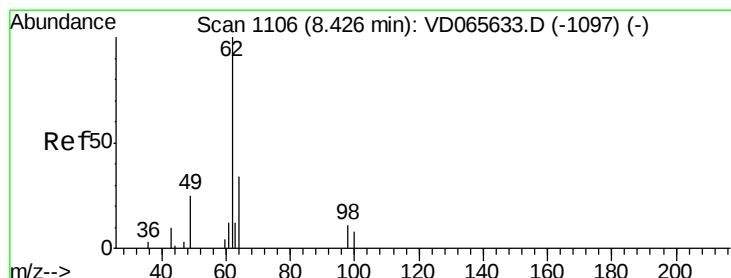
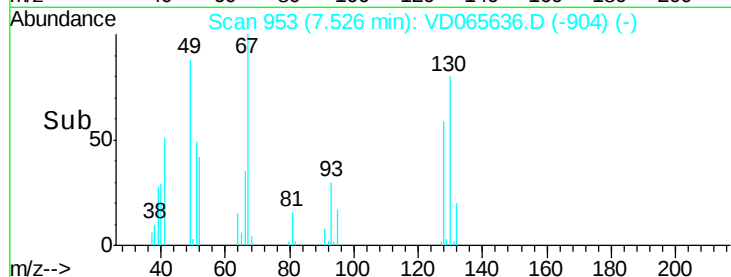
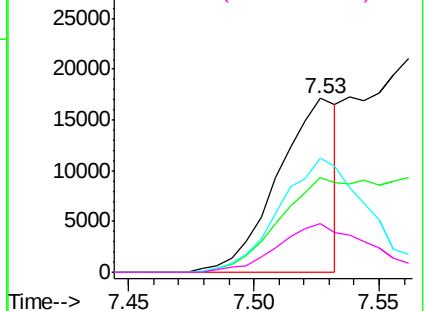


Abundance Ion 41.00 (40.70 to 41.70): VDC

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: 50.379 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD065636.D

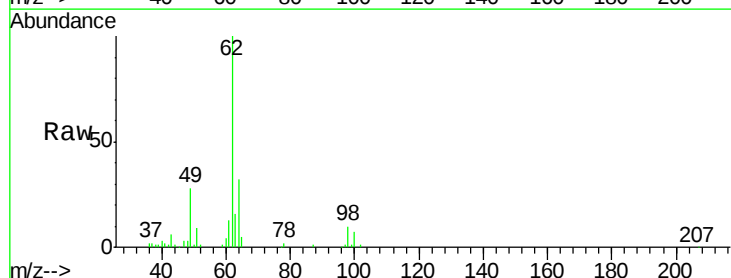
Acq: 15 Apr 2020 15:32

Tgt Ion: 62 Resp: 132045

Ion Ratio Lower Upper

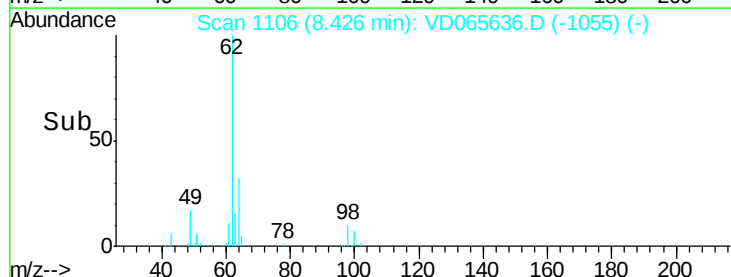
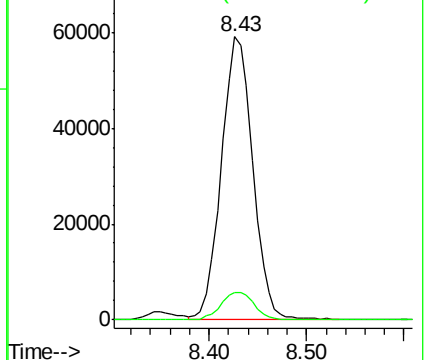
62 100

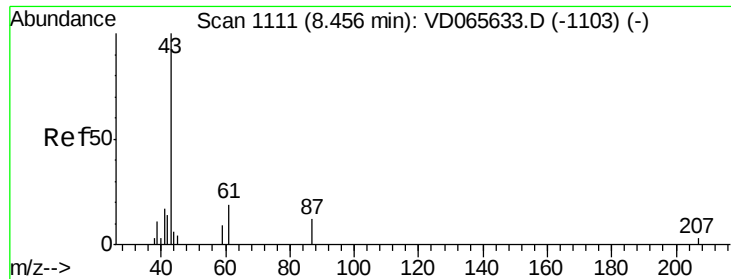
98 10.3 0.0 20.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 55.743 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD065636.D

Acq: 15 Apr 2020 15:32

Instrument :

MSVOA_D

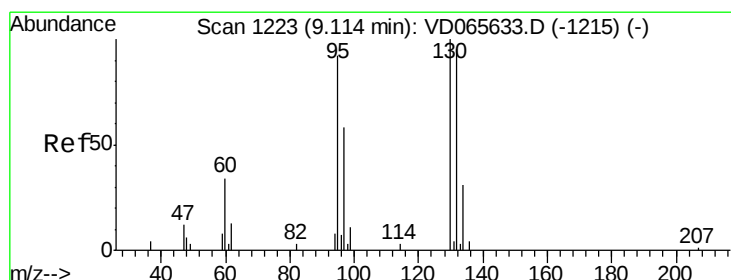
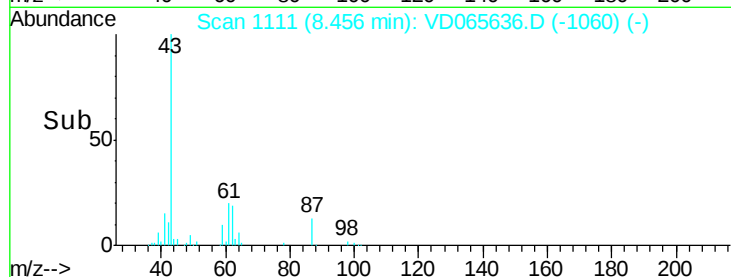
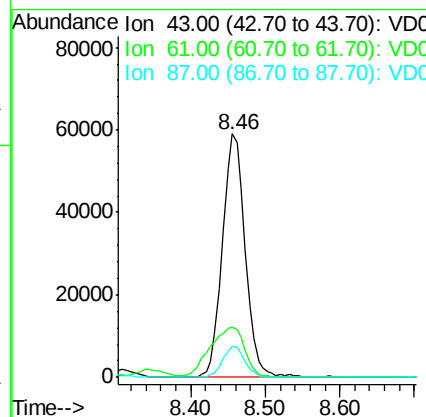
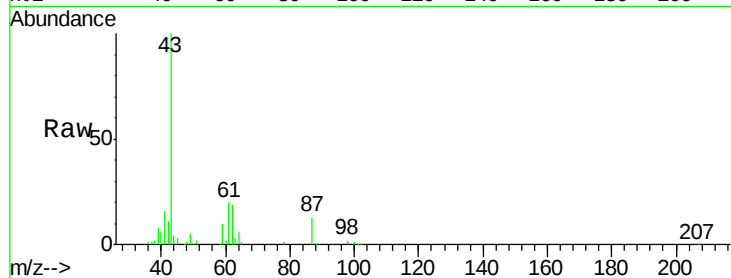
ClientSampleId :

VSTDICCC050

Tot Ion:	43	Resp:	125768
Ion	Ratio	Lower	Upper
43	100		
61	31.3	25.0	37.6
87	12.4	9.9	14.9

Manual Integrations
APPROVED

MMDadoda
4/16/2020 3:13:36 PM



#44

Trichloroethene

Concen: 47.933 ug/l

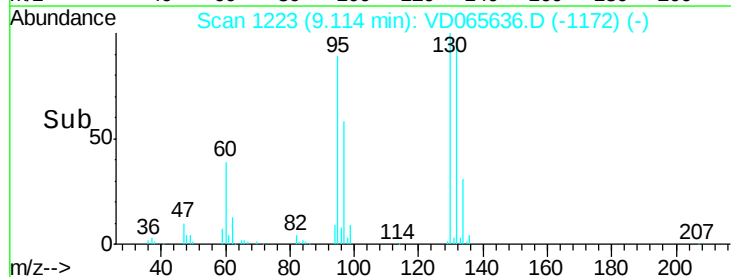
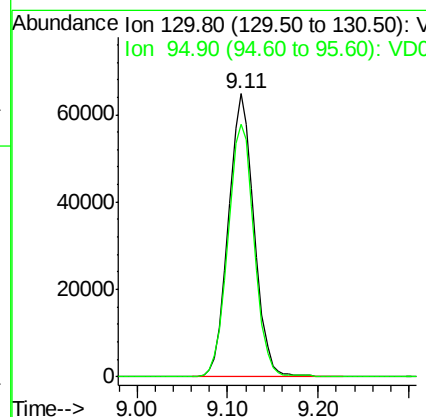
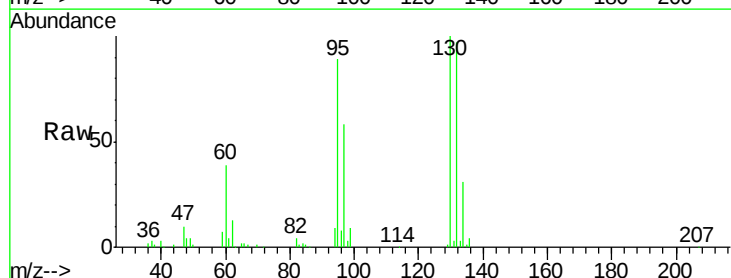
RT: 9.11 min Scan# 1223

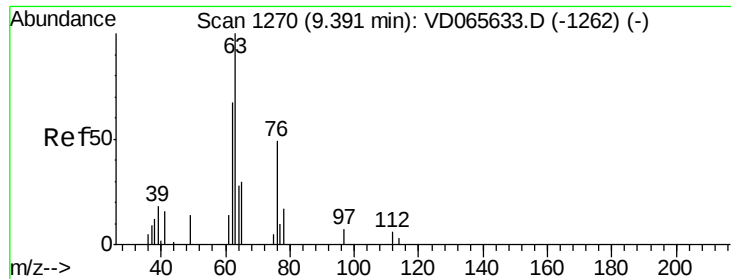
Delta R.T. 0.00 min

Lab File: VD065636.D

Acq: 15 Apr 2020 15:32

Tgt Ion:	130	Resp:	126908
Ion	Ratio	Lower	Upper
130	100		
95	89.2	0.0	178.4





#45

1,2-Dichloropropane

Concen: 51.074 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD065636.D

Acq: 15 Apr 2020 15:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 63 Resp: 116149

Ion Ratio Lower Upper

63 100

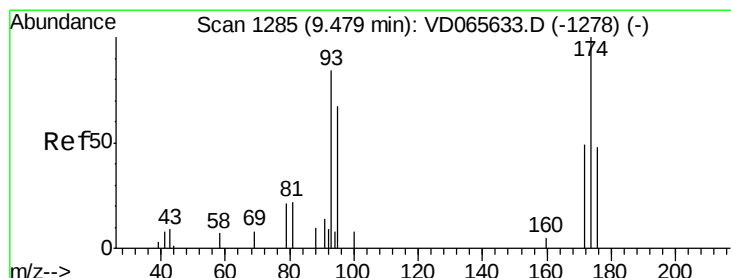
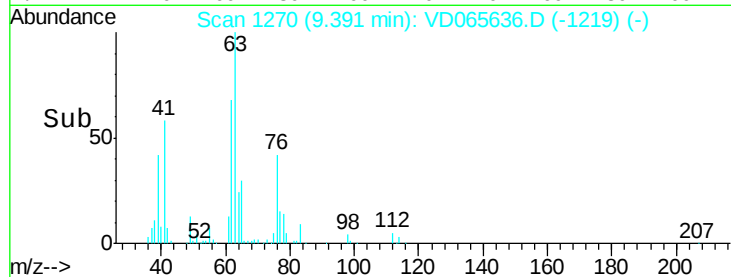
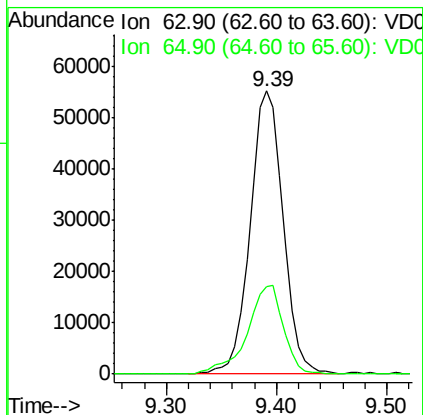
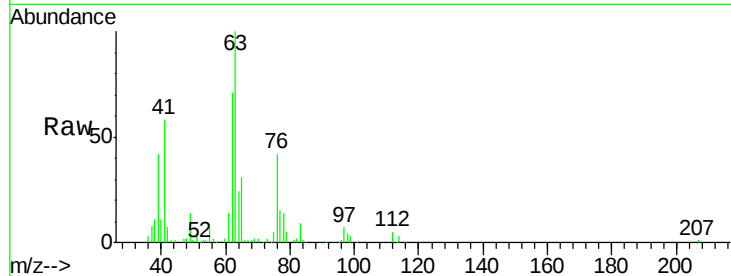
65 30.9 24.7 37.1

Manual Integrations

APPROVED

MMDadoda

4/16/2020 3:13:36 PM



#46

Dibromomethane

Concen: 50.034 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD065636.D

Acq: 15 Apr 2020 15:32

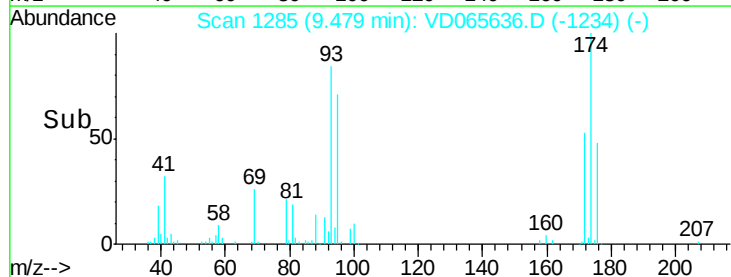
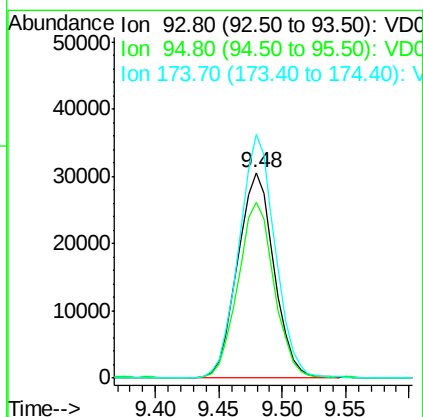
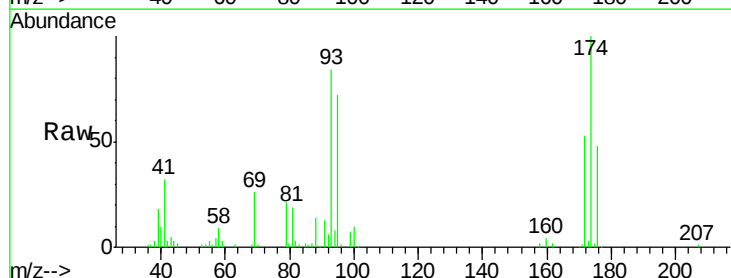
Tgt Ion: 93 Resp: 61329

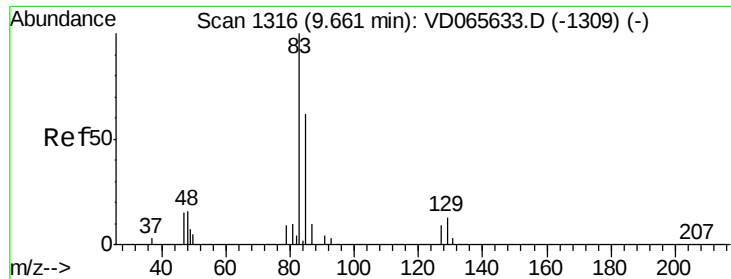
Ion Ratio Lower Upper

93 100

95 84.3 67.4 101.2

174 117.6 94.1 141.1





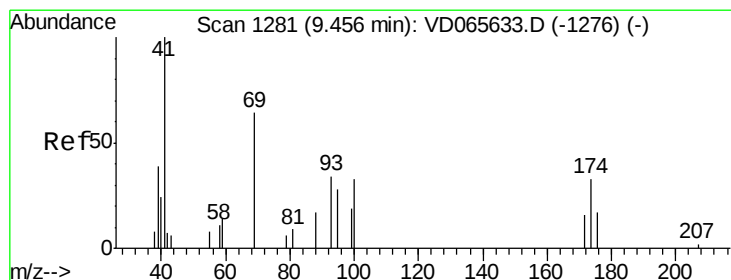
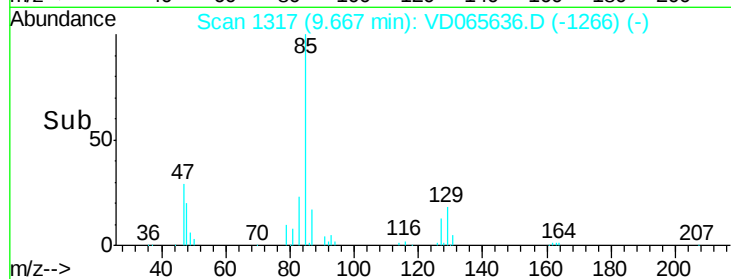
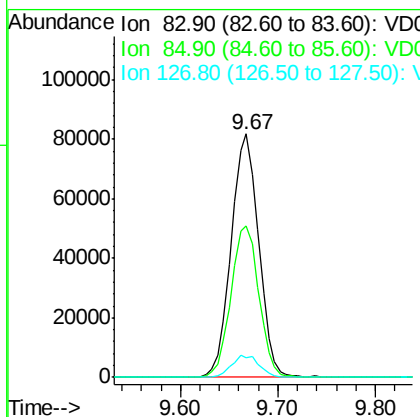
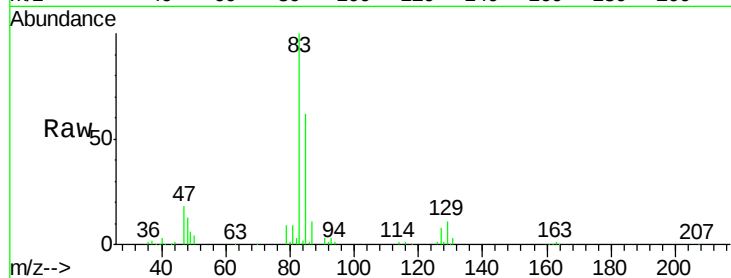
#47
Bromodichloromethane
Concen: 50.153 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD065636.D
Acq: 15 Apr 2020 15:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	160423		
85	62.3	49.8	74.8	
127	8.2	6.6	9.8	

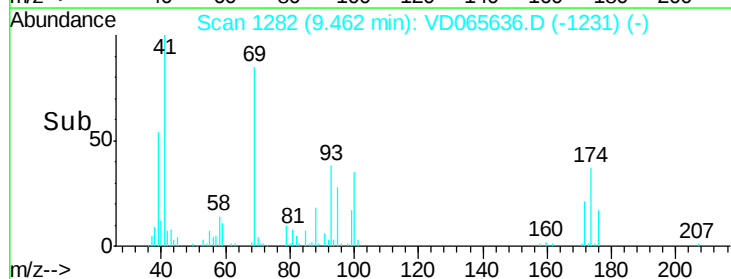
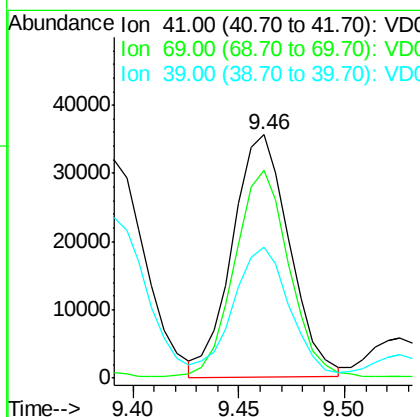
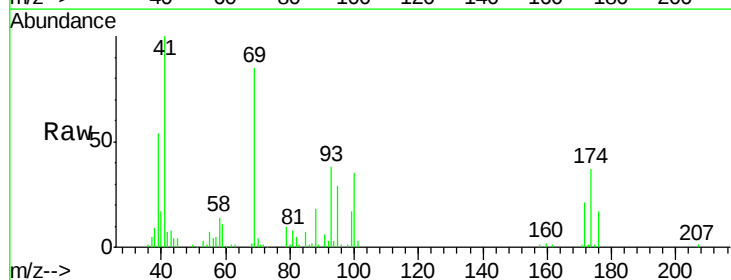
Manual Integrations
APPROVED

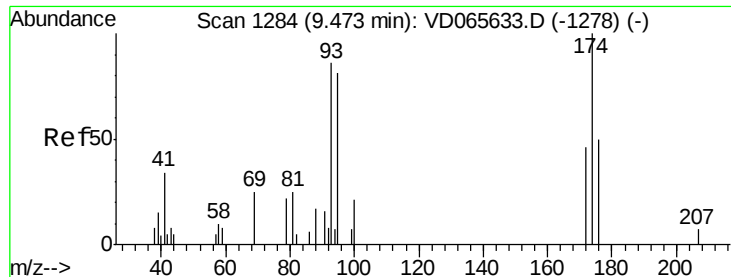
MMDadoda
4/16/2020 3:13:36 PM



#48
Methyl methacrylate
Concen: 61.935 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD065636.D
Acq: 15 Apr 2020 15:32

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	66638		
69	83.5	66.8	100.2	
39	49.5	39.6	59.4	





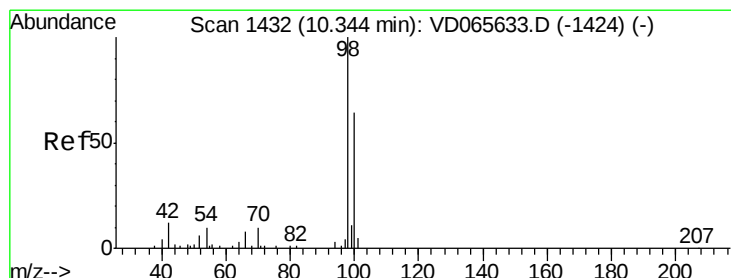
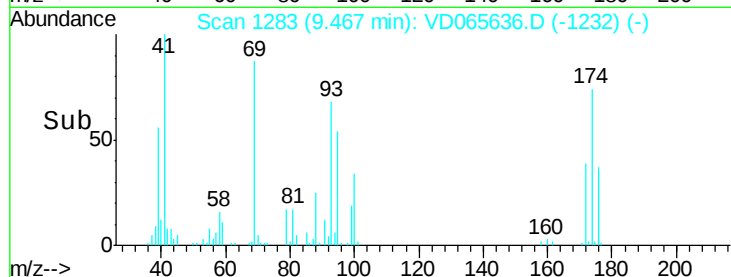
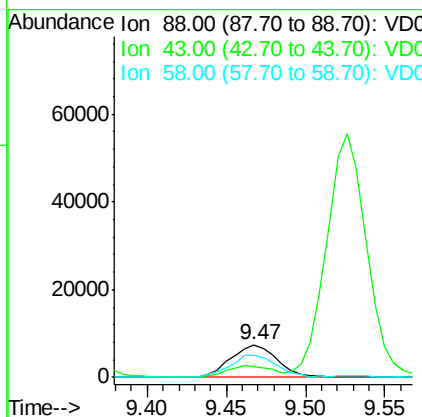
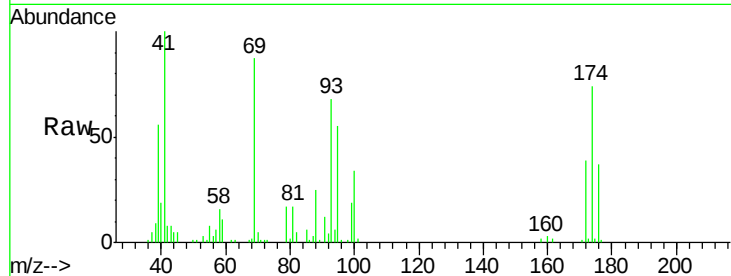
#49
1,4-Dioxane
Concen: 1129.039 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD065636.D
Acq: 15 Apr 2020 15:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	88	Resp	15051
Ion Ratio	Lower	Upper	
88	100		
43	35.1	28.1	42.1
58	69.6	55.7	83.5

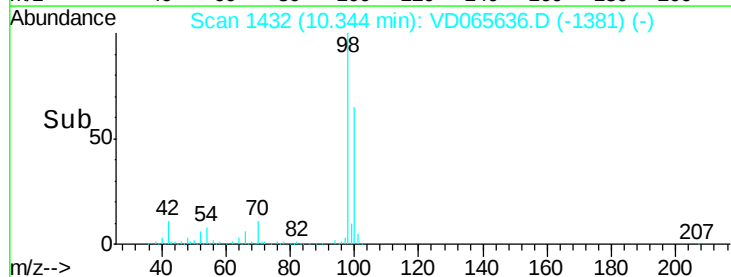
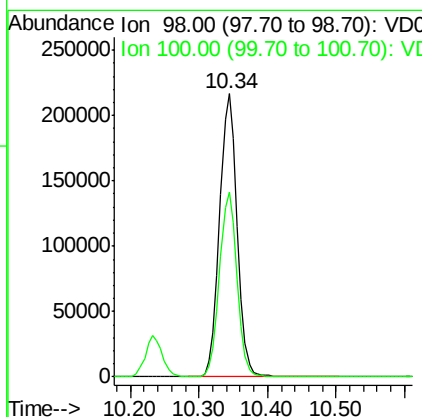
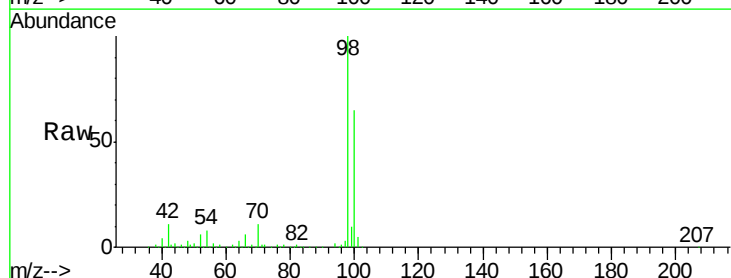
Manual Integrations
APPROVED

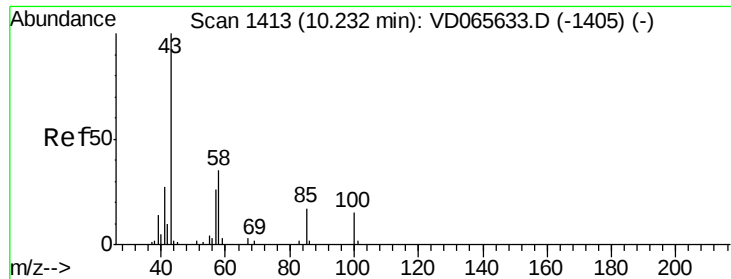
MMDadoda
4/16/2020 3:13:36 PM



#50
Toluene-d8
Concen: 48.103 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065636.D
Acq: 15 Apr 2020 15:32

Tgt Ion	98	Resp	383600
Ion Ratio	Lower	Upper	
98	100		
100	65.5	52.4	78.6





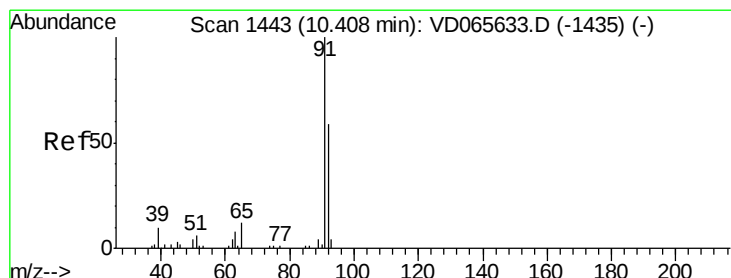
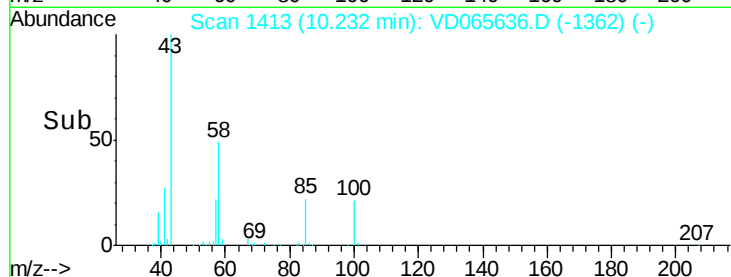
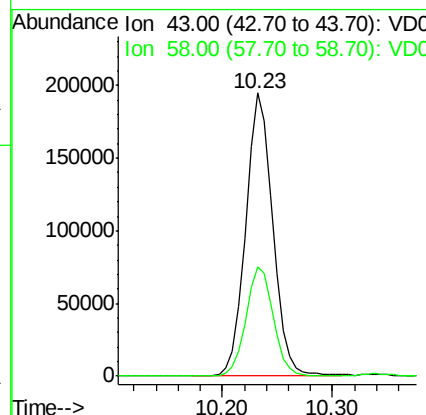
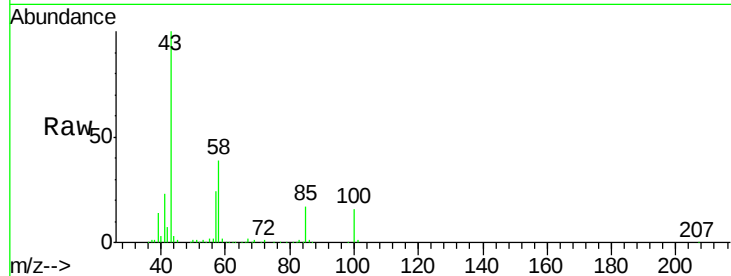
#51
 4-Methyl-2-Pentanone
 Concen: 287.221 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. 0.00 min
 Lab File: VD065636.D
 Acq: 15 Apr 2020 15:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion: 43 Resp: 336573
 Ion Ratio Lower Upper
 43 100
 58 38.9 31.1 46.7

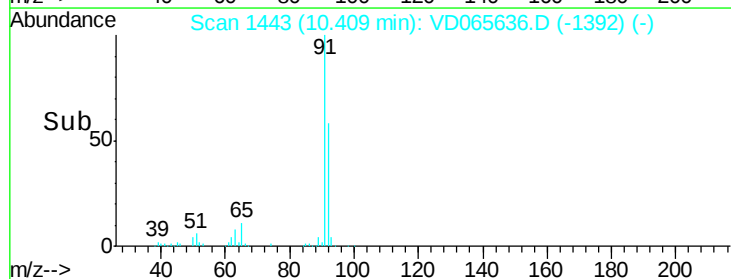
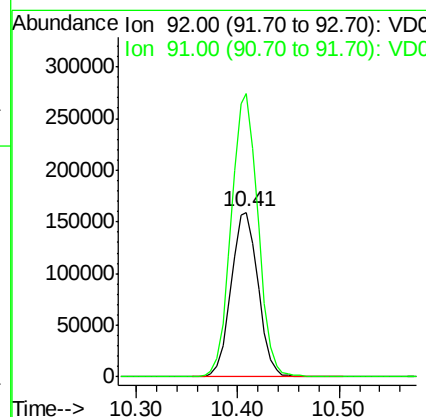
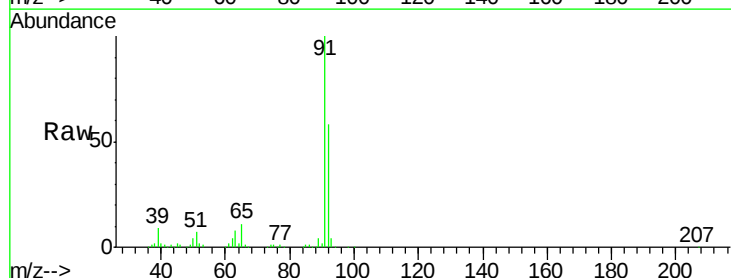
Manual Integrations
 APPROVED

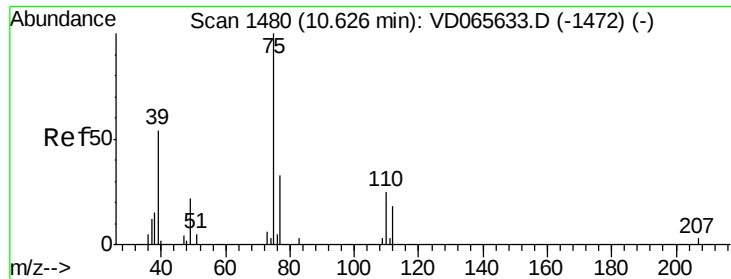
MMDadoda
 4/16/2020 3:13:36 PM



#52
 Toluene
 Concen: 50.365 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. 0.00 min
 Lab File: VD065636.D
 Acq: 15 Apr 2020 15:32

Tgt Ion: 92 Resp: 294204
 Ion Ratio Lower Upper
 92 100
 91 170.8 136.6 205.0





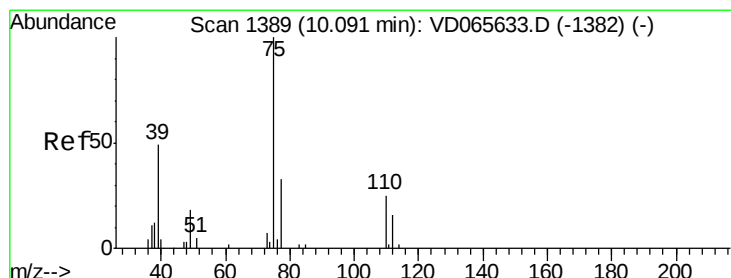
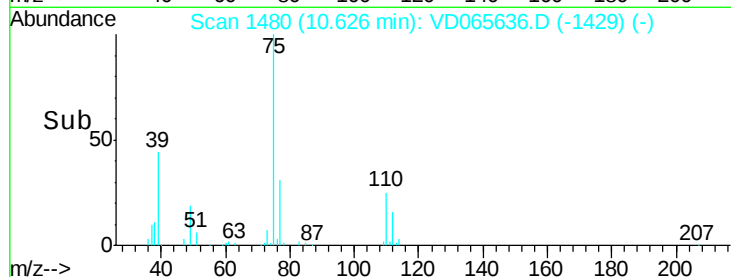
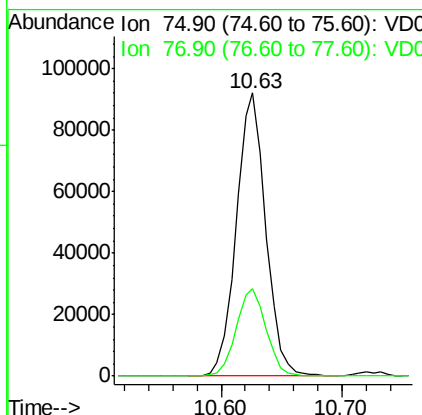
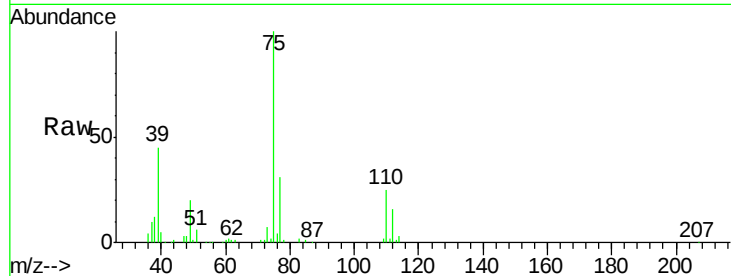
#53
t-1,3-Dichloropropene
Concen: 54.296 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD065636.D
Acq: 15 Apr 2020 15:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.0	24.8	37.2

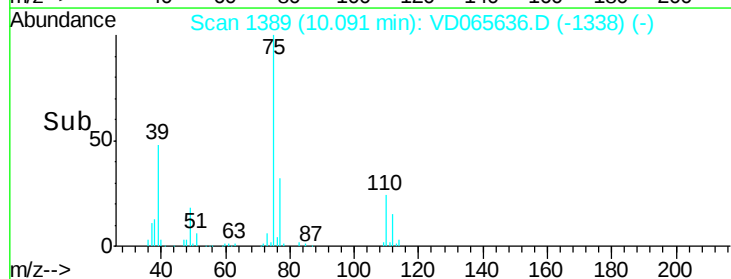
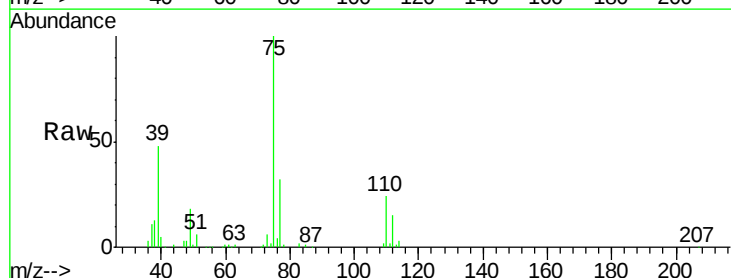
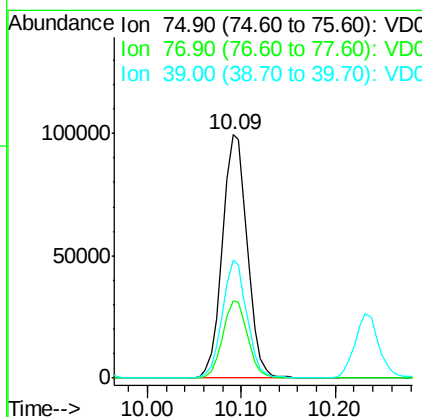
Manual Integrations
APPROVED

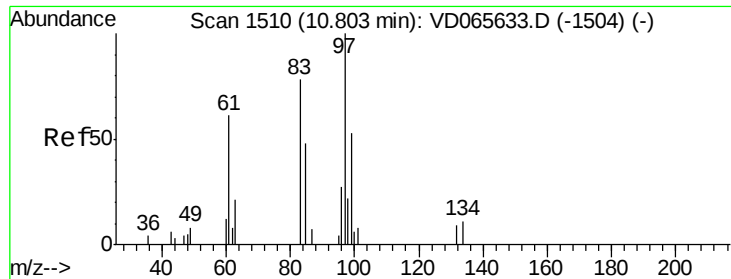
MMDadoda
4/16/2020 3:13:36 PM



#54
cis-1,3-Dichloropropene
Concen: 52.570 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD065636.D
Acq: 15 Apr 2020 15:32

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.2	37.8
39	48.4	38.7	58.1





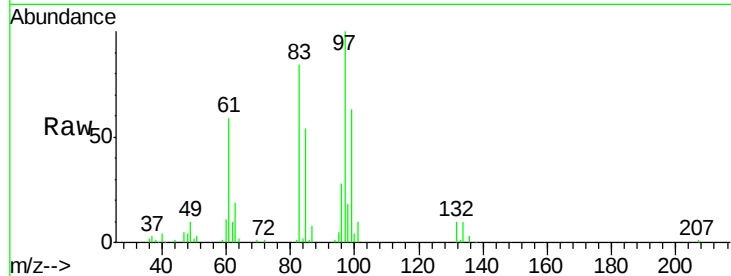
#55
 1,1,2-Trichloroethane
 Concen: 50.856 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD065636.D
 Acq: 15 Apr 2020 15:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

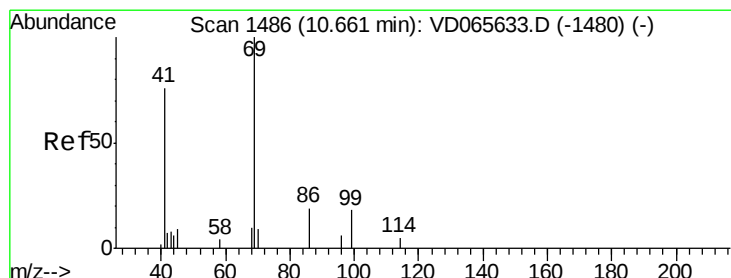
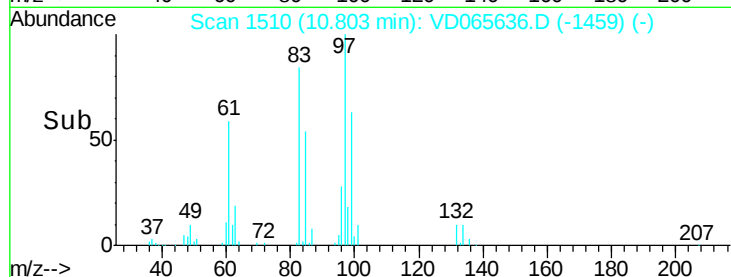
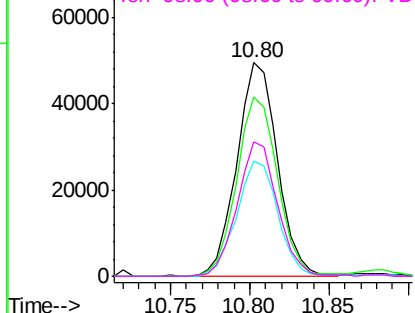
Tot Ion:	97	Resp:	88051
Ion	Ratio	Lower	Upper
97	100		
83	84.2	67.4	101.0
85	54.2	43.4	65.0
99	63.1	50.5	75.7

Manual Integrations
 APPROVED

MMDadoda
 4/16/2020 3:13:36 PM

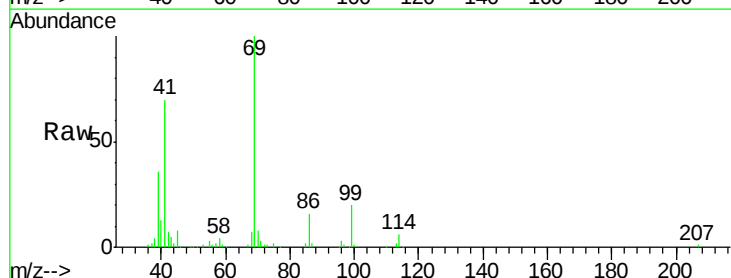


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

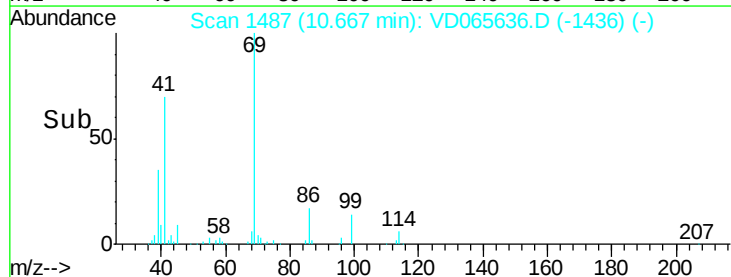
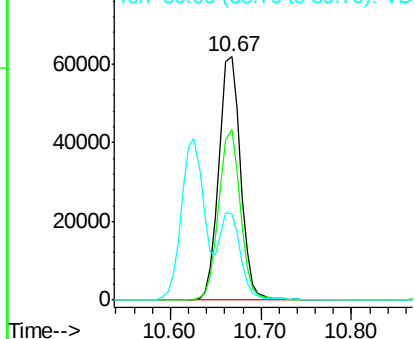


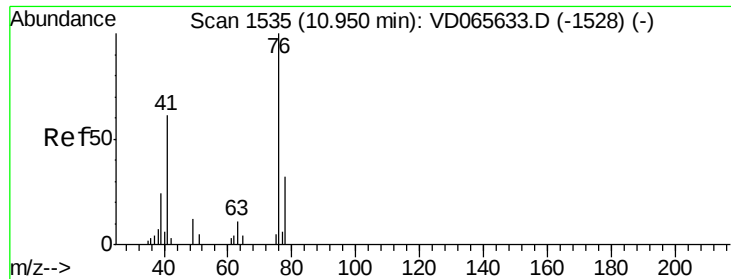
#56
 Ethyl methacrylate
 Concen: 58.813 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065636.D
 Acq: 15 Apr 2020 15:32

Tgt Ion:	69	Resp:	103121
Ion	Ratio	Lower	Upper
69	100		
41	70.3	56.2	84.4
39	33.2	26.6	39.8



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





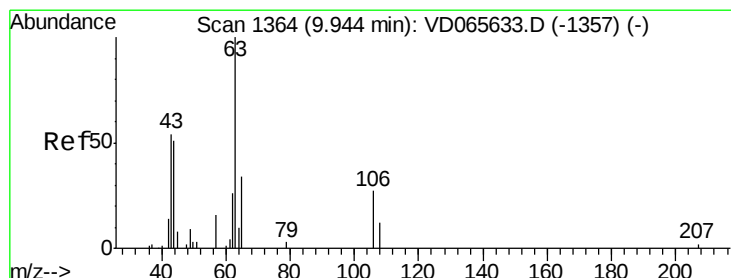
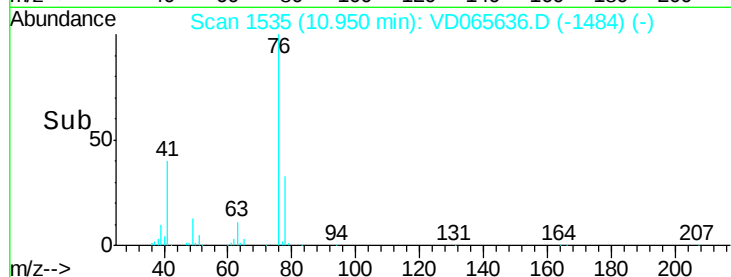
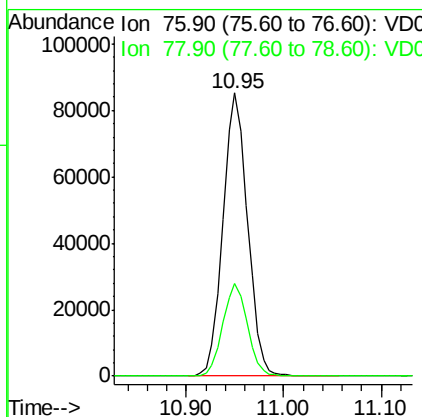
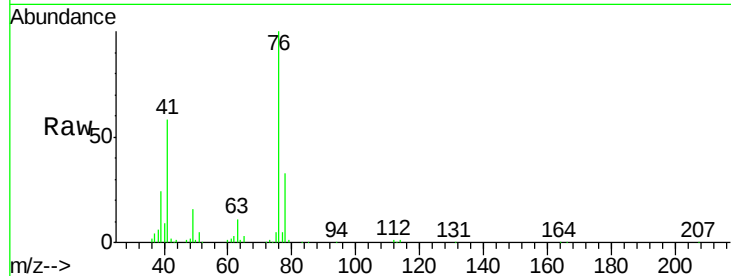
#57
 1,3-Dichloropropane
 Concen: 51.988 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD065636.D
 Acq: 15 Apr 2020 15:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion: 76 Resp: 149045
 Ion Ratio Lower Upper
 76 100
 78 32.6 26.1 39.1

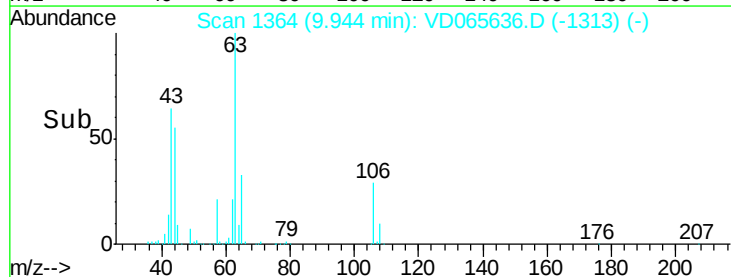
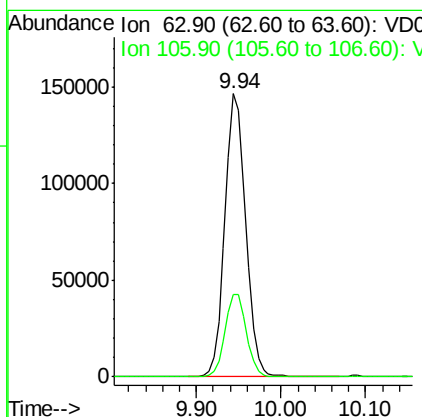
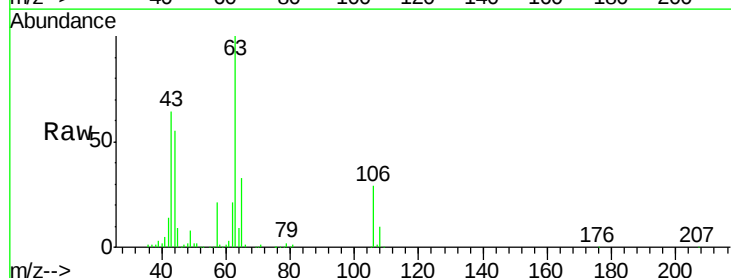
Manual Integrations
 APPROVED

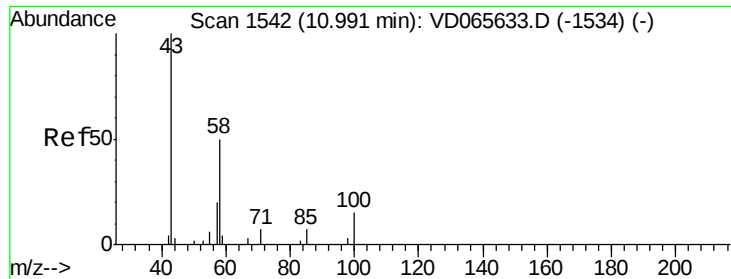
MMDadoda
 4/16/2020 3:13:36 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 273.333 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD065636.D
 Acq: 15 Apr 2020 15:32

Tgt Ion: 63 Resp: 249493
 Ion Ratio Lower Upper
 63 100
 106 29.7 23.8 35.6





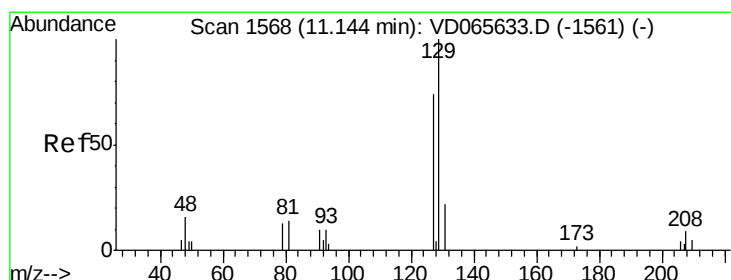
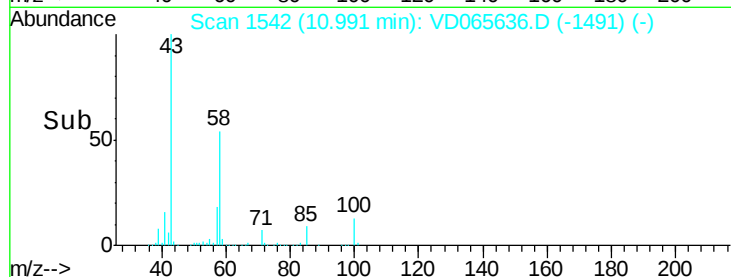
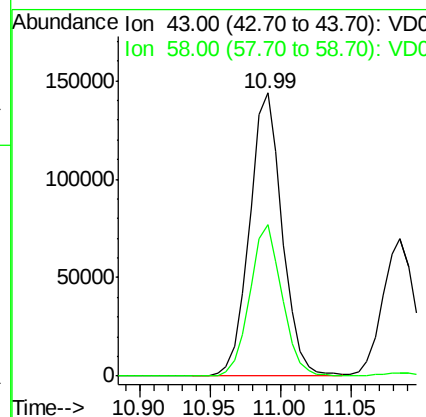
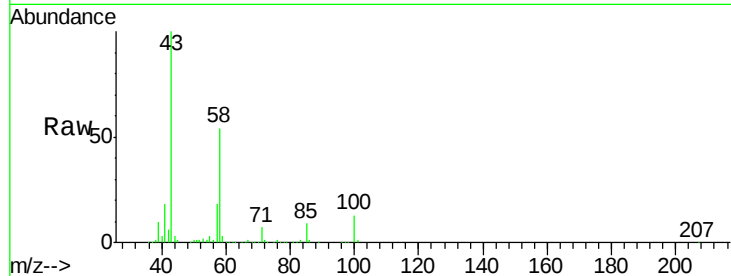
#59
2-Hexanone
Concen: 298.783 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065636.D
Acq: 15 Apr 2020 15:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	43	Resp	233752
Ion Ratio	43	100	
Lower	58	52.9	26.5
Upper			79.4

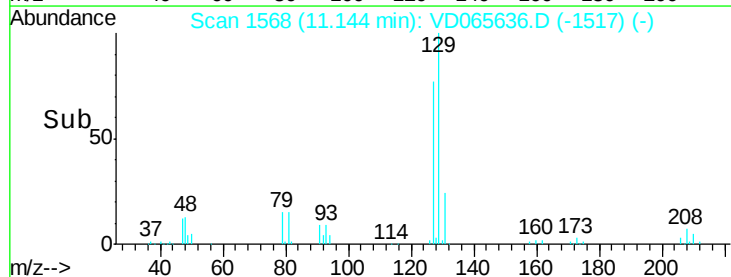
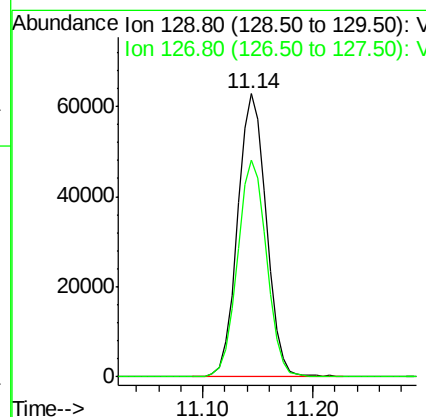
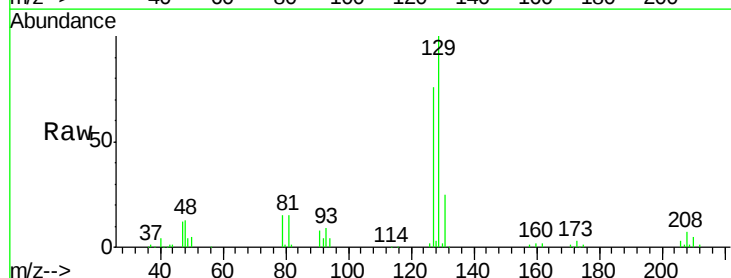
Manual Integrations
APPROVED

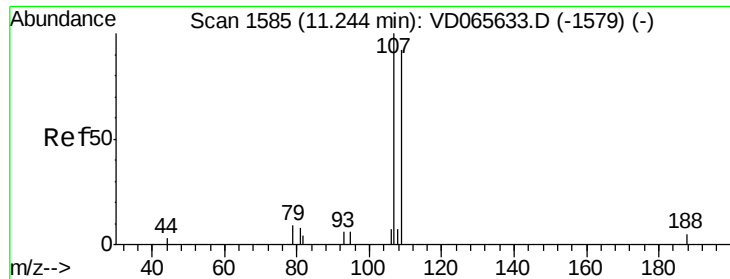
MMDadoda
4/16/2020 3:13:36 PM



#60
Dibromochloromethane
Concen: 50.229 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065636.D
Acq: 15 Apr 2020 15:32

Tgt Ion	129	Resp	114806
Ion Ratio	129	100	
Lower	127	77.5	38.8
Upper			116.3





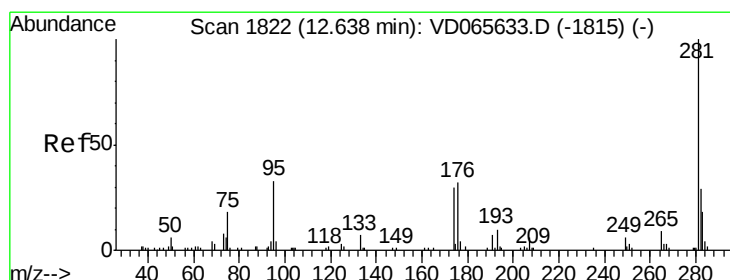
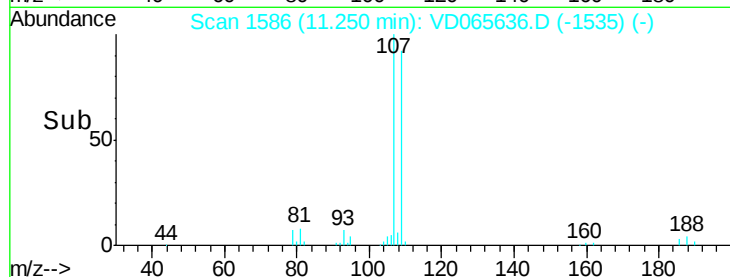
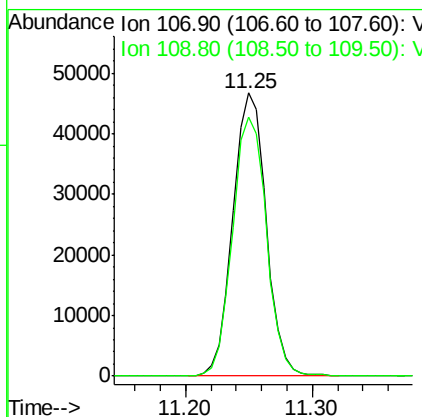
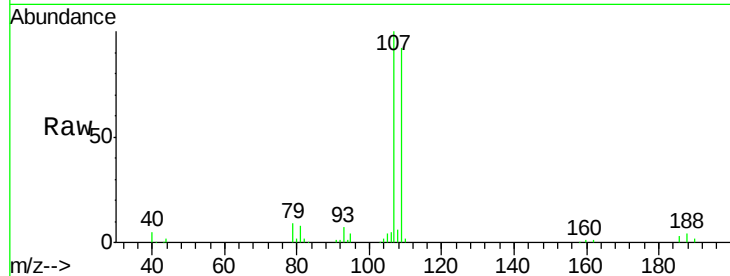
#61
 1,2-Dibromoethane
 Concen: 51.571 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065636.D
 Acq: 15 Apr 2020 15:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion: 107 Resp: 84918
 Ion Ratio Lower Upper
 107 100
 109 93.3 74.6 112.0

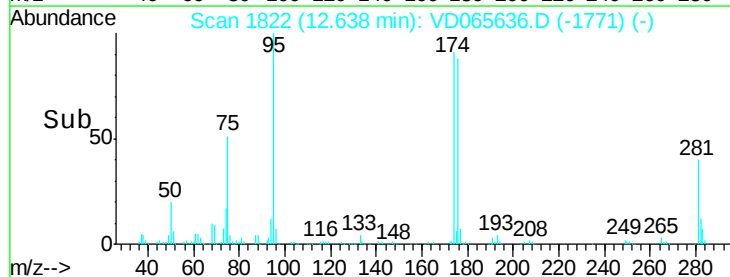
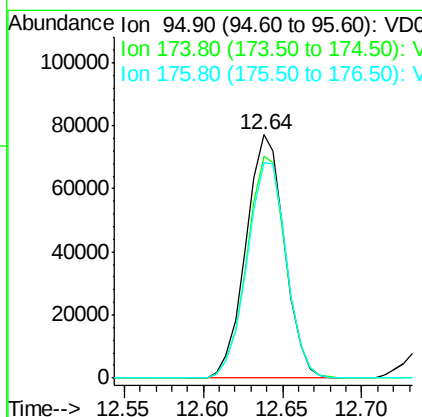
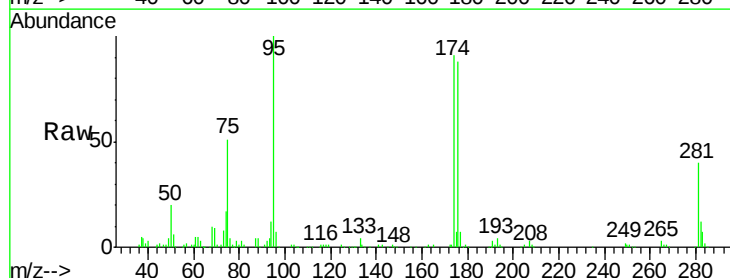
Manual Integrations
 APPROVED

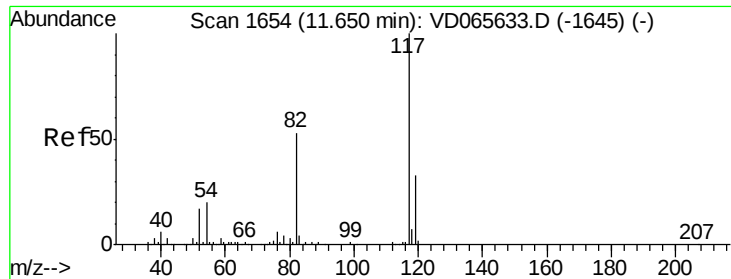
MMDadoda
 4/16/2020 3:13:36 PM



#62
 4-Bromofluorobenzene
 Concen: 50.249 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065636.D
 Acq: 15 Apr 2020 15:32

Tgt Ion: 95 Resp: 130026
 Ion Ratio Lower Upper
 95 100
 174 91.9 0.0 183.8
 176 90.7 0.0 181.4





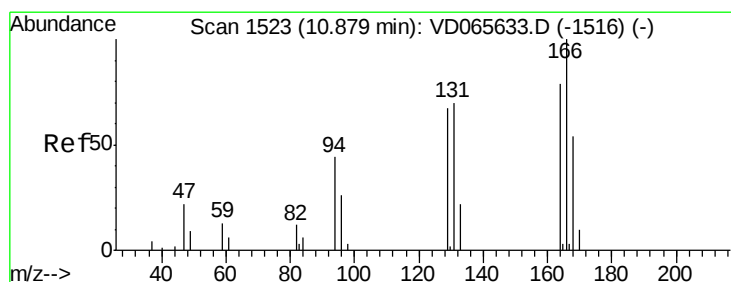
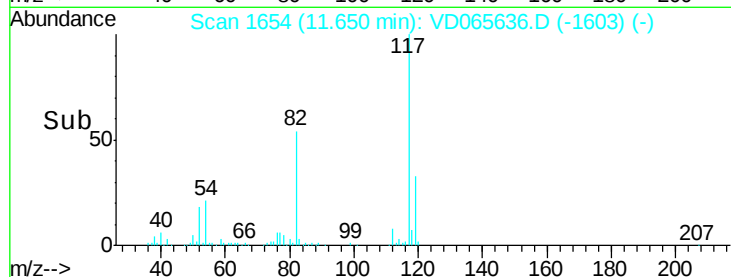
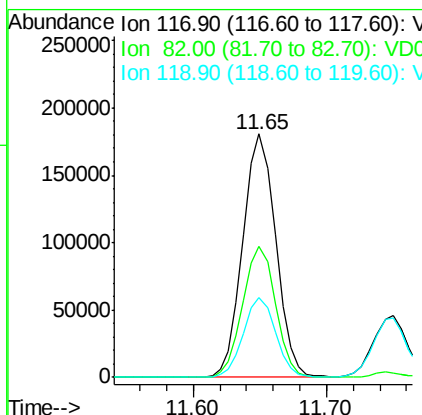
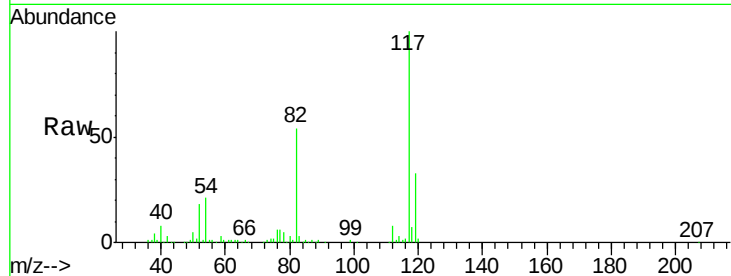
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065636.D
Acq: 15 Apr 2020 15:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.0	43.2	64.8
119	32.8	26.2	39.4

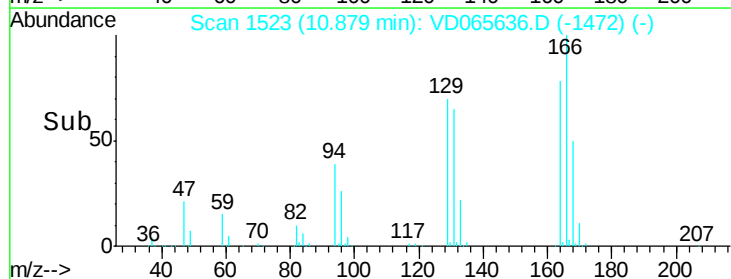
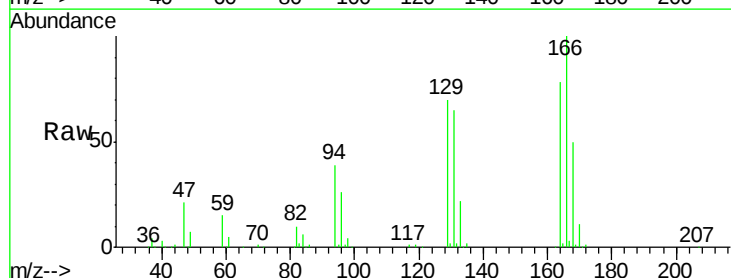
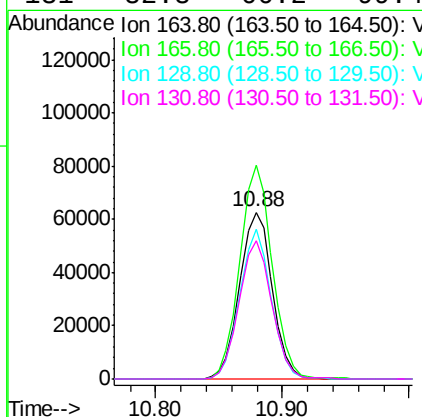
Manual Integrations
APPROVED

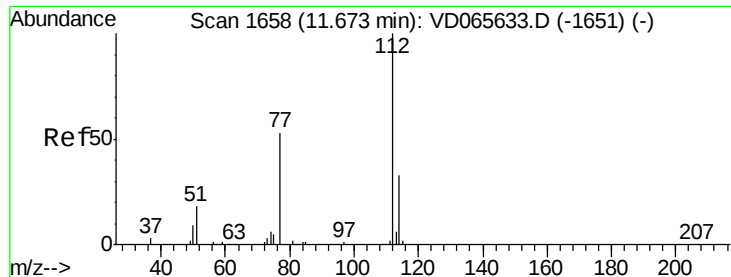
MMDadoda
4/16/2020 3:13:36 PM



#64
Tetrachloroethene
Concen: 46.764 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065636.D
Acq: 15 Apr 2020 15:32

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.9	102.3	153.5
129	89.6	71.7	107.5
131	82.8	66.2	99.4





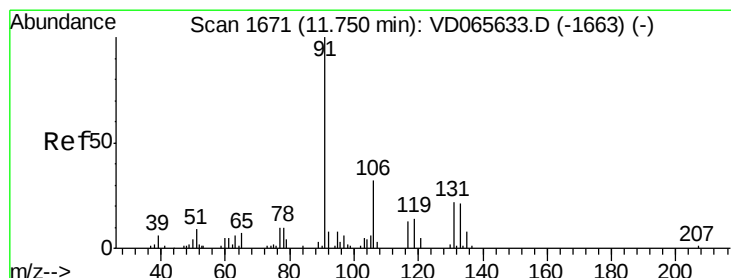
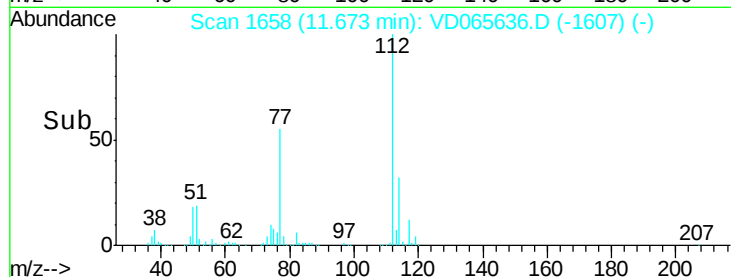
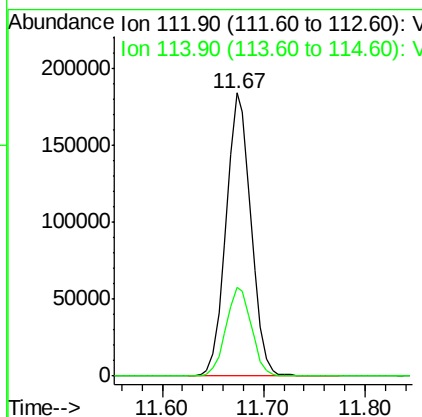
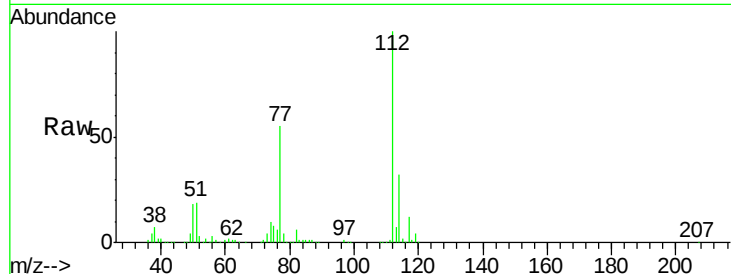
#65
Chlorobenzene
Concen: 47.707 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD065636.D
Acq: 15 Apr 2020 15:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.6	25.3	37.9

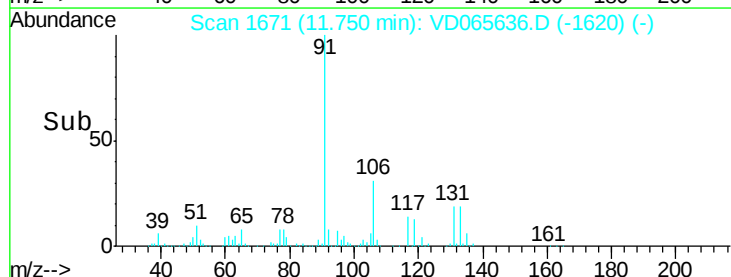
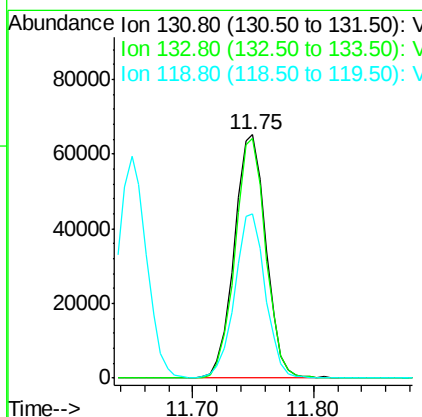
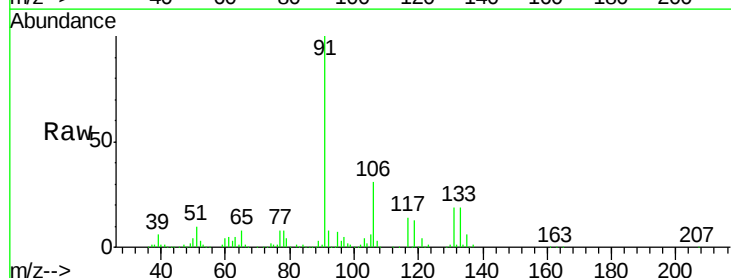
Manual Integrations
APPROVED

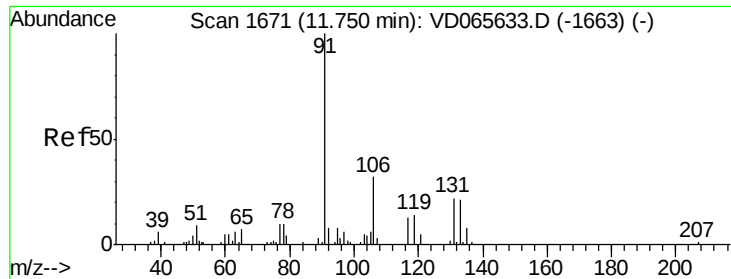
MMDadoda
4/16/2020 3:13:36 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 47.753 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065636.D
Acq: 15 Apr 2020 15:32

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.4	47.7	143.1
119	65.1	32.6	97.7





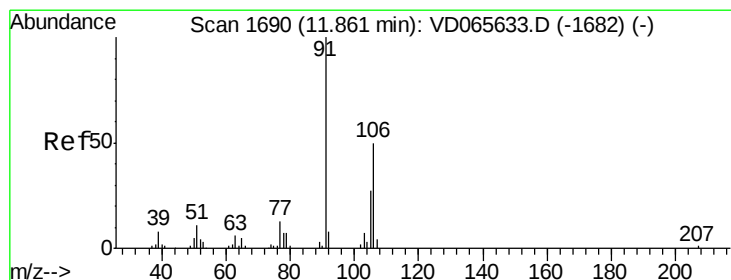
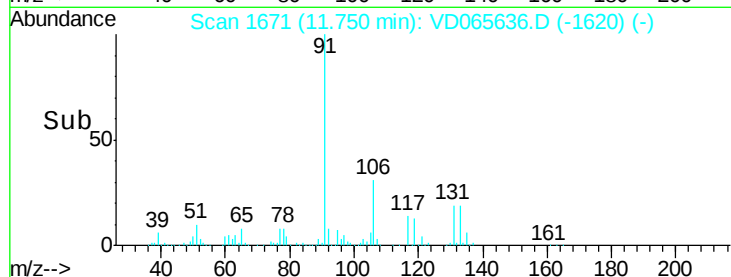
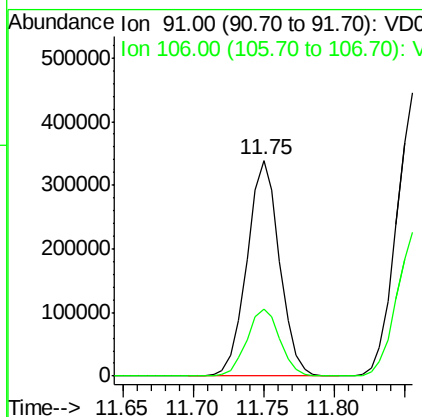
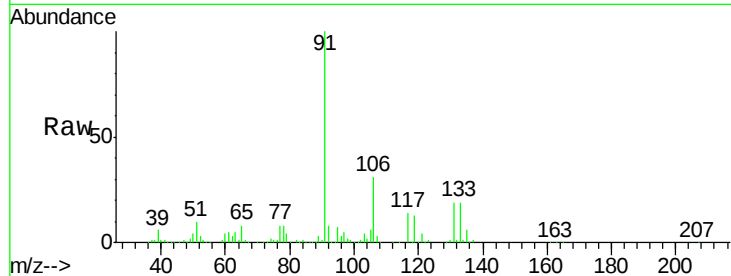
#67
Ethyl Benzene
Concen: 50.749 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065636.D
Acq: 15 Apr 2020 15:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 549013
Ion Ratio Lower Upper
91 100
106 31.4 25.1 37.7

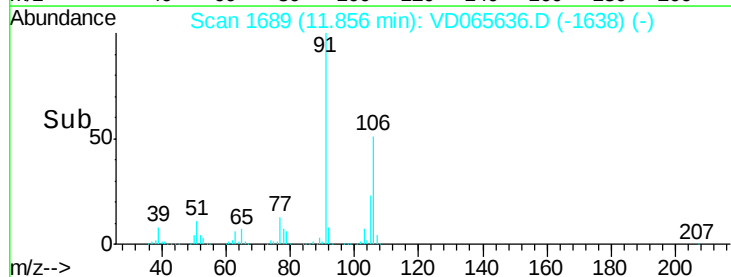
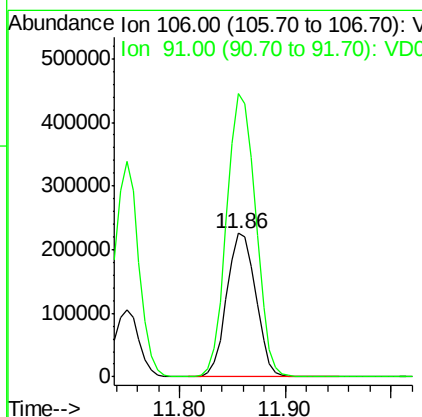
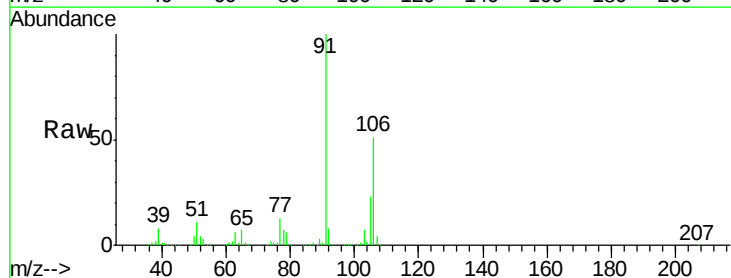
Manual Integrations
APPROVED

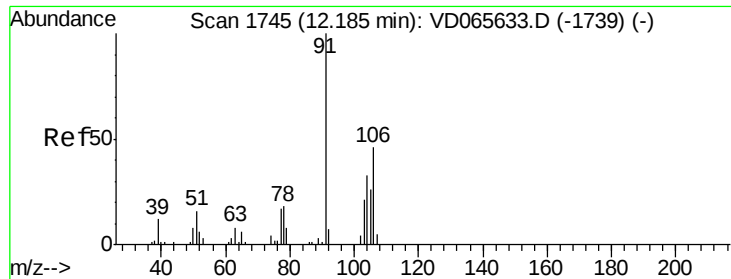
MMDadoda
4/16/2020 3:13:36 PM



#68
m/p-Xylenes
Concen: 101.044 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD065636.D
Acq: 15 Apr 2020 15:32

Tgt Ion: 106 Resp: 429741
Ion Ratio Lower Upper
106 100
91 197.4 157.9 236.9





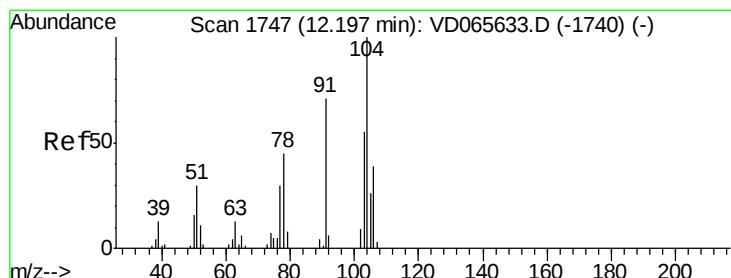
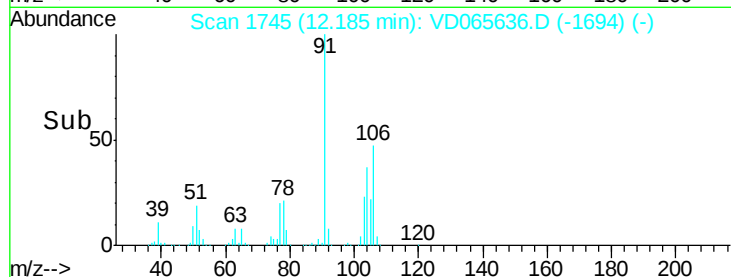
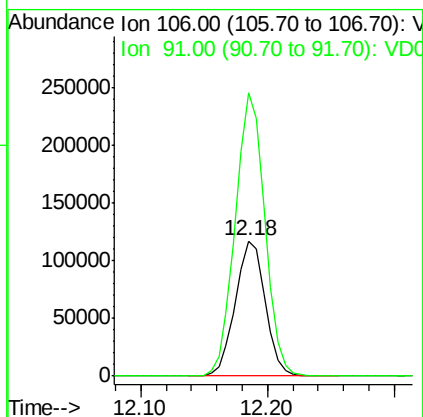
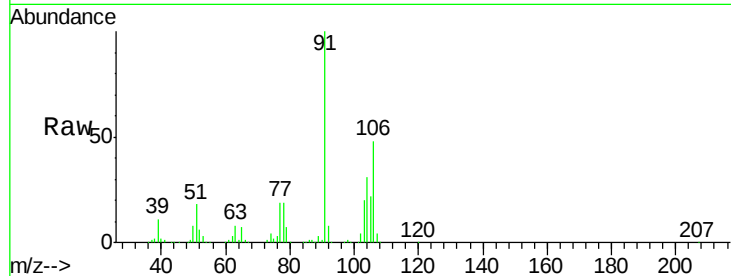
#69
o-Xylene
Concen: 52.050 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065636.D
Acq: 15 Apr 2020 15:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion:106 Resp: 191464
Ion Ratio Lower Upper
106 100
91 207.3 103.6 310.9

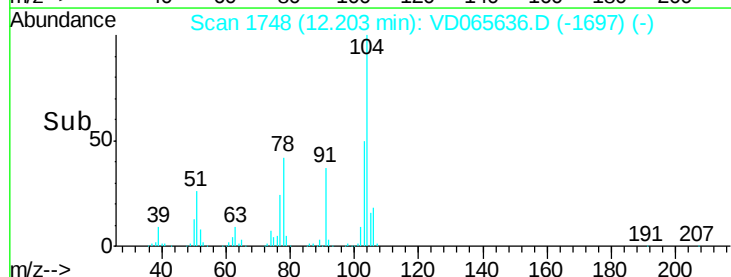
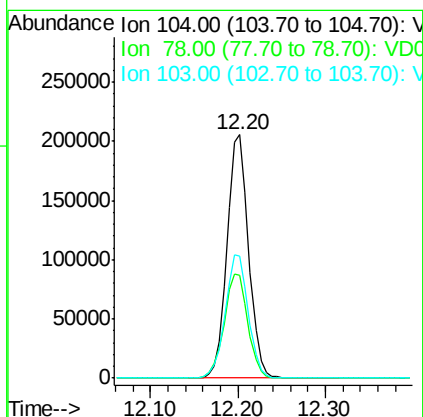
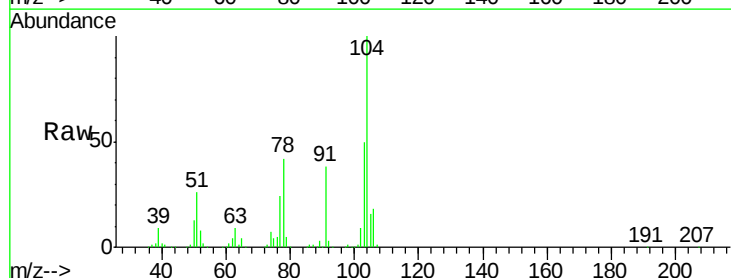
Manual Integrations
APPROVED

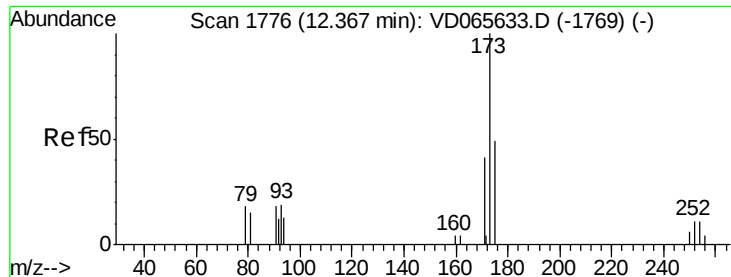
MMDadoda
4/16/2020 3:13:36 PM



#70
Styrene
Concen: 53.361 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065636.D
Acq: 15 Apr 2020 15:32

Tgt Ion:104 Resp: 347426
Ion Ratio Lower Upper
104 100
78 46.9 37.5 56.3
103 54.2 43.4 65.0





#71

Bromoform

Concen: 49.547 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065636.D

Acq: 15 Apr 2020 15:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion:173 Resp: 70730

Ion Ratio Lower Upper

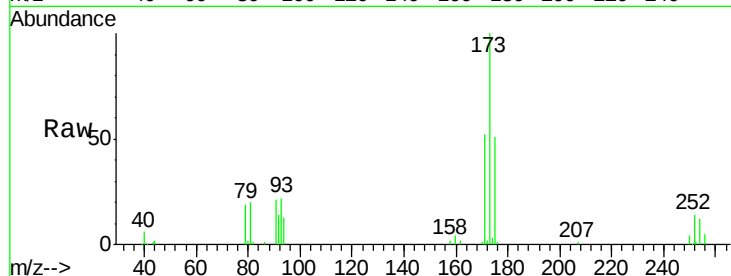
173 100

175 50.1 25.1 75.2

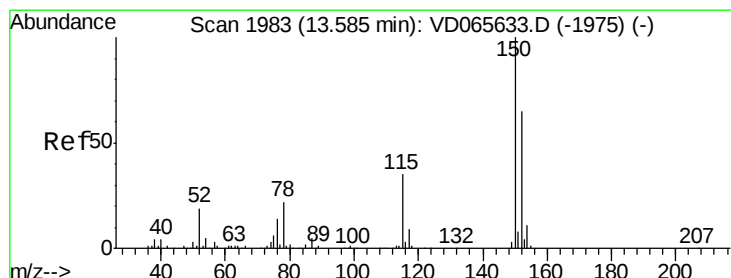
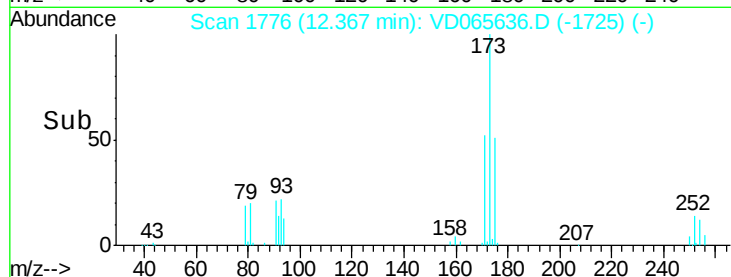
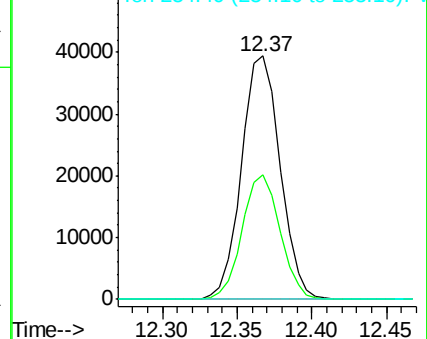
254 0.0 0.0 0.0

Manual Integrations
APPROVED

MMDadoda
4/16/2020 3:13:36 PM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD065636.D

Acq: 15 Apr 2020 15:32

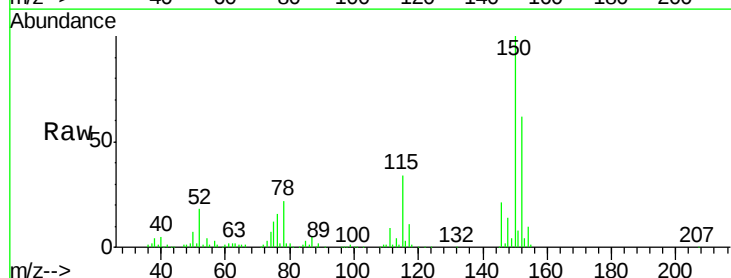
Tgt Ion:152 Resp: 161071

Ion Ratio Lower Upper

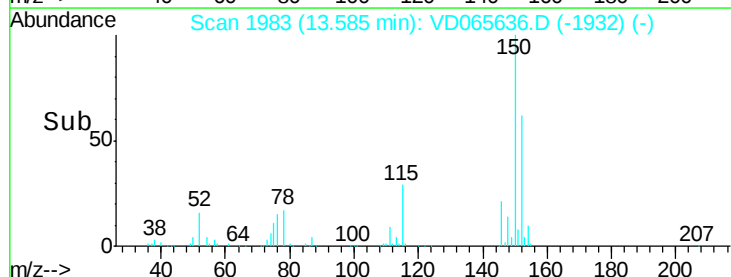
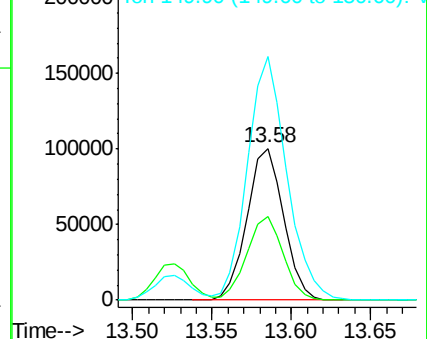
152 100

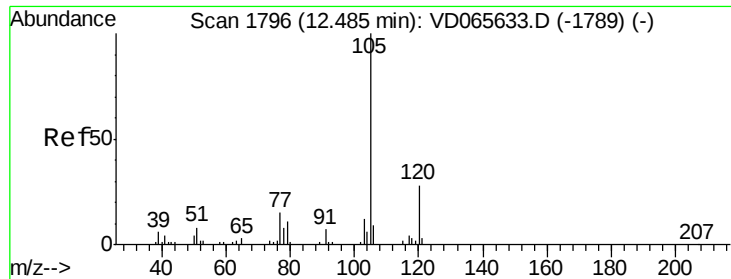
115 55.1 27.6 82.7

150 173.0 0.0 346.0



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





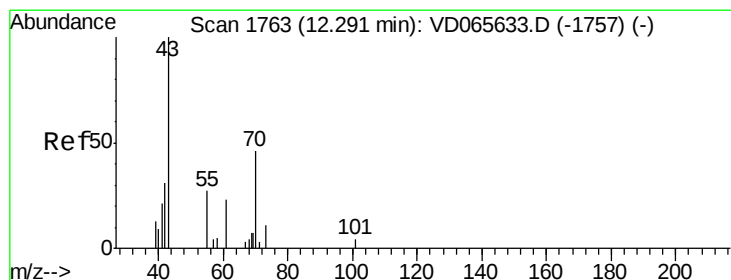
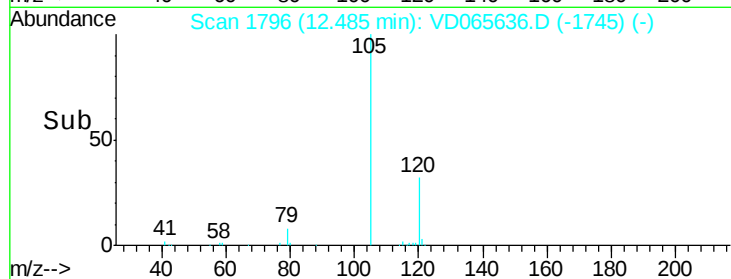
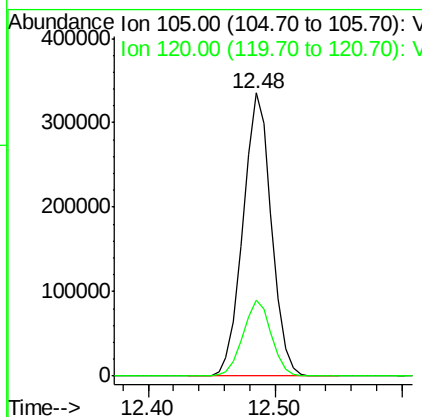
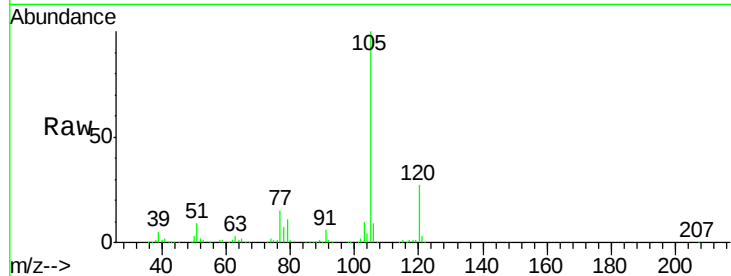
#73
Isopropylbenzene
Concen: 51.834 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD065636.D
Acq: 15 Apr 2020 15:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.8	13.4	40.2

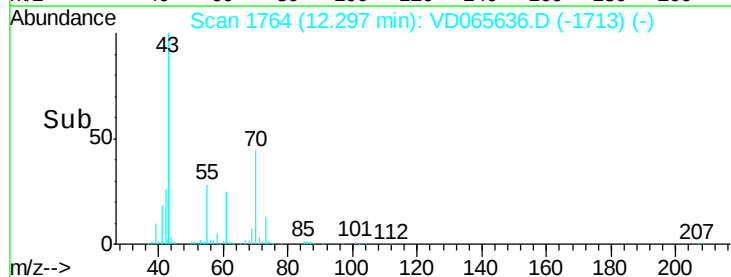
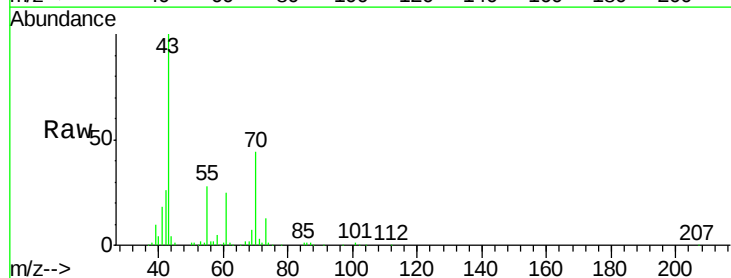
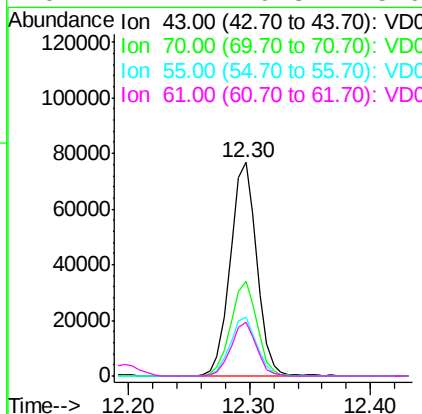
Manual Integrations
APPROVED

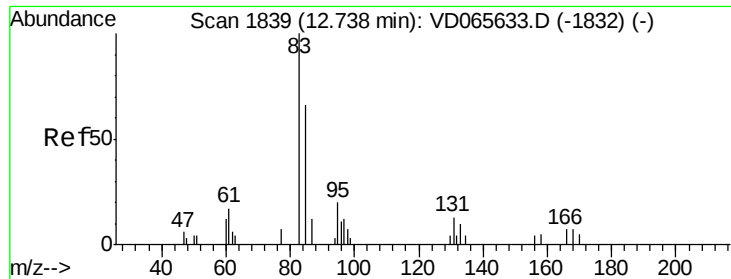
MMDadoda
4/16/2020 3:13:36 PM



#74
N-ethyl acetate
Concen: 57.189 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. 0.00 min
Lab File: VD065636.D
Acq: 15 Apr 2020 15:32

Tgt Ion	Ratio	Lower	Upper
43	100		
70	44.2	35.4	53.0
55	27.7	22.2	33.2
61	24.1	19.3	28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 49.967 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065636.D

Acq: 15 Apr 2020 15:32

Instrument :

MSVOA_D

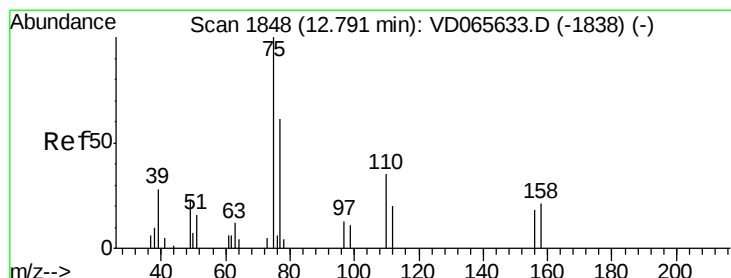
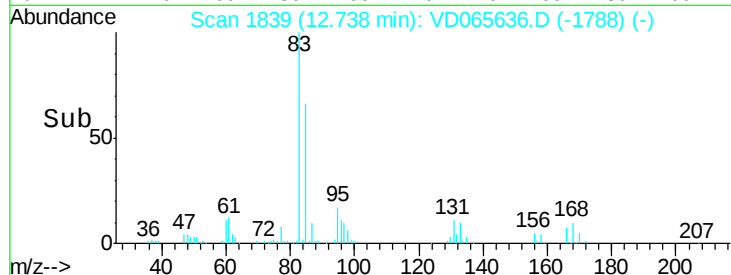
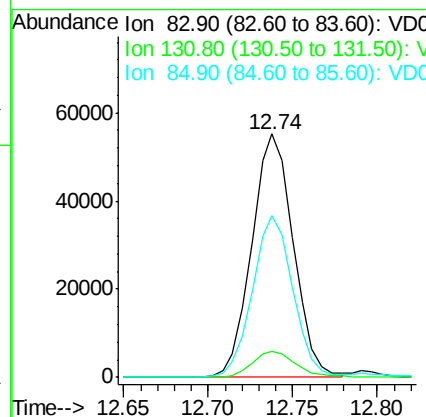
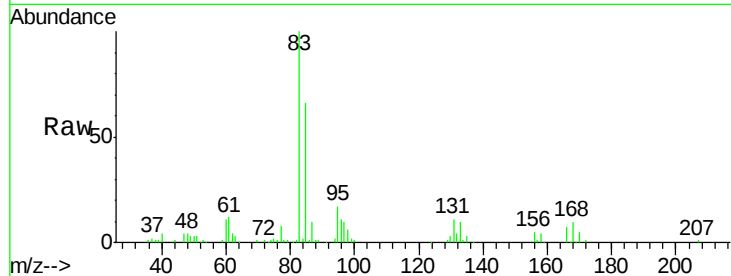
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	94257
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.7	17.0
85	64.9	32.5	97.4

Manual Integrations
APPROVED

MMDadoda
4/16/2020 3:13:36 PM



#76

1,2,3-Trichloropropane

Concen: 56.482 ug/l m

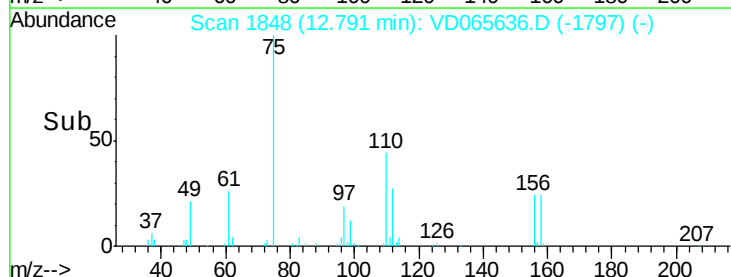
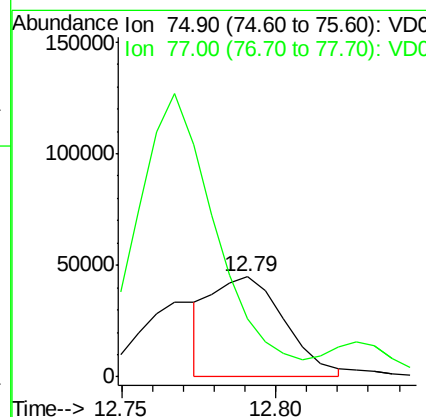
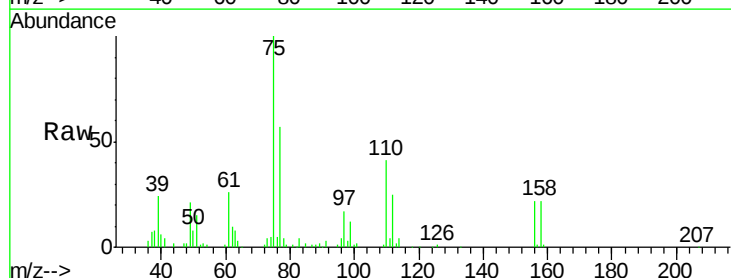
RT: 12.79 min Scan# 1848

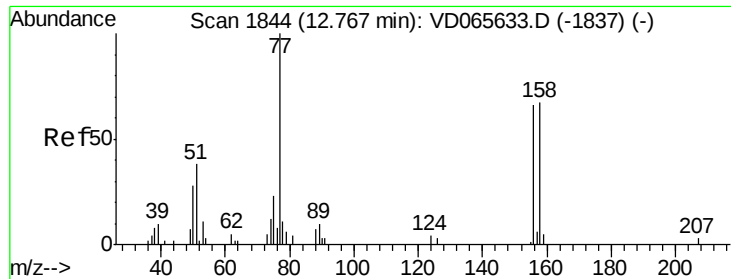
Delta R.T. 0.00 min

Lab File: VD065636.D

Acq: 15 Apr 2020 15:32

Tgt Ion:	75	Resp:	74886
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 49.135 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065636.D

Acq: 15 Apr 2020 15:32

Instrument :

MSVOA_D

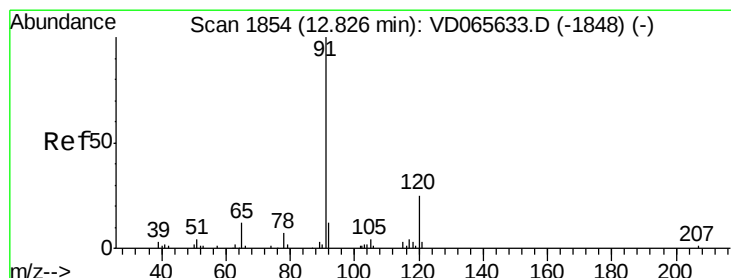
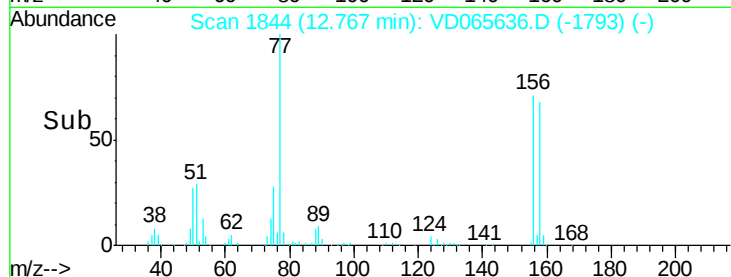
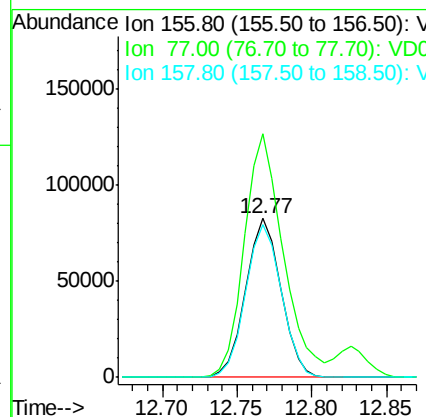
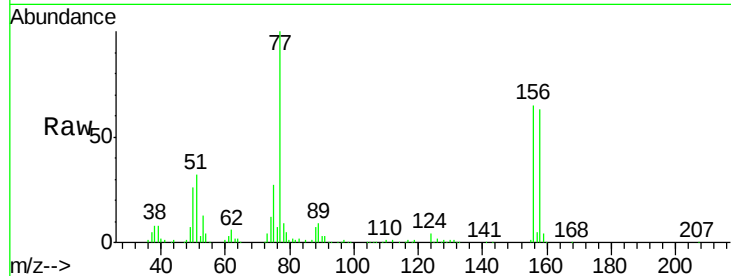
ClientSampleId :

VSTDICCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	169.4	84.7	254.1
158	97.0	48.5	145.5

Manual Integrations
APPROVED

MMDadoda
4/16/2020 3:13:36 PM



#78

n-propylbenzene

Concen: 51.764 ug/l

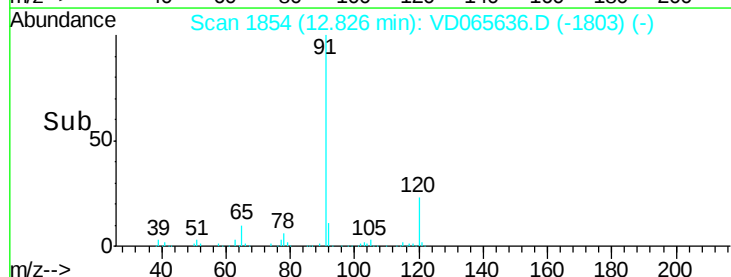
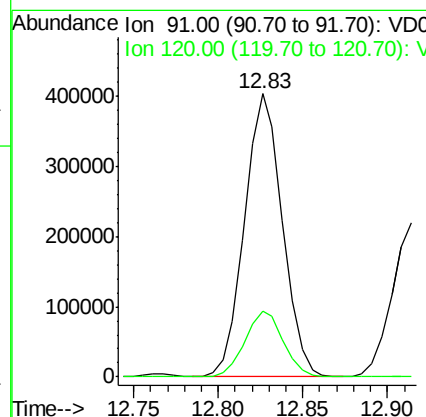
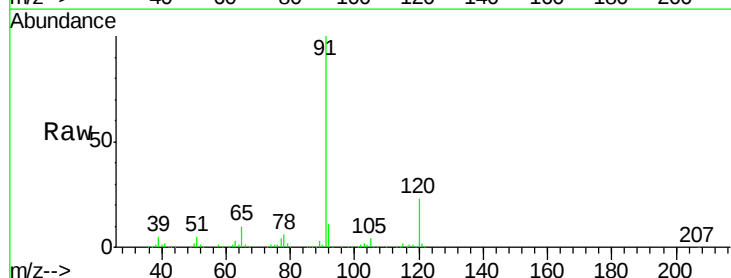
RT: 12.83 min Scan# 1854

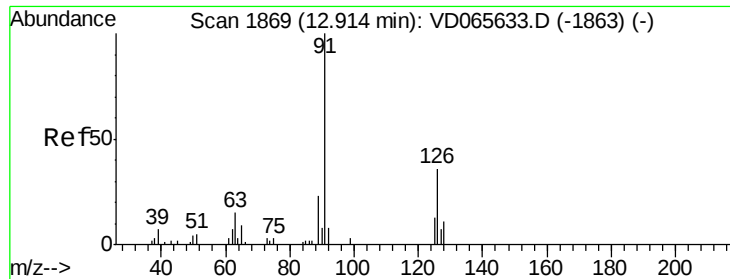
Delta R.T. 0.00 min

Lab File: VD065636.D

Acq: 15 Apr 2020 15:32

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.4	11.7	35.1





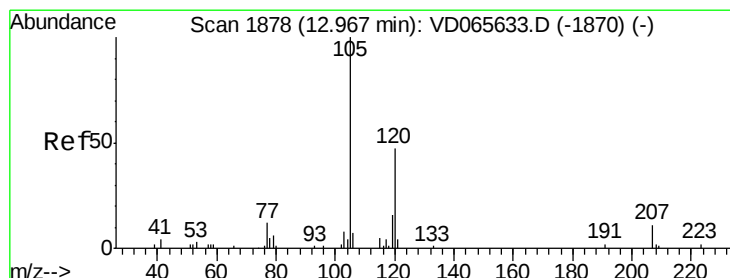
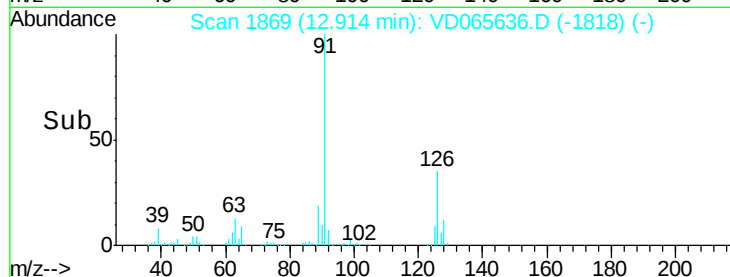
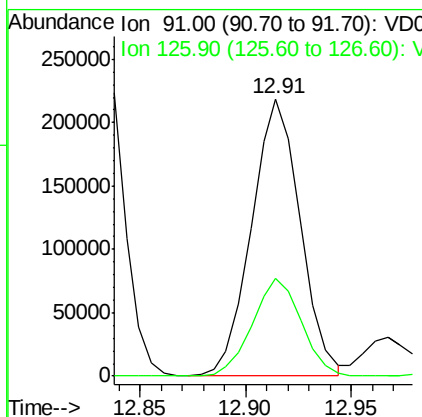
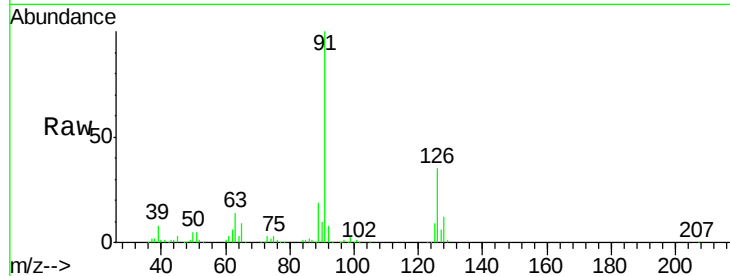
#79
2-Chlorotoluene
Concen: 50.380 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.00 min
Lab File: VD065636.D
Acq: 15 Apr 2020 15:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 350484
Ion Ratio Lower Upper
91 100
126 35.5 17.8 53.3

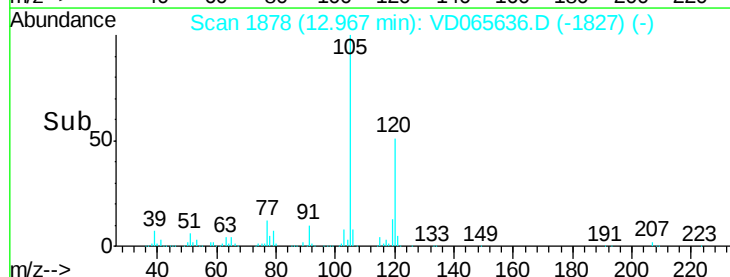
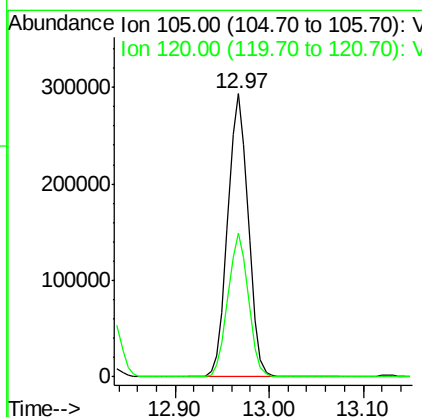
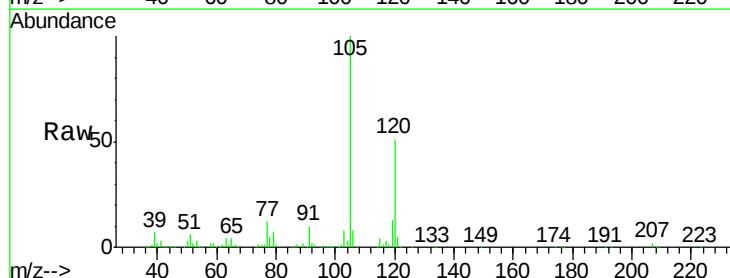
Manual Integrations
APPROVED

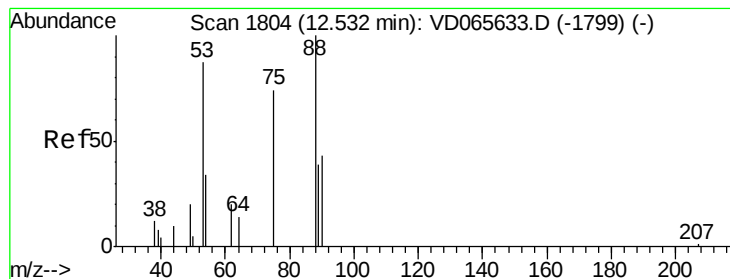
MMDadoda
4/16/2020 3:13:36 PM



#80
1,3,5-Trimethylbenzene
Concen: 52.487 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.00 min
Lab File: VD065636.D
Acq: 15 Apr 2020 15:32

Tgt Ion:105 Resp: 445864
Ion Ratio Lower Upper
105 100
120 50.4 25.2 75.6





#81

trans-1,4-Dichloro-2-butene

Concen: 58.294 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VD065636.D

Acq: 15 Apr 2020 15:32

Instrument :

MSVOA_D

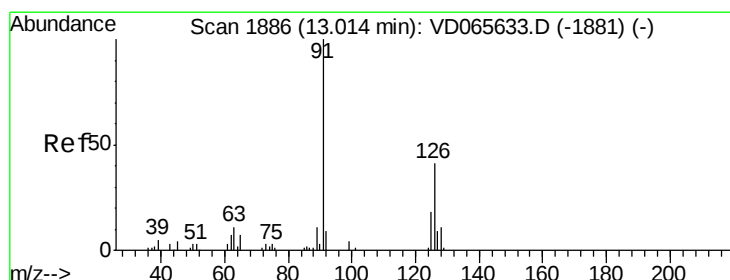
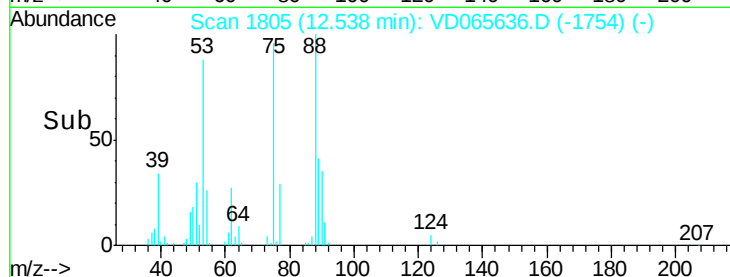
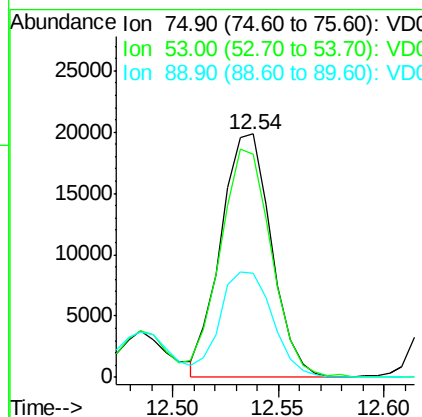
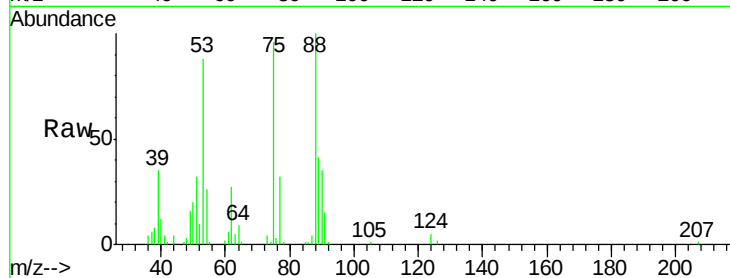
ClientSampleId :

VSTDICCC050

Tot Ion:	75	Resp:	32975
Ion	Ratio	Lower	Upper
75	100		
53	96.0	76.8	115.2
89	45.1	36.1	54.1

Manual Integrations
APPROVED

MMDadoda
4/16/2020 3:13:36 PM



#82

4-Chlorotoluene

Concen: 50.126 ug/l

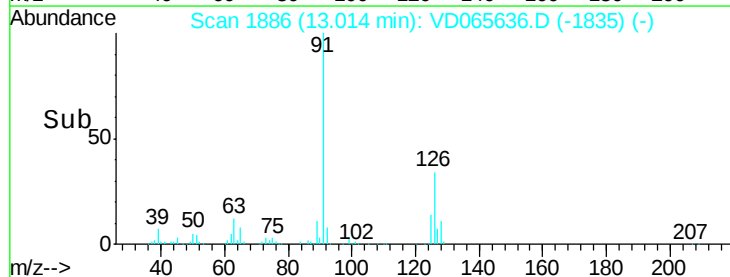
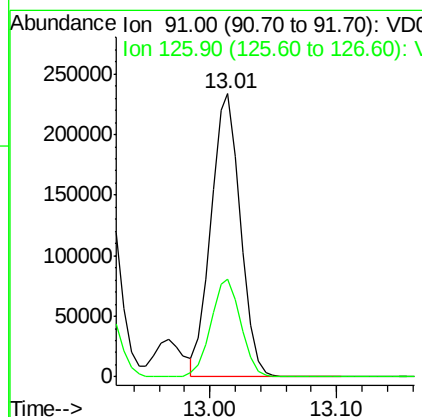
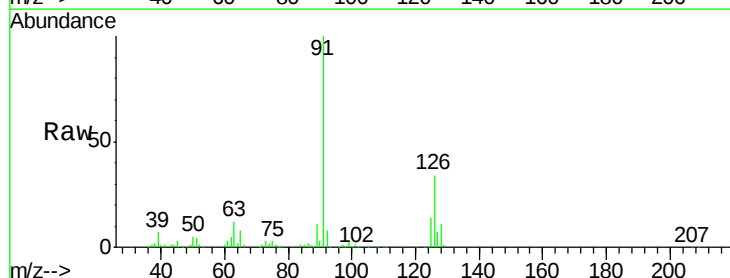
RT: 13.01 min Scan# 1886

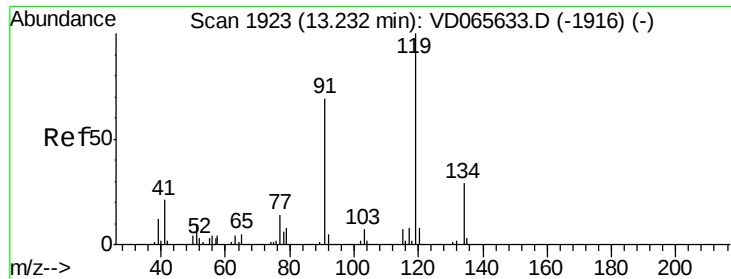
Delta R.T. 0.00 min

Lab File: VD065636.D

Acq: 15 Apr 2020 15:32

Tgt Ion:	91	Resp:	376666
Ion	Ratio	Lower	Upper
91	100		
126	35.1	17.5	52.6





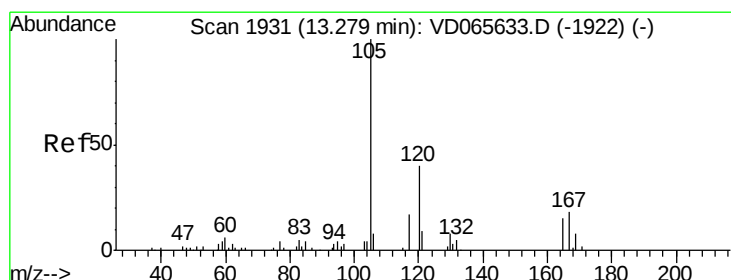
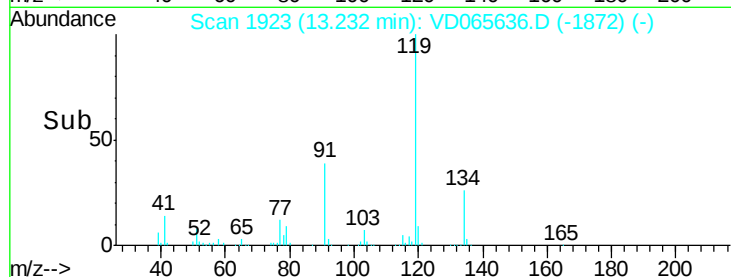
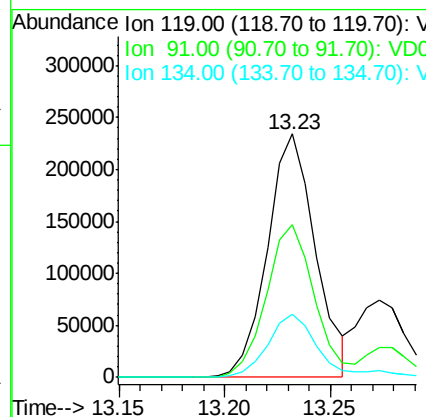
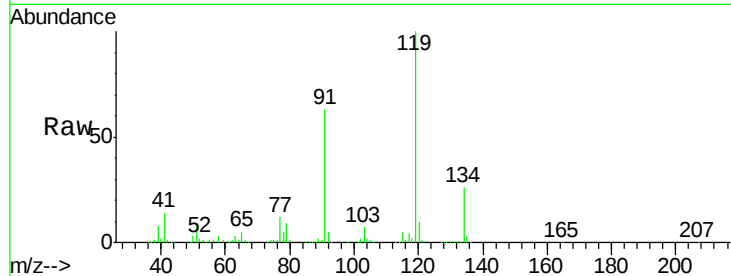
#83
 tert-Butylbenzene
 Concen: 52.592 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD065636.D
 Acq: 15 Apr 2020 15:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.4	31.7	95.1
134	27.9	14.0	41.9

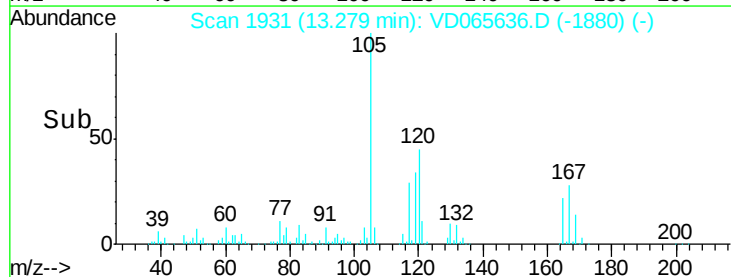
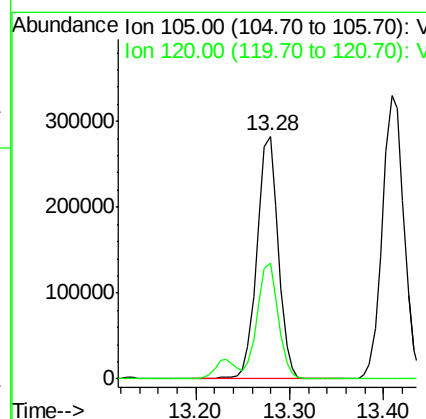
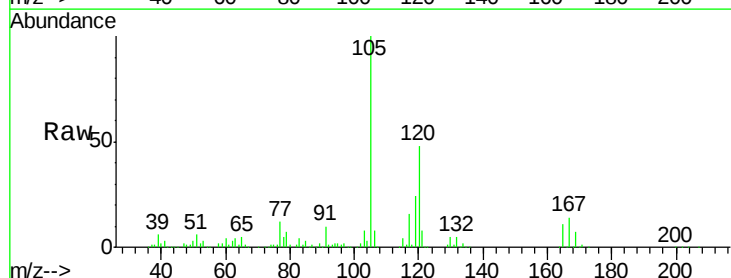
Manual Integrations
 APPROVED

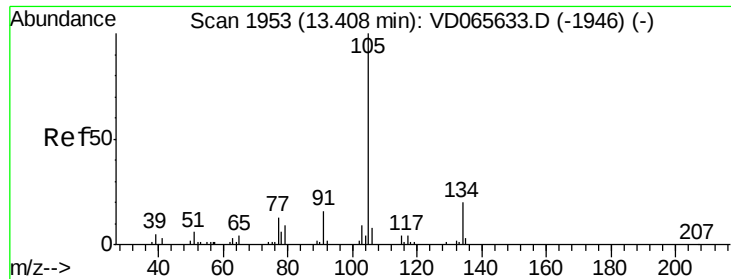
MMDadoda
 4/16/2020 3:13:36 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 52.700 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. 0.00 min
 Lab File: VD065636.D
 Acq: 15 Apr 2020 15:32

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.1	23.5	70.6





#85

sec-Butylbenzene

Concen: 51.971 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD065636.D

Acq: 15 Apr 2020 15:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 524617

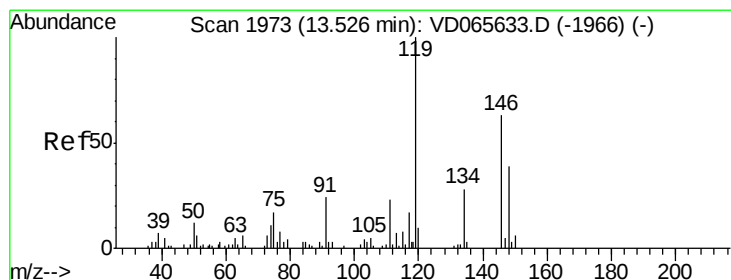
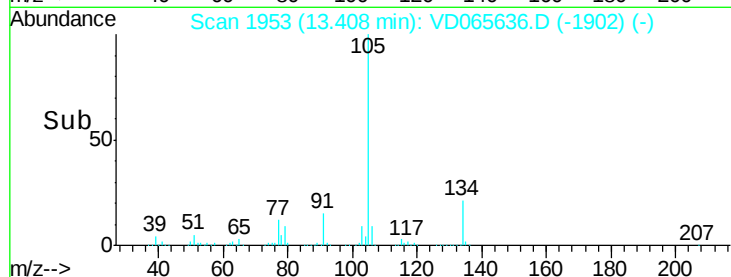
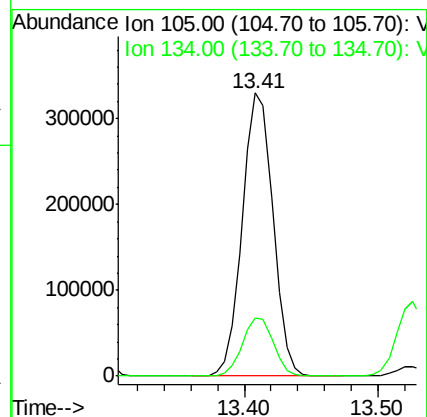
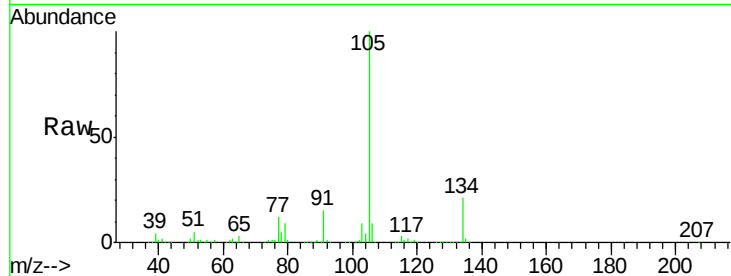
Ion Ratio Lower Upper

105 100

134 20.9 10.4 31.4

Manual Integrations
APPROVED

MMDadoda
4/16/2020 3:13:36 PM



#86

p-Isopropyltoluene

Concen: 53.055 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065636.D

Acq: 15 Apr 2020 15:32

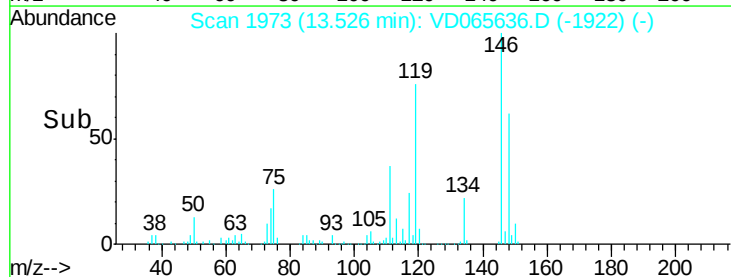
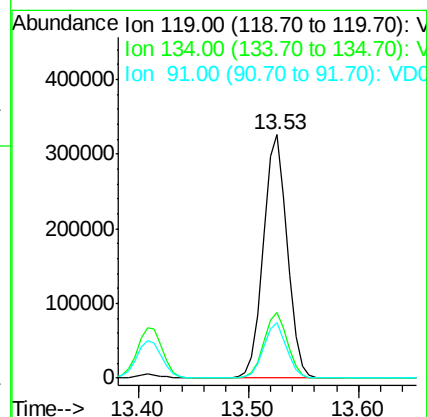
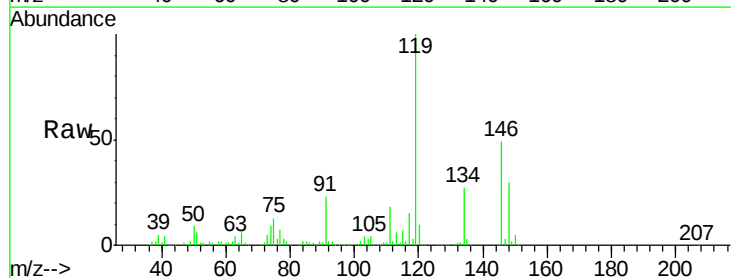
Tgt Ion:119 Resp: 493855

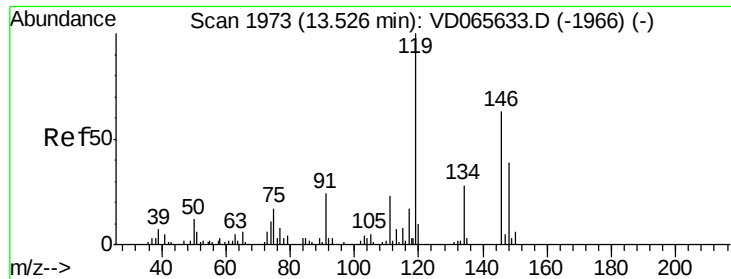
Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.1

91 22.2 11.1 33.3





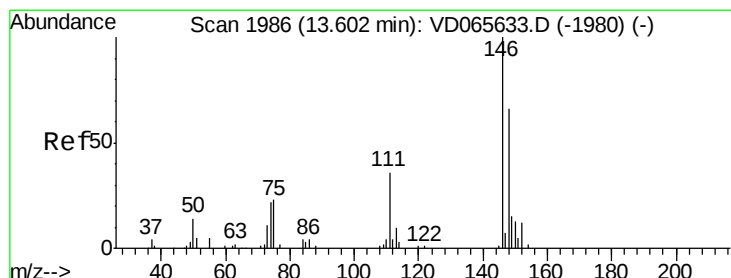
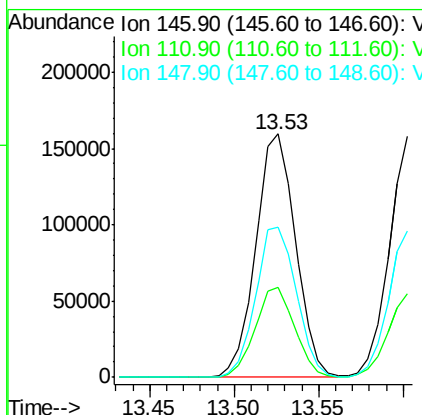
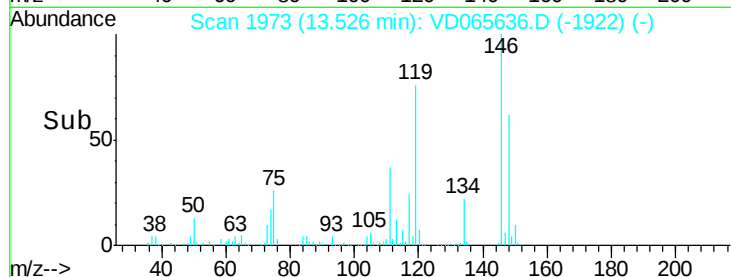
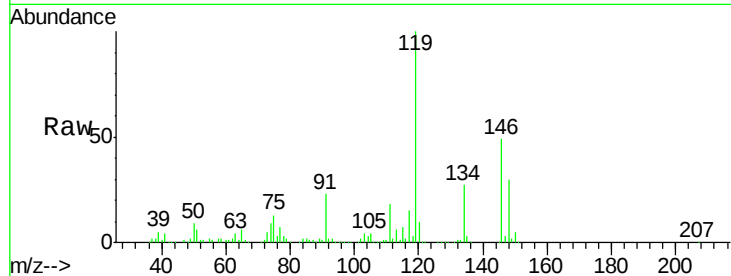
#87
 1,3-Dichlorobenzene
 Concen: 48.610 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065636.D
 Acq: 15 Apr 2020 15:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.6	55.6
148	63.2	31.6	94.8

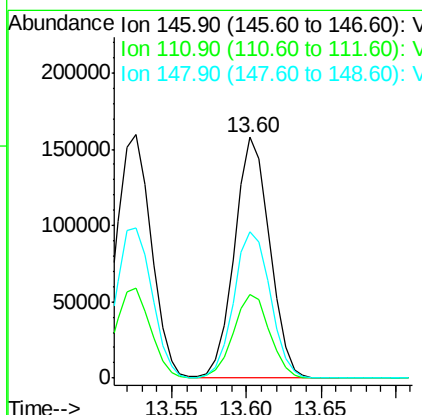
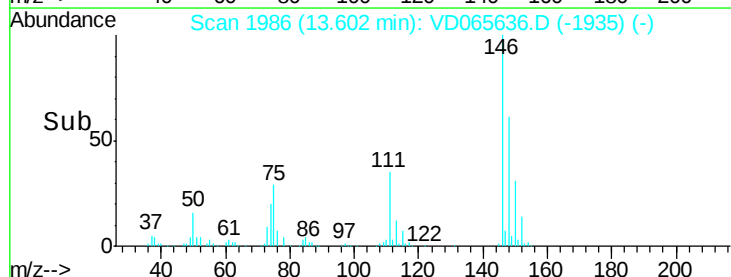
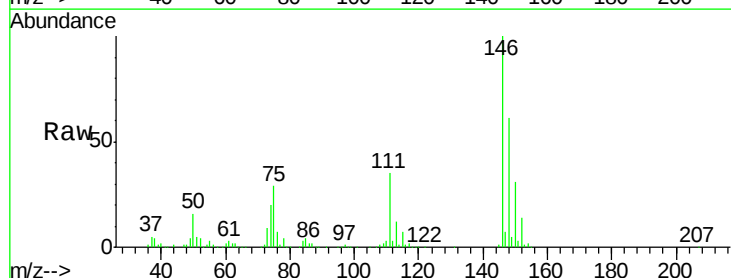
Manual Integrations
 APPROVED

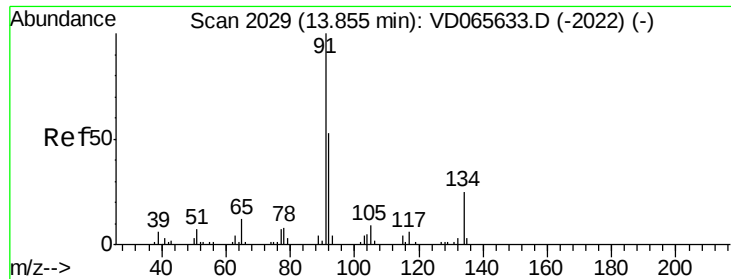
MMDadoda
 4/16/2020 3:13:36 PM



#88
 1,4-Dichlorobenzene
 Concen: 48.410 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD065636.D
 Acq: 15 Apr 2020 15:32

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.0	18.0	54.0
148	62.8	31.4	94.2





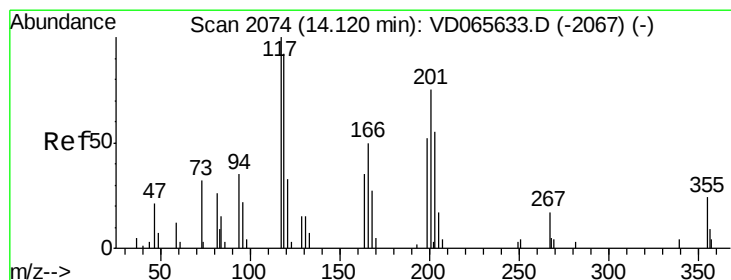
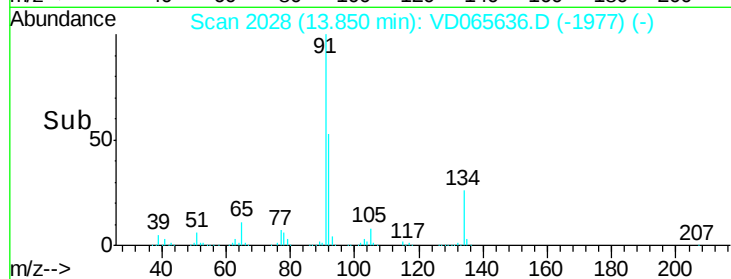
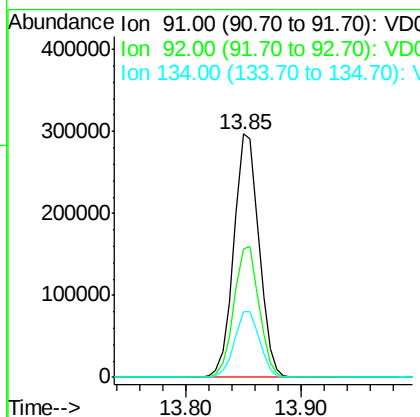
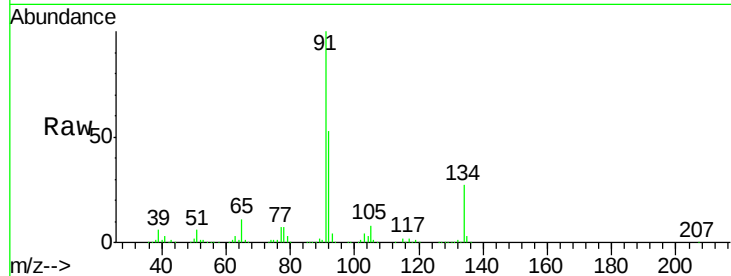
#89
n-Butylbenzene
Concen: 53.061 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD065636.D
Acq: 15 Apr 2020 15:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.7	26.9	80.6	
134	27.2	13.6	40.8	

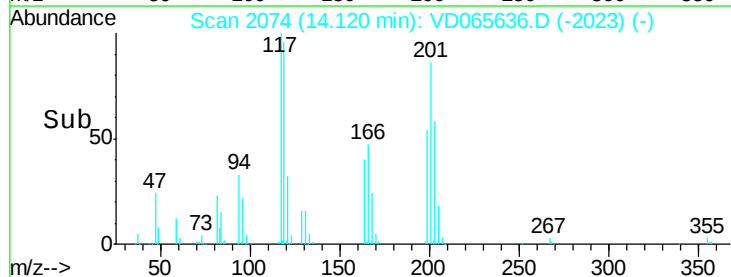
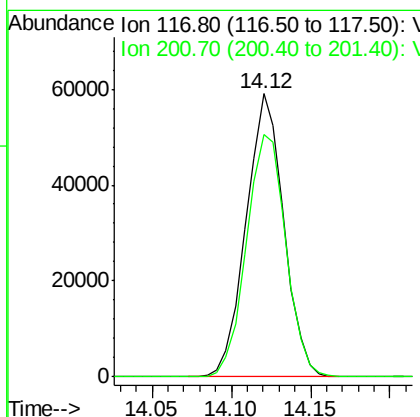
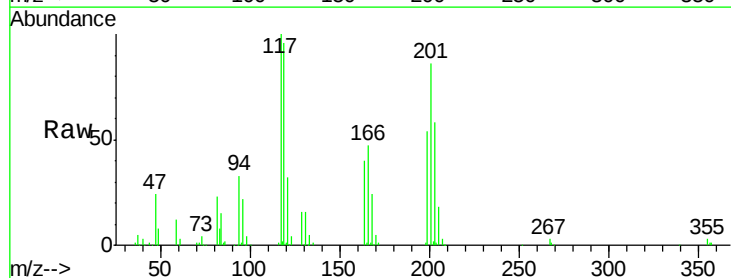
Manual Integrations
APPROVED

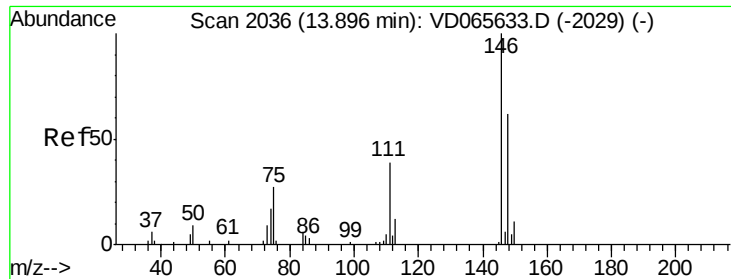
MMDadoda
4/16/2020 3:13:36 PM



#90
Hexachloroethane
Concen: 47.664 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065636.D
Acq: 15 Apr 2020 15:32

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	89.8	44.9	134.7	





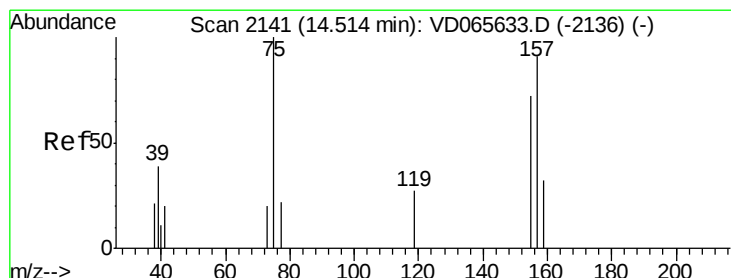
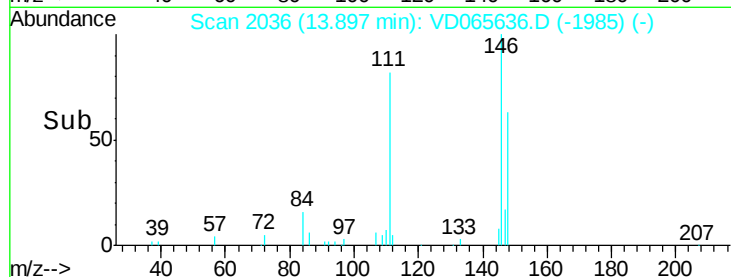
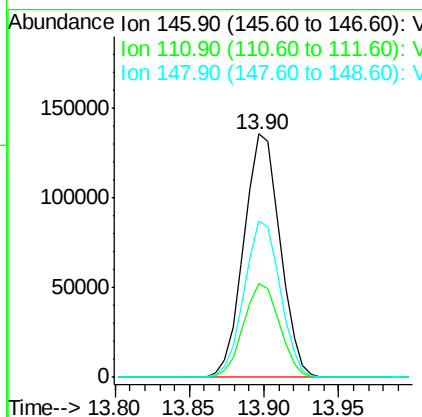
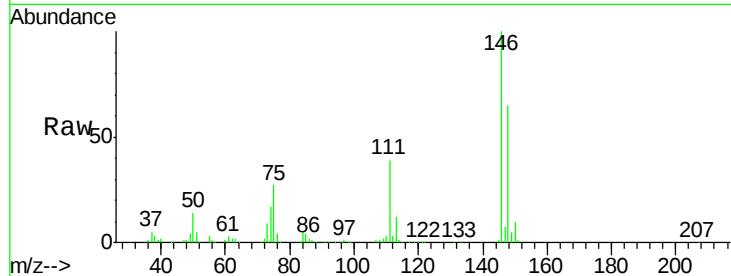
#91
 1,2-Dichlorobenzene
 Concen: 49.808 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD065636.D
 Acq: 15 Apr 2020 15:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.3	57.9
148	64.0	32.0	96.0

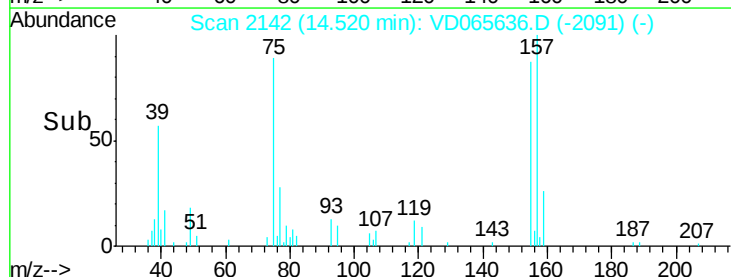
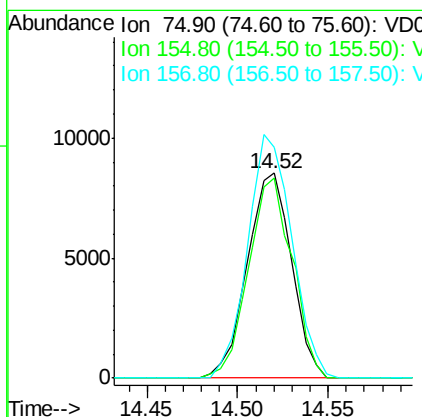
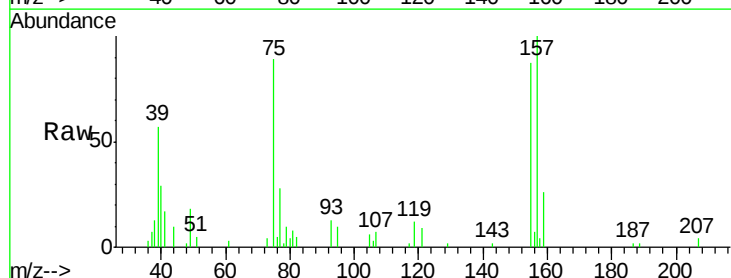
Manual Integrations
 APPROVED

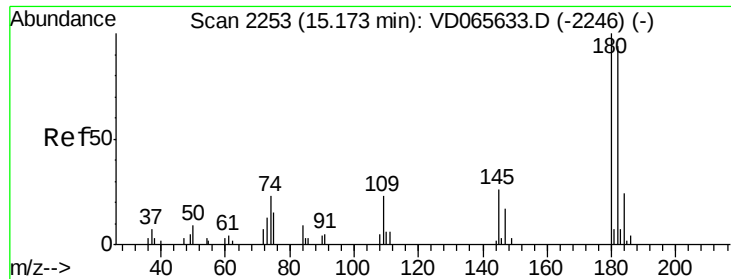
MMDadoda
 4/16/2020 3:13:36 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.535 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD065636.D
 Acq: 15 Apr 2020 15:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.1	48.0	144.2
157	118.4	59.2	177.6





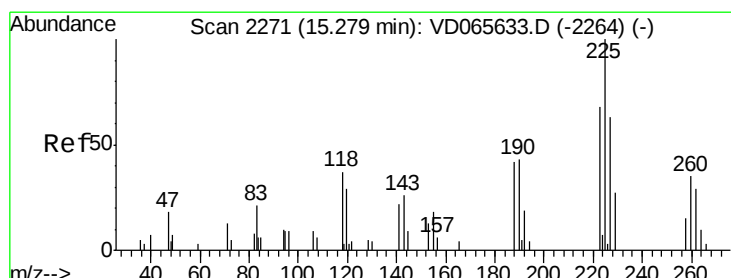
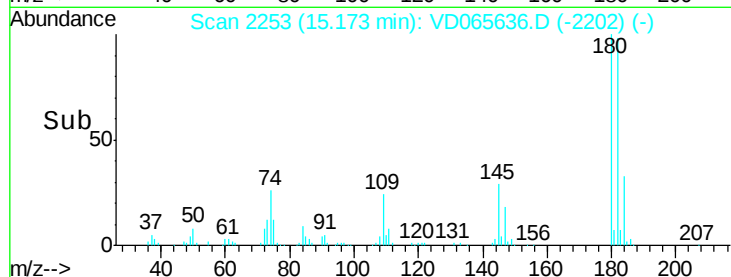
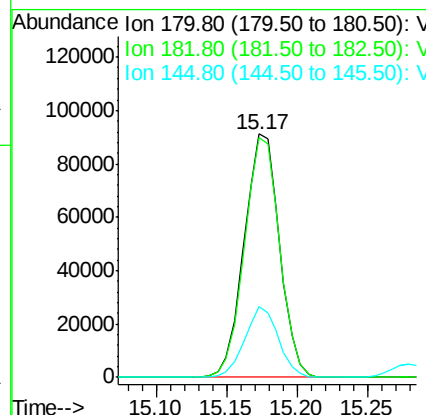
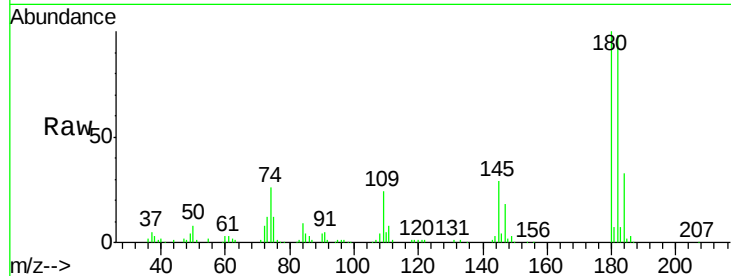
#93
 1,2,4-Trichlorobenzene
 Concen: 52.939 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD065636.D
 Acq: 15 Apr 2020 15:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	160025		
182	97.7	48.9	146.6	
145	27.5	13.8	41.3	

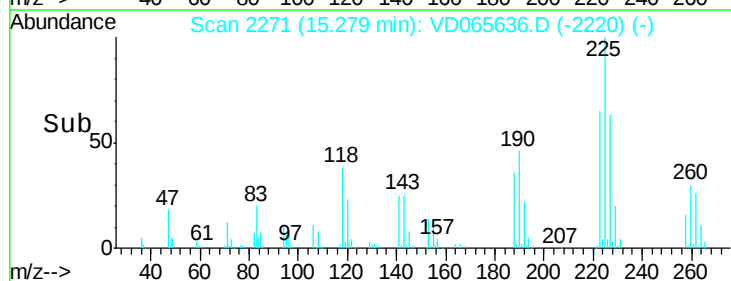
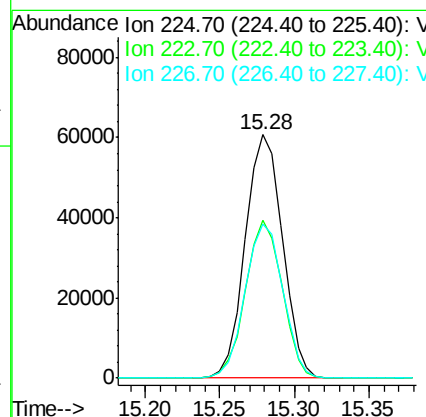
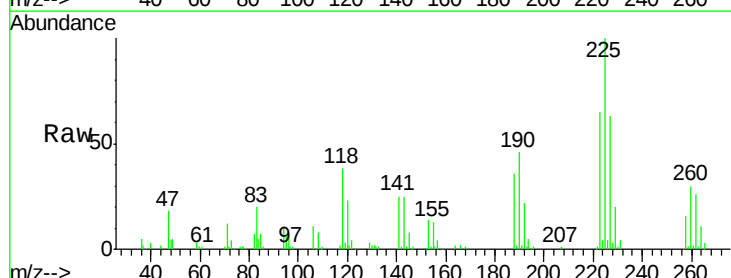
Manual Integrations
 APPROVED

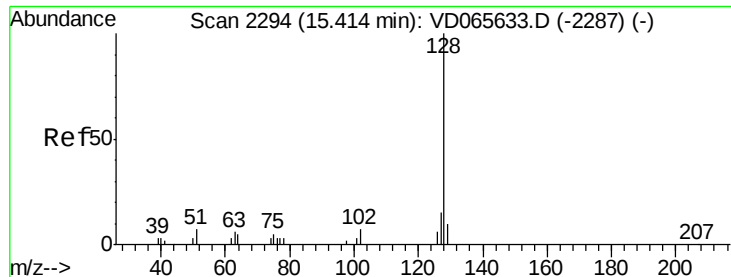
MMDadoda
 4/16/2020 3:13:36 PM



#94
 Hexachlorobutadiene
 Concen: 50.128 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065636.D
 Acq: 15 Apr 2020 15:32

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	105055		
223	63.7	31.9	95.5	
227	64.1	32.0	96.2	





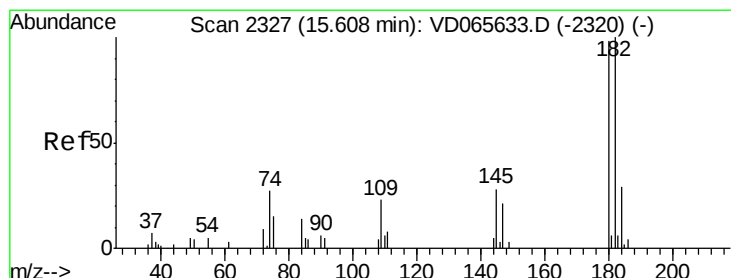
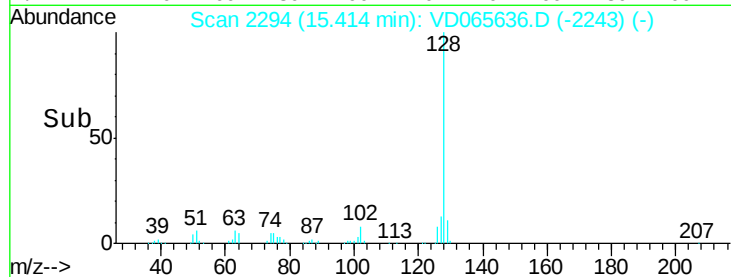
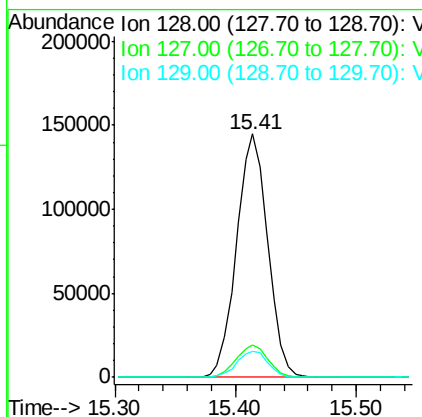
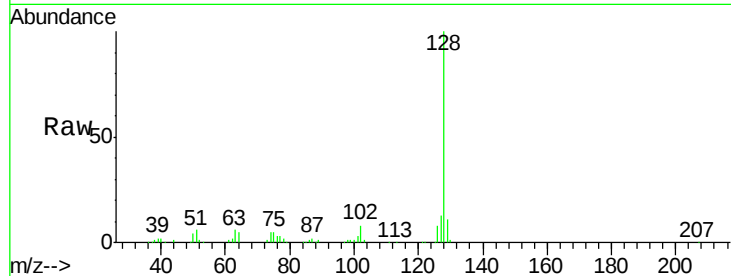
#95
Naphthalene
Concen: 58.636 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065636.D
Acq: 15 Apr 2020 15:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	260558		
127	13.3		10.6	16.0
129	11.0		8.8	13.2

Manual Integrations
APPROVED

MMDadoda
4/16/2020 3:13:36 PM



#96
1,2,3-Trichlorobenzene
Concen: 55.308 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD065636.D
Acq: 15 Apr 2020 15:32

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	146423		
182	95.5		47.8	143.3
145	30.0		15.0	45.0

