

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090420\
 Data File : VD066554.D
 Acq On : 04 Sep 2020 11:01
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

sam
 9/8/2020 5:42:31 PM

Quant Time: Sep 05 03:52:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 04 01:57:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	375579	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	600696	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	550396	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	250331	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	243324	53.55	ug/l	0.00
Spiked Amount			Recovery	=	107.10%	
35) Dibromofluoromethane	7.91	113	226637	55.93	ug/l	0.00
Spiked Amount			Recovery	=	111.86%	
50) Toluene-d8	10.34	98	848593	58.59	ug/l	0.00
Spiked Amount			Recovery	=	117.18%	
62) 4-Bromofluorobenzene	12.63	95	276292	57.53	ug/l	0.00
Spiked Amount			Recovery	=	115.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	152332	49.041	ug/l	95
3) Chloromethane	2.21	50	208712	43.942	ug/l	96
4) Vinyl Chloride	2.35	62	238669	45.305	ug/l	99
5) Bromomethane	2.77	94	167397	50.289	ug/l	91
6) Chloroethane	2.92	64	152702	45.636	ug/l	99
7) Trichlorofluoromethane	3.27	101	365628	46.982	ug/l	94
8) Diethyl Ether	3.70	74	91089	46.481	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.10	101	196254	46.596	ug/l	98
10) Methyl Iodide	4.30	142	186358	48.628	ug/l	100
11) Tert butyl alcohol	5.21	59	65474	225.997	ug/l	100
12) 1,1-Dichloroethene	4.07	96	177065	46.793	ug/l	98
13) Acrolein	3.93	56	46765	251.691	ug/l	94
14) Allyl chloride	4.71	41	294118	47.427	ug/l	99
15) Acrylonitrile	5.43	53	200943	238.696	ug/l	99
16) Acetone	4.15	43	239433	286.365	ug/l	94
17) Carbon Disulfide	4.41	76	582907	46.859	ug/l	100
18) Methyl Acetate	4.72	43	90075	45.193	ug/l	98
19) Methyl tert-butyl Ether	5.47	73	425297	47.928	ug/l	97
20) Methylene Chloride	4.97	84	216386	47.105	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	211989	47.177	ug/l	97
22) Diisopropyl ether	6.36	45	626285	49.109	ug/l	96
23) Vinyl Acetate	6.30	43	1825380	251.524	ug/l	97
24) 1,1-Dichloroethane	6.26	63	379056	47.266	ug/l	98
25) 2-Butanone	7.21	43	275212	245.203	ug/l	98
26) 2,2-Dichloropropane	7.21	77	349028	47.446	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	231042	47.813	ug/l	99
28) Bromochloromethane	7.54	49	158039	51.186	ug/l	100
29) Tetrahydrofuran	7.56	42	163736	234.239	ug/l	99
30) Chloroform	7.71	83	395161	46.575	ug/l	99
31) Cyclohexane	7.98	56	341109	46.013	ug/l	92
32) 1,1,1-Trichloroethane	7.90	97	375191	47.035	ug/l	99
36) 1,1-Dichloropropene	8.11	75	310577	49.681	ug/l	99
37) Ethyl Acetate	7.28	43	119080	47.837	ug/l #	95
38) Carbon Tetrachloride	8.09	117	331960	50.238	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090420\
 Data File : VD066554.D
 Acq On : 04 Sep 2020 11:01
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050

Manual Integrations
 APPROVED

sam
 9/8/2020 5:42:31 PM

Quant Time: Sep 05 03:52:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 04 01:57:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	360276	51.611	ug/l	98
40) Benzene	8.34	78	826966	48.300	ug/l	98
41) Methacrylonitrile	7.51	41	55453m	46.020	ug/l	
42) 1,2-Dichloroethane	8.42	62	260723	46.999	ug/l	99
43) Isopropyl Acetate	8.44	43	233643	48.977	ug/l	99
44) Trichloroethene	9.11	130	221354	49.288	ug/l	90
45) 1,2-Dichloropropane	9.38	63	205200	47.658	ug/l	97
46) Dibromomethane	9.47	93	115367	48.566	ug/l	97
47) Bromodichloromethane	9.66	83	307597	47.861	ug/l	98
48) Methyl methacrylate	9.45	41	113467	47.039	ug/l	95
49) 1,4-Dioxane	9.46	88	24996	959.135	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	605182	251.544	ug/l	98
52) Toluene	10.40	92	545303	50.315	ug/l	97
53) t-1,3-Dichloropropene	10.62	75	285577	50.335	ug/l	96
54) cis-1,3-Dichloropropene	10.08	75	333995	49.021	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	148105	48.491	ug/l	97
56) Ethyl methacrylate	10.66	69	182256	51.250	ug/l	99
57) 1,3-Dichloropropane	10.94	76	256787	47.999	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	407978	250.816	ug/l	97
59) 2-Hexanone	10.98	43	423175	261.558	ug/l	100
60) Dibromochloromethane	11.14	129	194712	48.210	ug/l	98
61) 1,2-Dibromoethane	11.24	107	139724	47.022	ug/l	99
64) Tetrachloroethene	10.87	164	177475	47.891	ug/l	91
65) Chlorobenzene	11.67	112	542786	47.781	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	204838	47.247	ug/l	99
67) Ethyl Benzene	11.74	91	1028042	49.286	ug/l	100
68) m/p-Xylenes	11.85	106	779644	100.665	ug/l	99
69) o-Xylene	12.18	106	344864	49.686	ug/l	97
70) Styrene	12.20	104	604990	50.136	ug/l	97
71) Bromoform	12.36	173	100229	45.873	ug/l #	94
73) Isopropylbenzene	12.48	105	979368	52.841	ug/l	99
74) N-amyl acetate	12.29	43	209496	49.906	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	157618	48.137	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	111065m	46.133	ug/l	
77) Bromobenzene	12.76	156	211552	51.197	ug/l	98
78) n-propylbenzene	12.82	91	1192120	53.058	ug/l	100
79) 2-Chlorotoluene	12.91	91	650999	51.648	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	813659	52.159	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	51216	49.666	ug/l	97
82) 4-Chlorotoluene	13.01	91	689080	51.123	ug/l	100
83) tert-Butylbenzene	13.23	119	672967	52.828	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	822672	52.969	ug/l	98
85) sec-Butylbenzene	13.40	105	986566	53.754	ug/l	99
86) p-Isopropyltoluene	13.52	119	876295	53.047	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	406572	49.562	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	404339	49.109	ug/l	99
89) n-Butylbenzene	13.85	91	860231	53.438	ug/l	100
90) Hexachloroethane	14.11	117	174662	49.071	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	345314	48.160	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	26316	47.312	ug/l	99

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD090420\
Data File : VD066554.D
Acq On : 04 Sep 2020 11:01
Operator : VA/SY
Sample : VSTDCCC050
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

sam
9/8/2020 5:42:31 PM

Quant Time: Sep 05 03:52:19 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 04 01:57:04 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	224580	52.189	ug/l	98
94) Hexachlorobutadiene	15.27	225	128940	49.876	ug/l	97
95) Naphthalene	15.41	128	401223	53.357	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	191926	52.314	ug/l	99

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

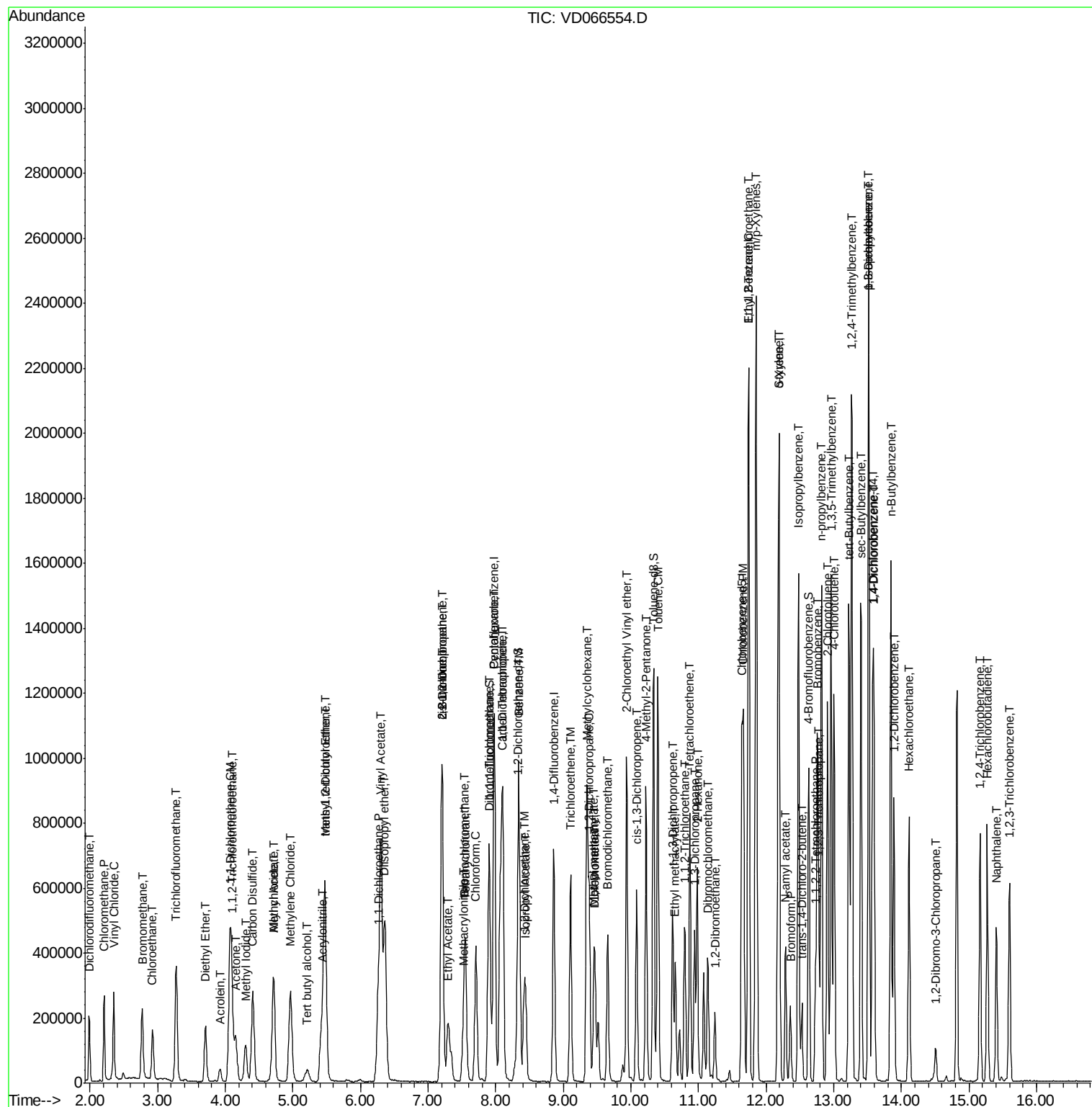
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD090420\
Data File : VD066554.D
Acq On : 04 Sep 2020 11:01
Operator : VA/SY
Sample : VSTDCCC050
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 2 Sample Multiplier: 1

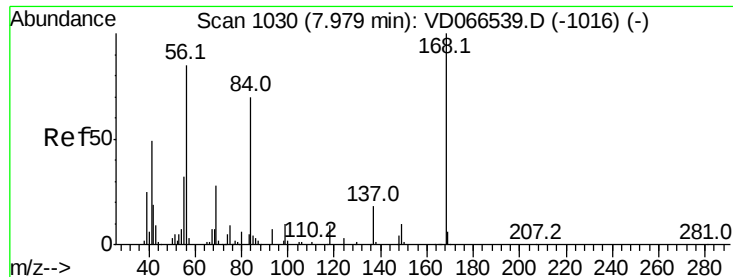
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

sam
9/8/2020 5:42:31 PM

Quant Time: Sep 05 03:52:19 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 04 01:57:04 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066554.D

Acq: 04 Sep 2020 11:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 375579

Ion Ratio Lower Upper

168 100

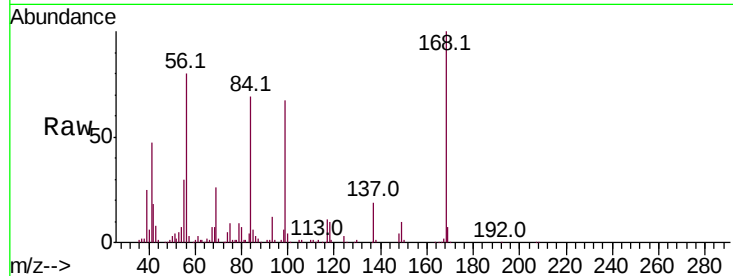
99 66.5 50.5 75.7

Manual Integrations

APPROVED

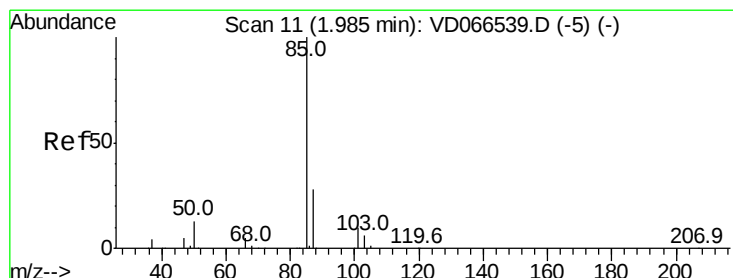
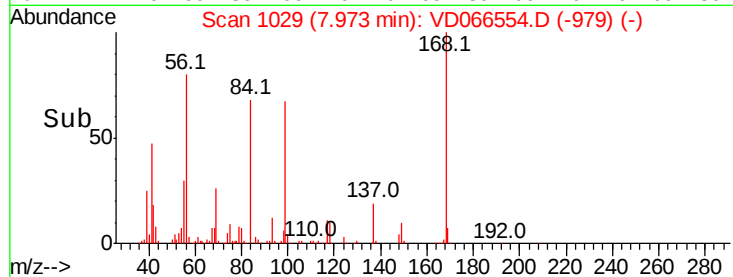
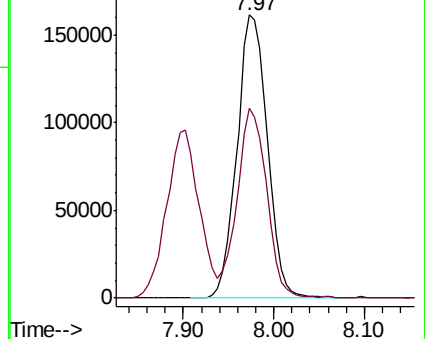
sam

9/8/2020 5:42:31 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 49.041 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066554.D

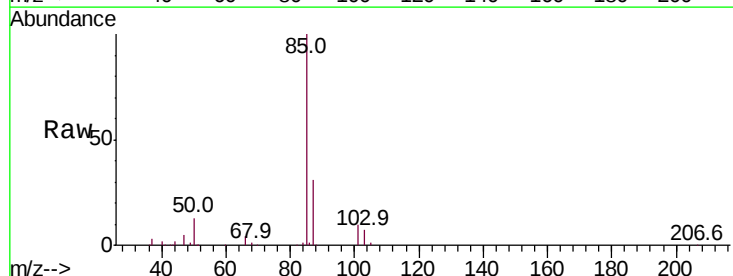
Acq: 04 Sep 2020 11:01

Tgt Ion: 85 Resp: 152332

Ion Ratio Lower Upper

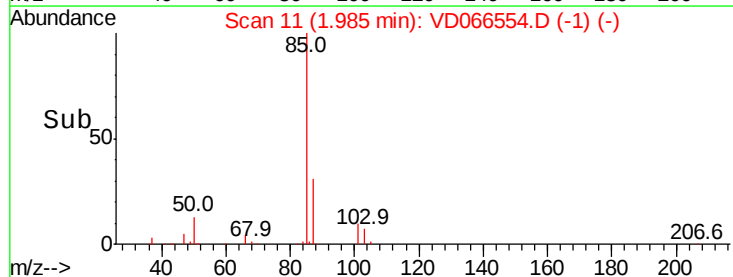
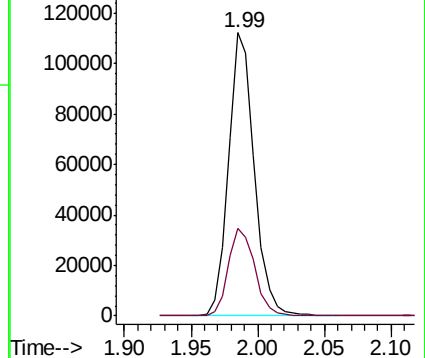
85 100

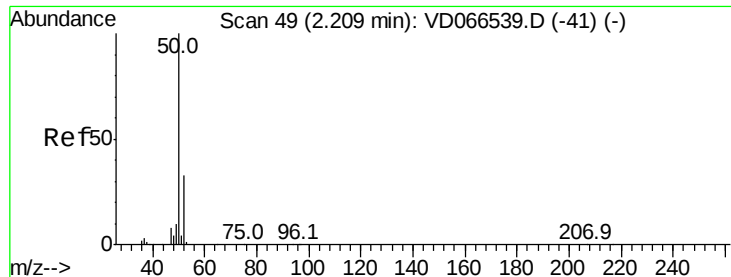
87 31.1 14.2 42.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 43.942 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD066554.D

Acq: 04 Sep 2020 11:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 208712

Ion Ratio Lower Upper

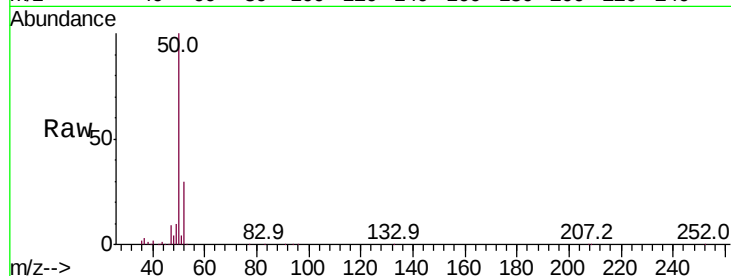
50 100

52 30.3 26.2 39.2

Manual Integrations
APPROVED

sam

9/8/2020 5:42:31 PM



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

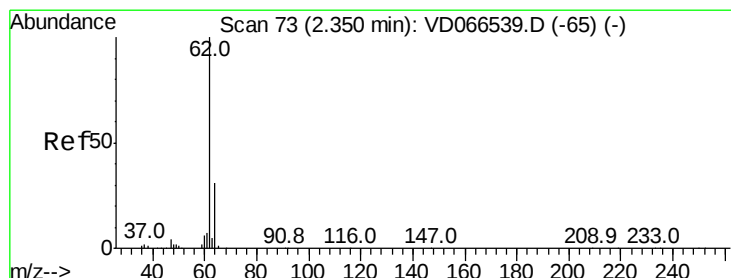
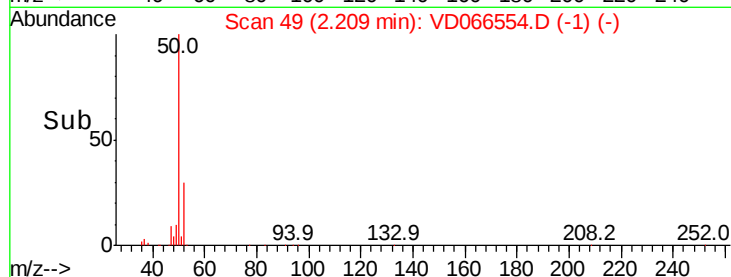
150000

100000

50000

0

Time--> 2.10 2.20 2.30



#4

Vinyl Chloride

Concen: 45.305 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD066554.D

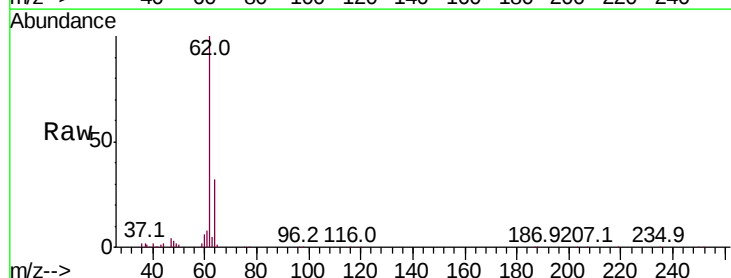
Acq: 04 Sep 2020 11:01

Tgt Ion: 62 Resp: 238669

Ion Ratio Lower Upper

62 100

64 32.2 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

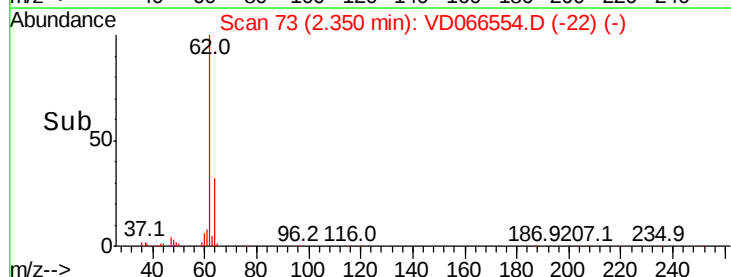
150000

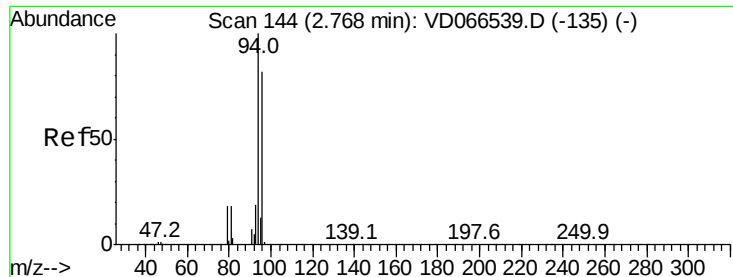
100000

50000

0

Time--> 2.25 2.30 2.35 2.40 2.45





#5

Bromomethane

Concen: 50.289 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD066554.D

Acq: 04 Sep 2020 11:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 167397

Ion Ratio Lower Upper

94 100

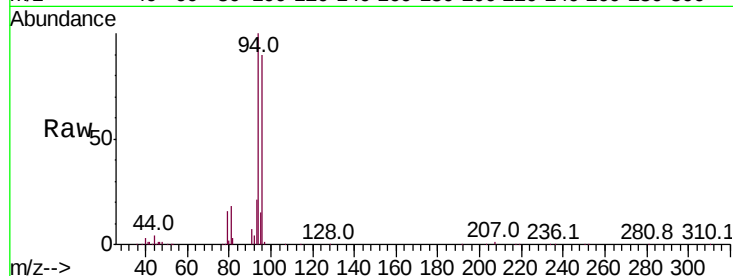
96 89.6 65.2 97.8

Manual Integrations

APPROVED

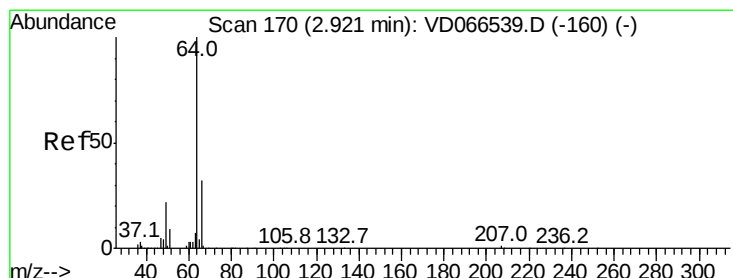
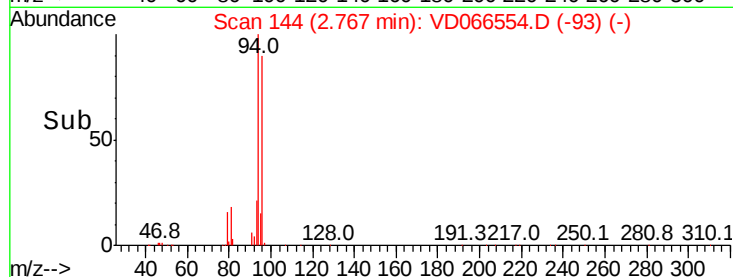
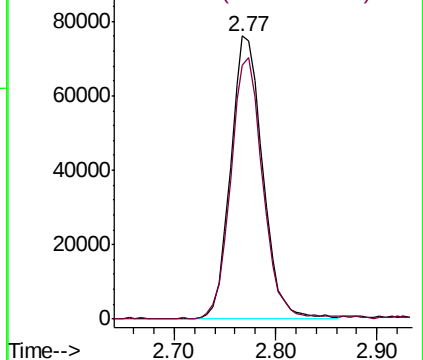
sam

9/8/2020 5:42:31 PM



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 45.636 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD066554.D

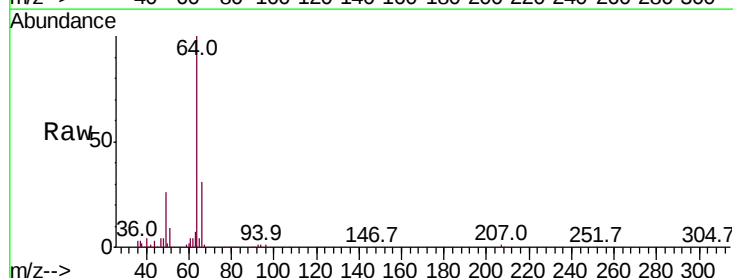
Acq: 04 Sep 2020 11:01

Tgt Ion: 64 Resp: 152702

Ion Ratio Lower Upper

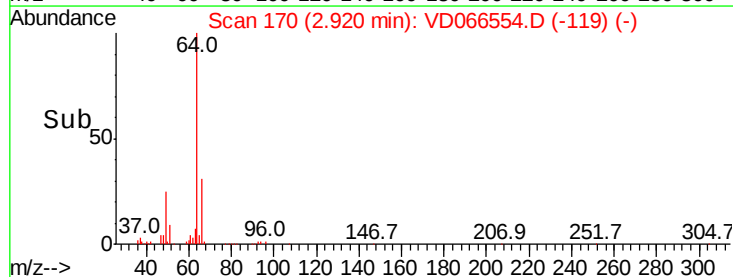
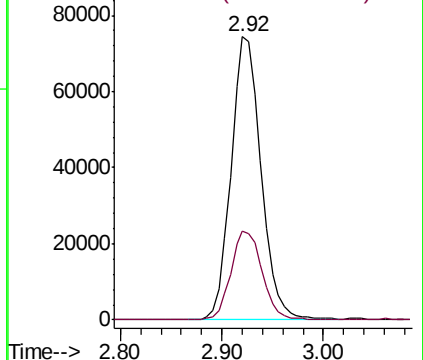
64 100

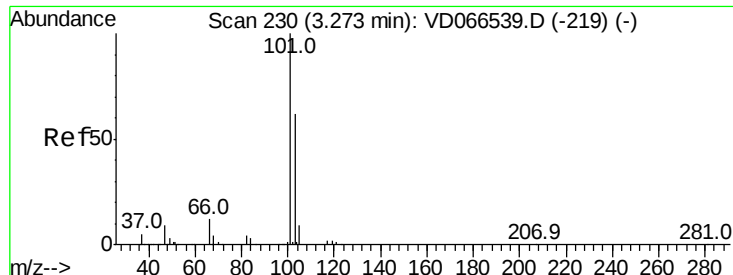
66 31.2 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

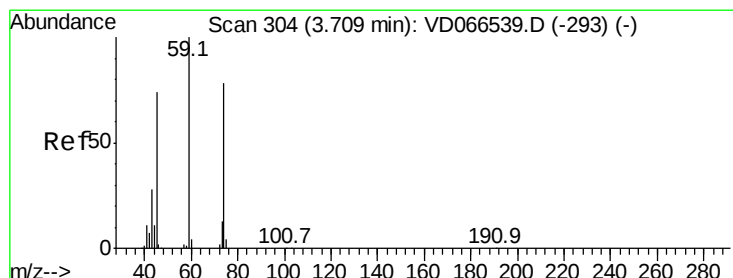
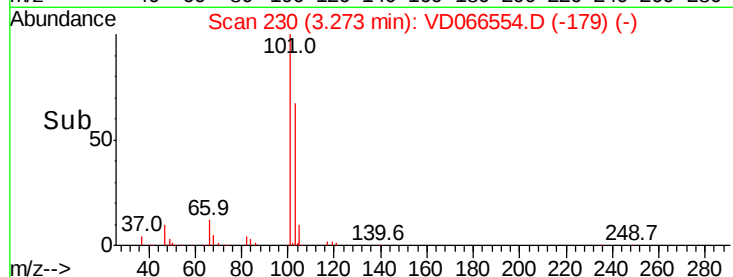
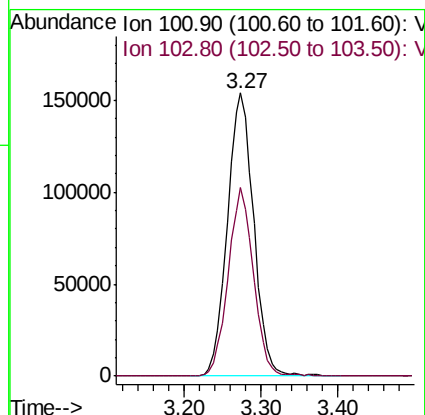
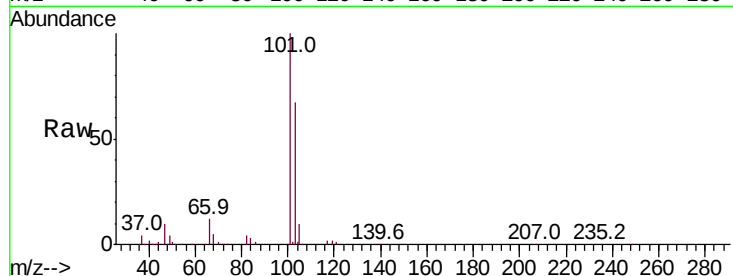
Trichlorofluoromethane
 Concen: 46.982 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD066554.D
 Acq: 04 Sep 2020 11:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	365628		
103	66.9	49.7	74.5	

Manual Integrations
 APPROVED

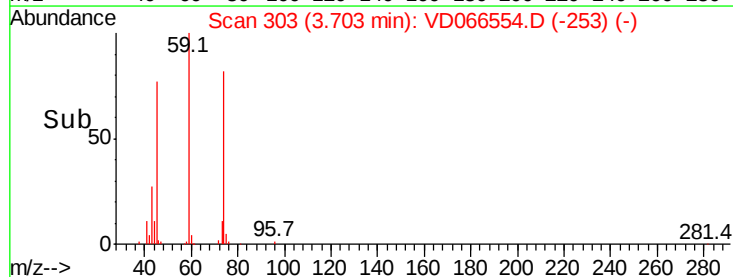
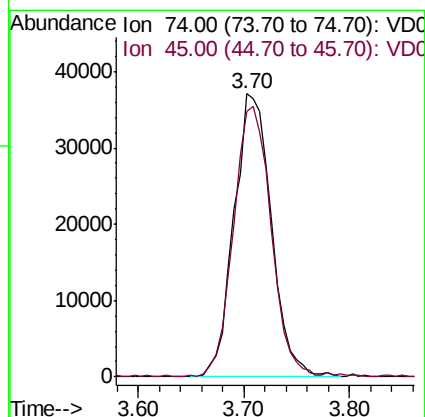
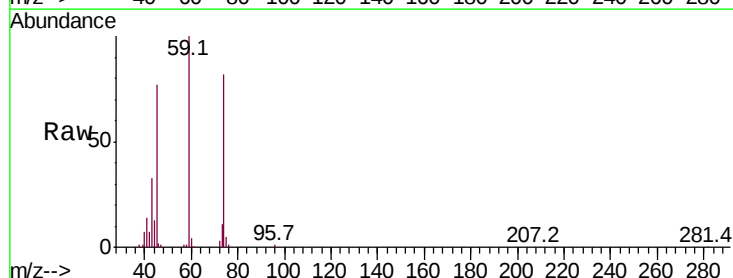
sam
 9/8/2020 5:42:31 PM

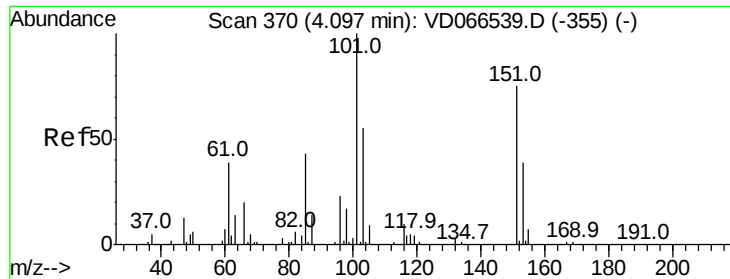


#8

Diethyl Ether
 Concen: 46.481 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD066554.D
 Acq: 04 Sep 2020 11:01

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	91089		
45	95.8	49.7	149.1	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.596 ug/l

RT: 4.10 min Scan# 371

Delta R.T. 0.01 min

Lab File: VD066554.D

Acq: 04 Sep 2020 11:01

Instrument :

MSVOA_D

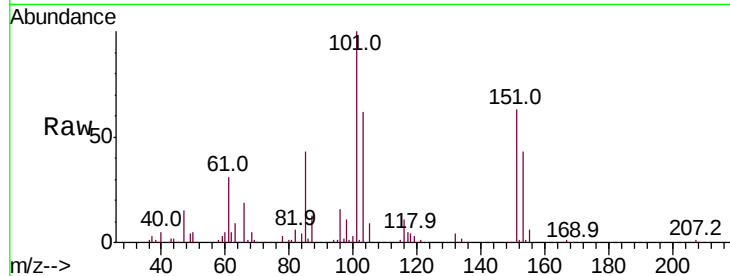
ClientSampleId :

VSTDCCC050

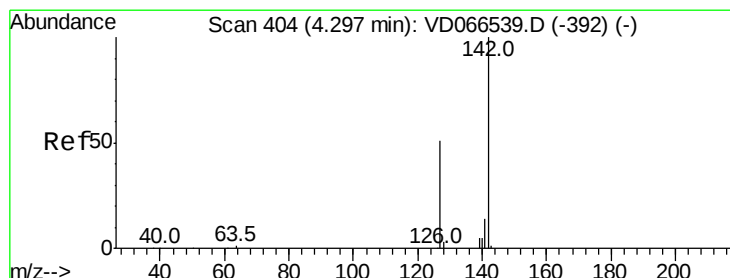
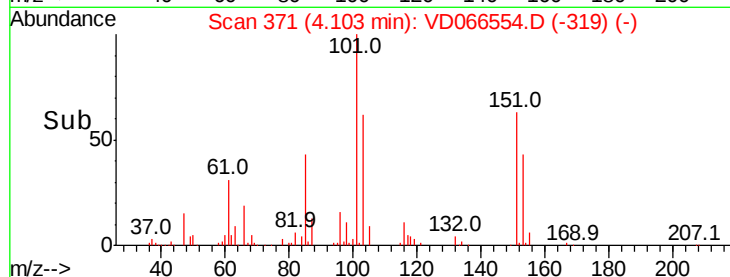
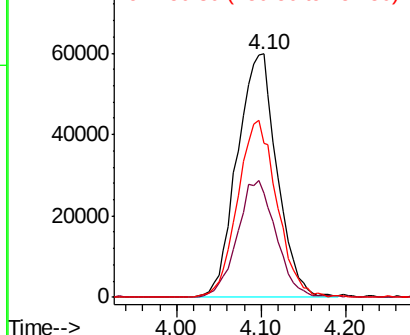
Tot Ion:	101	Resp:	196254
Ion Ratio	Lower	Upper	
101	100		
85	46.2	37.0	55.6
151	71.6	59.4	89.2

Manual Integrations
APPROVED

sam
9/8/2020 5:42:31 PM



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



#10

Methyl Iodide

Concen: 48.628 ug/l

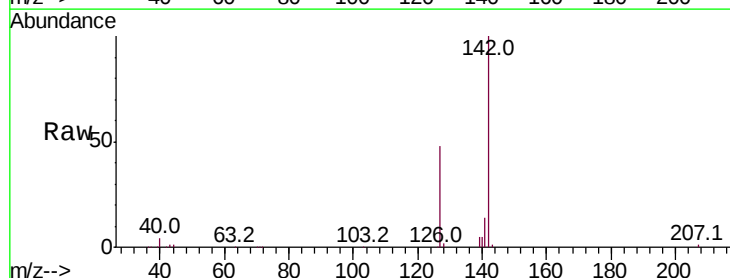
RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

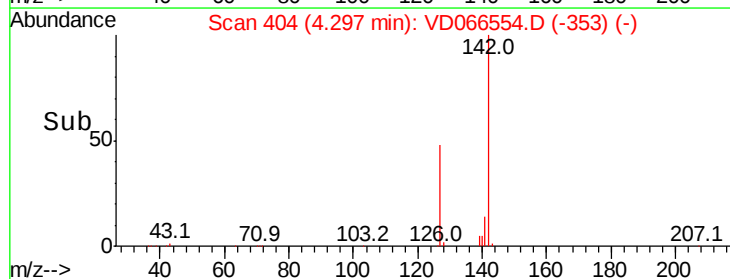
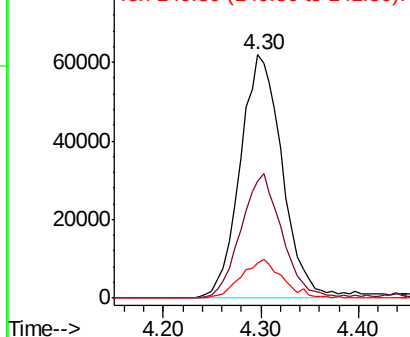
Lab File: VD066554.D

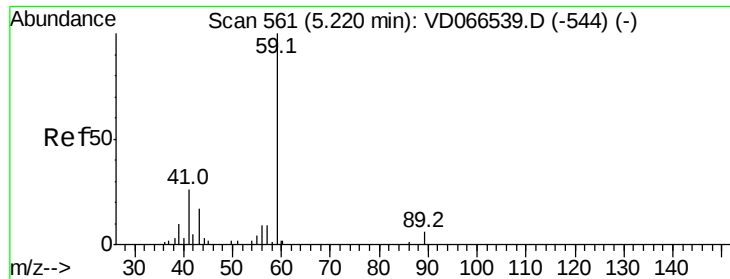
Acq: 04 Sep 2020 11:01

Tgt Ion:	142	Resp:	186358
Ion Ratio	Lower	Upper	
142	100		
127	50.7	40.6	61.0
141	15.6	12.2	18.4



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





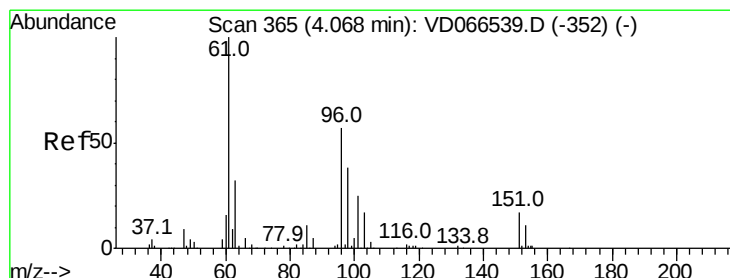
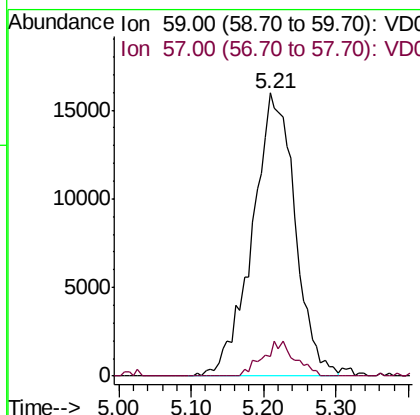
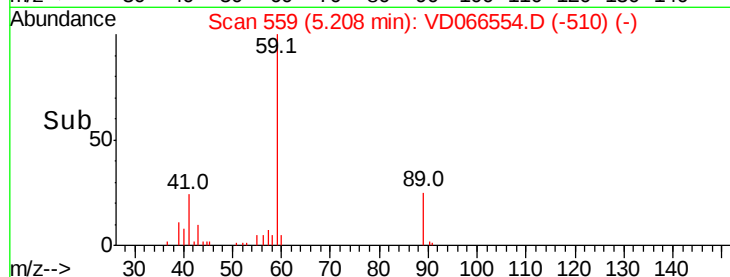
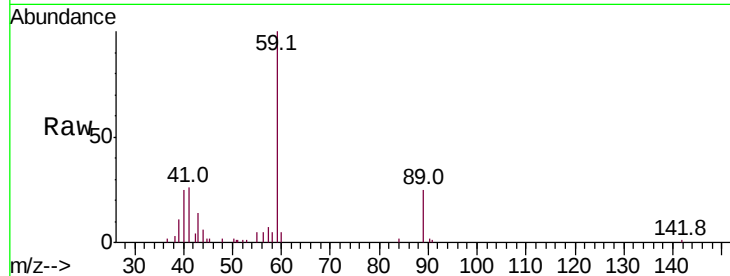
#11
Tert butyl alcohol
Concen: 225.997 ug/l
RT: 5.21 min Scan# 559
Delta R.T. -0.01 min
Lab File: VD066554.D
Acq: 04 Sep 2020 11:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.4	7.6	11.4

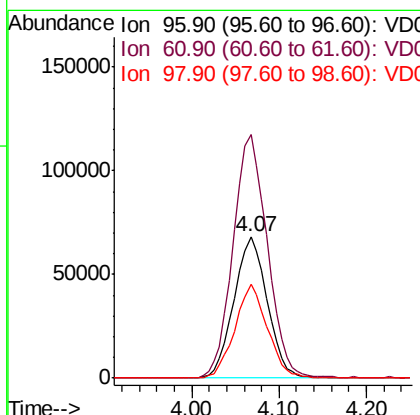
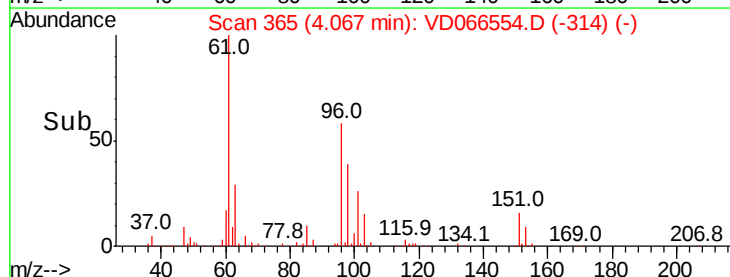
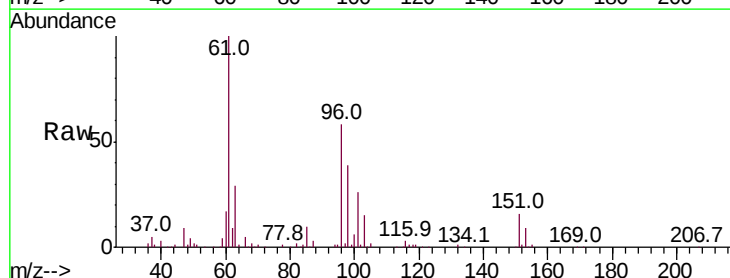
Manual Integrations
APPROVED

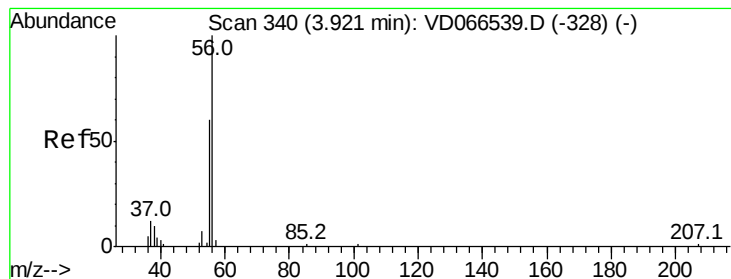
sam
9/8/2020 5:42:31 PM



#12
1,1-Dichloroethene
Concen: 46.793 ug/l
RT: 4.07 min Scan# 365
Delta R.T. -0.00 min
Lab File: VD066554.D
Acq: 04 Sep 2020 11:01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	172.0	140.9	211.3
98	66.7	53.2	79.8





#13

Acrolein

Concen: 251.691 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.01 min

Lab File: VD066554.D

Acq: 04 Sep 2020 11:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 46765

Ion Ratio Lower Upper

56 100

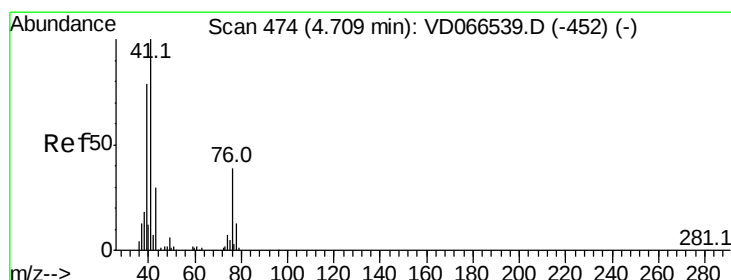
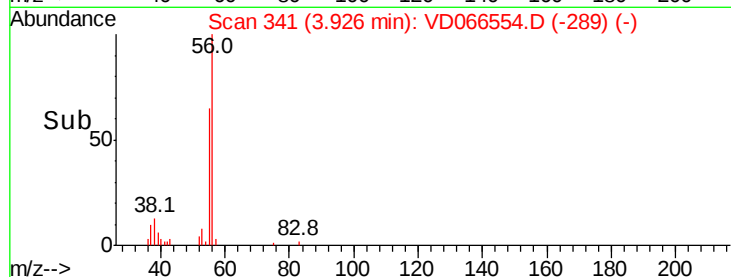
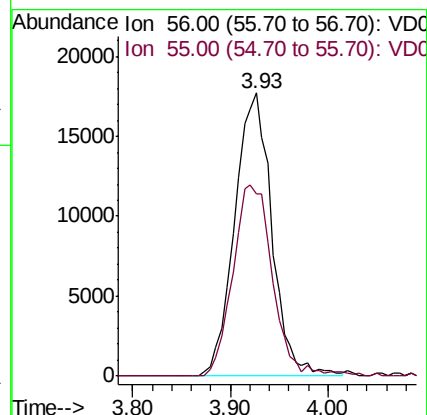
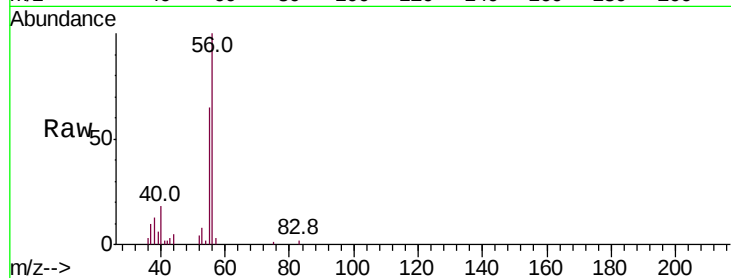
55 71.4 53.6 80.4

Manual Integrations

APPROVED

sam

9/8/2020 5:42:31 PM



#14

Allyl chloride

Concen: 47.427 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD066554.D

Acq: 04 Sep 2020 11:01

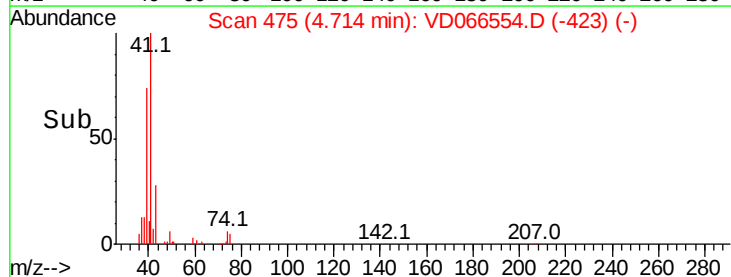
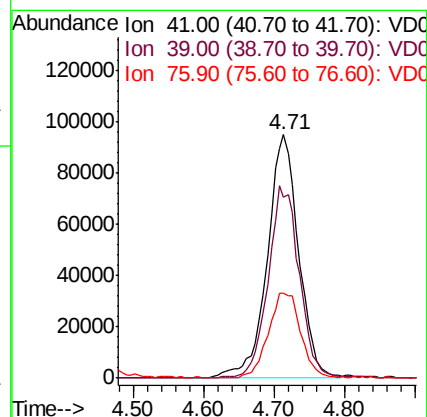
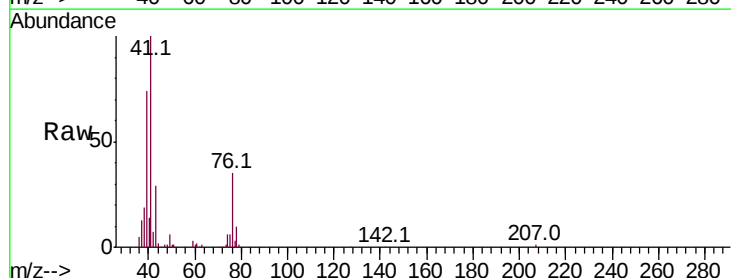
Tgt Ion: 41 Resp: 294118

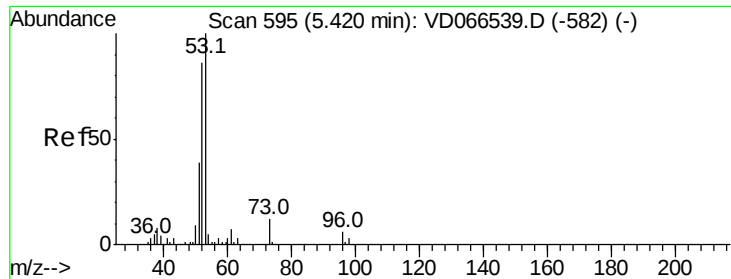
Ion Ratio Lower Upper

41 100

39 78.1 61.9 92.9

76 36.2 29.0 43.6





#15

Acrylonitrile

Concen: 238.696 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.01 min

Lab File: VD066554.D

Acq: 04 Sep 2020 11:01

Instrument :

MSVOA_D

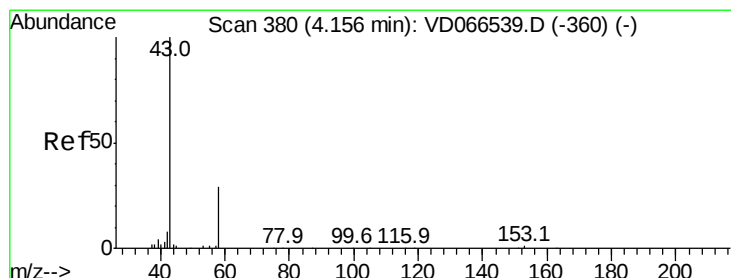
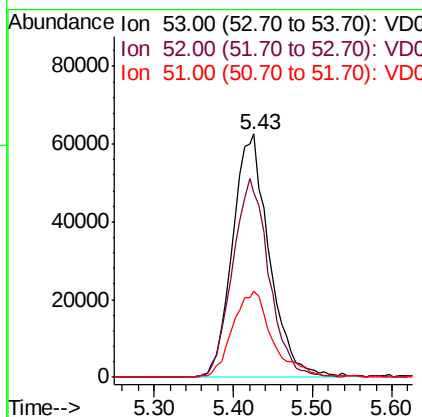
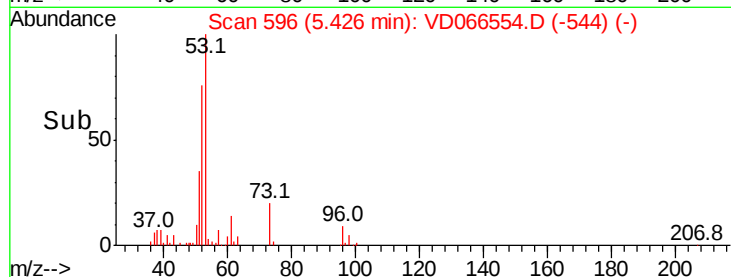
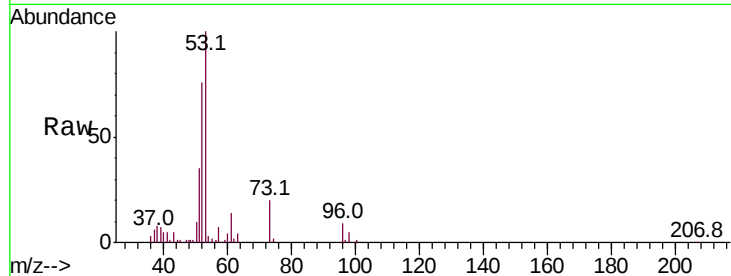
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	200943
Ion Ratio	Lower	Upper	
53	100		
52	81.2	65.4	98.2
51	38.3	31.2	46.8

Manual Integrations
APPROVED

sam
9/8/2020 5:42:31 PM



#16

Acetone

Concen: 286.365 ug/l

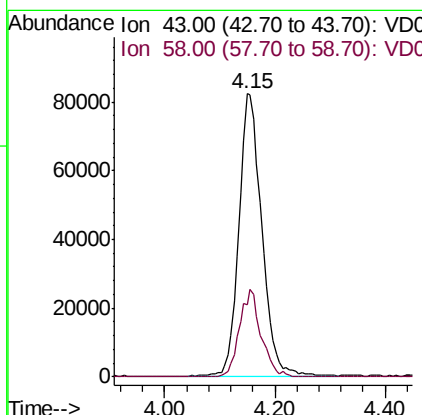
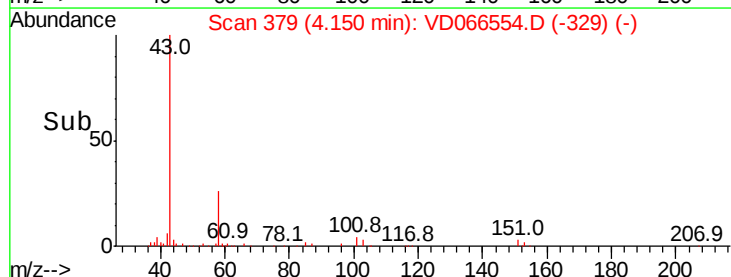
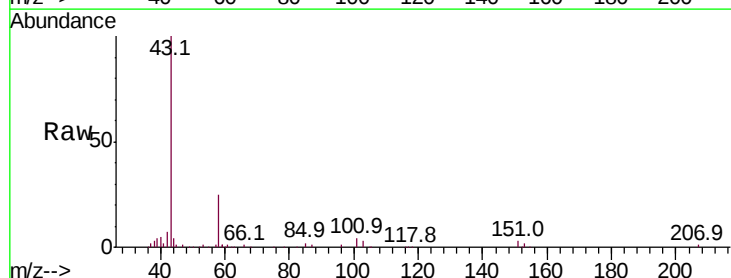
RT: 4.15 min Scan# 379

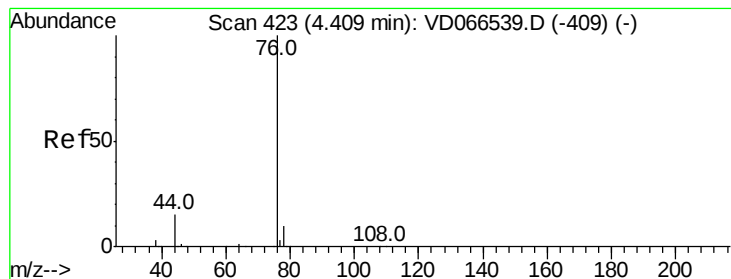
Delta R.T. -0.01 min

Lab File: VD066554.D

Acq: 04 Sep 2020 11:01

Tgt Ion:	43	Resp:	239433
Ion Ratio	Lower	Upper	
43	100		
58	25.5	22.9	34.3





#17

Carbon Disulfide

Concen: 46.859 ug/l

RT: 4.41 min Scan# 423

Delta R.T. -0.00 min

Lab File: VD066554.D

Acq: 04 Sep 2020 11:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 582907

Ion Ratio Lower Upper

76 100

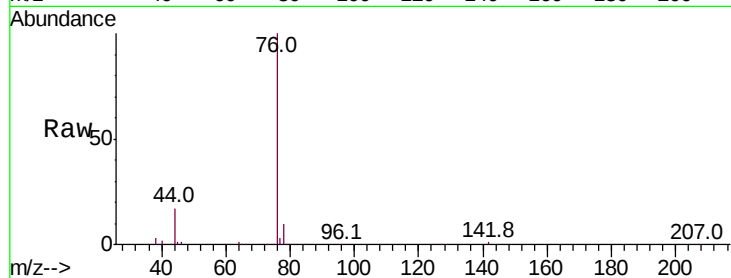
78 9.5 7.6 11.4

Manual Integrations

APPROVED

Sam

9/8/2020 5:42:31 PM



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.41

200000

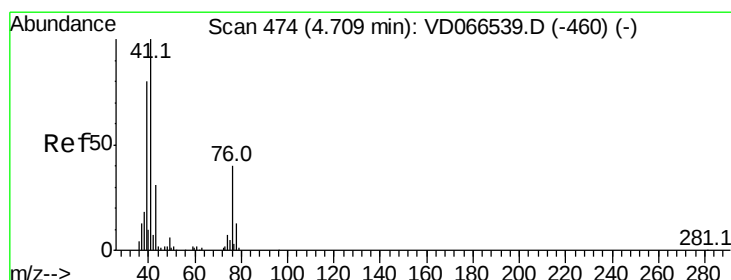
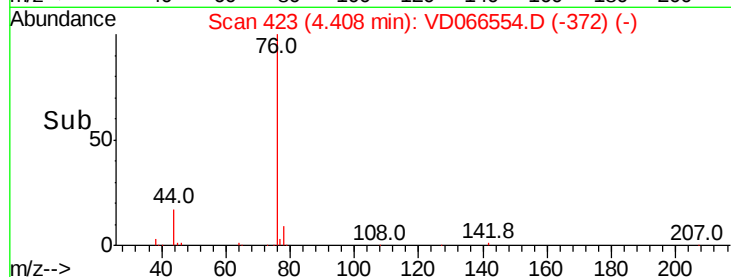
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 45.193 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD066554.D

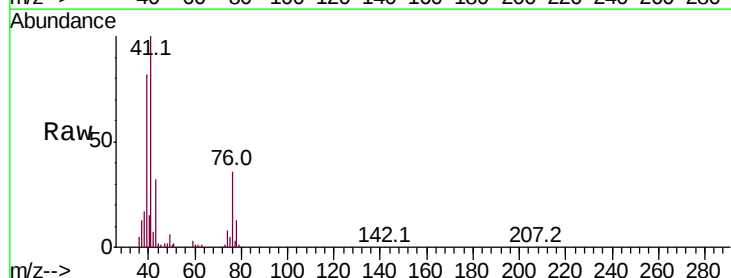
Acq: 04 Sep 2020 11:01

Tgt Ion: 43 Resp: 90075

Ion Ratio Lower Upper

43 100

74 23.5 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.72

30000

25000

20000

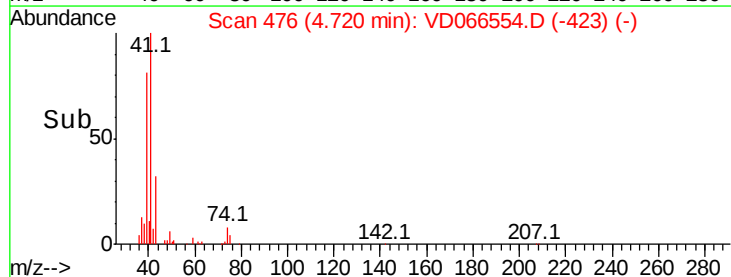
15000

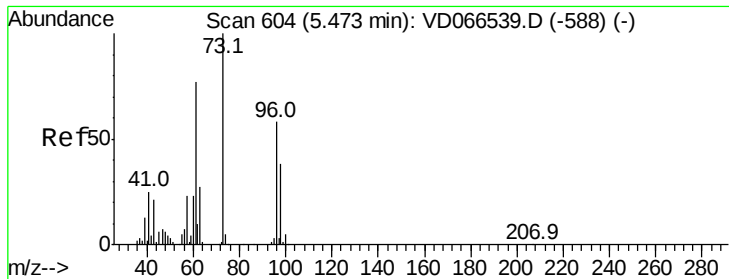
10000

5000

0

Time-->





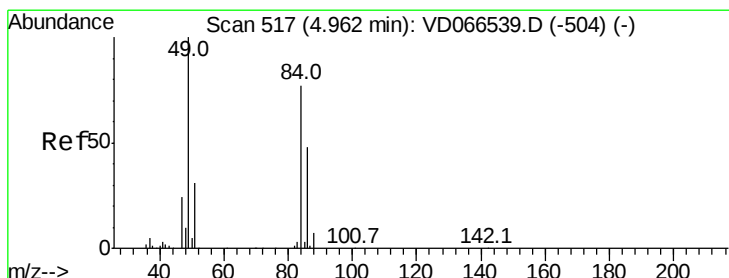
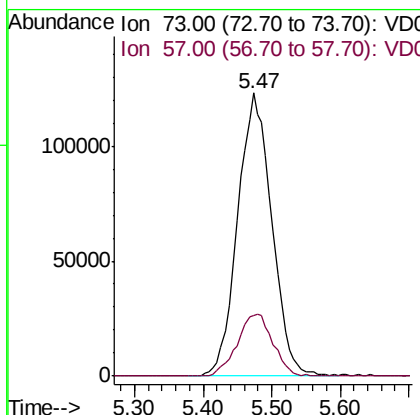
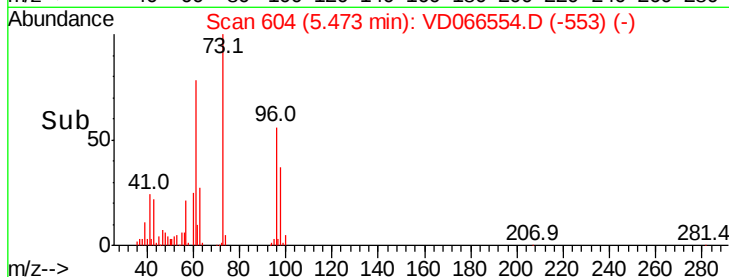
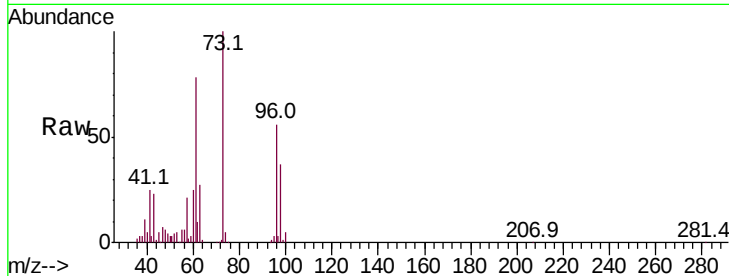
#19
Methvl tert-butvl Ether
Concen: 47.928 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.00 min
Lab File: VD066554.D
Acq: 04 Sep 2020 11:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 425297
Ion Ratio Lower Upper
73 100
57 21.3 18.3 27.5

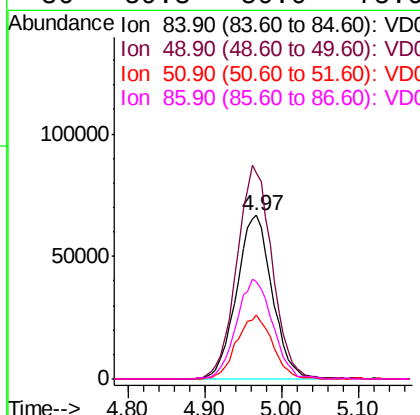
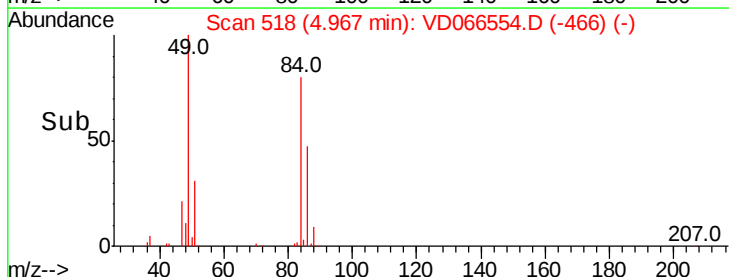
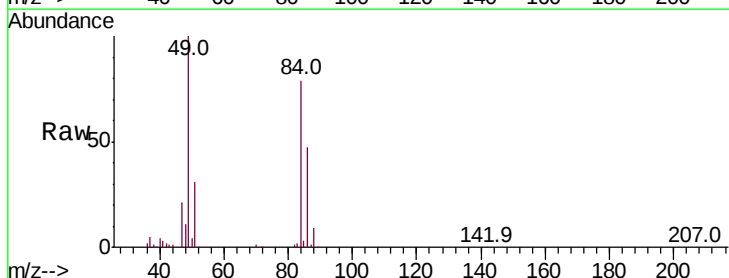
Manual Integrations
APPROVED

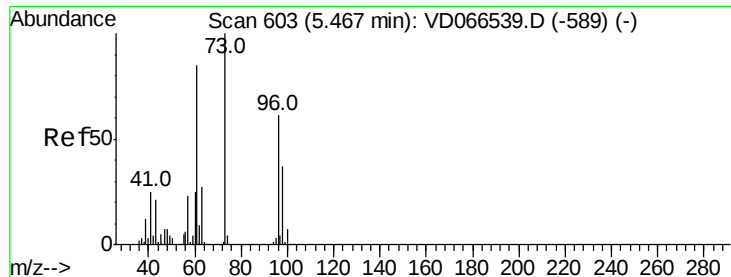
sam
9/8/2020 5:42:31 PM



#20
Methylene Chloride
Concen: 47.105 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD066554.D
Acq: 04 Sep 2020 11:01

Tgt Ion: 84 Resp: 216386
Ion Ratio Lower Upper
84 100
49 126.0 104.3 156.5
51 39.2 32.2 48.4
86 59.3 50.0 75.0





#21

trans-1,2-Dichloroethene

Concen: 47.177 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.00 min

Lab File: VD066554.D

Acq: 04 Sep 2020 11:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 211989

Ion Ratio Lower Upper

96 100

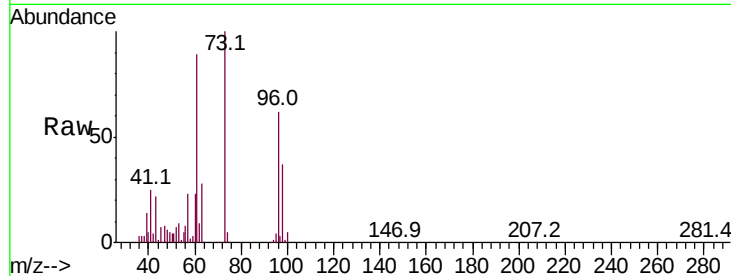
61 144.7 112.1 168.1

98 60.8 48.6 72.8

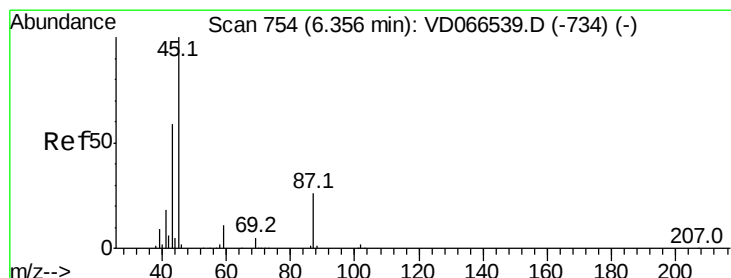
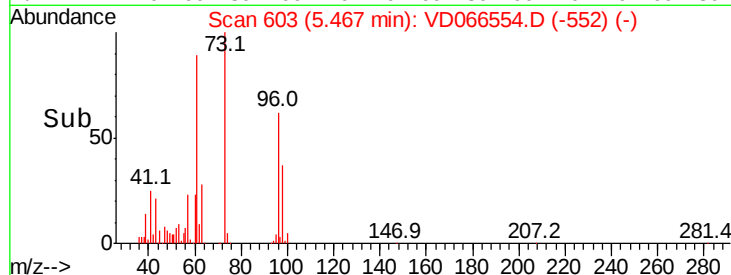
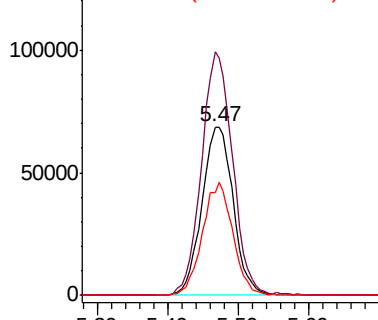
Manual Integrations
APPROVED

sam

9/8/2020 5:42:31 PM



Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 49.109 ug/l

RT: 6.36 min Scan# 755

Delta R.T. 0.01 min

Lab File: VD066554.D

Acq: 04 Sep 2020 11:01

Tgt Ion: 45 Resp: 626285

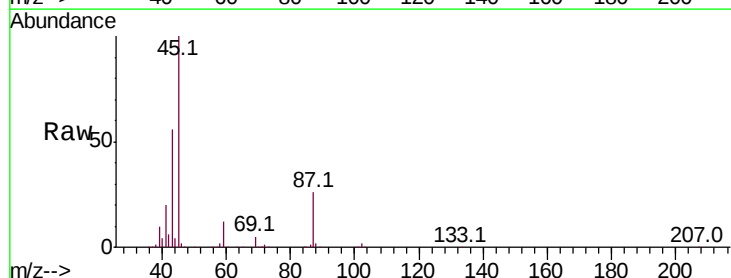
Ion Ratio Lower Upper

45 100

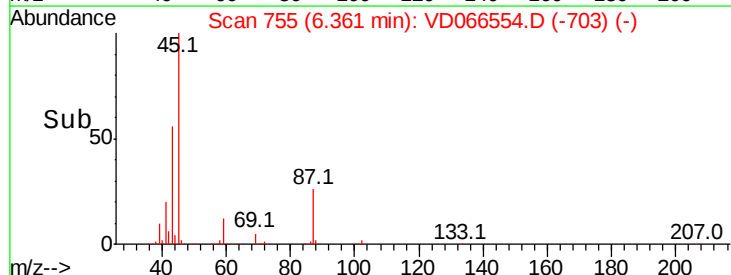
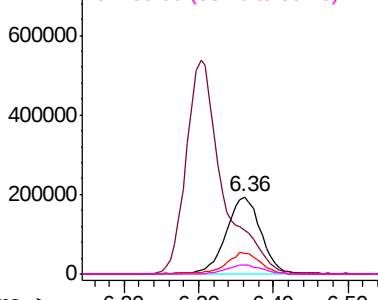
43 54.8 47.0 70.4

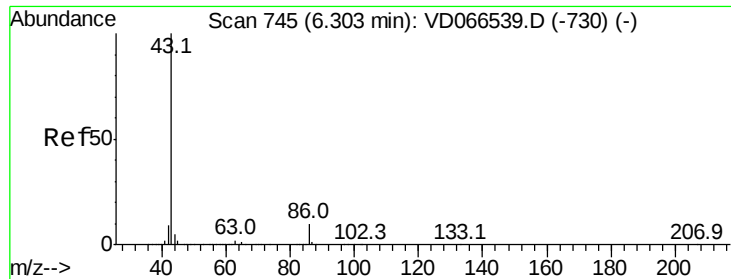
87 25.8 21.3 31.9

59 11.3 8.7 13.1



Abundance Ion 45.00 (44.70 to 45.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 251.524 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.00 min

Lab File: VD066554.D

Acq: 04 Sep 2020 11:01

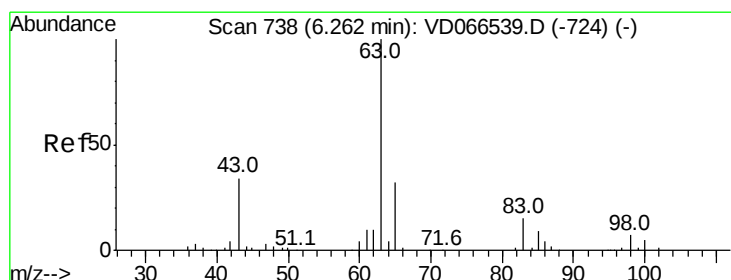
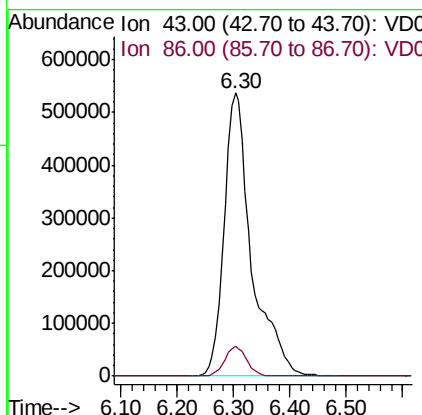
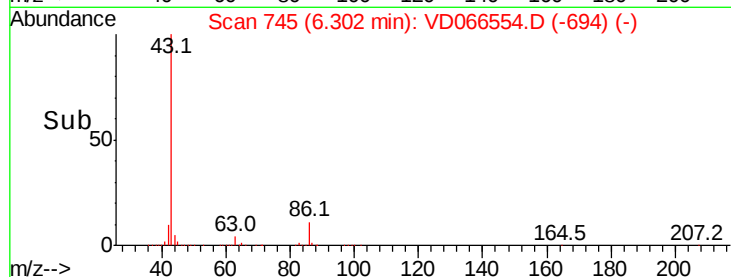
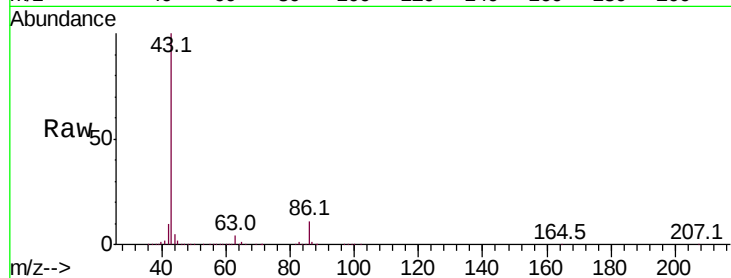
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1825380

Ion	Ratio	Lower	Upper
43	100		
86	10.6	7.7	11.5

Manual Integrations
APPROVED

sam
9/8/2020 5:42:31 PM



#24

1,1-Dichloroethane

Concen: 47.266 ug/l

RT: 6.26 min Scan# 738

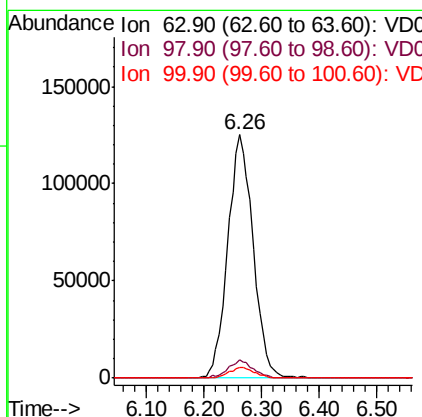
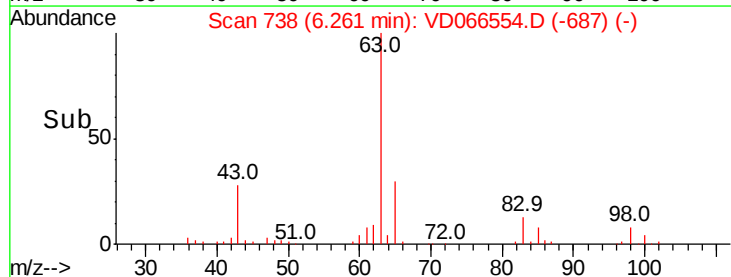
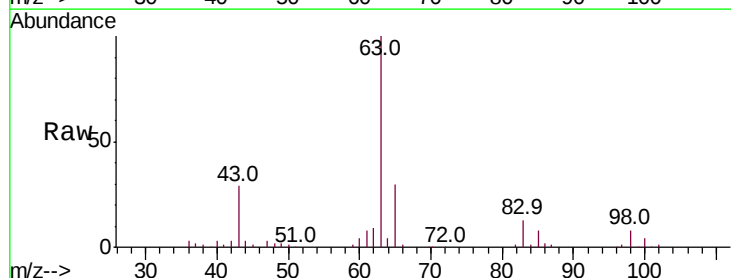
Delta R.T. -0.00 min

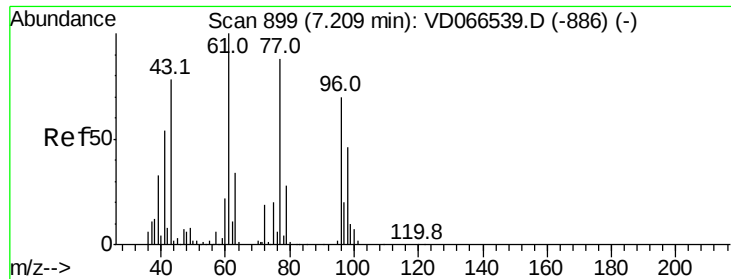
Lab File: VD066554.D

Acq: 04 Sep 2020 11:01

Tgt Ion: 63 Resp: 379056

Ion	Ratio	Lower	Upper
63	100		
98	7.7	3.4	10.1
100	4.4	2.5	7.4





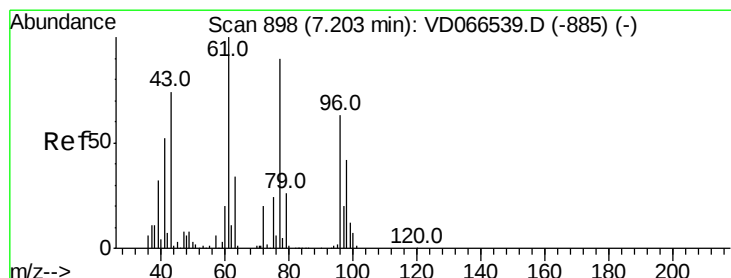
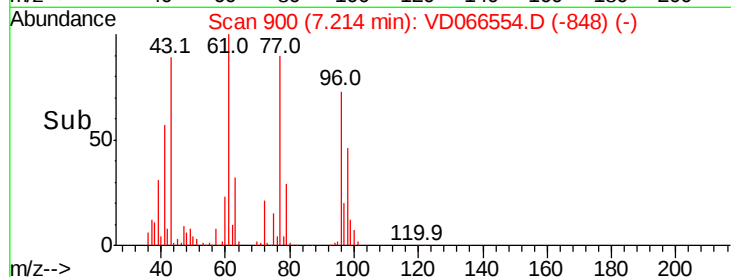
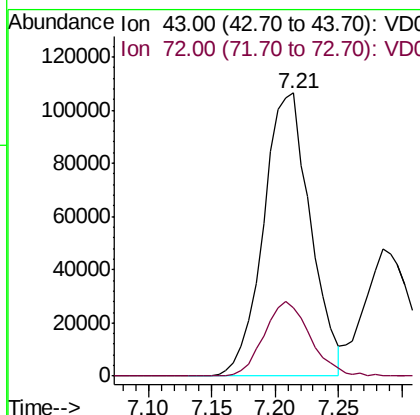
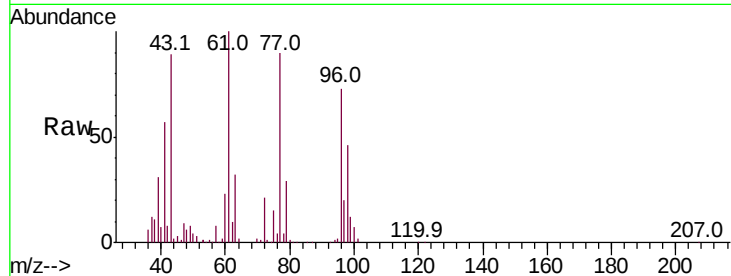
#25
2-Butanone
Concen: 245.203 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD066554.D
Acq: 04 Sep 2020 11:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 275212
Ion Ratio Lower Upper
43 100
72 23.9 19.8 29.6

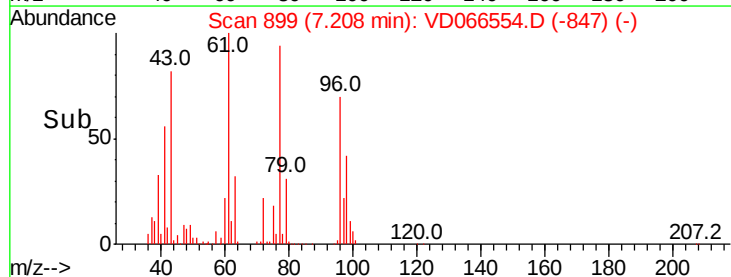
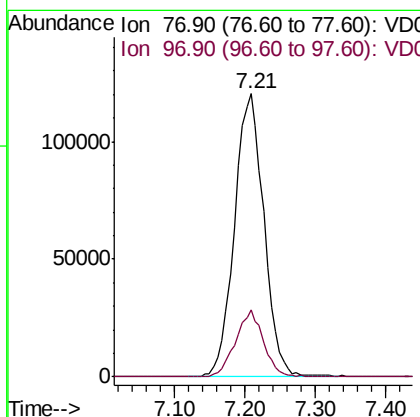
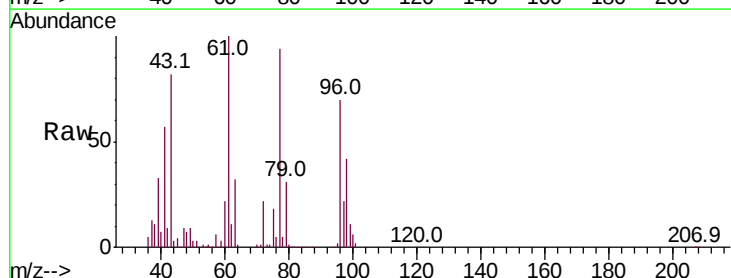
Manual Integrations
APPROVED

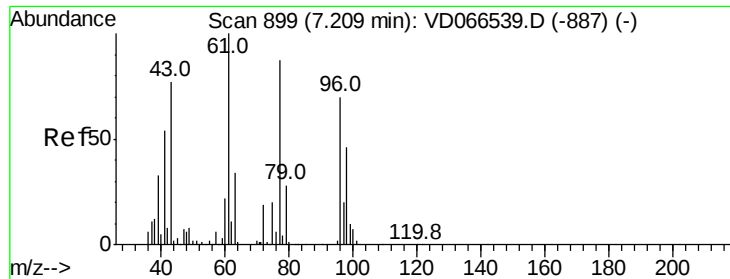
sam
9/8/2020 5:42:31 PM



#26
2,2-Dichloropropane
Concen: 47.446 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.01 min
Lab File: VD066554.D
Acq: 04 Sep 2020 11:01

Tgt Ion: 77 Resp: 349028
Ion Ratio Lower Upper
77 100
97 22.3 10.8 32.3





#27

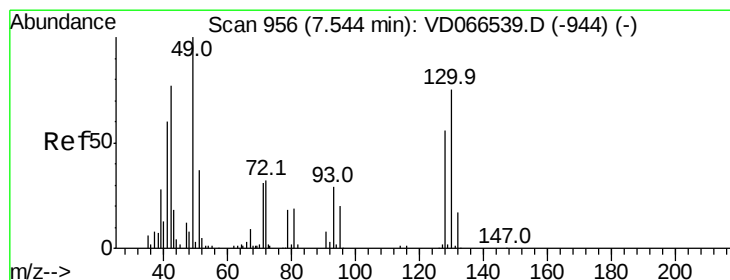
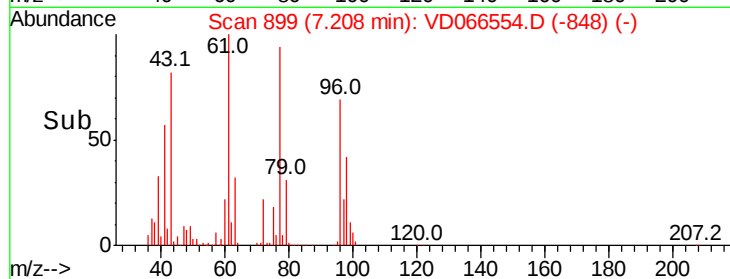
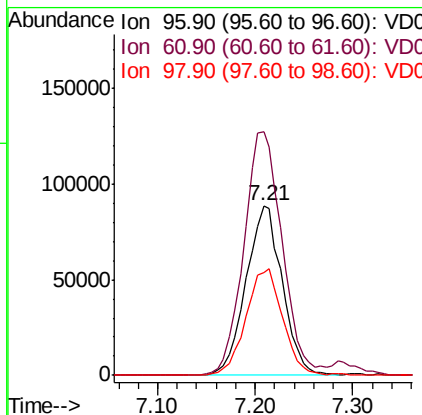
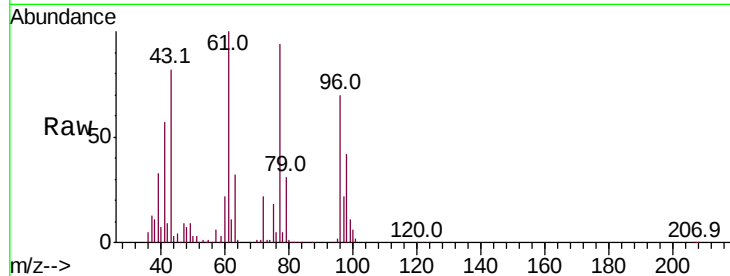
cis-1,2-Dichloroethene
 Concen: 47.813 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VD066554.D
 Acq: 04 Sep 2020 11:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	231042		
61	151.9	0.0	301.0	
98	63.3	0.0	129.8	

Manual Integrations
 APPROVED

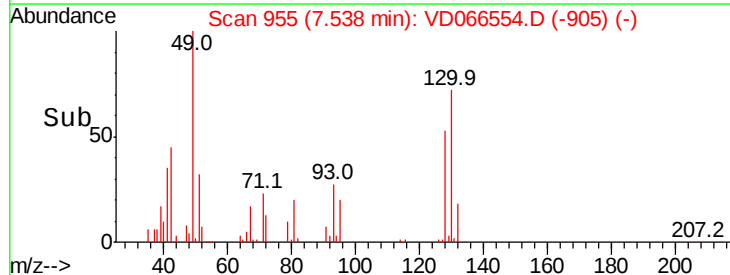
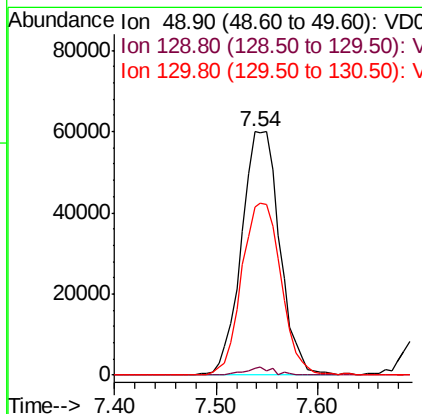
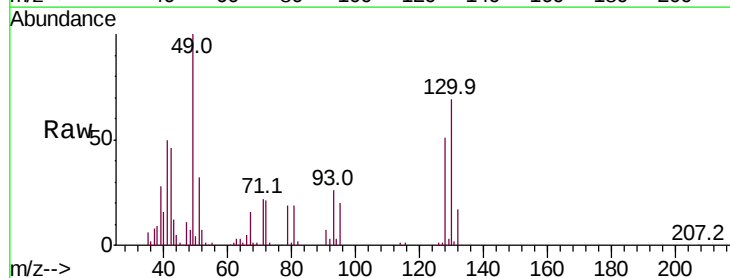
sam
 9/8/2020 5:42:31 PM

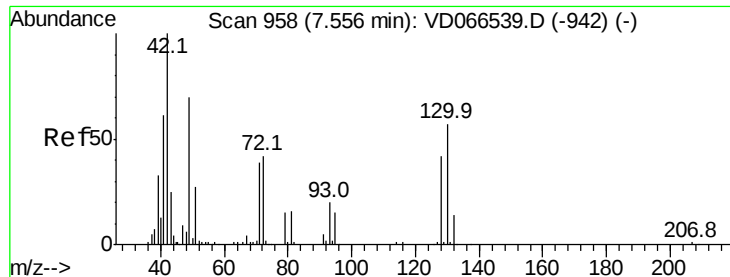


#28

Bromochloromethane
 Concen: 51.186 ug/l
 RT: 7.54 min Scan# 955
 Delta R.T. -0.01 min
 Lab File: VD066554.D
 Acq: 04 Sep 2020 11:01

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	158039		
129	2.4	0.0	2.6	
130	72.8	58.2	87.2	





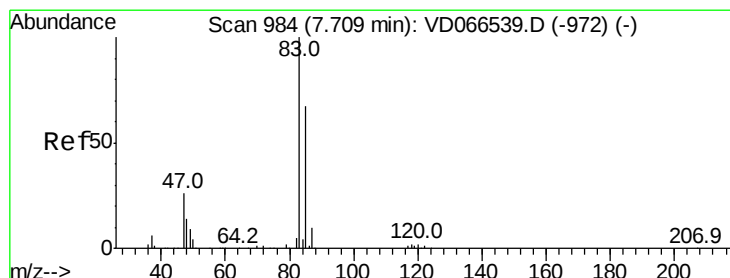
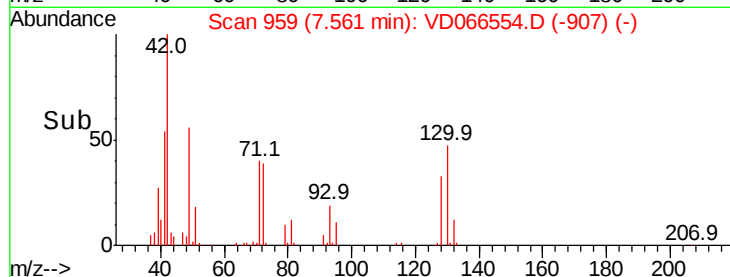
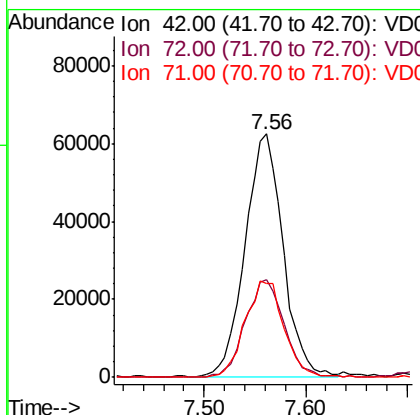
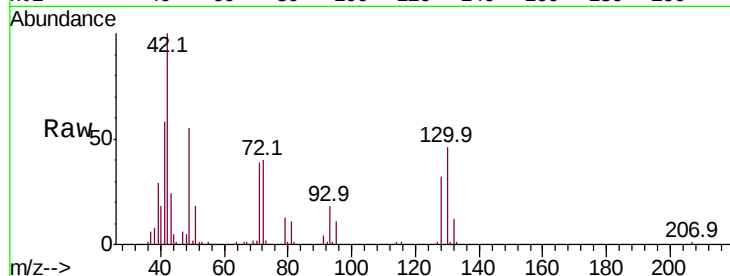
#29
Tetrahydrofuran
Concen: 234.239 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.01 min
Lab File: VD066554.D
Acq: 04 Sep 2020 11:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.8	33.4	50.0
71	40.5	31.9	47.9

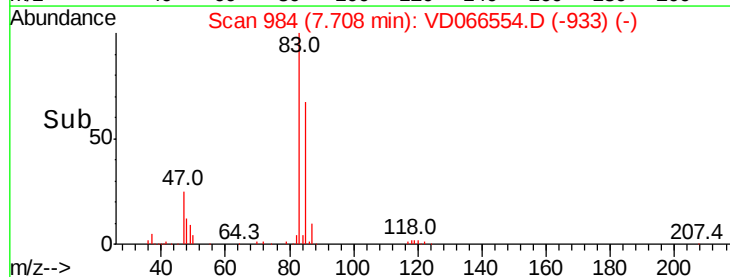
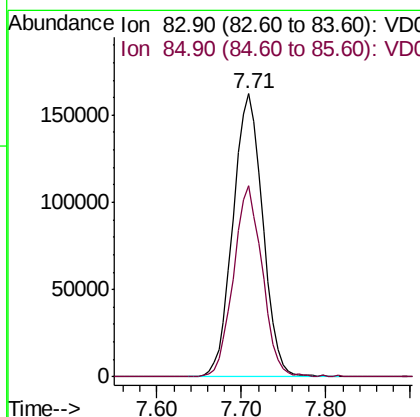
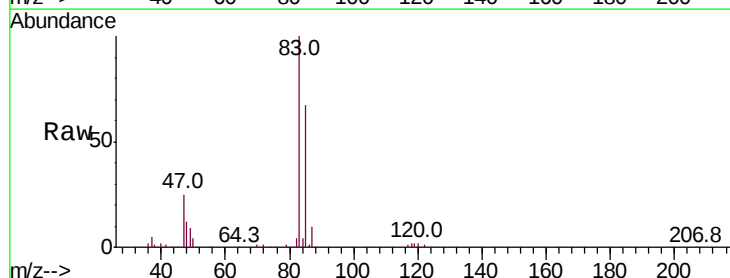
Manual Integrations
APPROVED

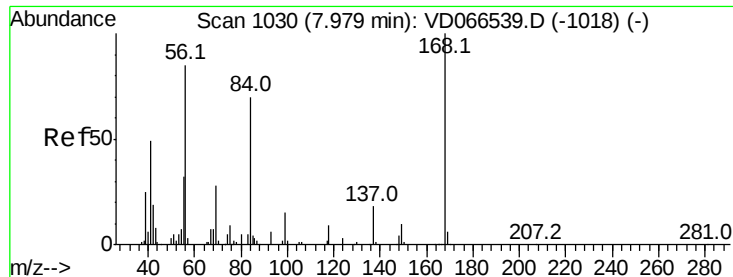
sam
9/8/2020 5:42:31 PM



#30
Chloroform
Concen: 46.575 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.00 min
Lab File: VD066554.D
Acq: 04 Sep 2020 11:01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.5	53.6	80.4





#31

Cyclohexane

Concen: 46.013 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD066554.D

Acq: 04 Sep 2020 11:01

Instrument :

MSVOA_D

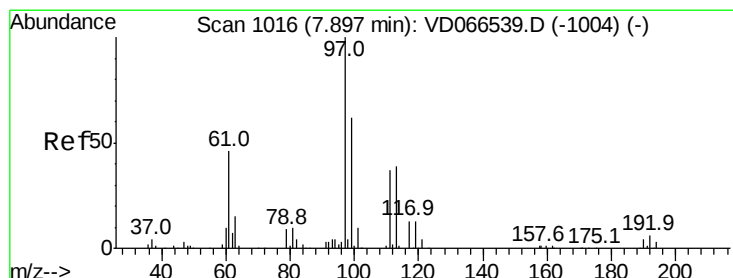
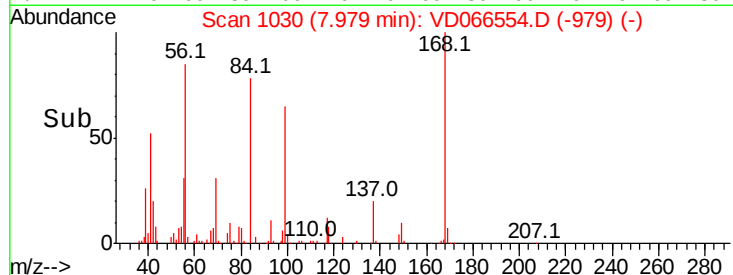
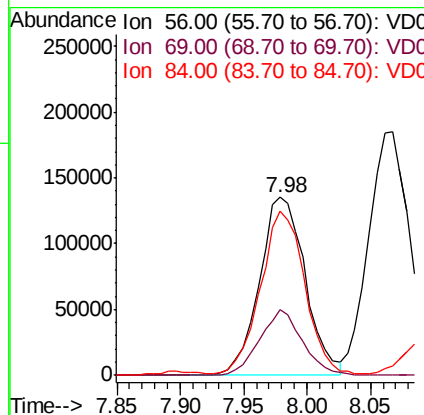
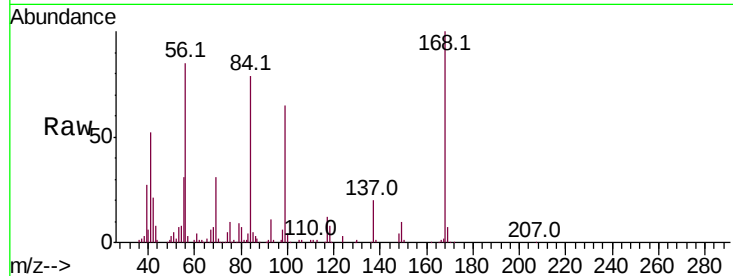
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	341109
Ion	Ratio	Lower	Upper
56	100		
69	36.7	26.3	39.5
84	90.8	66.1	99.1

Manual Integrations
APPROVED

sam
9/8/2020 5:42:31 PM



#32

1,1,1-Trichloroethane

Concen: 47.035 ug/l

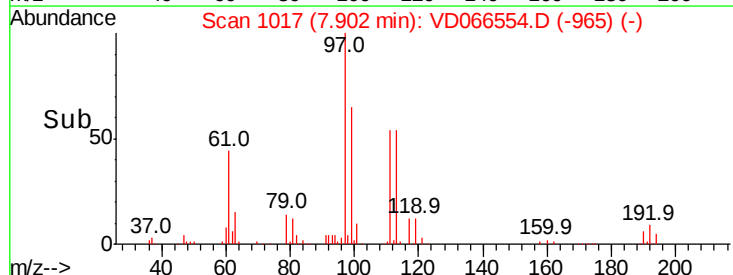
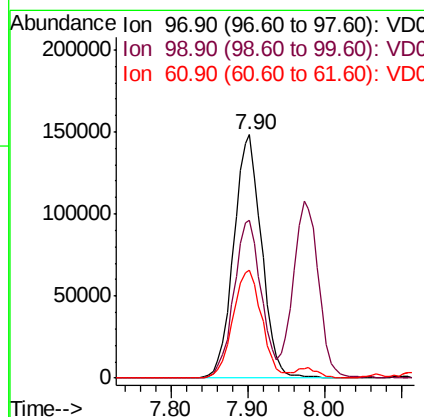
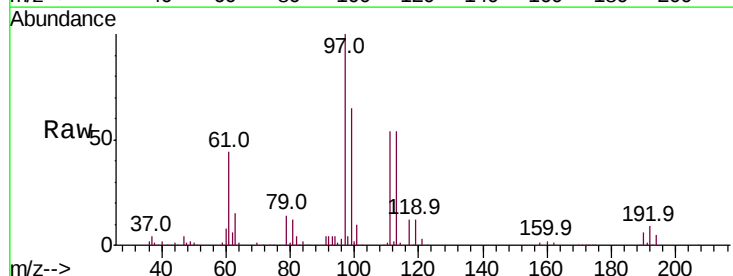
RT: 7.90 min Scan# 1017

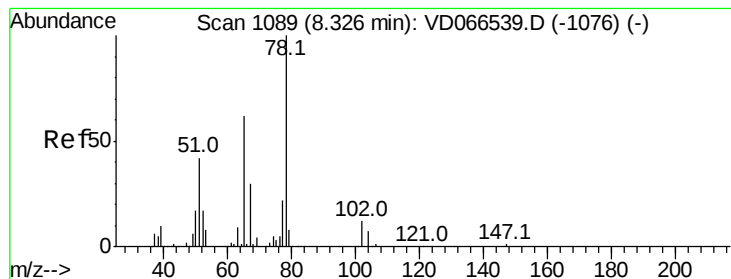
Delta R.T. 0.01 min

Lab File: VD066554.D

Acq: 04 Sep 2020 11:01

Tgt Ion:	97	Resp:	375191
Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.4	77.0
61	45.9	37.4	56.0





#33

1,2-Dichloroethane-d4

Concen: 53.547 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.00 min

Lab File: VD066554.D

Acq: 04 Sep 2020 11:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 243324

Ion Ratio Lower Upper

65 100

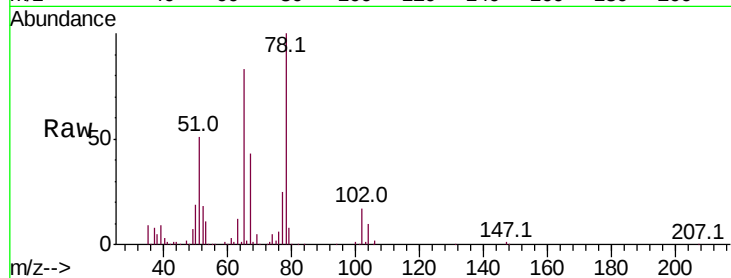
67 51.4 0.0 102.8

Manual Integrations

APPROVED

sam

9/8/2020 5:42:31 PM



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

120000

100000

80000

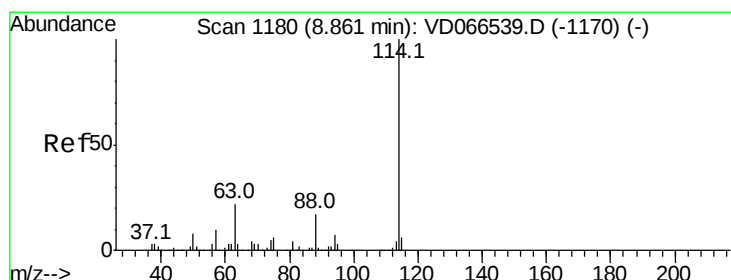
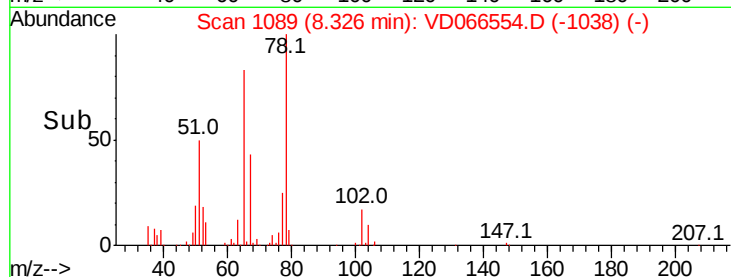
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD066554.D

Acq: 04 Sep 2020 11:01

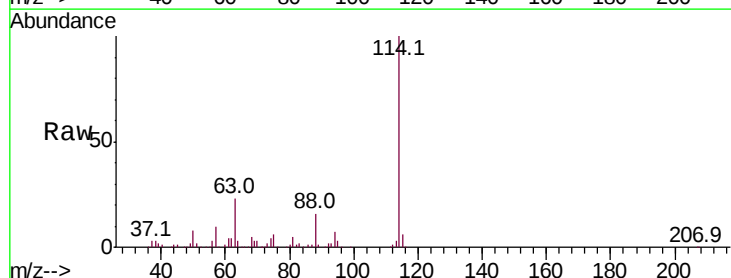
Tgt Ion: 114 Resp: 600696

Ion Ratio Lower Upper

114 100

63 22.5 0.0 43.2

88 15.5 0.0 33.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

400000

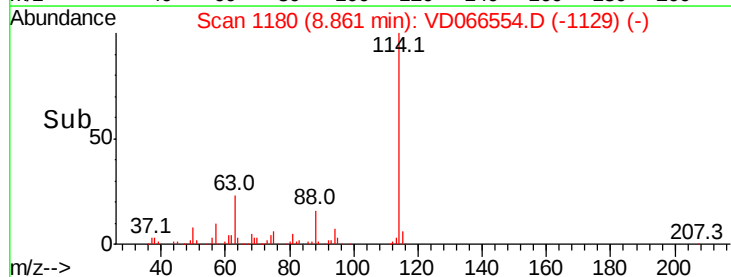
300000

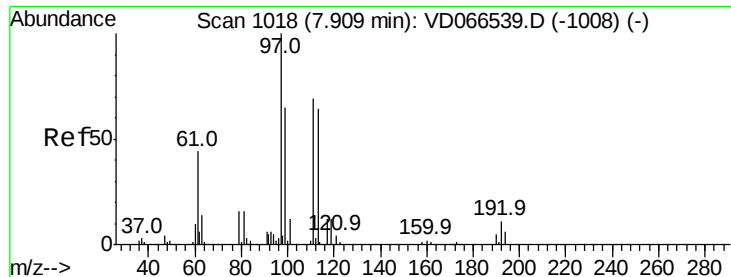
200000

100000

0

Time-->





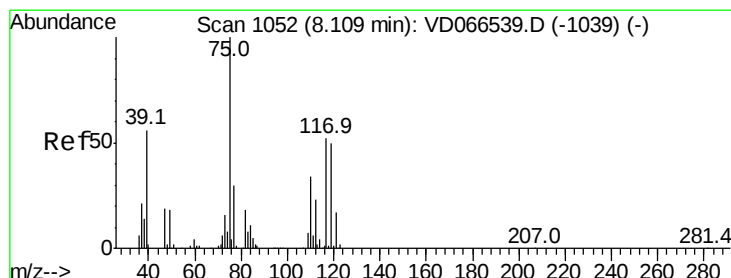
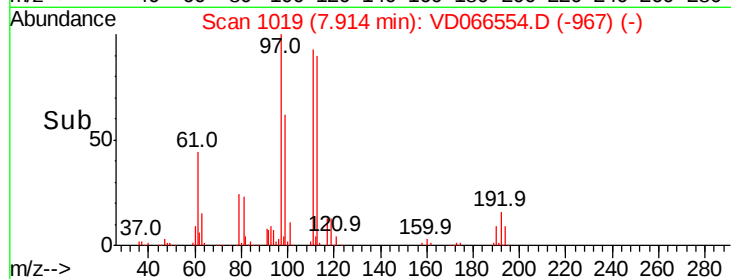
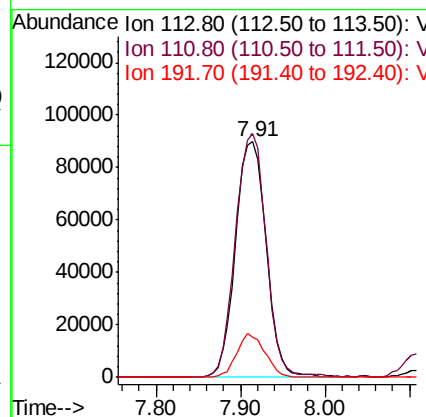
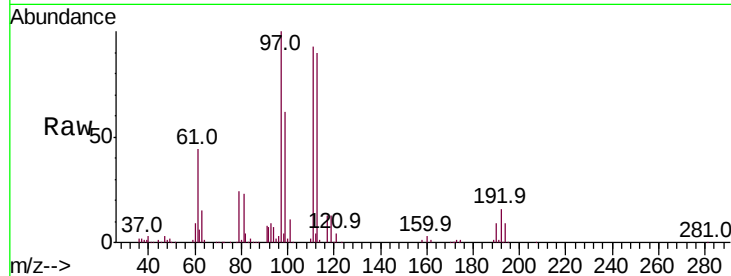
#35
 Dibromofluoromethane
 Concen: 55.927 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VD066554.D
 Acq: 04 Sep 2020 11:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	226637		
111	102.1	83.2	124.8	
192	17.1	13.7	20.5	

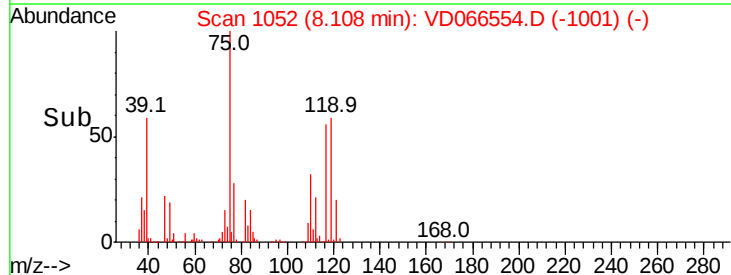
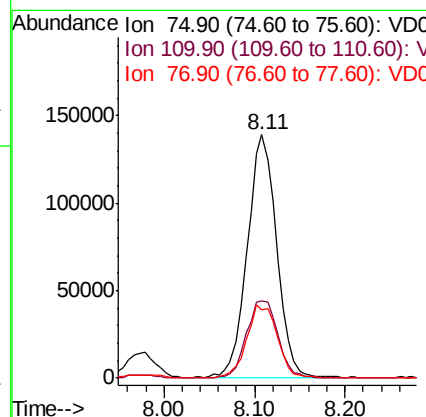
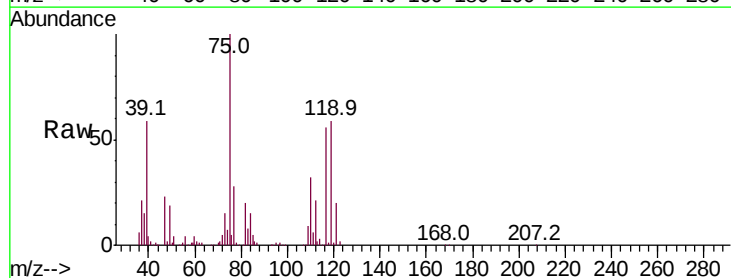
Manual Integrations
 APPROVED

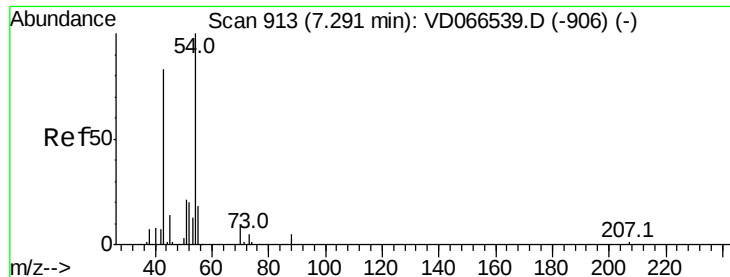
sam
 9/8/2020 5:42:31 PM



#36
 1,1-Dichloropropene
 Concen: 49.681 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: VD066554.D
 Acq: 04 Sep 2020 11:01

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	310577		
110	34.3	17.3	52.0	
77	31.7	25.1	37.7	





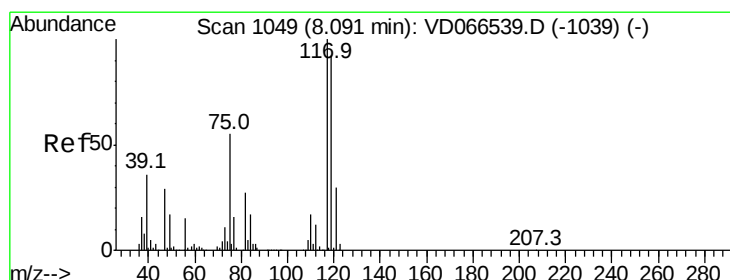
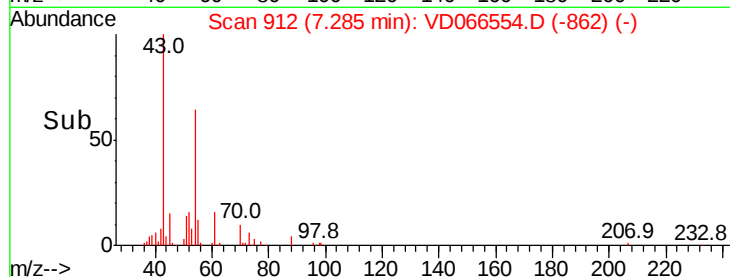
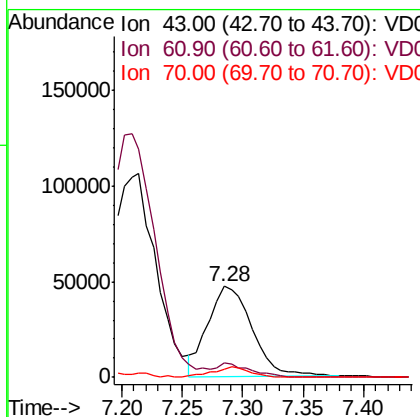
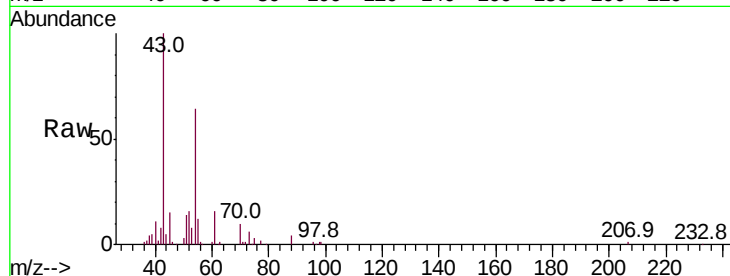
#37
Ethyl Acetate
Concen: 47.837 ug/l
RT: 7.28 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD066554.D
Acq: 04 Sep 2020 11:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.5	11.8	17.8#
70	10.5	7.9	11.9

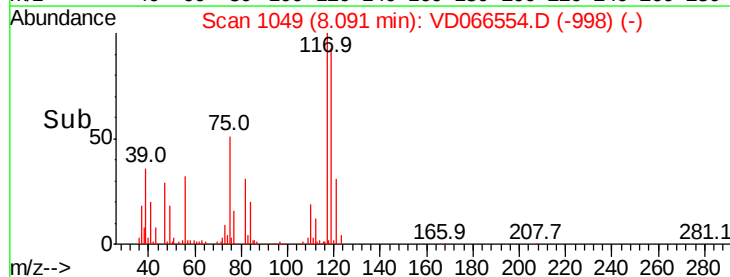
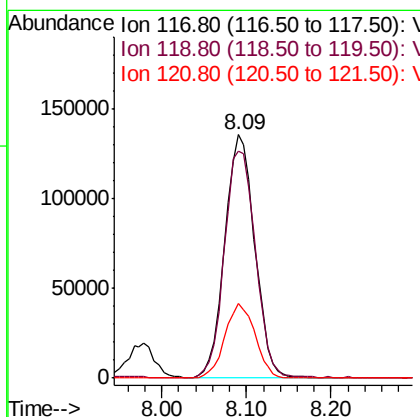
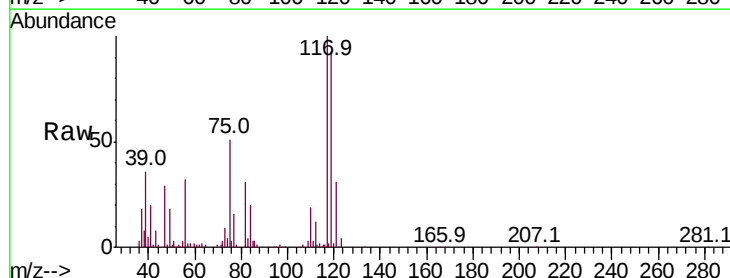
Manual Integrations
APPROVED

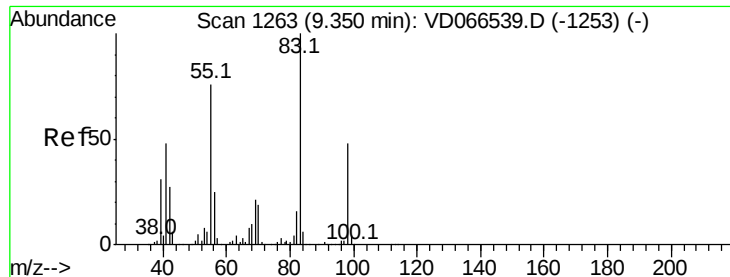
sam
9/8/2020 5:42:31 PM



#38
Carbon Tetrachloride
Concen: 50.238 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.00 min
Lab File: VD066554.D
Acq: 04 Sep 2020 11:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.1	73.9	110.9
121	30.6	24.1	36.1





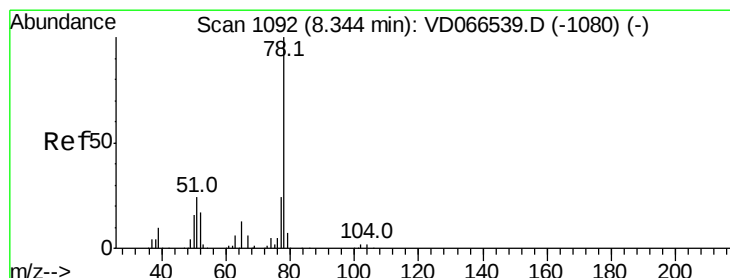
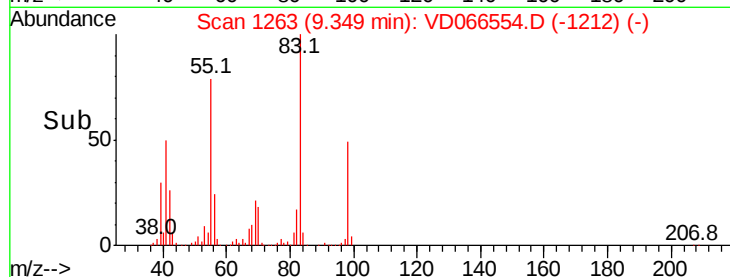
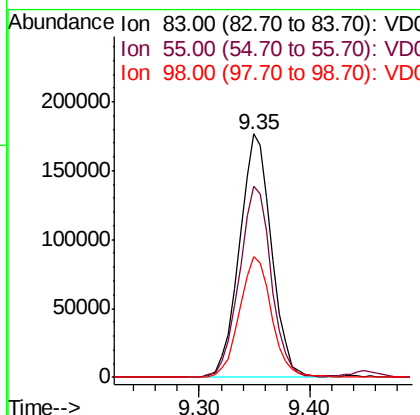
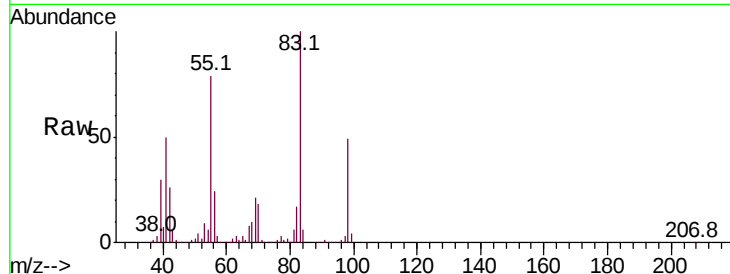
#39
Methvlcvclohexane
Concen: 51.611 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VD066554.D
Acq: 04 Sep 2020 11:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.6	60.8	91.2
98	49.4	38.6	58.0

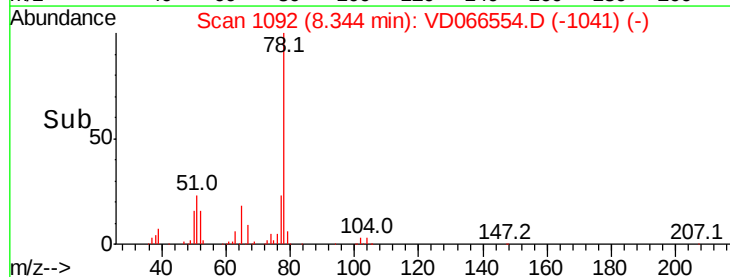
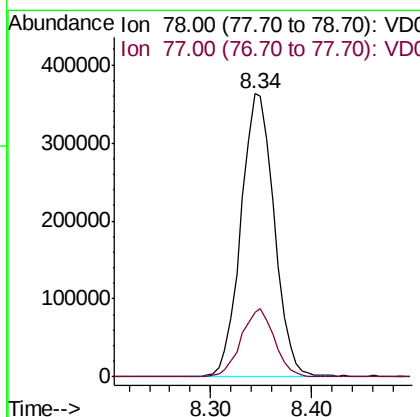
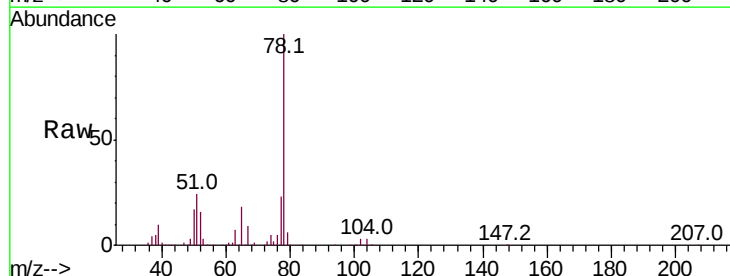
Manual Integrations
APPROVED

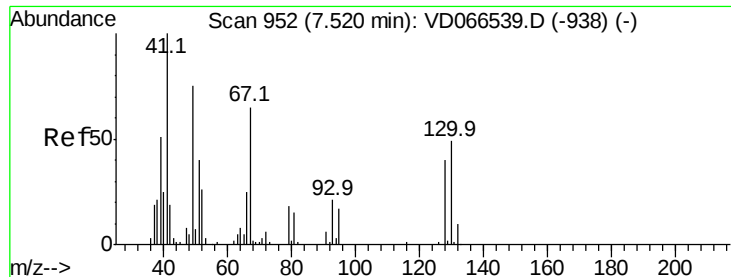
sam
9/8/2020 5:42:31 PM



#40
Benzene
Concen: 48.300 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. -0.00 min
Lab File: VD066554.D
Acq: 04 Sep 2020 11:01

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	19.1	28.7





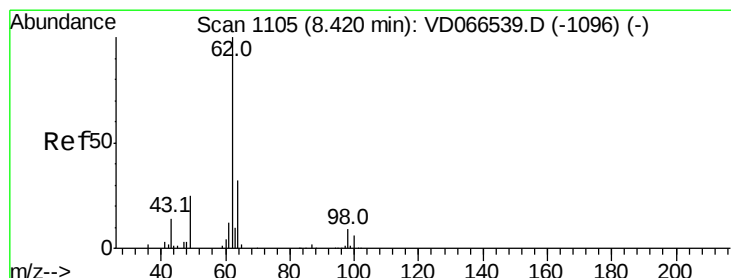
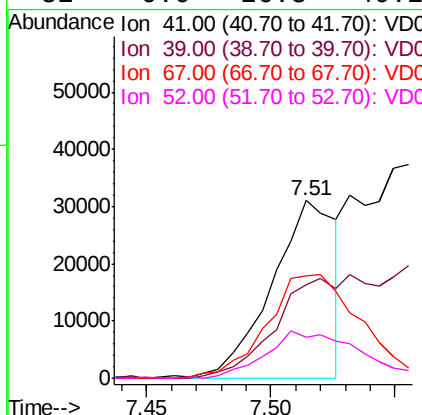
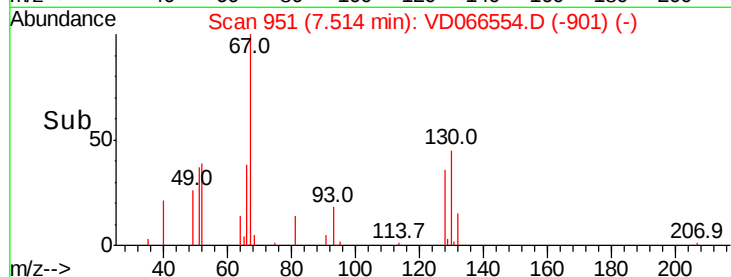
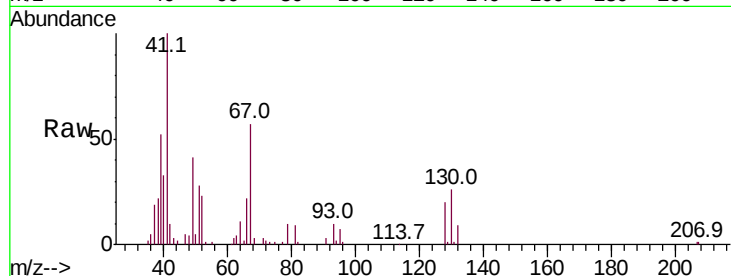
#41
Methacrylonitrile
Concen: 46.020 ug/l m
RT: 7.51 min Scan# 951
Delta R.T. -0.01 min
Lab File: VD066554.D
Acq: 04 Sep 2020 11:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	53.6	80.4#
67	0.0	59.2	88.8#
52	0.0	26.8	40.2#

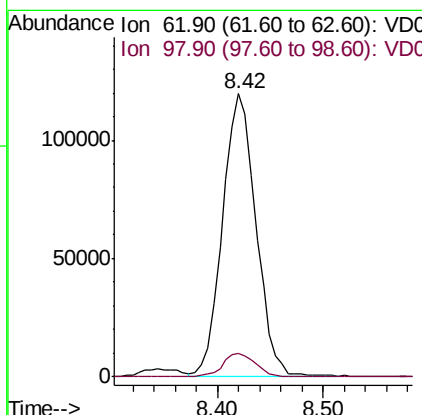
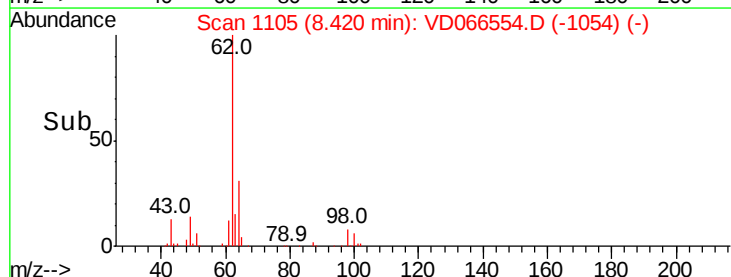
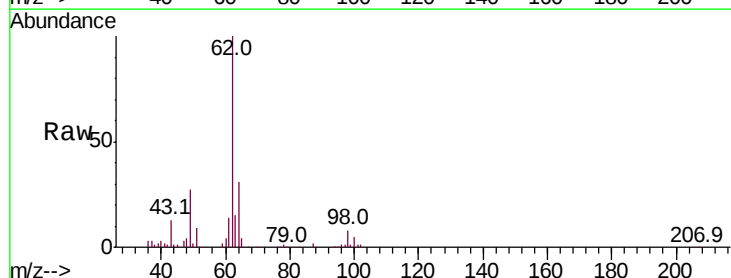
Manual Integrations
APPROVED

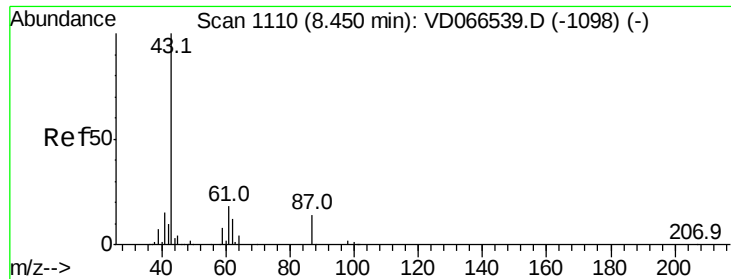
sam
9/8/2020 5:42:31 PM



#42
1,2-Dichloroethane
Concen: 46.999 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VD066554.D
Acq: 04 Sep 2020 11:01

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	17.6





#43

Isopropyl Acetate

Concen: 48.977 ug/l

RT: 8.44 min Scan# 1109

Delta R.T. -0.01 min

Lab File: VD066554.D

Acq: 04 Sep 2020 11:01

Instrument :

MSVOA_D

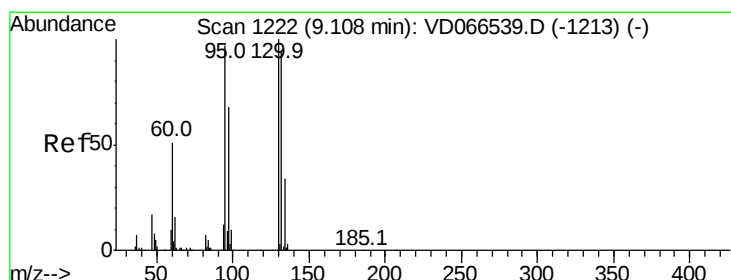
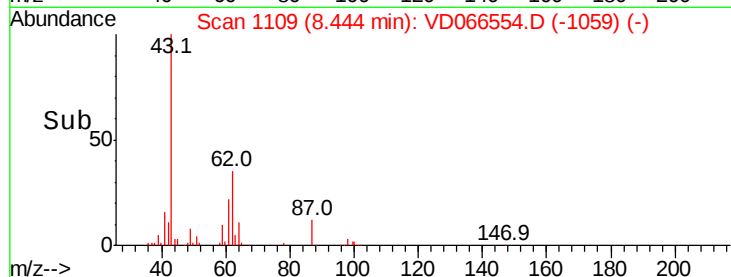
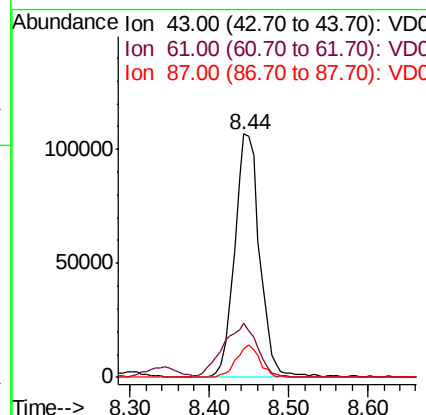
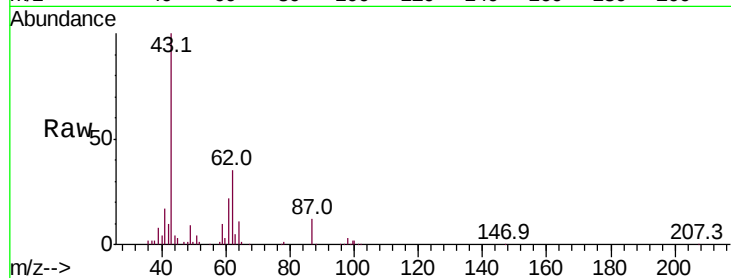
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	233643
Ion Ratio	Lower	Upper	
43	100		
61	30.1	23.8	35.8
87	12.4	10.7	16.1

Manual Integrations
APPROVED

Sam
9/8/2020 5:42:31 PM



#44

Trichloroethene

Concen: 49.288 ug/l

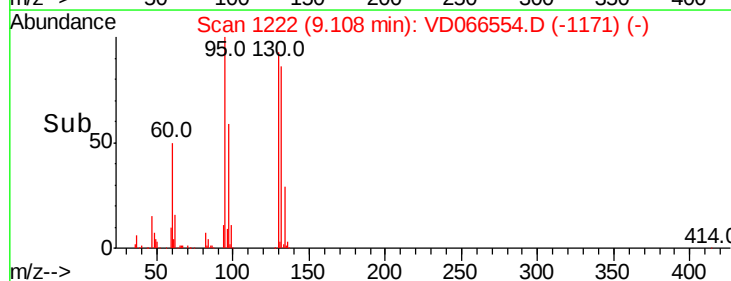
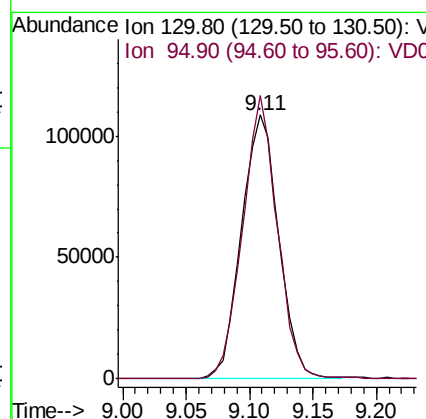
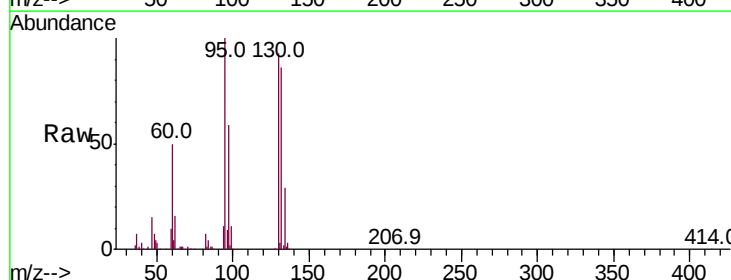
RT: 9.11 min Scan# 1222

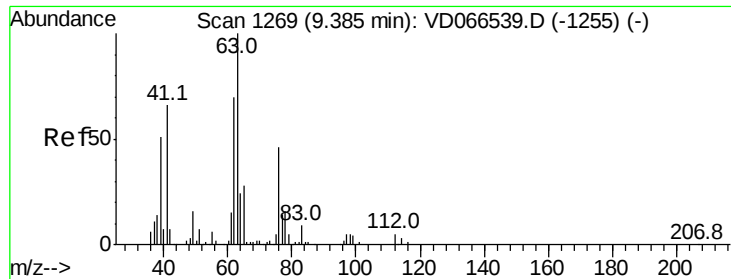
Delta R.T. -0.00 min

Lab File: VD066554.D

Acq: 04 Sep 2020 11:01

Tgt Ion:	130	Resp:	221354
Ion Ratio	Lower	Upper	
130	100		
95	107.3	0.0	194.4





#45

1,2-Dichloropropane

Concen: 47.658 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VD066554.D

Acq: 04 Sep 2020 11:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 205200

Ion Ratio Lower Upper

63 100

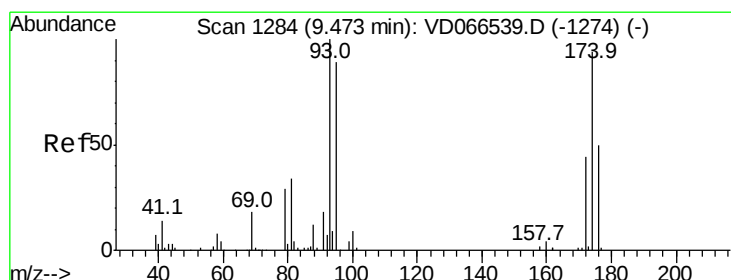
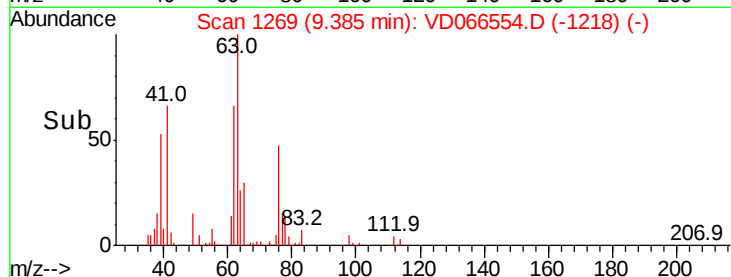
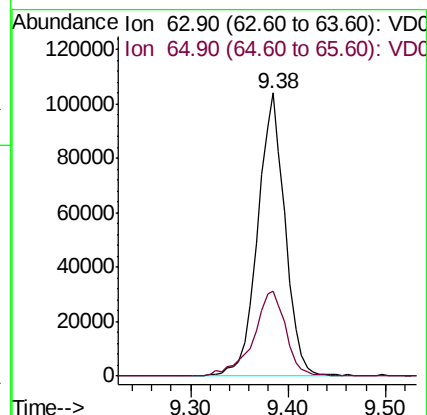
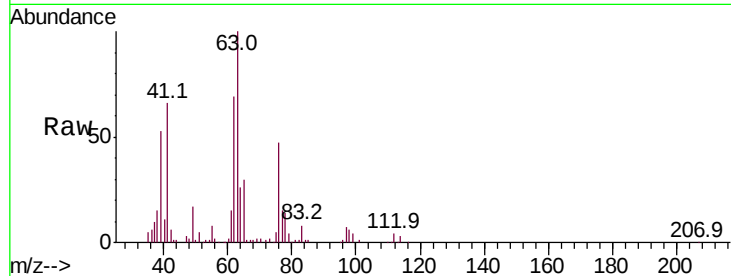
65 30.0 22.6 34.0

Manual Integrations

APPROVED

sam

9/8/2020 5:42:31 PM



#46

Dibromomethane

Concen: 48.566 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.00 min

Lab File: VD066554.D

Acq: 04 Sep 2020 11:01

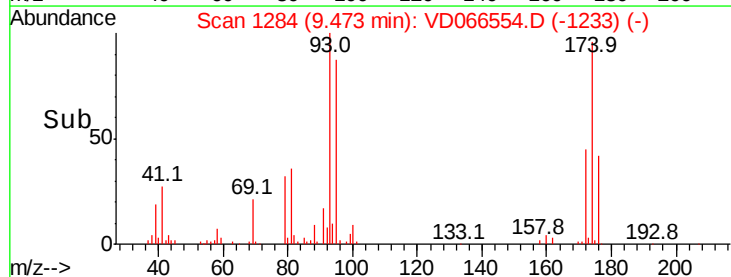
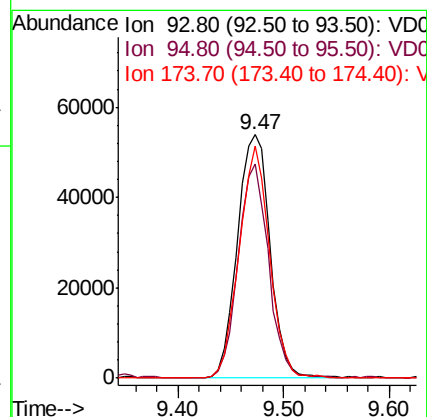
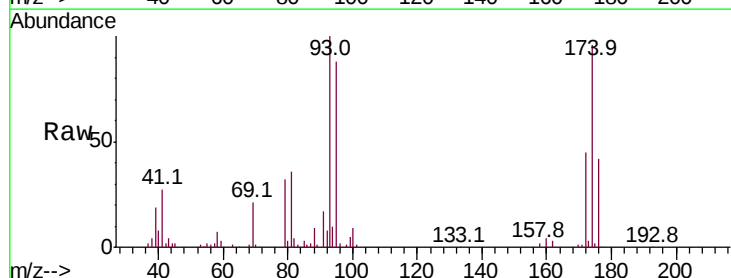
Tgt Ion: 93 Resp: 115367

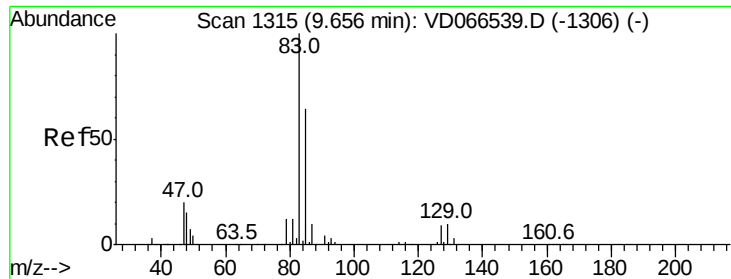
Ion Ratio Lower Upper

93 100

95 81.4 68.7 103.1

174 88.4 70.0 105.0





#47

Bromodichloromethane

Concen: 47.861 ug/l

RT: 9.66 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VD066554.D

Acq: 04 Sep 2020 11:01

Instrument :

MSVOA_D

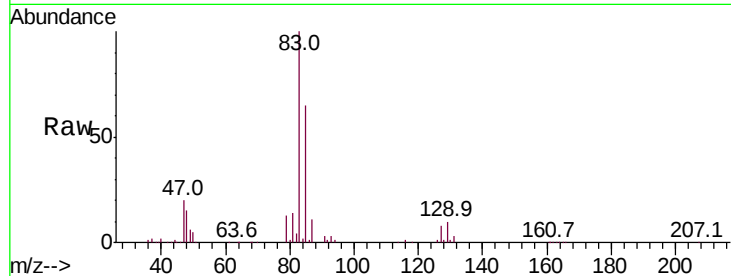
ClientSampleId :

VSTDCCC050

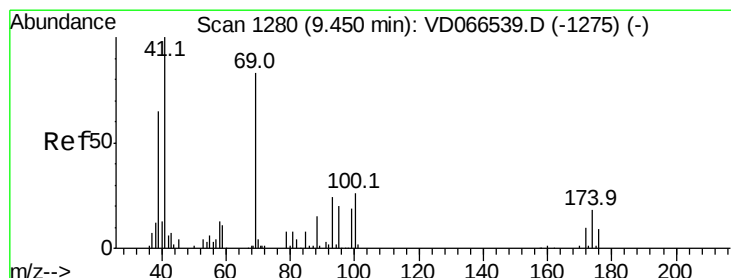
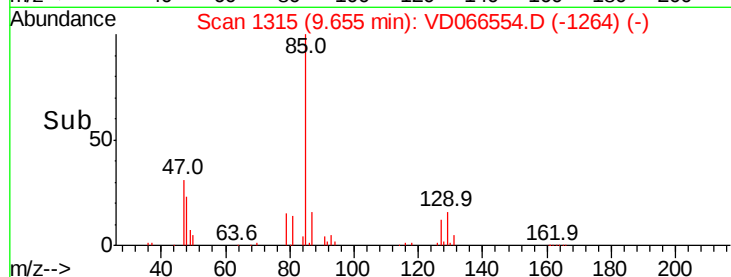
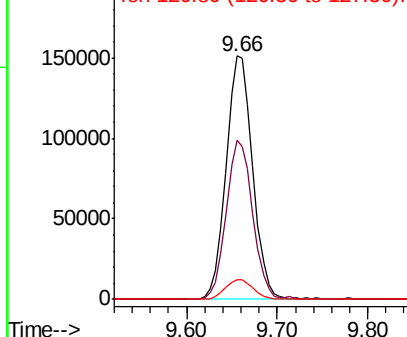
Tot Ion:	83	Resp:	307597
Ion Ratio	Lower	Upper	
83	100		
85	65.4	51.1	76.7
127	7.9	6.9	10.3

Manual Integrations
APPROVED

Sam
9/8/2020 5:42:31 PM



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 47.039 ug/l

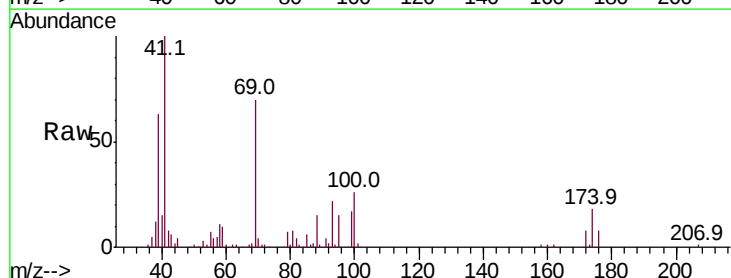
RT: 9.45 min Scan# 1280

Delta R.T. -0.00 min

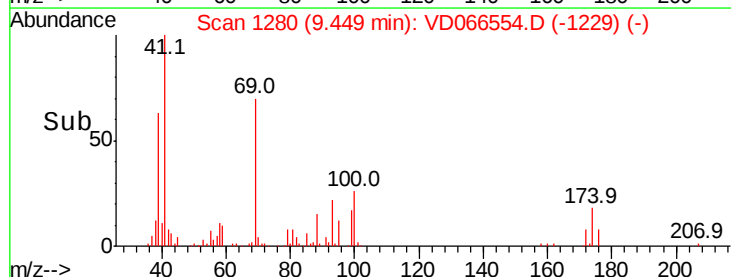
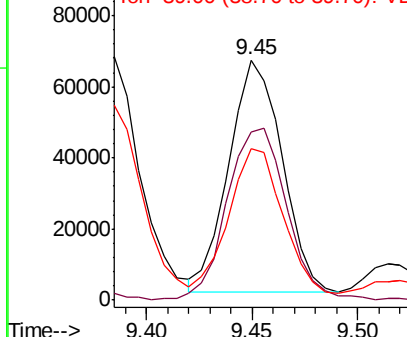
Lab File: VD066554.D

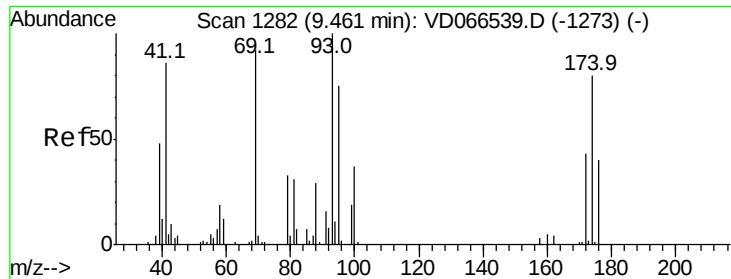
Acq: 04 Sep 2020 11:01

Tgt Ion:	41	Resp:	113467
Ion Ratio	Lower	Upper	
41	100		
69	83.1	64.5	96.7
39	63.4	46.6	69.8



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





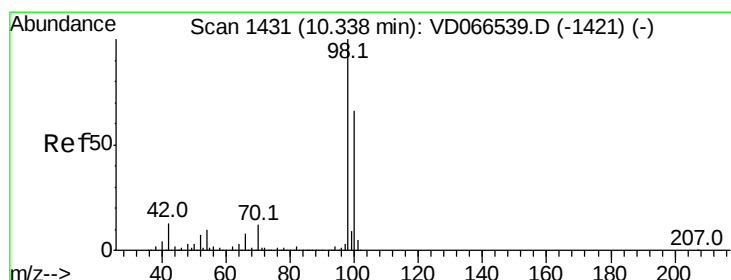
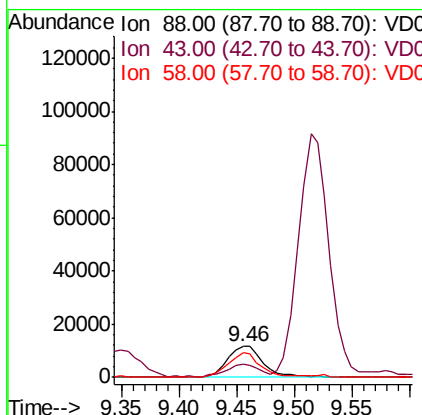
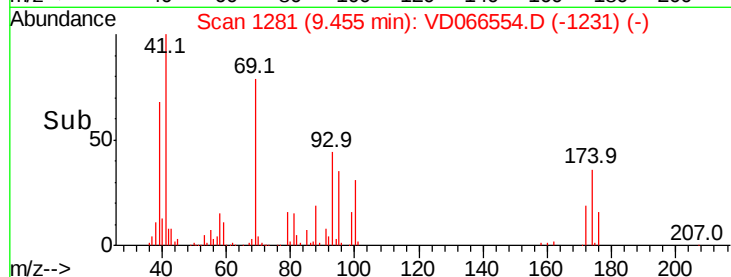
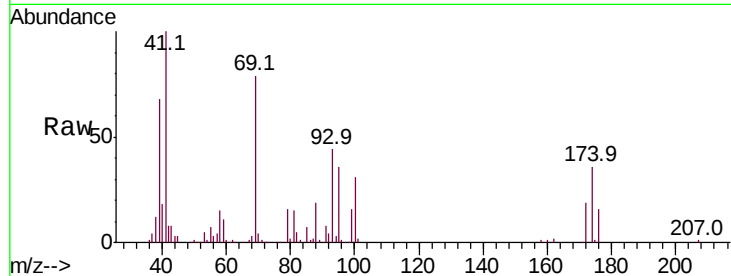
#49
1,4-Dioxane
Concen: 959.135 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD066554.D
Acq: 04 Sep 2020 11:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.9	28.3	42.5
58	71.9	56.1	84.1

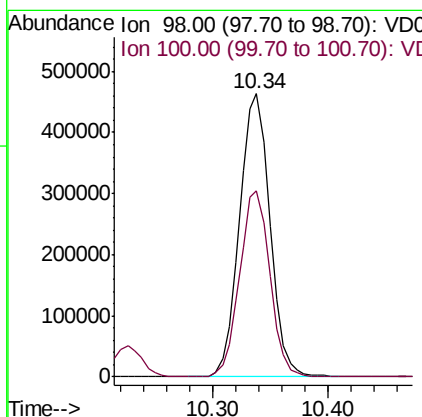
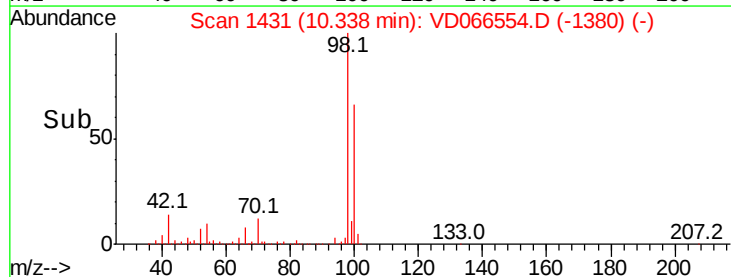
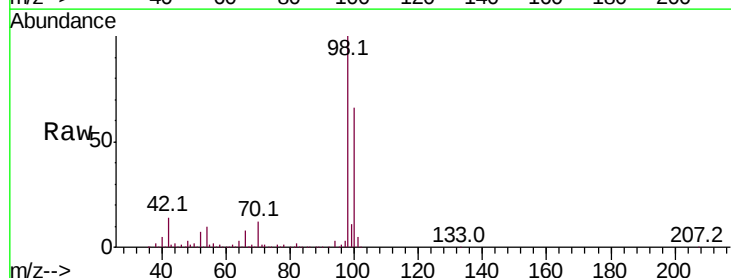
Manual Integrations
APPROVED

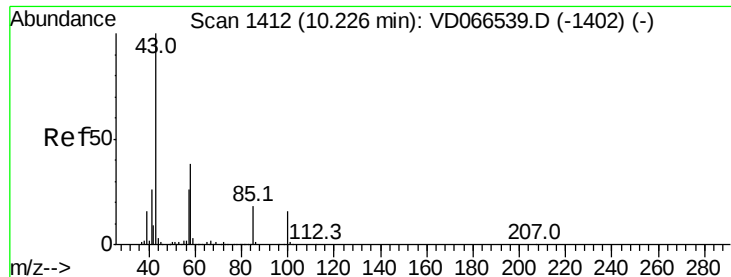
Sam
9/8/2020 5:42:31 PM



#50
Toluene-d8
Concen: 58.590 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066554.D
Acq: 04 Sep 2020 11:01

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 251.544 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. -0.00 min

Lab File: VD066554.D

Acq: 04 Sep 2020 11:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 605182

Ion Ratio Lower Upper

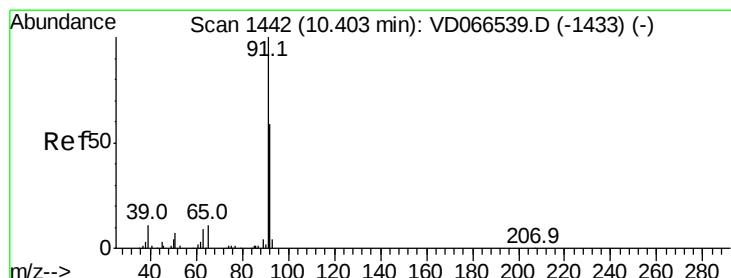
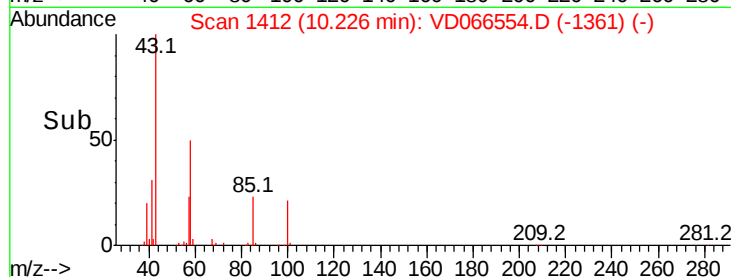
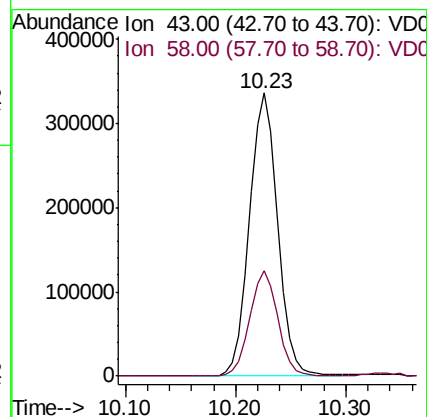
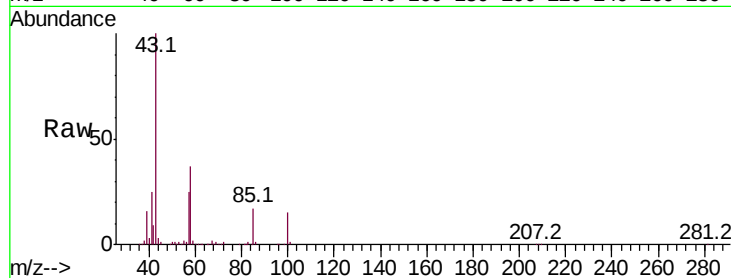
43 100

58 37.0 30.5 45.7

Manual Integrations
APPROVED

sam

9/8/2020 5:42:31 PM



#52

Toluene

Concen: 50.315 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD066554.D

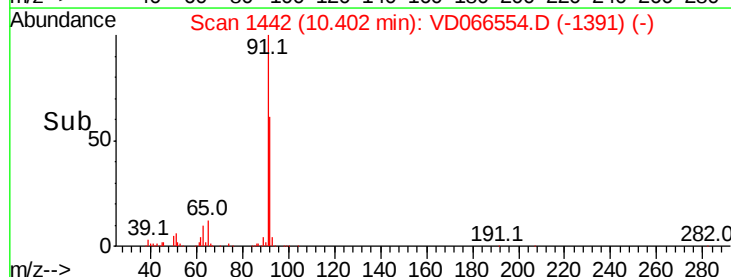
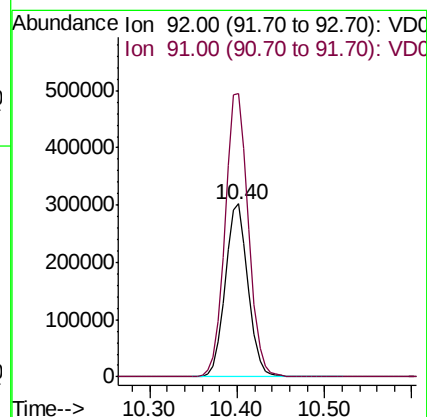
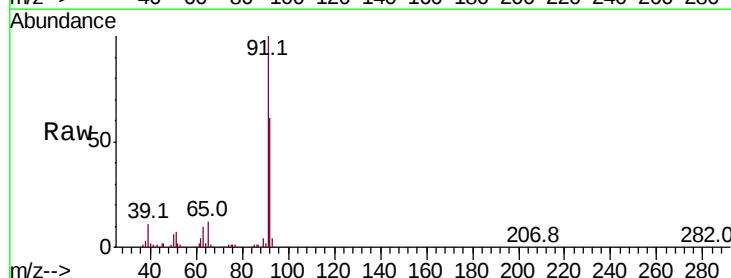
Acq: 04 Sep 2020 11:01

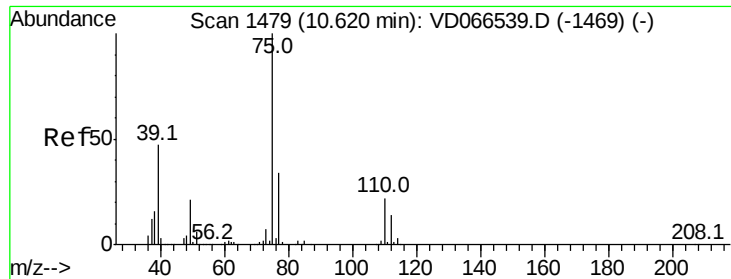
Tgt Ion: 92 Resp: 545303

Ion Ratio Lower Upper

92 100

91 167.7 137.4 206.2





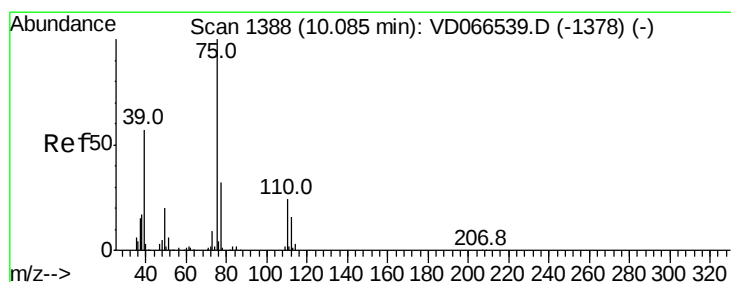
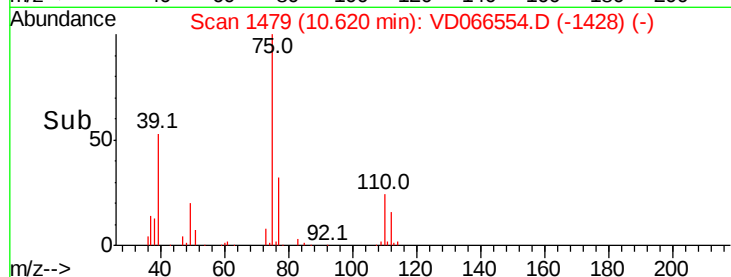
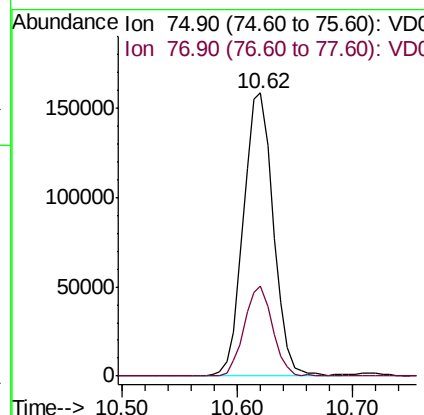
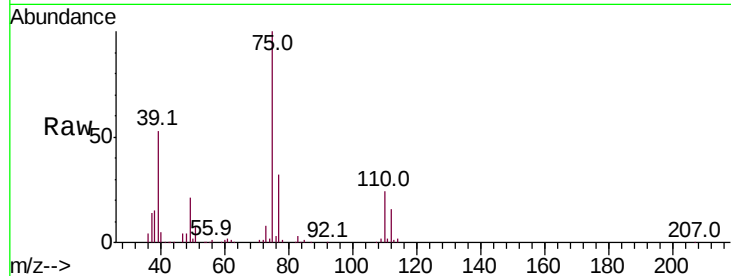
#53
 t-1,3-Dichloropropene
 Concen: 50.335 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. -0.00 min
 Lab File: VD066554.D
 Acq: 04 Sep 2020 11:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	27.4	41.2

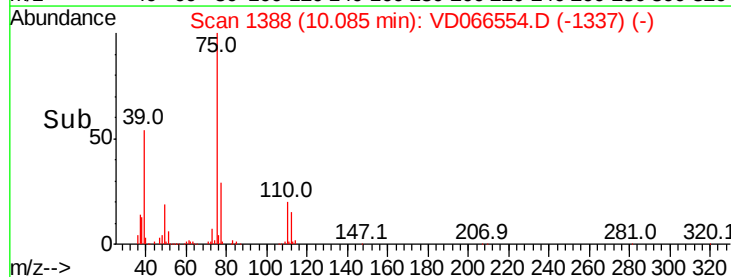
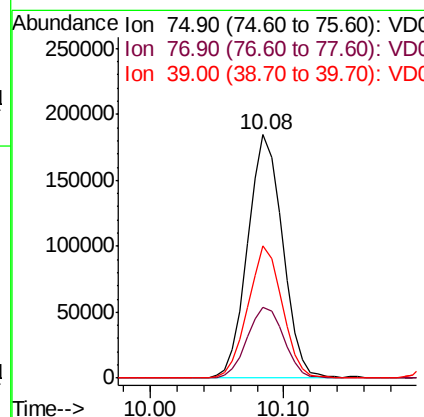
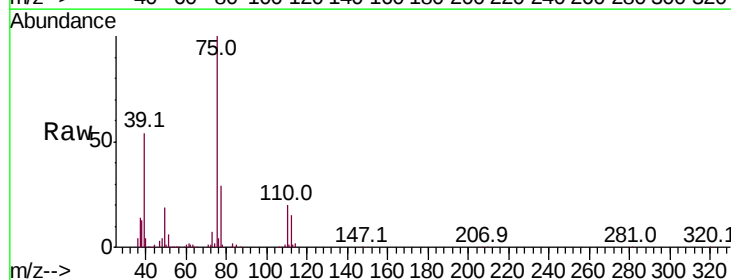
Manual Integrations
 APPROVED

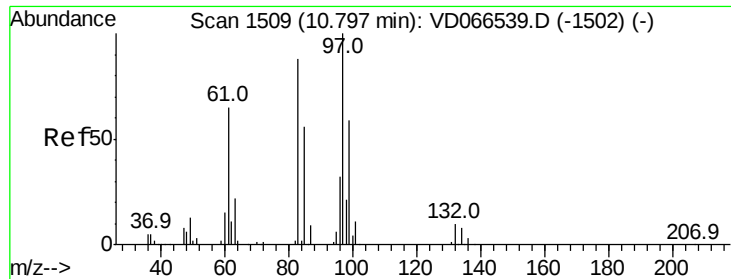
sam
 9/8/2020 5:42:31 PM



#54
 cis-1,3-Dichloropropene
 Concen: 49.021 ug/l
 RT: 10.08 min Scan# 1388
 Delta R.T. -0.00 min
 Lab File: VD066554.D
 Acq: 04 Sep 2020 11:01

Tgt Ion	Ratio	Lower	Upper
75	100		
77	29.3	25.4	38.0
39	54.1	45.4	68.0





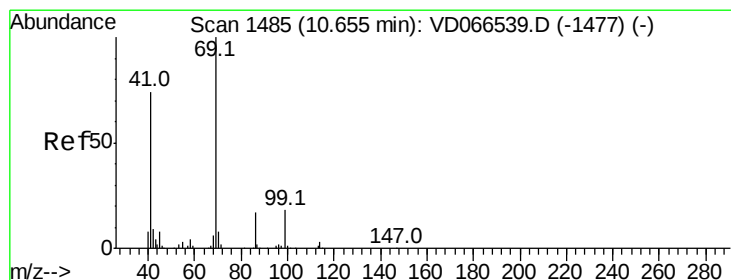
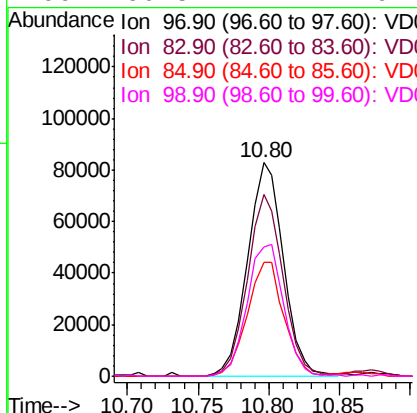
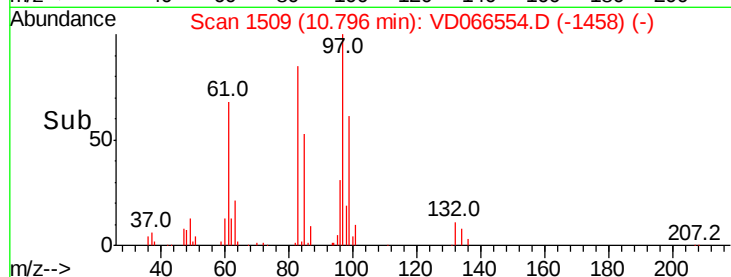
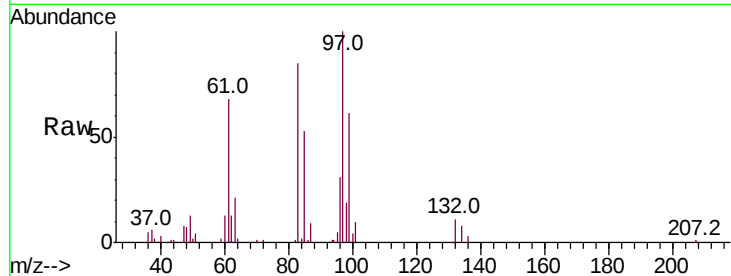
#55
 1,1,2-Trichloroethane
 Concen: 48.491 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.00 min
 Lab File: VD066554.D
 Acq: 04 Sep 2020 11:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	97	Resp	148105
Ion	Ratio	Lower	Upper
97	100		
83	84.8	70.1	105.1
85	53.3	44.5	66.7
99	60.5	47.1	70.7

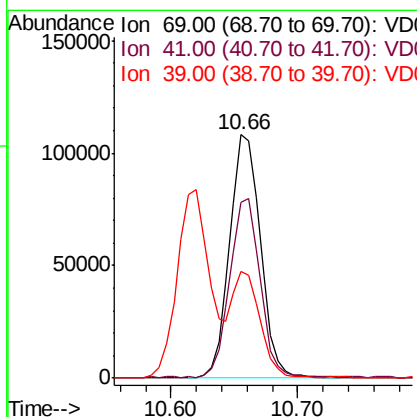
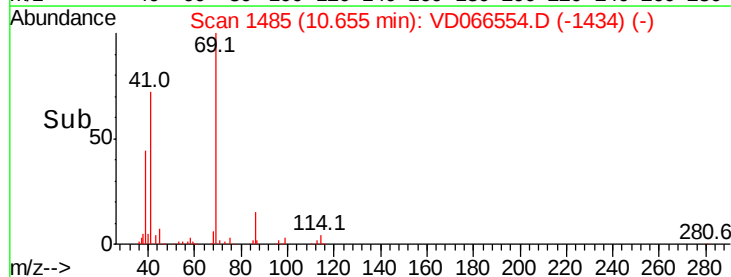
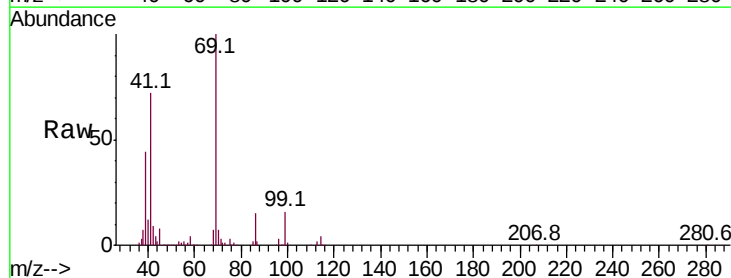
Manual Integrations
 APPROVED

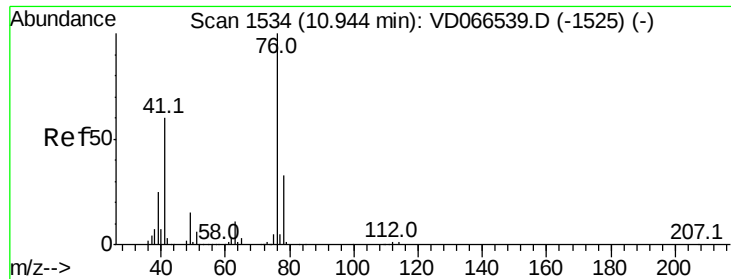
sam
 9/8/2020 5:42:31 PM



#56
 Ethyl methacrylate
 Concen: 51.250 ug/l
 RT: 10.66 min Scan# 1485
 Delta R.T. -0.00 min
 Lab File: VD066554.D
 Acq: 04 Sep 2020 11:01

Tgt Ion	69	Resp	182256
Ion	Ratio	Lower	Upper
69	100		
41	72.0	56.8	85.2
39	38.1	30.6	46.0





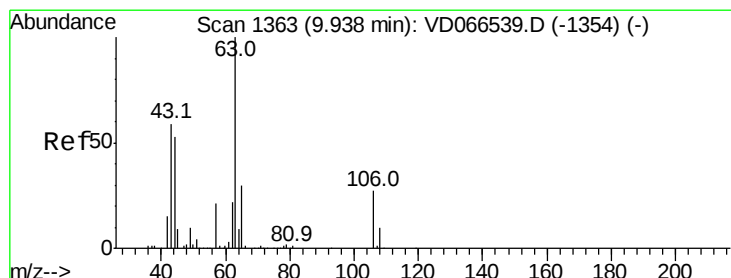
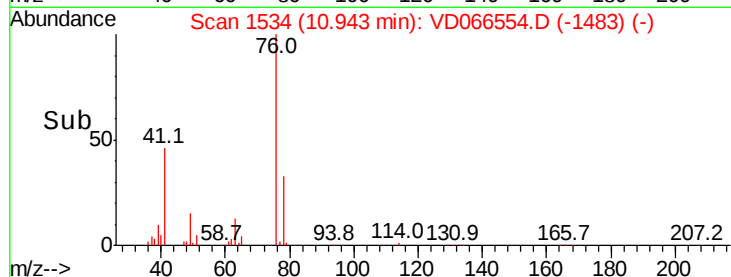
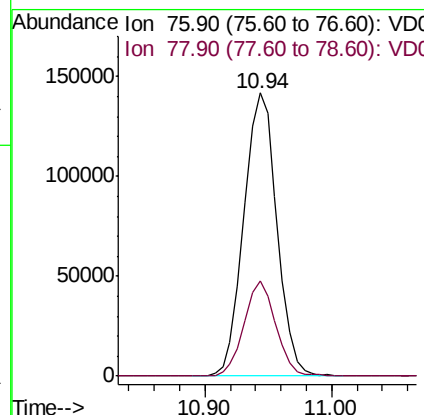
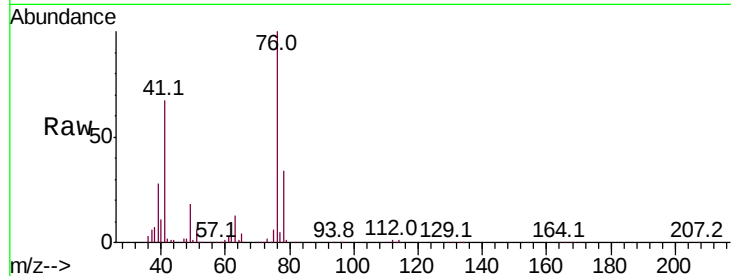
#57
 1,3-Dichloropropane
 Concen: 47.999 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VD066554.D
 Acq: 04 Sep 2020 11:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 256787
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.8 38.8

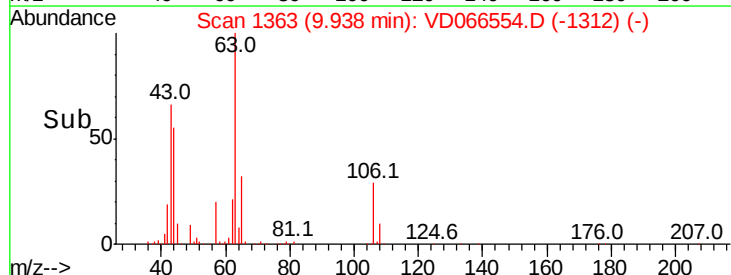
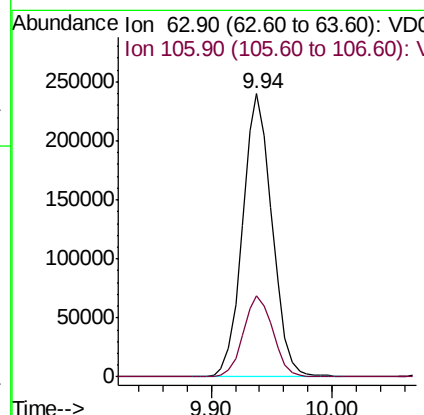
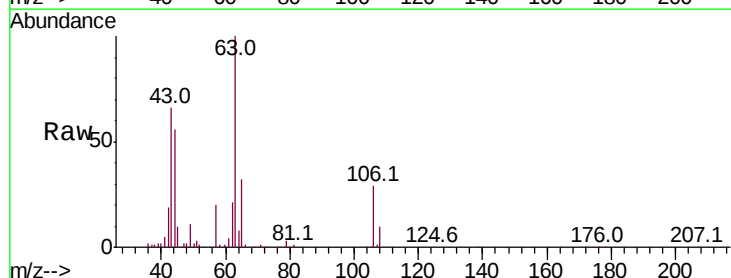
Manual Integrations
 APPROVED

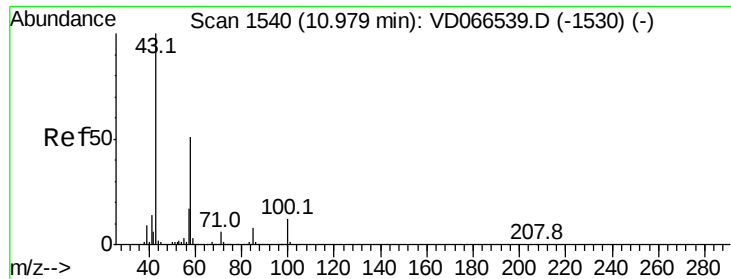
sam
 9/8/2020 5:42:31 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 250.816 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VD066554.D
 Acq: 04 Sep 2020 11:01

Tgt Ion: 63 Resp: 407978
 Ion Ratio Lower Upper
 63 100
 106 28.8 22.0 33.0





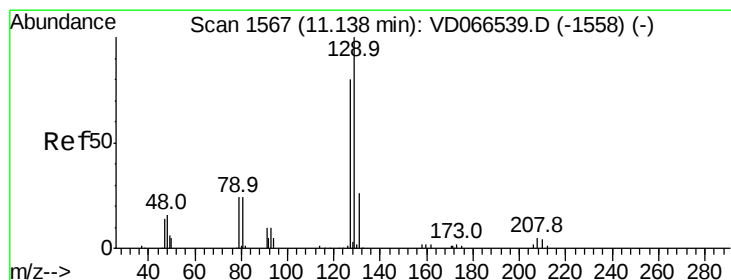
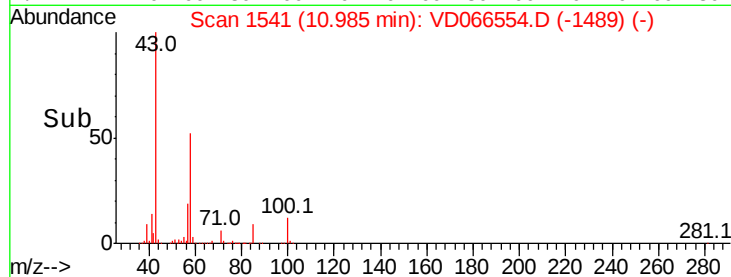
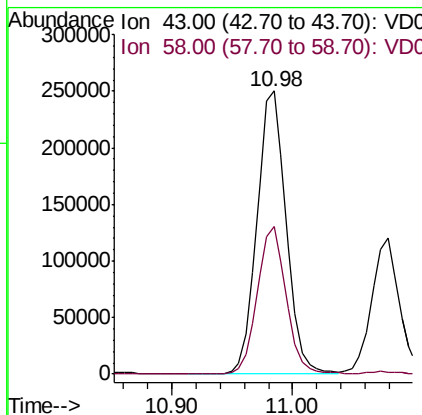
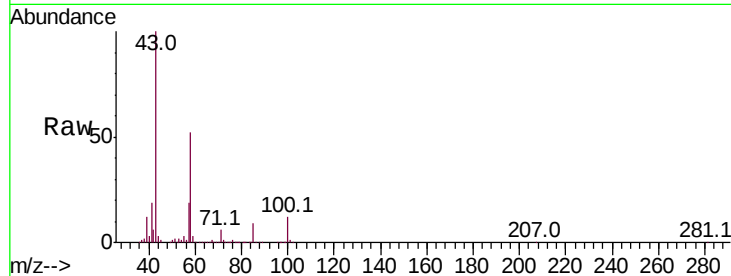
#59
2-Hexanone
Concen: 261.558 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.01 min
Lab File: VD066554.D
Acq: 04 Sep 2020 11:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 423175
Ion Ratio Lower Upper
43 100
58 51.5 25.6 76.8

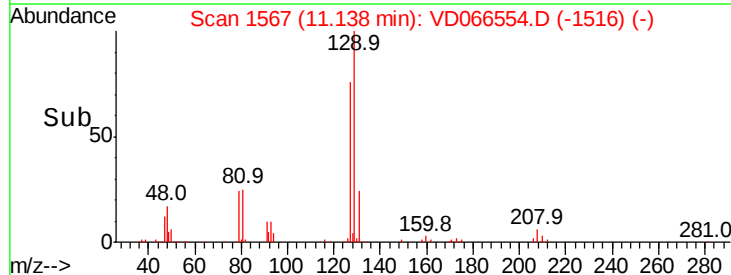
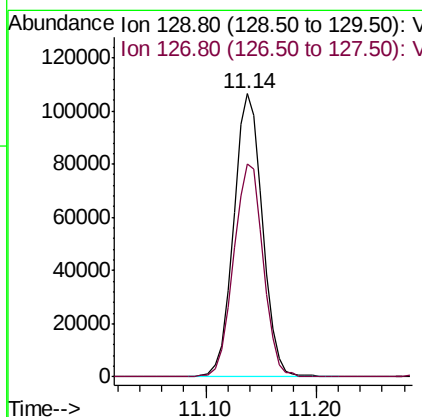
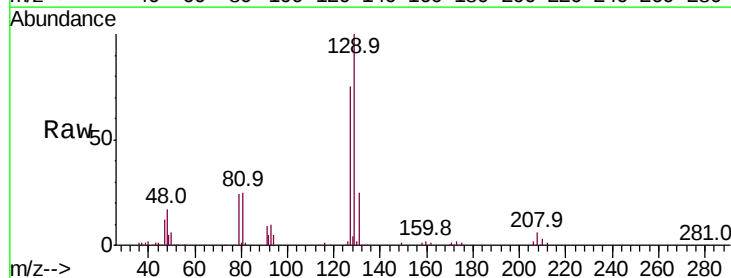
Manual Integrations
APPROVED

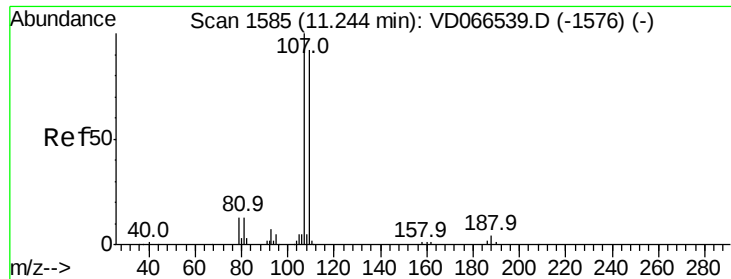
sam
9/8/2020 5:42:31 PM



#60
Dibromochloromethane
Concen: 48.210 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VD066554.D
Acq: 04 Sep 2020 11:01

Tgt Ion: 129 Resp: 194712
Ion Ratio Lower Upper
129 100
127 77.1 39.5 118.3





#61

1,2-Dibromoethane

Concen: 47.022 ug/l

RT: 11.24 min Scan# 1585

Delta R.T. -0.00 min

Lab File: VD066554.D

Acq: 04 Sep 2020 11:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 139724

Ion Ratio Lower Upper

107 100

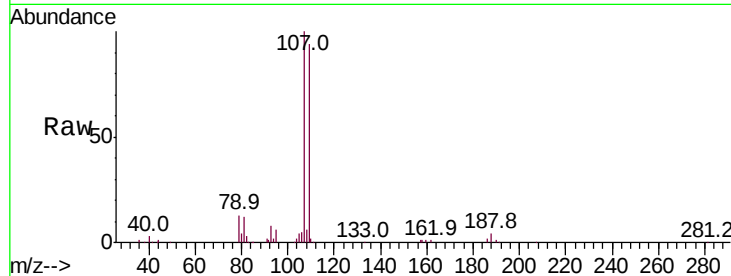
109 93.6 74.4 111.6

Manual Integrations

APPROVED

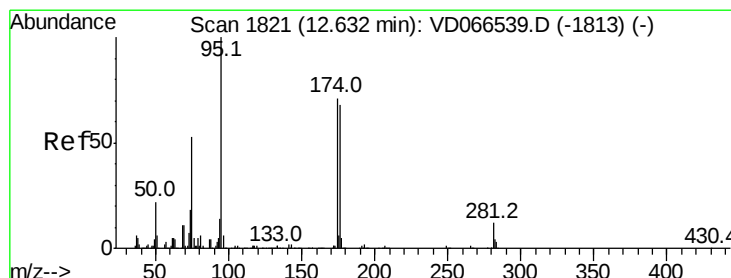
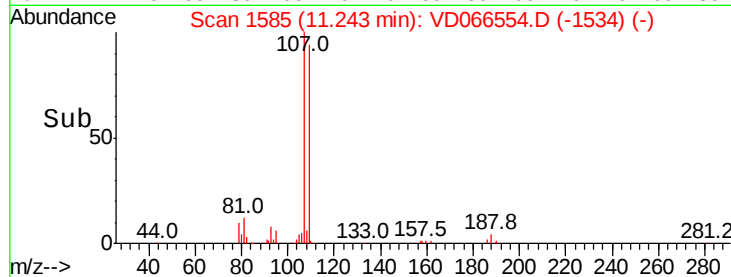
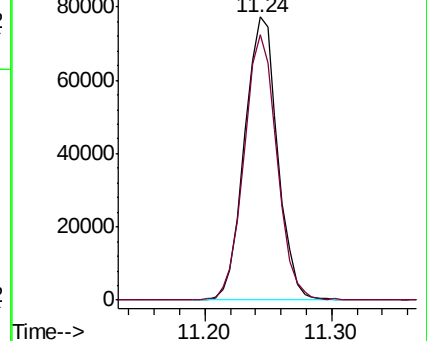
sam

9/8/2020 5:42:31 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 57.529 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD066554.D

Acq: 04 Sep 2020 11:01

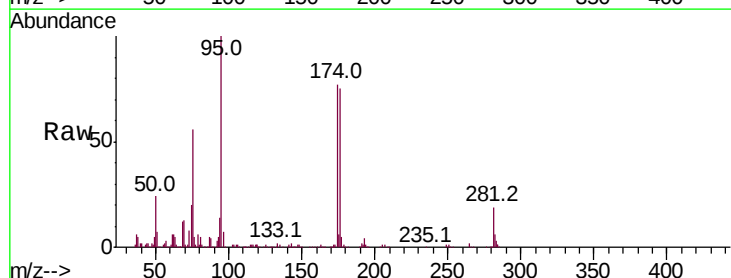
Tgt Ion: 95 Resp: 276292

Ion Ratio Lower Upper

95 100

174 76.2 0.0 155.8

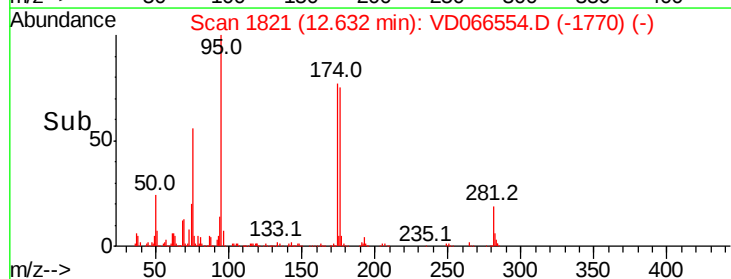
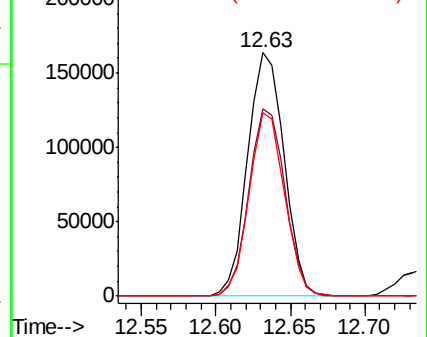
176 73.4 0.0 148.6

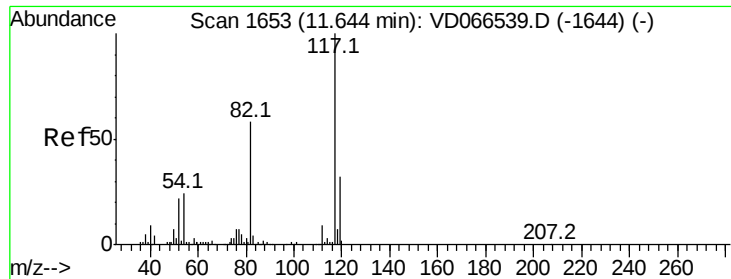


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





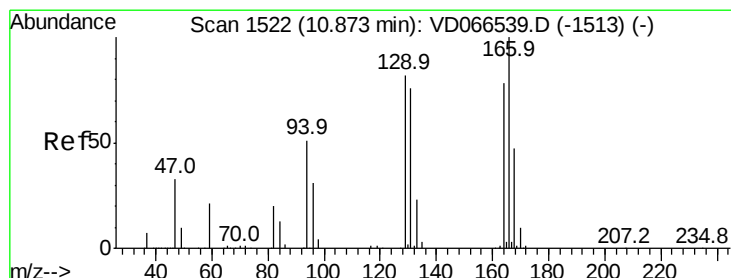
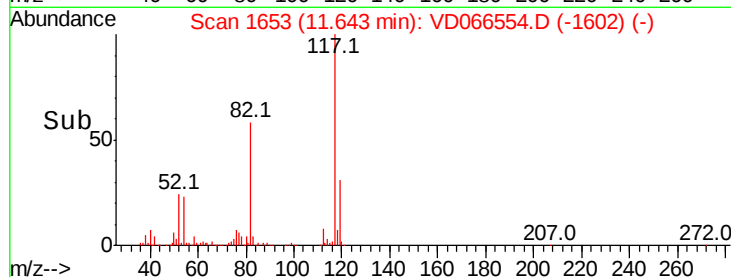
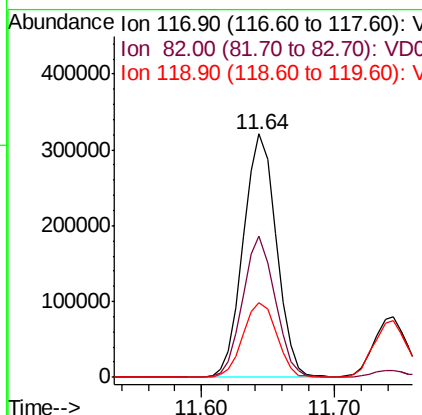
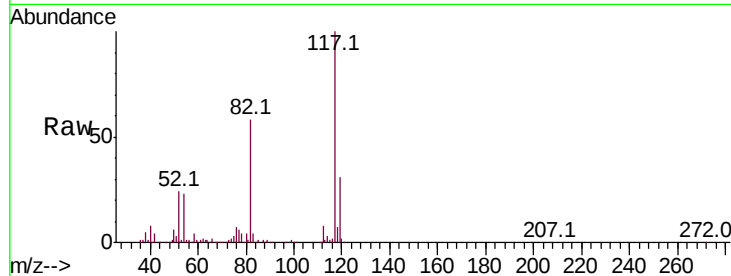
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066554.D
Acq: 04 Sep 2020 11:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.0	46.2	69.2
119	30.7	25.8	38.8

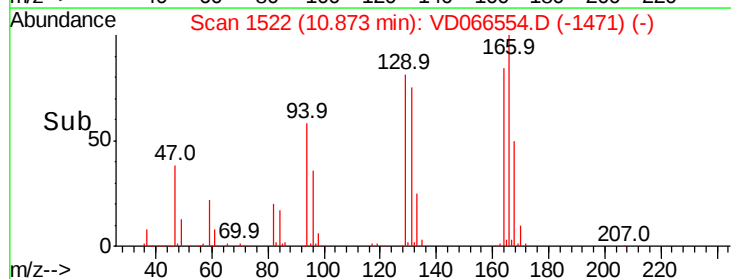
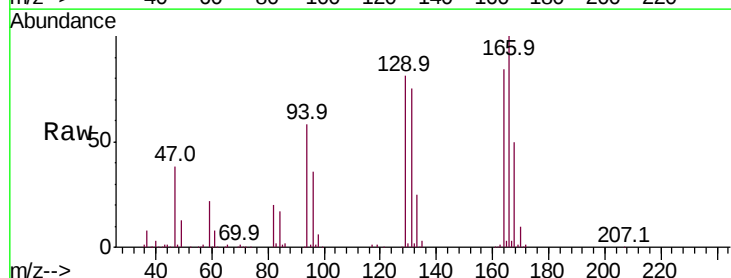
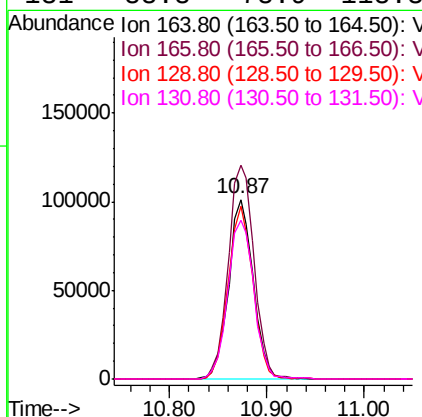
Manual Integrations
APPROVED

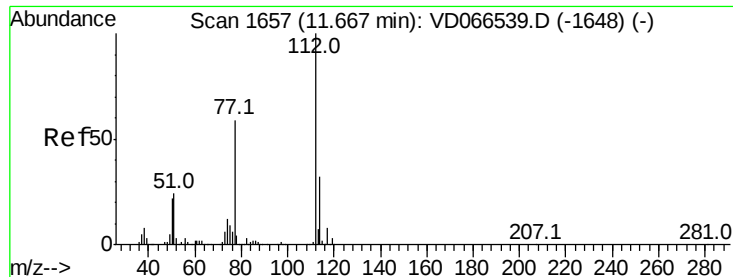
sam
9/8/2020 5:42:31 PM



#64
Tetrachloroethene
Concen: 47.891 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD066554.D
Acq: 04 Sep 2020 11:01

Tgt Ion	Ratio	Lower	Upper
164	100		
166	118.9	103.2	154.8
129	96.4	84.5	126.7
131	88.8	78.9	118.3





#65

Chlorobenzene

Concen: 47.781 ug/l

RT: 11.67 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VD066554.D

Acq: 04 Sep 2020 11:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 542786

Ion Ratio Lower Upper

112 100

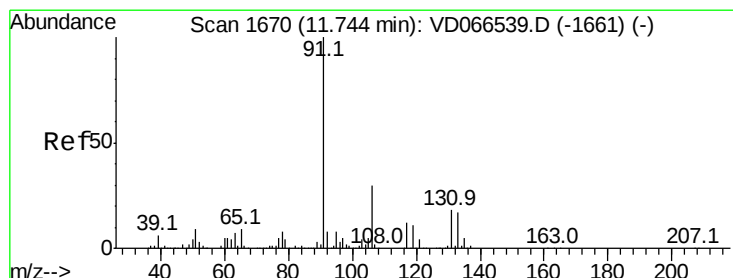
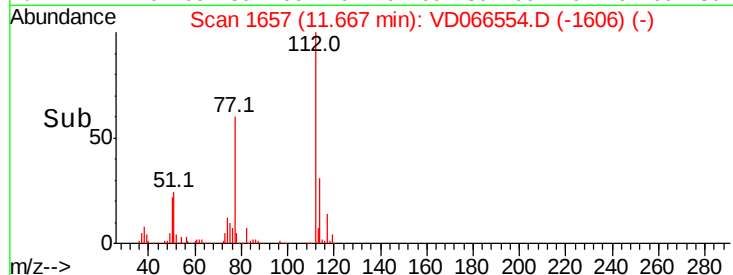
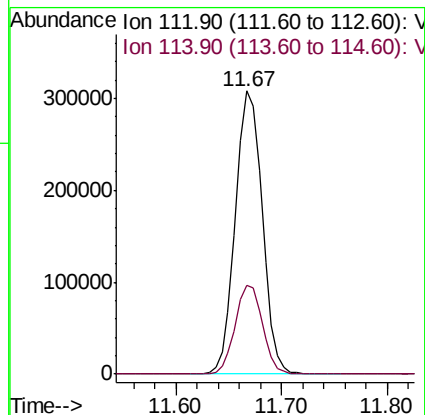
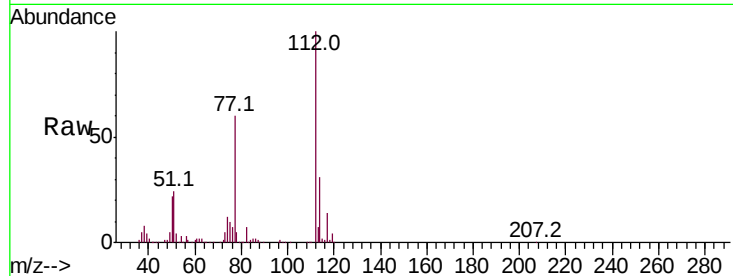
114 31.4 25.7 38.5

Manual Integrations

APPROVED

sam

9/8/2020 5:42:31 PM



#66

1,1,1,2-Tetrachloroethane

Concen: 47.247 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD066554.D

Acq: 04 Sep 2020 11:01

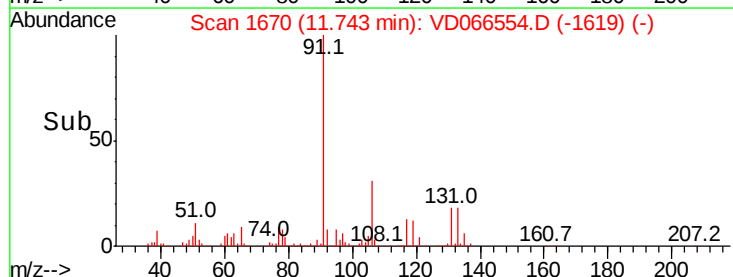
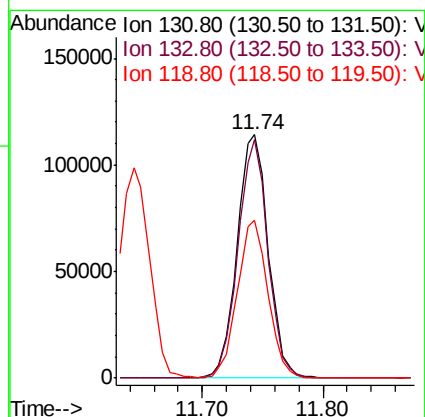
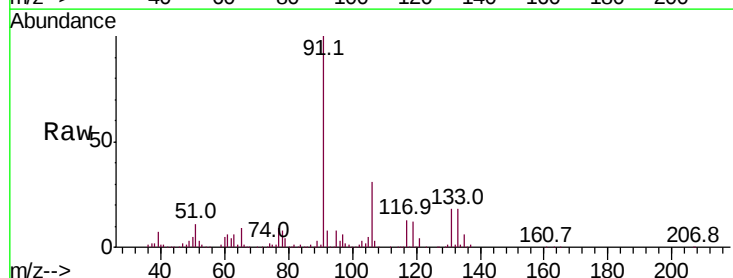
Tgt Ion:131 Resp: 204838

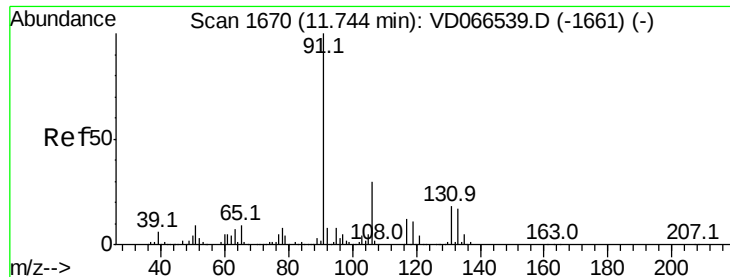
Ion Ratio Lower Upper

131 100

133 94.3 46.7 140.0

119 64.0 31.9 95.7





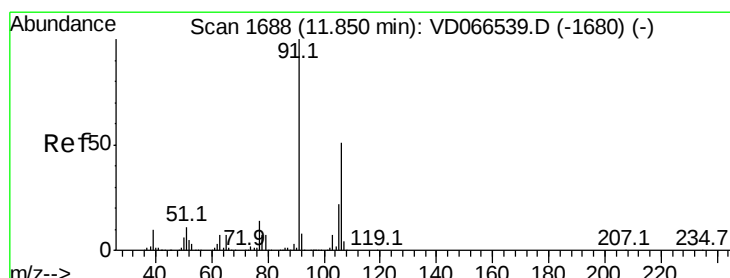
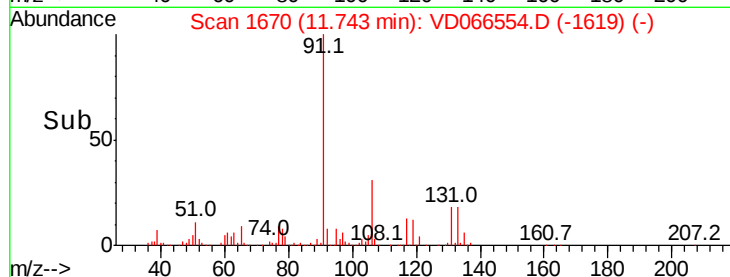
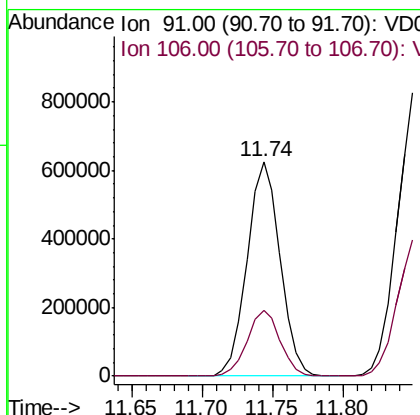
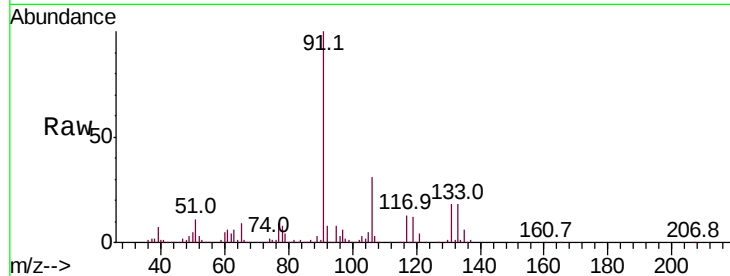
#67
Ethyl Benzene
Concen: 49.286 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD066554.D
Acq: 04 Sep 2020 11:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1028042
Ion Ratio Lower Upper
91 100
106 30.5 24.3 36.5

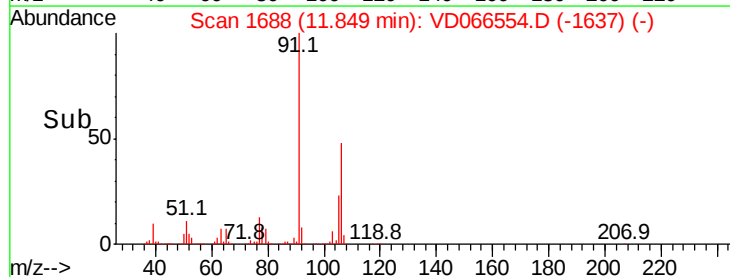
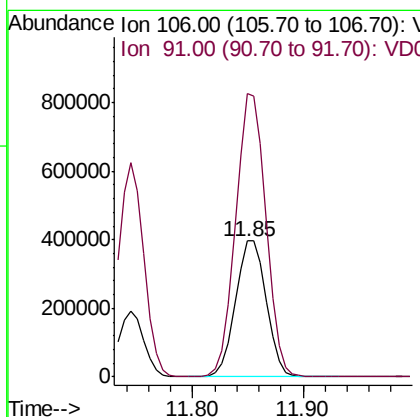
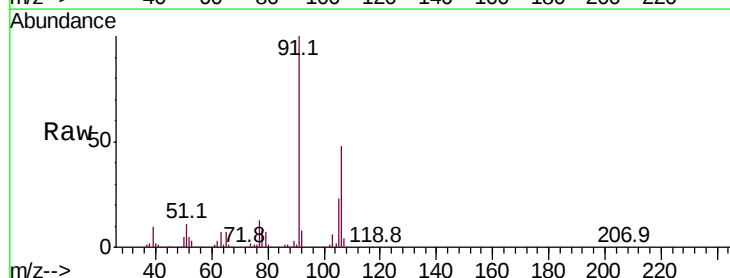
Manual Integrations
APPROVED

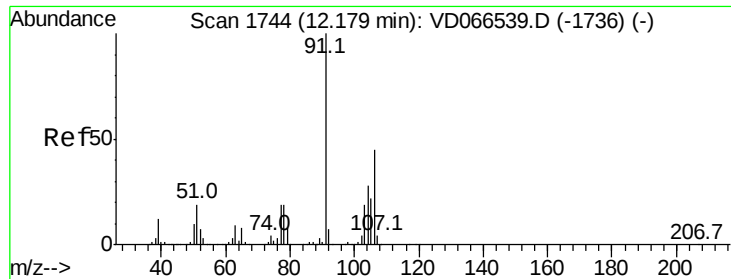
Sam
9/8/2020 5:42:31 PM



#68
m/p-Xylenes
Concen: 100.665 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VD066554.D
Acq: 04 Sep 2020 11:01

Tgt Ion: 106 Resp: 779644
Ion Ratio Lower Upper
106 100
91 205.0 162.4 243.6





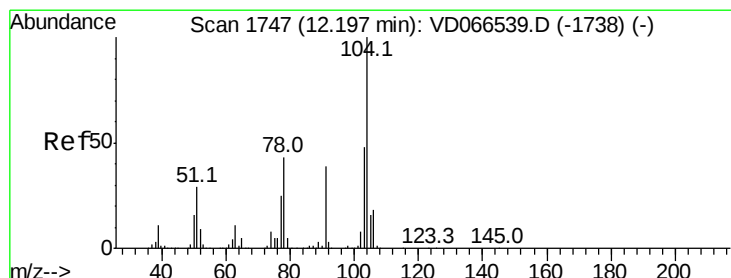
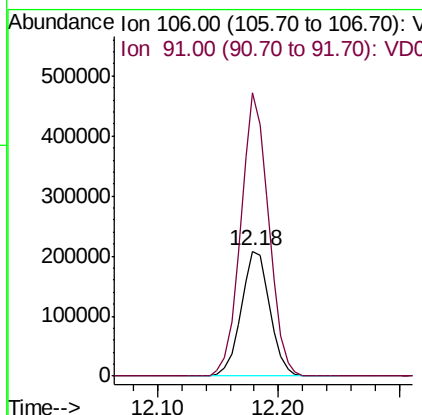
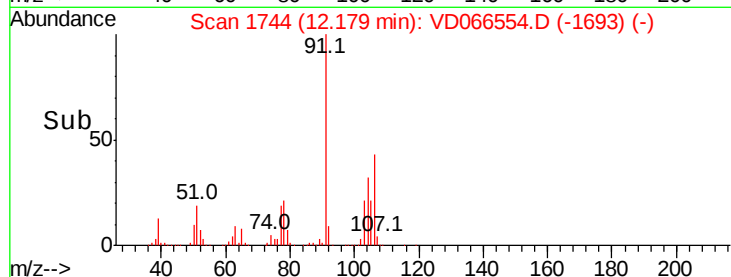
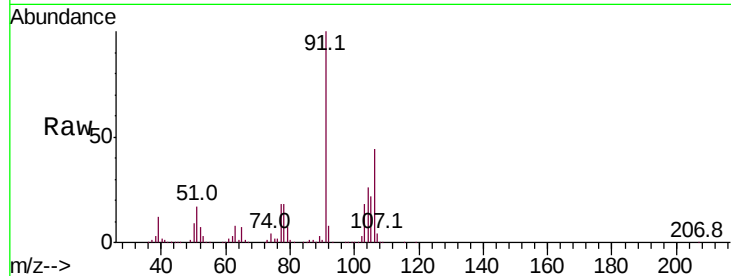
#69
o-Xylene
Concen: 49.686 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD066554.D
Acq: 04 Sep 2020 11:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	219.9	107.9	323.8

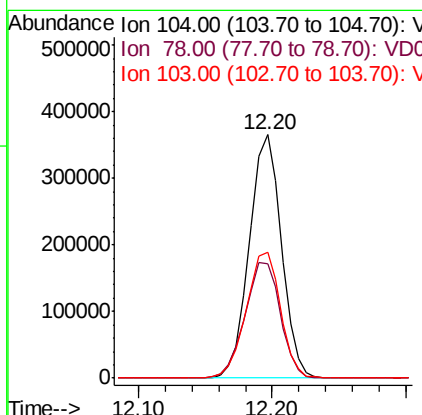
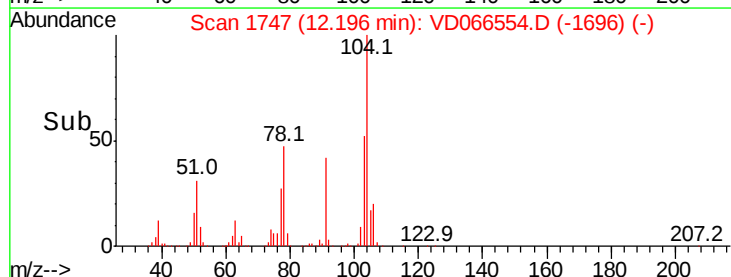
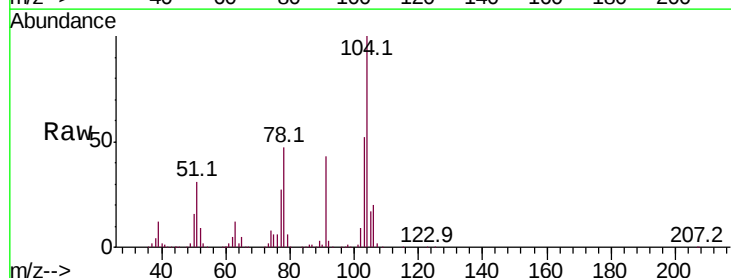
Manual Integrations
APPROVED

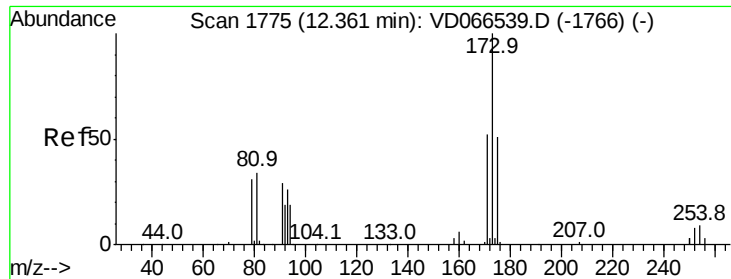
sam
9/8/2020 5:42:31 PM



#70
Styrene
Concen: 50.136 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD066554.D
Acq: 04 Sep 2020 11:01

Tgt Ion	Ratio	Lower	Upper
104	100		
78	52.7	40.7	61.1
103	55.5	42.9	64.3





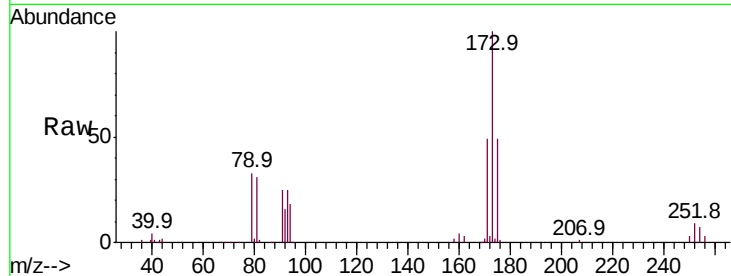
#71
Bromoform
Concen: 45.873 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.00 min
Lab File: VD066554.D
Acq: 04 Sep 2020 11:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	52.6	24.2	72.6
254	0.0	0.0	0.0

Manual Integrations
APPROVED

sam
9/8/2020 5:42:31 PM

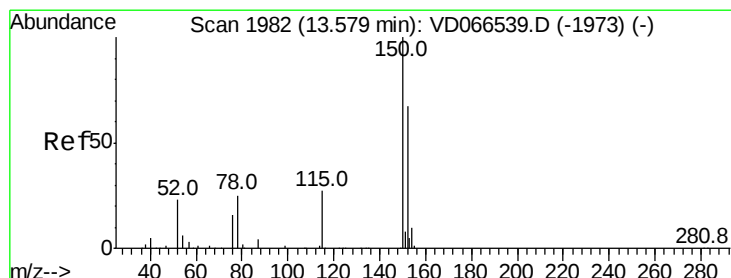
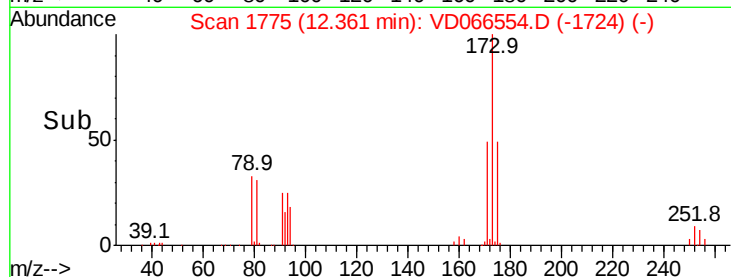
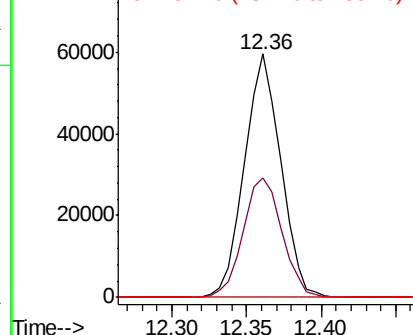


Abundance

Ion 172.70 (172.40 to 173.40): V

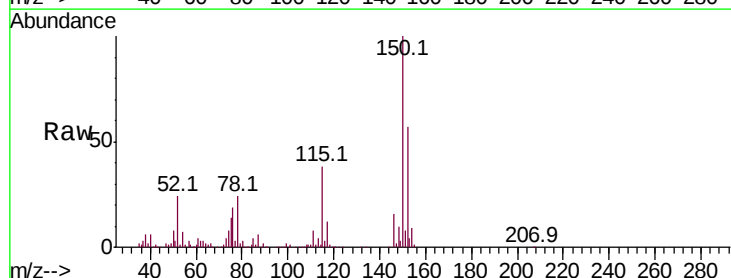
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066554.D
Acq: 04 Sep 2020 11:01

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.3	30.4	91.2
150	179.5	0.0	345.8

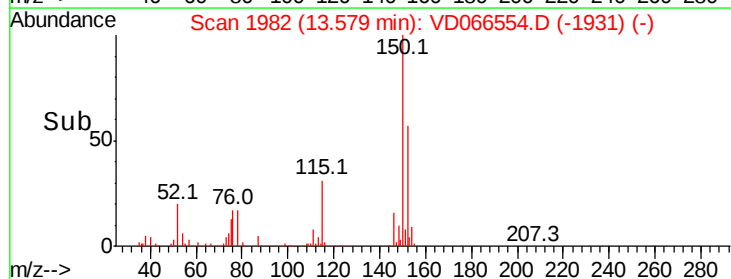
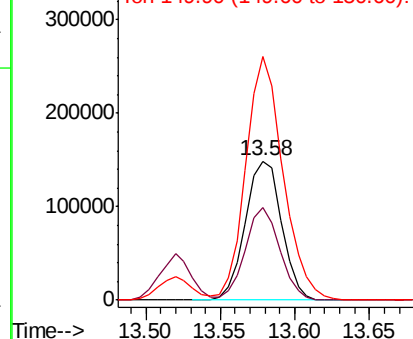


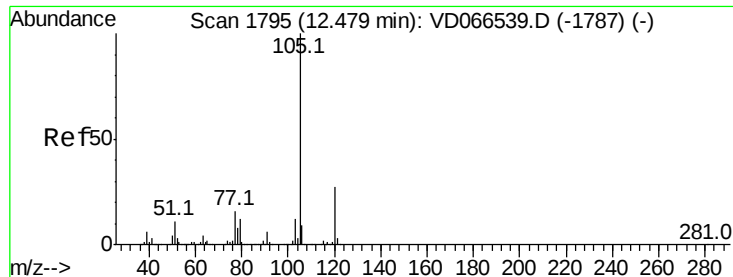
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.841 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD066554.D

Acq: 04 Sep 2020 11:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 979368

Ion Ratio Lower Upper

105 100

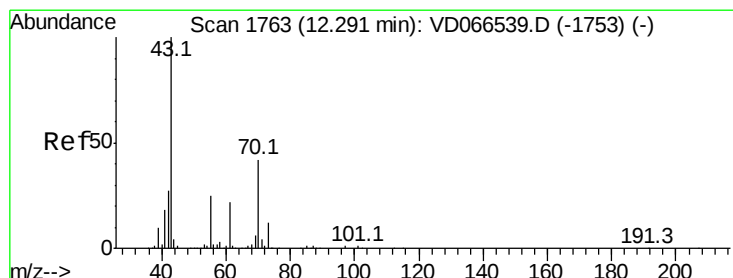
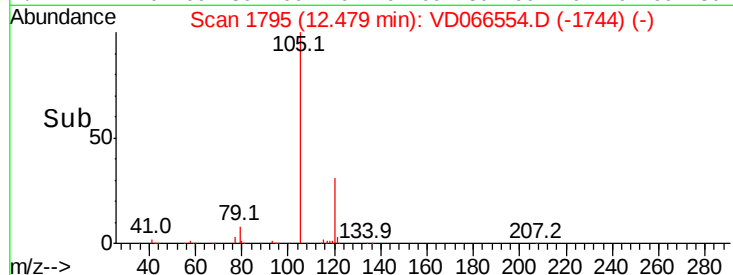
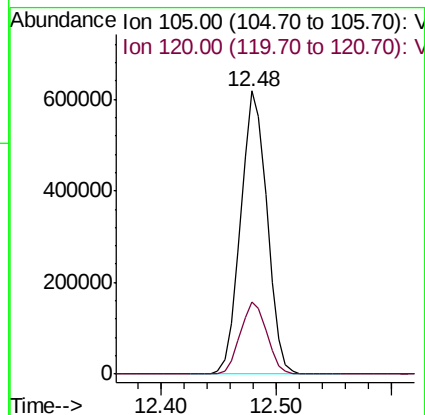
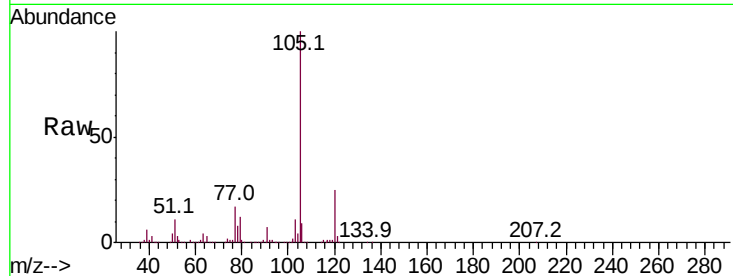
120 25.6 13.0 39.0

Manual Integrations

APPROVED

sam

9/8/2020 5:42:31 PM



#74

N-ethyl acetate

Concen: 49.906 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD066554.D

Acq: 04 Sep 2020 11:01

Tgt Ion: 43 Resp: 209496

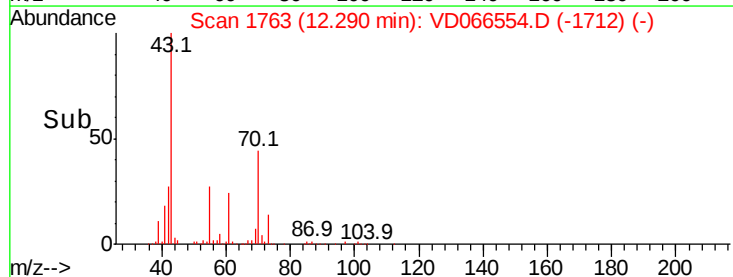
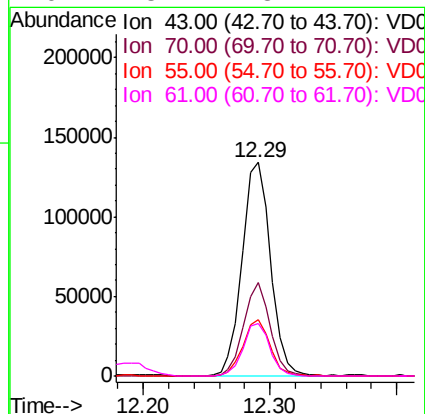
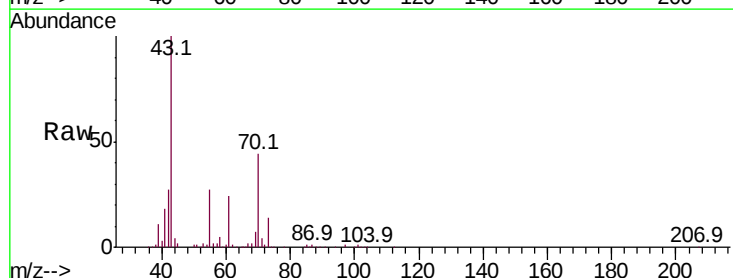
Ion Ratio Lower Upper

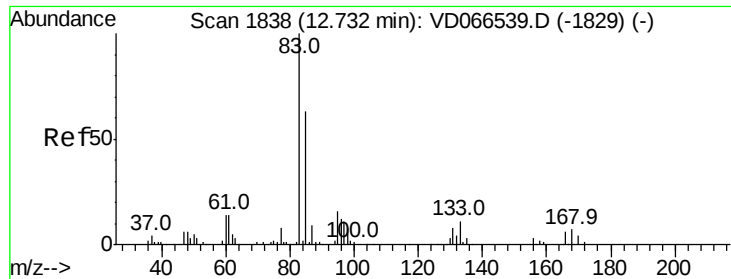
43 100

70 40.5 33.4 50.2

55 25.2 20.1 30.1

61 23.1 18.2 27.2





#75

1,1,2,2-Tetrachloroethane

Concen: 48.137 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD066554.D

Acq: 04 Sep 2020 11:01

Instrument :

MSVOA_D

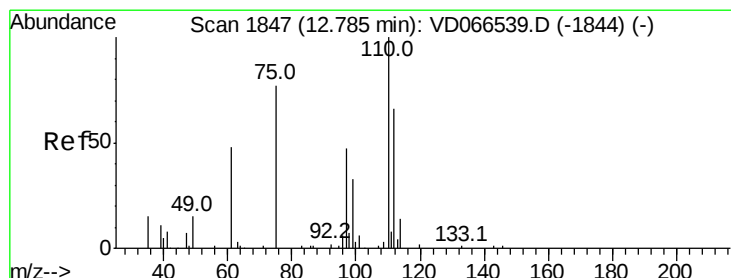
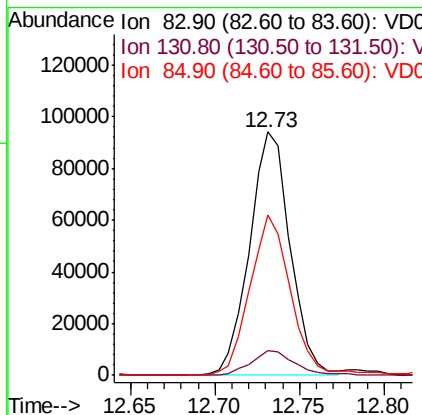
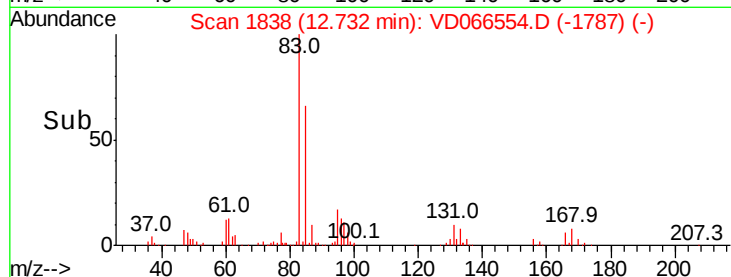
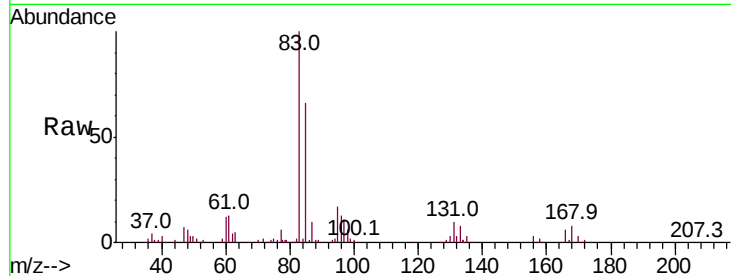
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	157618
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.0	15.0
85	66.4	32.1	96.3

Manual Integrations
APPROVED

sam
9/8/2020 5:42:31 PM



#76

1,2,3-Trichloropropane

Concen: 46.133 ug/l m

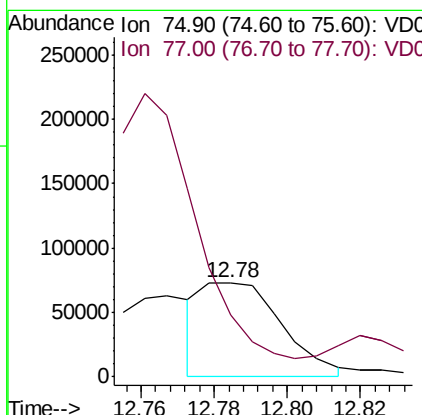
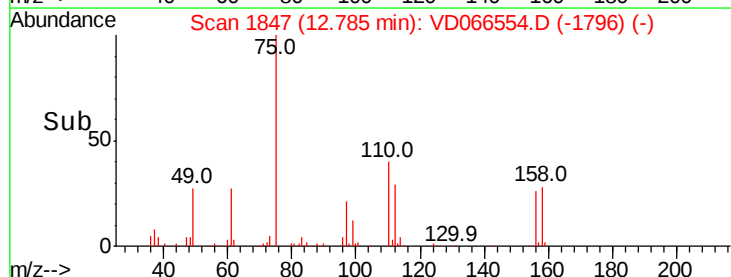
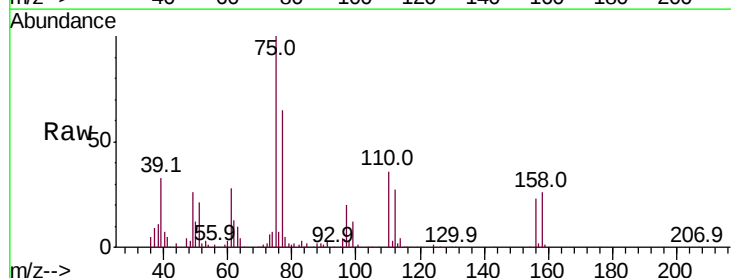
RT: 12.78 min Scan# 1847

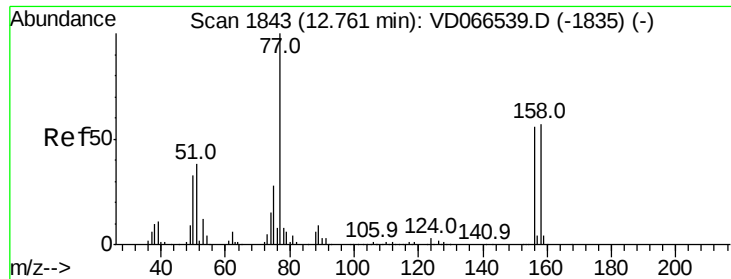
Delta R.T. -0.00 min

Lab File: VD066554.D

Acq: 04 Sep 2020 11:01

Tgt Ion:	75	Resp:	111065
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 51.197 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD066554.D

Acq: 04 Sep 2020 11:01

Instrument :

MSVOA_D

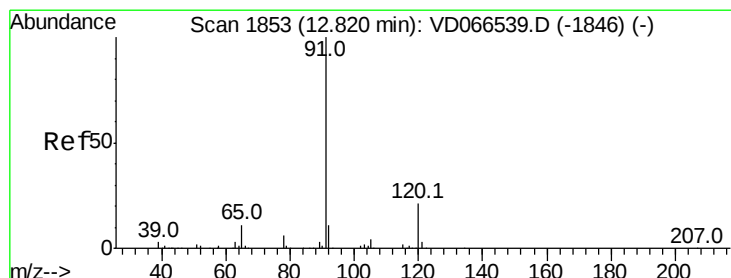
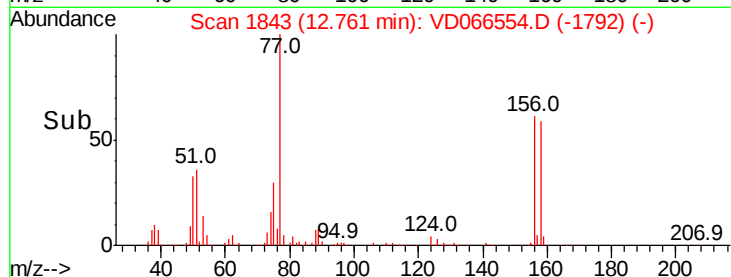
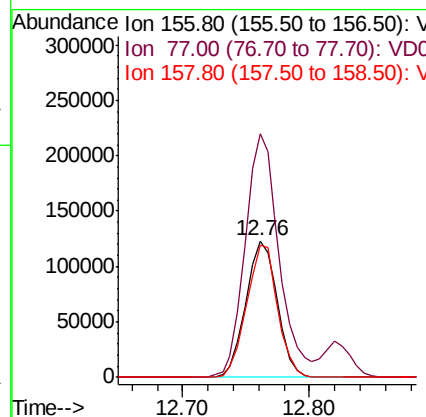
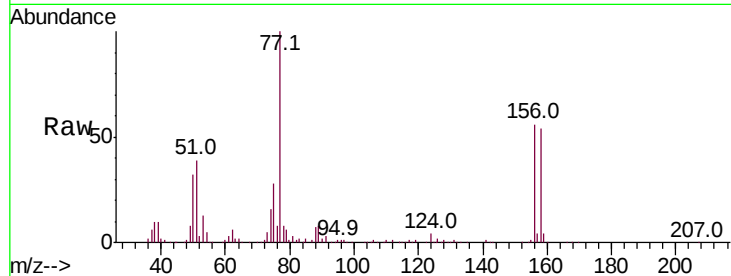
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	211552
Ion Ratio	Lower	Upper	
156	100		
77	192.7	98.0	294.1
158	95.5	48.1	144.3

Manual Integrations
APPROVED

sam
9/8/2020 5:42:31 PM



#78

n-propylbenzene

Concen: 53.058 ug/l

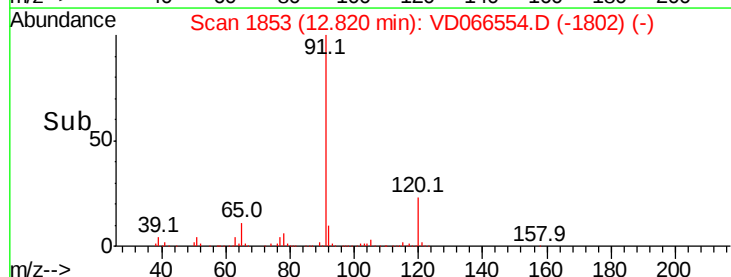
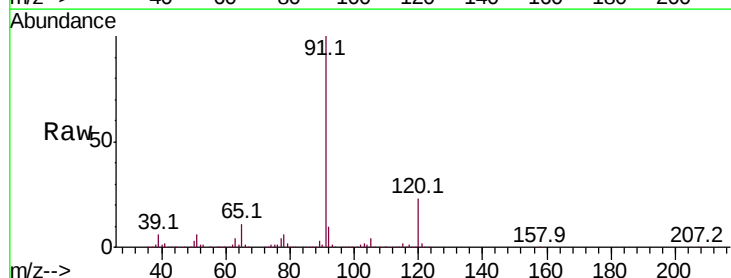
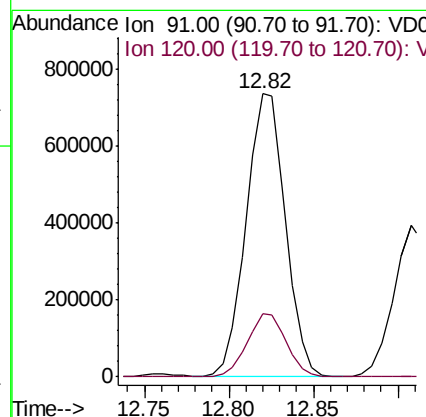
RT: 12.82 min Scan# 1853

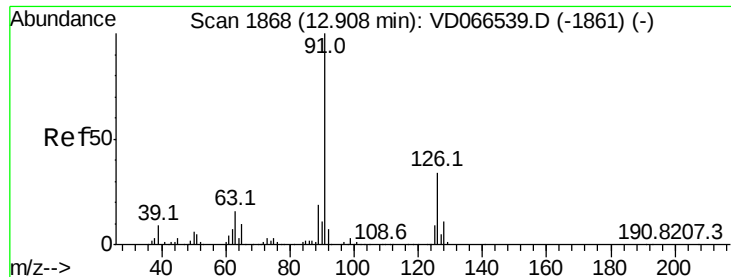
Delta R.T. -0.00 min

Lab File: VD066554.D

Acq: 04 Sep 2020 11:01

Tgt Ion:	91	Resp:	1192120
Ion Ratio	Lower	Upper	
91	100		
120	22.1	11.1	33.1





#79

2-Chlorotoluene

Concen: 51.648 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.00 min

Lab File: VD066554.D

Acq: 04 Sep 2020 11:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 650999

Ion Ratio Lower Upper

91 100

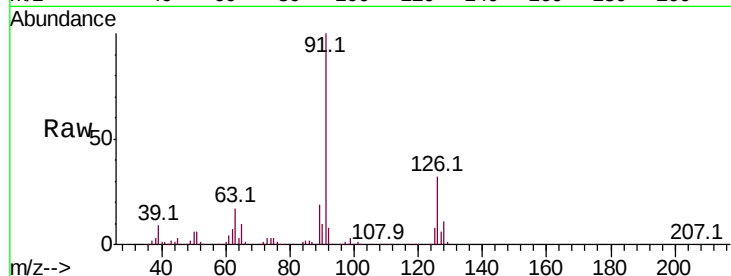
126 32.7 16.4 49.4

Manual Integrations

APPROVED

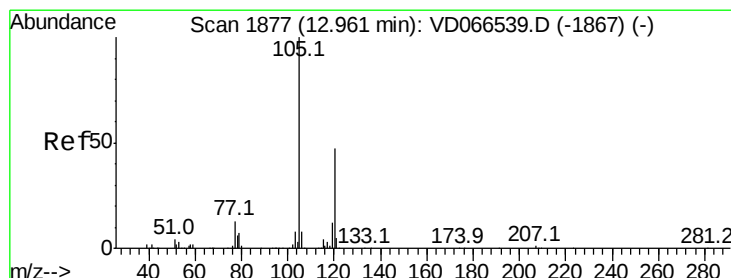
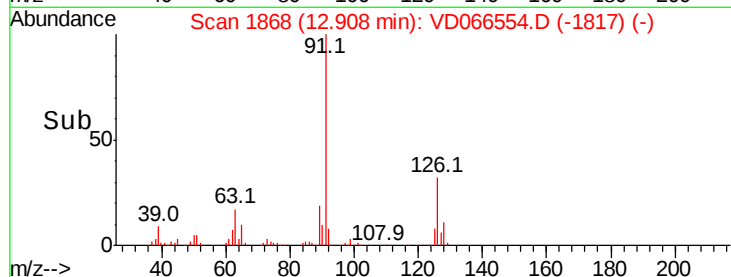
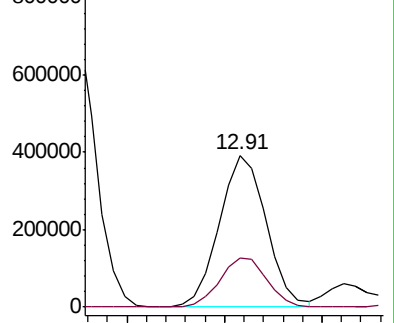
sam

9/8/2020 5:42:31 PM



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 52.159 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VD066554.D

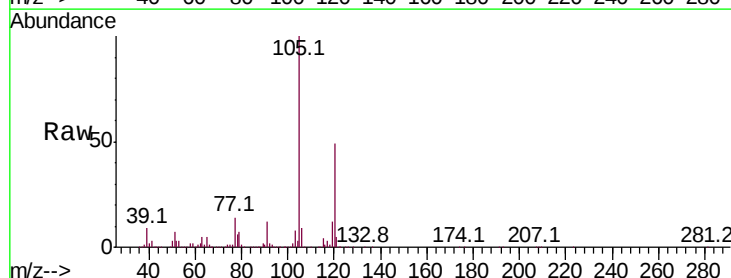
Acq: 04 Sep 2020 11:01

Tgt Ion:105 Resp: 813659

Ion Ratio Lower Upper

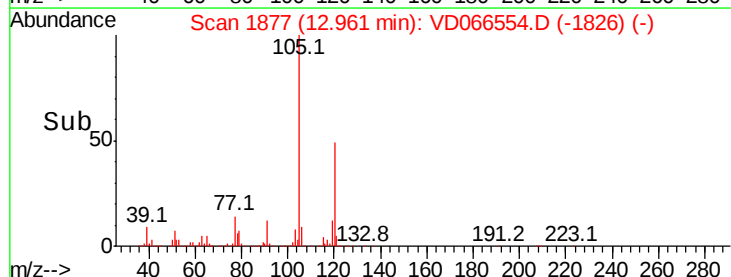
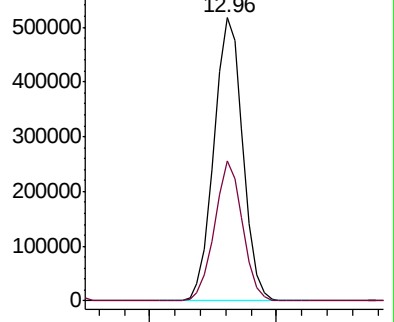
105 100

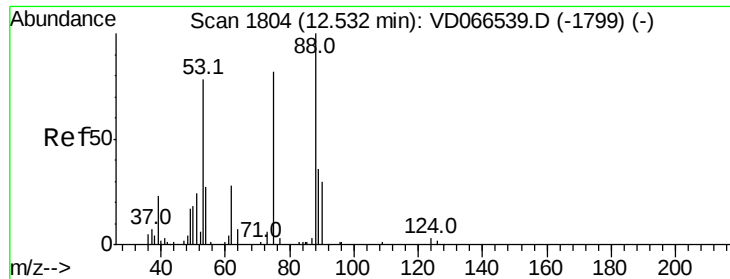
120 48.2 23.9 71.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 49.666 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD066554.D

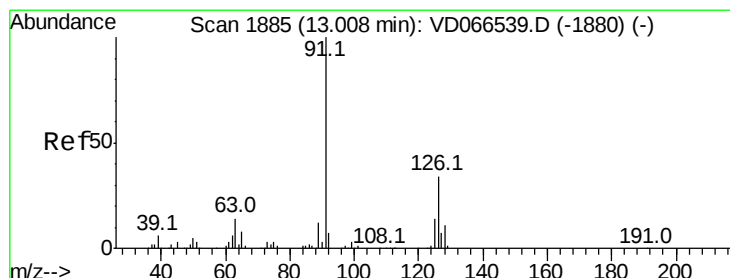
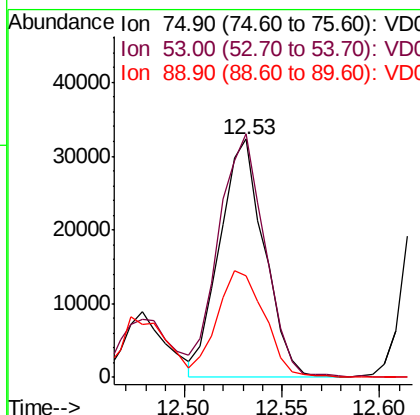
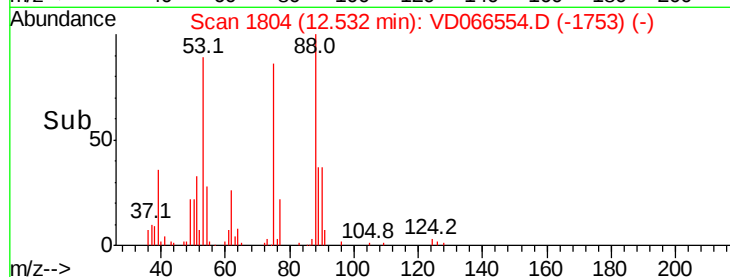
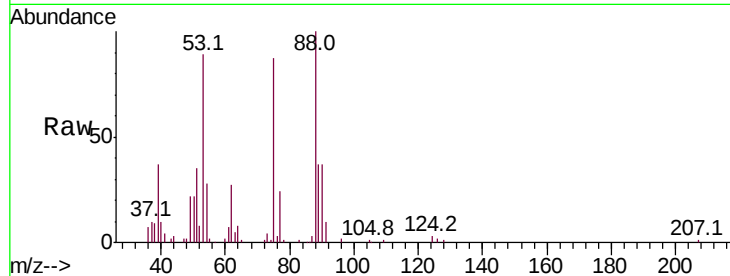
Acq: 04 Sep 2020 11:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	105.7	87.0	130.4
89	47.8	37.1	55.7

Manual Integrations
APPROVED

sam
9/8/2020 5:42:31 PM



#82

4-Chlorotoluene

Concen: 51.123 ug/l

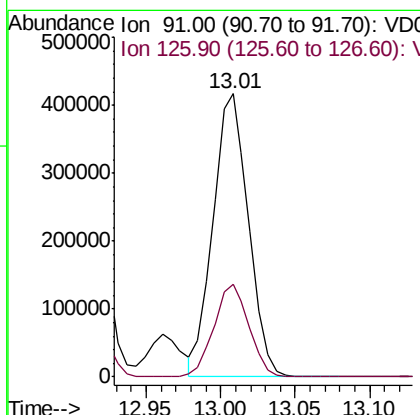
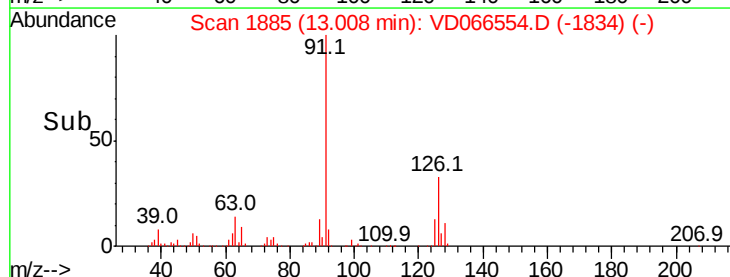
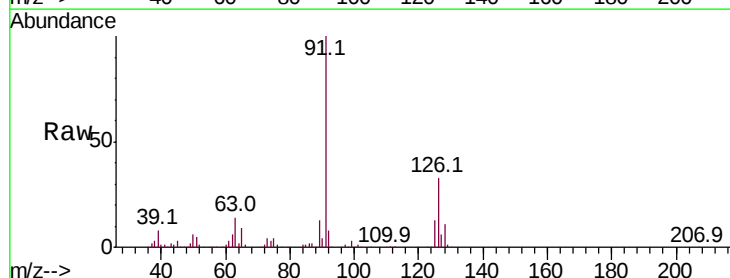
RT: 13.01 min Scan# 1885

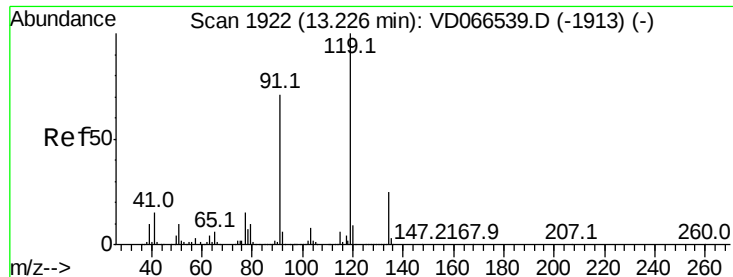
Delta R.T. -0.00 min

Lab File: VD066554.D

Acq: 04 Sep 2020 11:01

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.6	16.4	49.1





#83

tert-Butylbenzene

Concen: 52.828 ug/l

RT: 13.23 min Scan# 1922

Delta R.T. -0.00 min

Lab File: VD066554.D

Acq: 04 Sep 2020 11:01

Instrument :

MSVOA_D

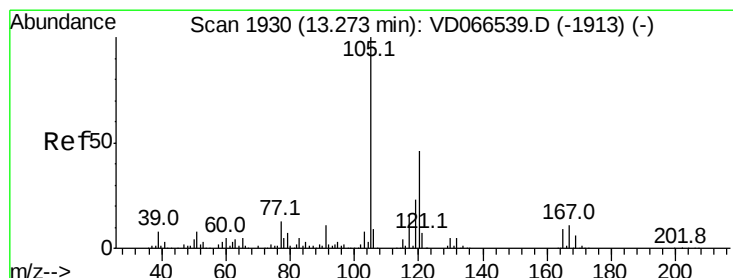
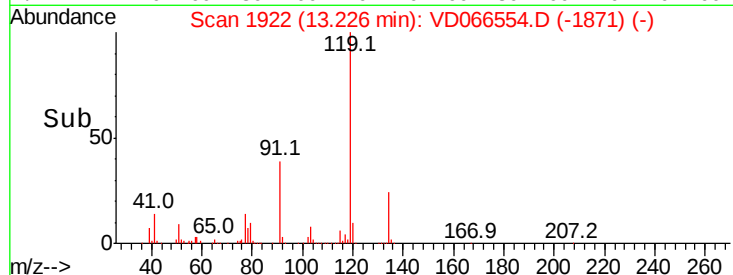
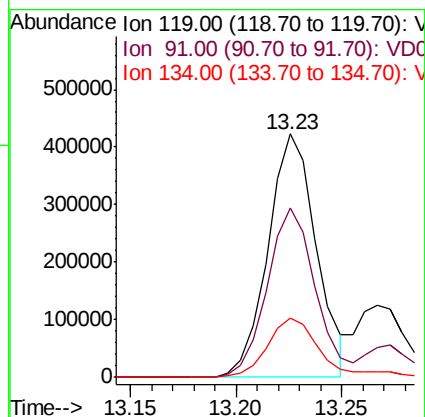
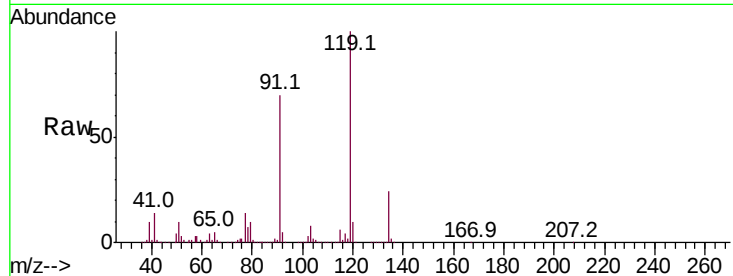
ClientSampleId :

VSTDCCC050

Tot Ion:	119	Resp:	672967
Ion Ratio	Lower	Upper	
119	100		
91	69.6	35.2	105.6
134	26.8	13.5	40.5

Manual Integrations
APPROVED

sam
9/8/2020 5:42:31 PM



#84

1,2,4-Trimethylbenzene

Concen: 52.969 ug/l

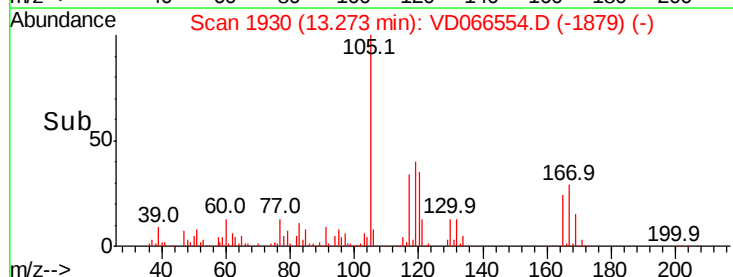
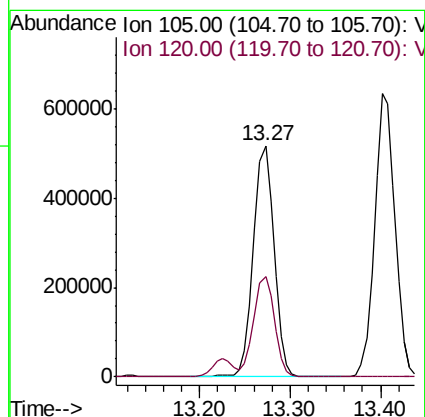
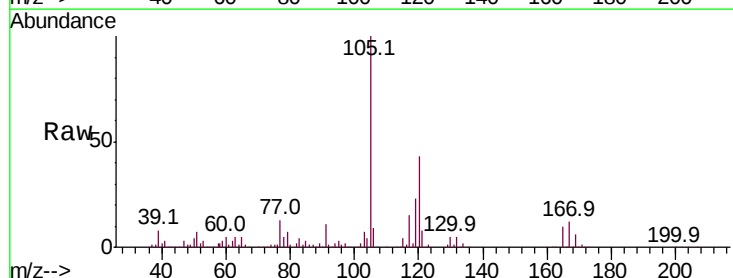
RT: 13.27 min Scan# 1930

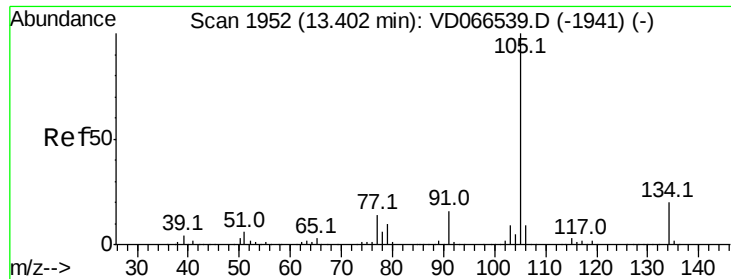
Delta R.T. -0.00 min

Lab File: VD066554.D

Acq: 04 Sep 2020 11:01

Tgt Ion:	105	Resp:	822672
Ion Ratio	Lower	Upper	
105	100		
120	43.7	22.6	67.7





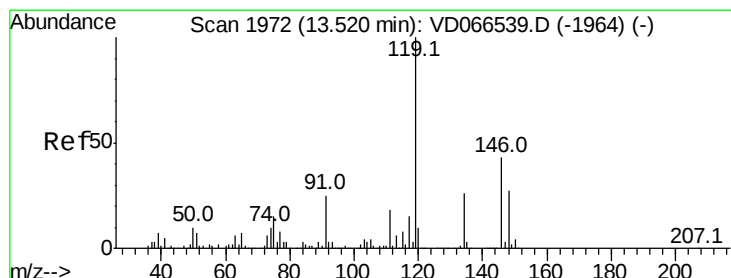
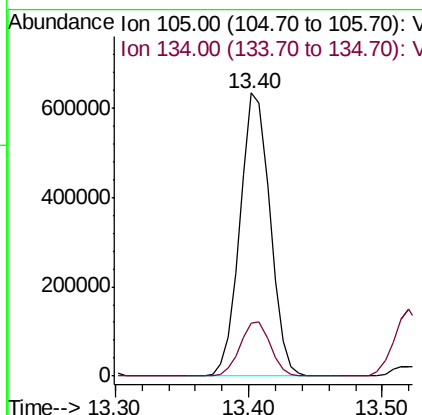
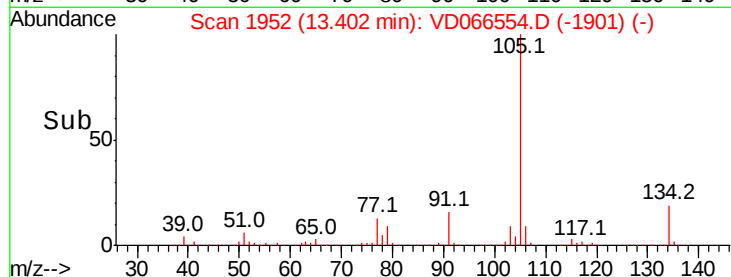
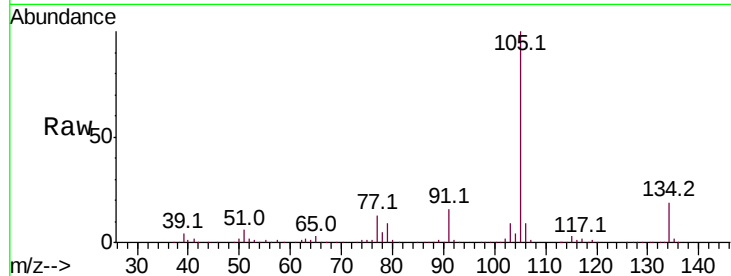
#85
 sec-Butylbenzene
 Concen: 53.754 ug/l
 RT: 13.40 min Scan# 1952
 Delta R.T. -0.00 min
 Lab File: VD066554.D
 Acq: 04 Sep 2020 11:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
105	100	986566		
134	19.4		9.8	29.5

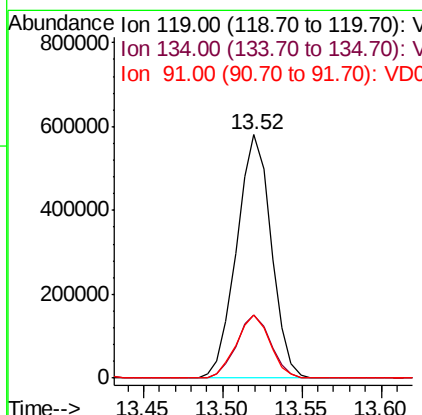
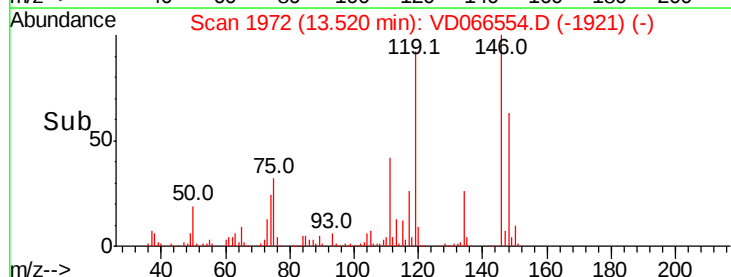
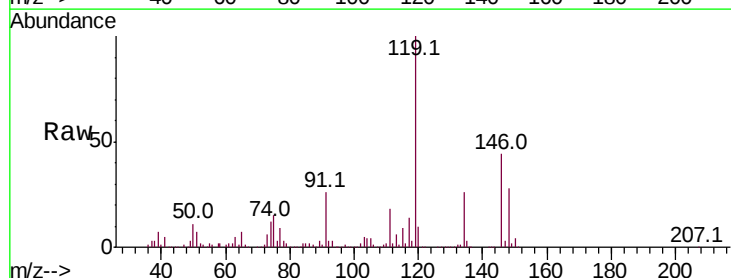
Manual Integrations
 APPROVED

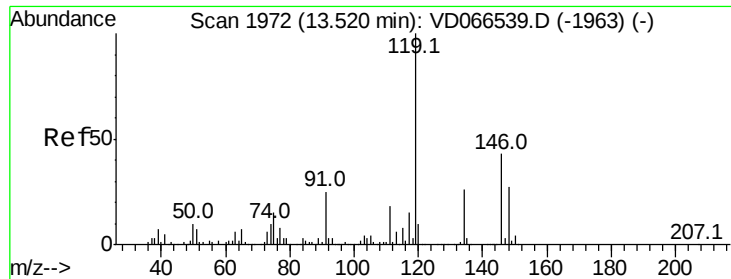
sam
 9/8/2020 5:42:31 PM



#86
 p-Isopropyltoluene
 Concen: 53.047 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD066554.D
 Acq: 04 Sep 2020 11:01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	876295		
134	25.7		12.7	38.0
91	25.3		12.5	37.5





#87

1,3-Dichlorobenzene

Concen: 49.562 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD066554.D

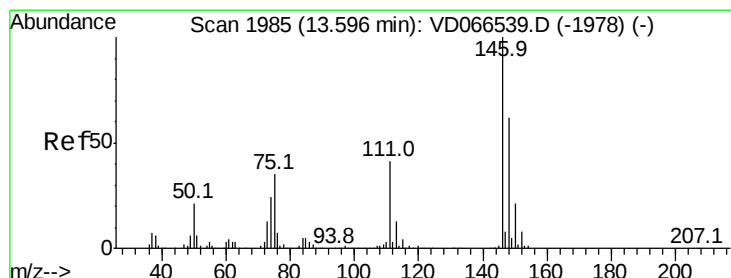
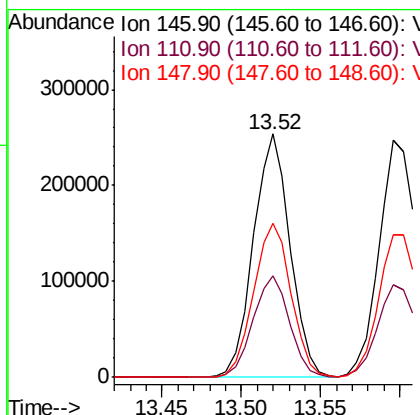
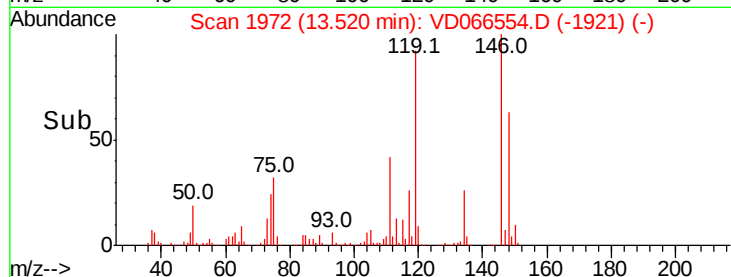
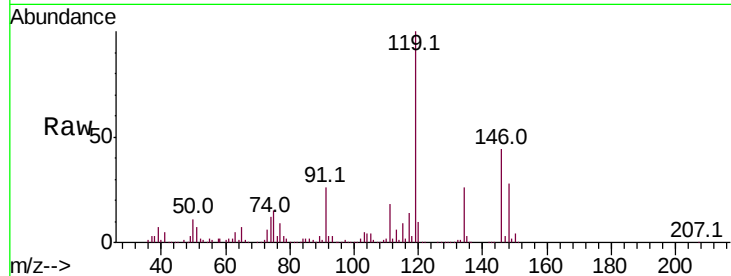
Acq: 04 Sep 2020 11:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	41.8	20.6	61.9	
148	64.9	32.1	96.3	

Manual Integrations
APPROVED

sam
9/8/2020 5:42:31 PM



#88

1,4-Dichlorobenzene

Concen: 49.109 ug/l

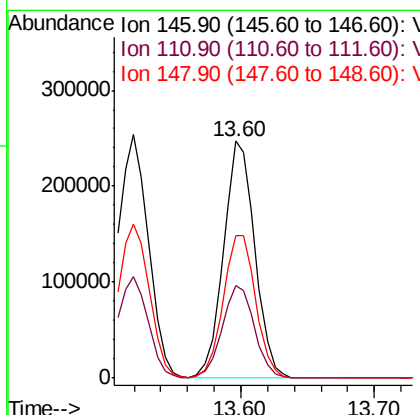
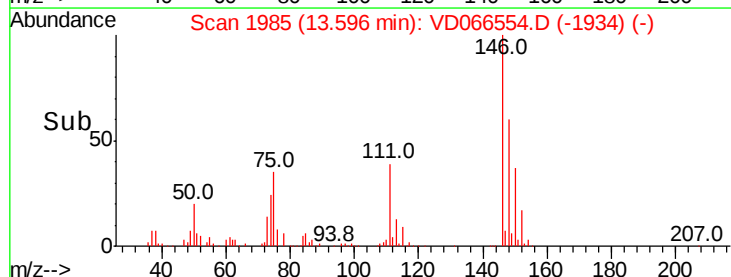
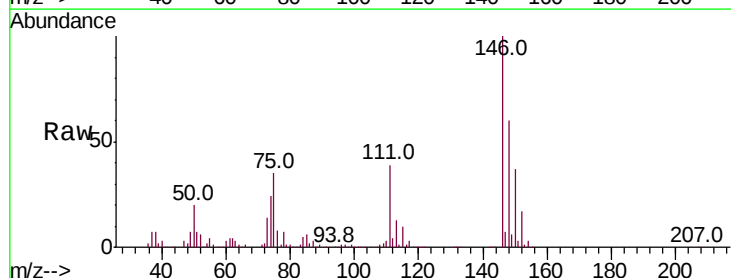
RT: 13.60 min Scan# 1985

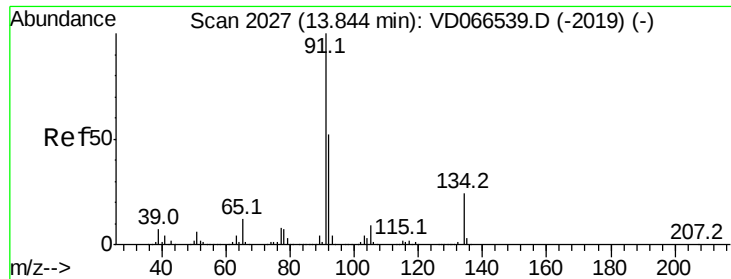
Delta R.T. -0.00 min

Lab File: VD066554.D

Acq: 04 Sep 2020 11:01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
111	40.4	20.1	60.2	
148	62.8	31.6	94.8	





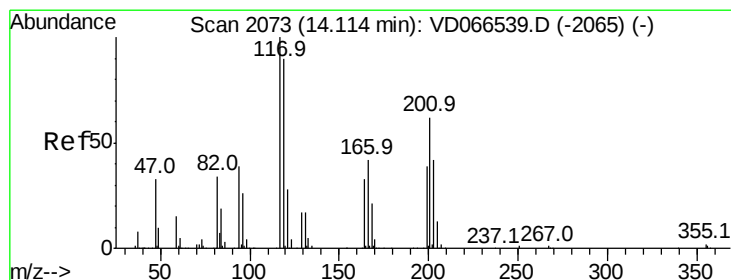
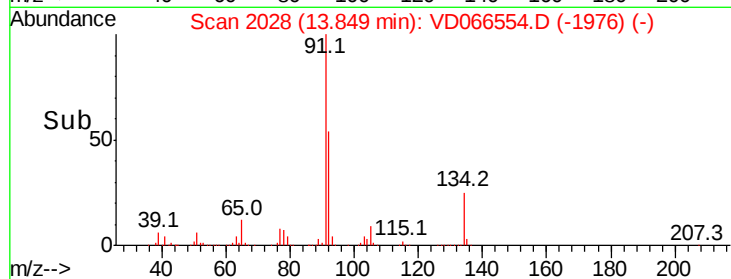
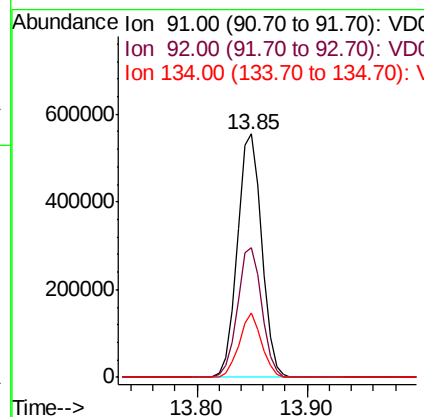
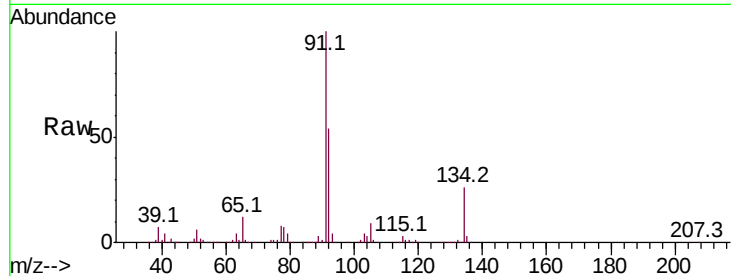
#89
n-Butylbenzene
Concen: 53.438 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VD066554.D
Acq: 04 Sep 2020 11:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.1	26.5	79.5	
134	24.4	12.1	36.3	

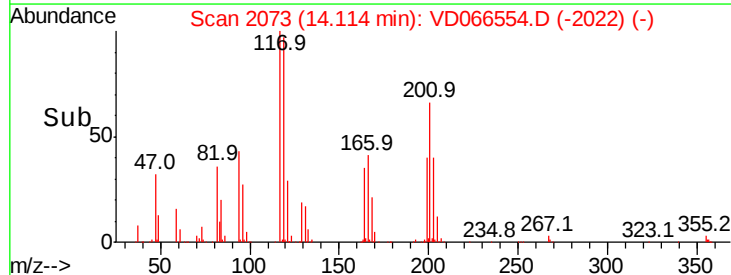
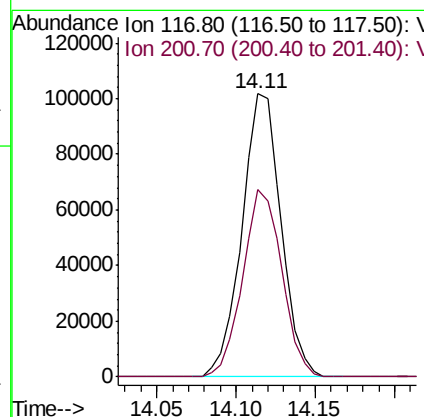
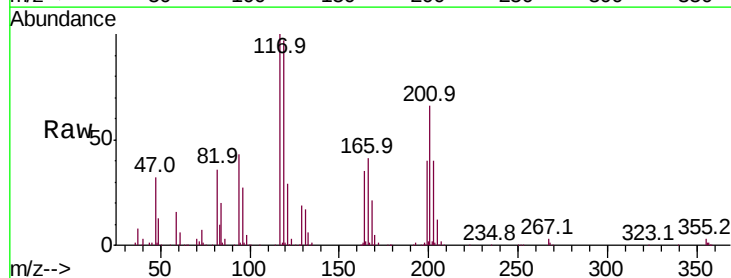
Manual Integrations
APPROVED

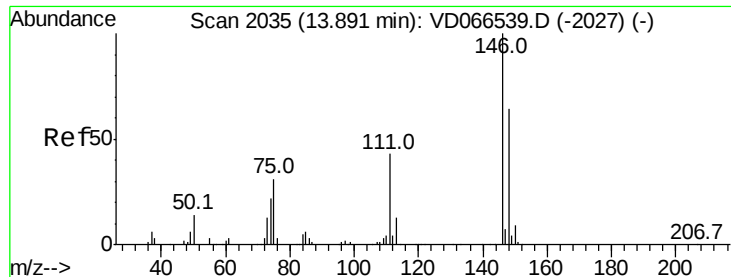
sam
9/8/2020 5:42:31 PM



#90
Hexachloroethane
Concen: 49.071 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD066554.D
Acq: 04 Sep 2020 11:01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	66.3	31.9	95.5	





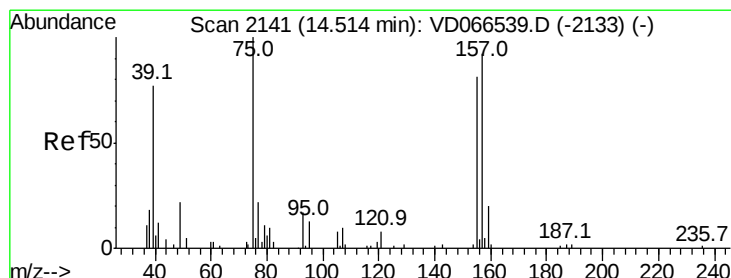
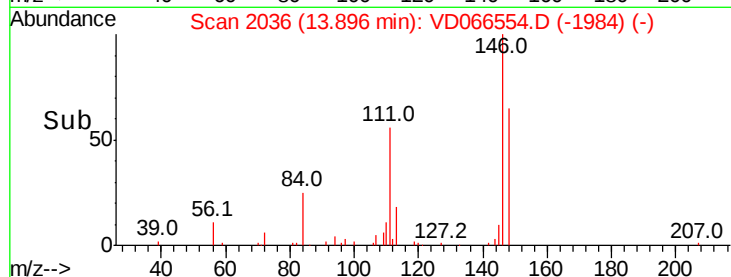
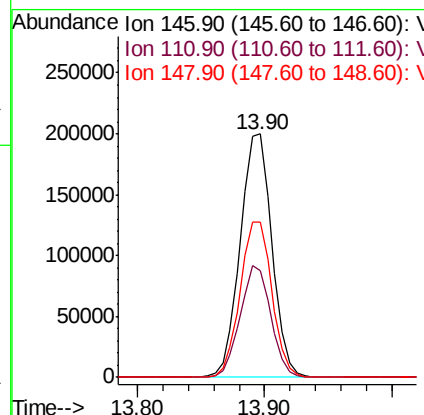
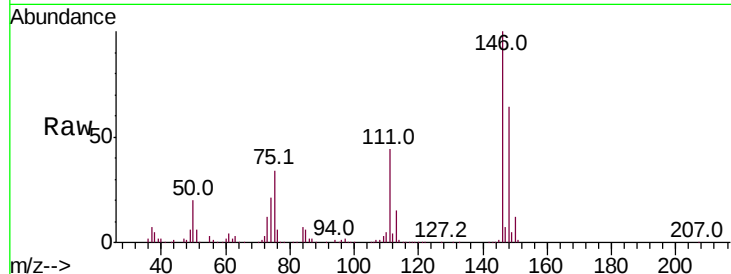
#91
 1,2-Dichlorobenzene
 Concen: 48.160 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.01 min
 Lab File: VD066554.D
 Acq: 04 Sep 2020 11:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.2	21.1	63.4
148	64.4	31.8	95.3

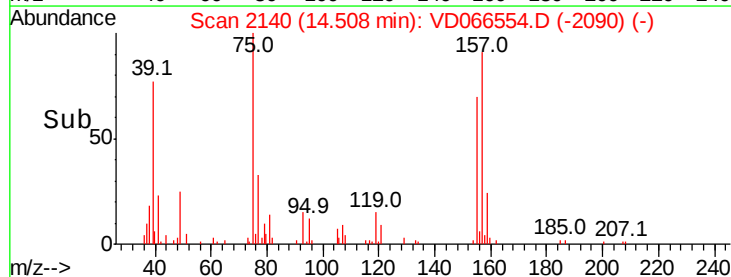
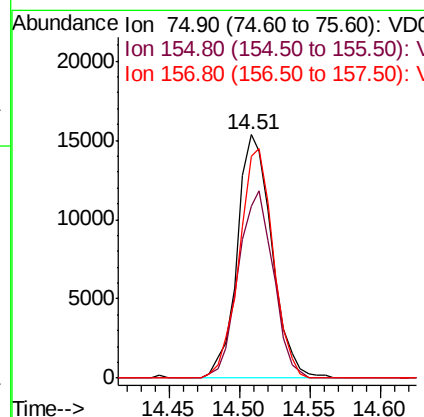
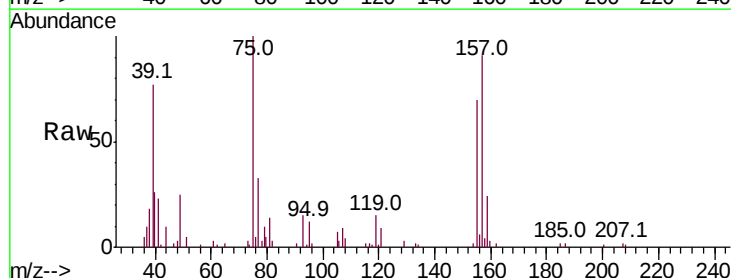
Manual Integrations
 APPROVED

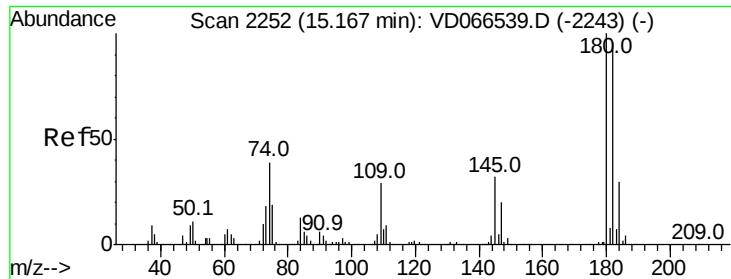
sam
 9/8/2020 5:42:31 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.312 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD066554.D
 Acq: 04 Sep 2020 11:01

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.6	39.3	117.8
157	92.2	46.0	137.8





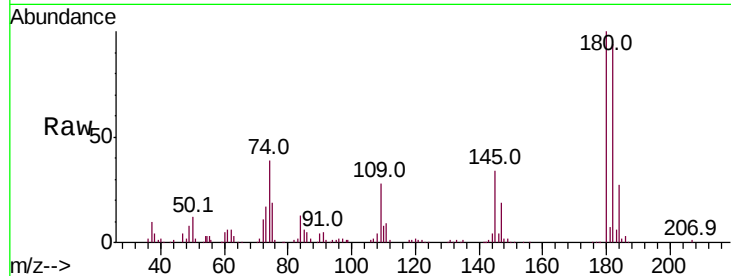
#93
 1,2,4-Trichlorobenzene
 Concen: 52.189 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD066554.D
 Acq: 04 Sep 2020 11:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	224580		
182	94.6	48.4	145.0	
145	32.3	16.7	50.0	

Manual Integrations
 APPROVED

sam
 9/8/2020 5:42:31 PM

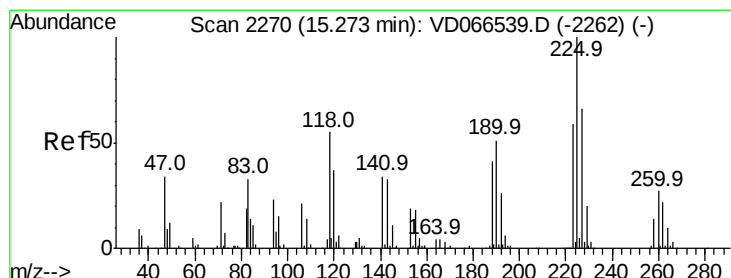
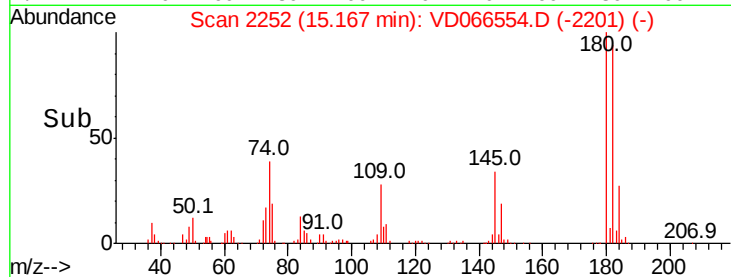
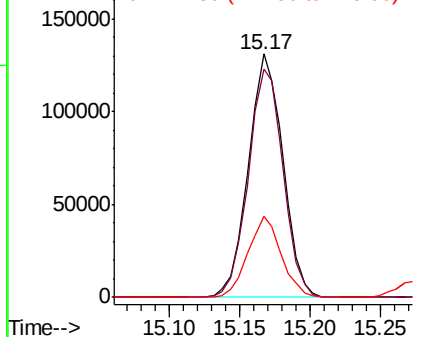


Abundance

Ion 179.80 (179.50 to 180.50): V

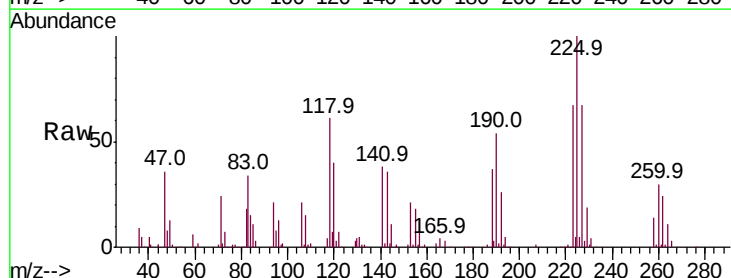
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 49.876 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD066554.D
 Acq: 04 Sep 2020 11:01

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	128940		
223	65.8	30.5	91.5	
227	65.3	32.4	97.2	

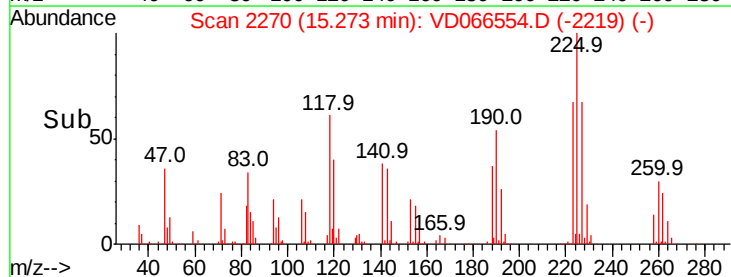
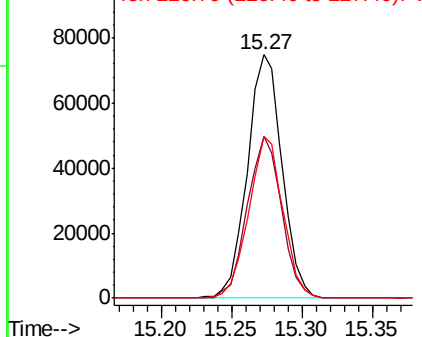


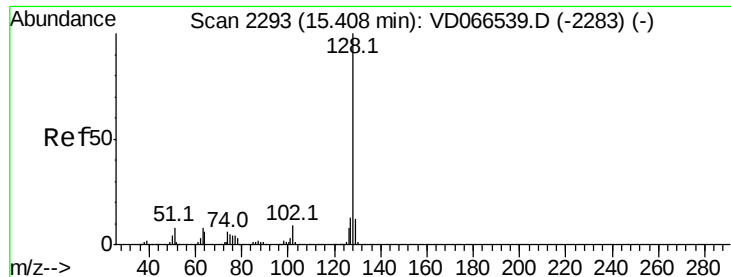
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





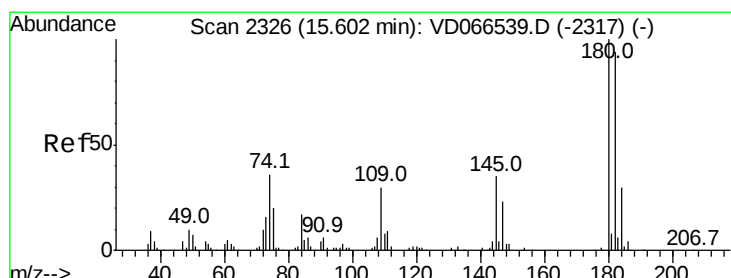
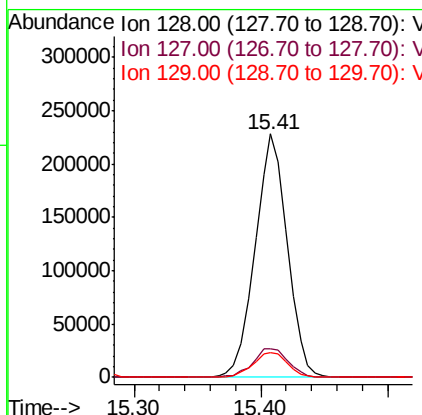
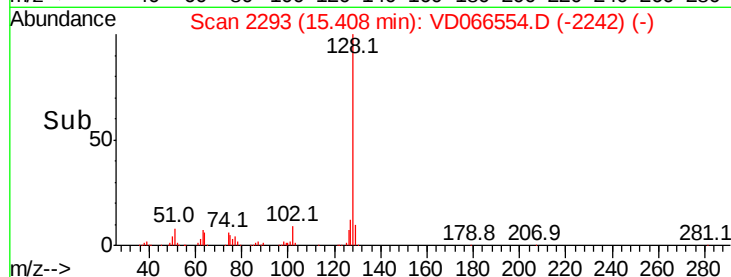
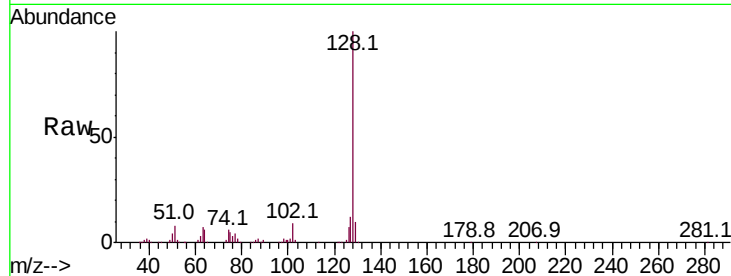
#95
Naphthalene
Concen: 53.357 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD066554.D
Acq: 04 Sep 2020 11:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.7	16.1
129	11.0	9.1	13.7

Manual Integrations
APPROVED

sam
9/8/2020 5:42:31 PM



#96
1,2,3-Trichlorobenzene
Concen: 52.314 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VD066554.D
Acq: 04 Sep 2020 11:01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.9	143.6
145	35.2	17.3	51.7

