

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081920\
 Data File : VX017967.D
 Acq On : 18 Aug 2020 19:21
 Operator : JC/SP
 Sample : VSTDIC100
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 8/19/2020 8:53:50 AM

Quant Time: Aug 19 03:27:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081920W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 19 02:55:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	424061	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	670281	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	652339	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	352491	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	602035	109.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	219.32%	
35) Dibromofluoromethane	5.47	113	473103	104.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	209.94%	
50) Toluene-d8	8.70	98	1707197	105.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	210.30%	
62) 4-Bromofluorobenzene	11.12	95	666367	102.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	205.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	664975	137.846	ug/l	96
3) Chloromethane	1.31	50	650538	112.697	ug/l	99
4) Vinyl Chloride	1.39	62	627518	114.440	ug/l	98
5) Bromomethane	1.62	94	354583	111.756	ug/l	99
6) Chloroethane	1.70	64	351213	107.252	ug/l	98
7) Trichlorofluoromethane	1.90	101	968216	112.374	ug/l	100
8) Diethyl Ether	2.17	74	271006	90.948	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.36	101	433808	95.278	ug/l	98
10) Methyl Iodide	2.48	142	599783	103.057	ug/l	99
11) Tert butyl alcohol	3.03	59	607481	535.635	ug/l	100
12) 1,1-Dichloroethene	2.35	96	400551	93.514	ug/l	98
13) Acrolein	2.28	56	337097	453.169	ug/l	99
14) Allyl chloride	2.70	41	699117	90.615	ug/l	99
15) Acrylonitrile	3.12	53	1301793	527.888	ug/l	99
16) Acetone	2.43	43	1315222	546.748	ug/l	99
17) Carbon Disulfide	2.54	76	984532	76.995	ug/l	99
18) Methyl Acetate	2.75	43	634146	112.235	ug/l	98
19) Methyl tert-butyl Ether	3.17	73	1558655	103.878	ug/l	99
20) Methylene Chloride	2.83	84	440972	85.629	ug/l	96
21) trans-1,2-Dichloroethene	3.14	96	388339	85.204	ug/l	98
22) Diisopropyl ether	3.83	45	1563427	106.673	ug/l	99
23) Vinyl Acetate	3.79	43	5978234	473.842	ug/l	99
24) 1,1-Dichloroethane	3.67	63	780726	93.042	ug/l	98
25) 2-Butanone	4.64	43	2120589	615.834	ug/l	97
26) 2,2-Dichloropropane	4.55	77	754496	99.942	ug/l	100
27) cis-1,2-Dichloroethene	4.56	96	494662	97.776	ug/l	99
28) Bromochloromethane	4.99	49	406984	105.374	ug/l	98
29) Tetrahydrofuran	5.09	42	1269783	592.686	ug/l	99
30) Chloroform	5.18	83	916627	106.019	ug/l	98
31) Cyclohexane	5.55	56	727605	106.590	ug/l	94
32) 1,1,1-Trichloroethane	5.47	97	813523	100.091	ug/l	99
36) 1,1-Dichloropropene	5.77	75	599875	93.950	ug/l	99
37) Ethyl Acetate	4.80	43	675800	98.364	ug/l	99
38) Carbon Tetrachloride	5.76	117	764915	97.633	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX081920\
 Data File : VX017967.D
 Acq On : 18 Aug 2020 19:21
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 8/19/2020 8:53:50 AM

Quant Time: Aug 19 03:27:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081920W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 19 02:55:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	786108	104.330	ug/l	97
40) Benzene	6.12	78	1723160	94.393	ug/l	100
41) Methacrylonitrile	5.01	41	426952	106.347	ug/l	98
42) 1,2-Dichloroethane	6.17	62	726223	96.968	ug/l	100
43) Isopropyl Acetate	6.42	43	1127142	100.265	ug/l	99
44) Trichloroethene	7.19	130	514181	95.720	ug/l	98
45) 1,2-Dichloropropane	7.49	63	494037	96.277	ug/l	99
46) Dibromomethane	7.64	93	338072	93.422	ug/l	98
47) Bromodichloromethane	7.88	83	735664	99.113	ug/l	98
48) Methyl methacrylate	7.75	41	579290	100.188	ug/l	99
49) 1,4-Dioxane	7.71	88	244813	2200.966	ug/l	98
51) 4-Methyl-2-Pentanone	8.62	43	3685092	530.018	ug/l	99
52) Toluene	8.77	92	1136268	96.451	ug/l	99
53) t-1,3-Dichloropropene	9.02	75	818613	101.887	ug/l	97
54) cis-1,3-Dichloropropene	8.42	75	817722	99.303	ug/l	99
55) 1,1,2-Trichloroethane	9.20	97	497857	100.668	ug/l	97
56) Ethyl methacrylate	9.16	69	781410	106.275	ug/l	98
57) 1,3-Dichloropropane	9.35	76	797470	98.433	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.29	63	1900454	499.461	ug/l	100
59) 2-Hexanone	9.48	43	2901639	557.613	ug/l	99
60) Dibromochloromethane	9.57	129	667080	106.742	ug/l	99
61) 1,2-Dibromoethane	9.65	107	576664	108.588	ug/l	99
64) Tetrachloroethene	9.32	164	502939	87.921	ug/l	96
65) Chlorobenzene	10.12	112	1363021	97.721	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	567287	100.277	ug/l	99
67) Ethyl Benzene	10.24	91	2377096	102.612	ug/l	98
68) m/p-Xylenes	10.34	106	1806233	202.786	ug/l	98
69) o-Xylene	10.68	106	910853	105.845	ug/l	97
70) Styrene	10.70	104	1567142	106.802	ug/l	98
71) Bromoform	10.84	173	514023	105.213	ug/l #	99
73) Isopropylbenzene	11.00	105	2428687	100.967	ug/l	100
74) N-amyl acetate	10.88	43	1067401	101.274	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.25	83	762581	99.713	ug/l	99
76) 1,2,3-Trichloropropane	11.28	75	785169m	108.091	ug/l	
77) Bromobenzene	11.24	156	653590	97.135	ug/l	97
78) n-propylbenzene	11.35	91	3116912	114.377	ug/l	99
79) 2-Chlorotoluene	11.41	91	1832921	108.746	ug/l	100
80) 1,3,5-Trimethylbenzene	11.49	105	2234526	109.135	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.06	75	299175	103.671	ug/l	98
82) 4-Chlorotoluene	11.49	91	2069128	104.817	ug/l	100
83) tert-Butylbenzene	11.76	119	2078236	106.512	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	2196618	106.155	ug/l	98
85) sec-Butylbenzene	11.93	105	2534517	110.642	ug/l	100
86) p-Isopropyltoluene	12.05	119	2389236	109.839	ug/l	98
87) 1,3-Dichlorobenzene	12.01	146	1255874	109.301	ug/l	100
88) 1,4-Dichlorobenzene	12.08	146	1172999	98.286	ug/l	99
89) n-Butylbenzene	12.37	91	1930362	100.240	ug/l	99
90) Hexachloroethane	12.58	117	442613	102.714	ug/l	97
91) 1,2-Dichlorobenzene	12.38	146	1097912	96.773	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.98	75	224375	107.665	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081920\
Data File : VX017967.D
Acq On : 18 Aug 2020 19:21
Operator : JC/SP
Sample : VSTDICC100
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

MMDadoda
8/19/2020 8:53:50 AM

Quant Time: Aug 19 03:27:57 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081920W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 19 02:55:45 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	769136	101.415	ug/l	98
94) Hexachlorobutadiene	13.77	225	305912	87.798	ug/l	94
95) Naphthalene	13.82	128	2505016	109.838	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	767985	101.358	ug/l	99

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

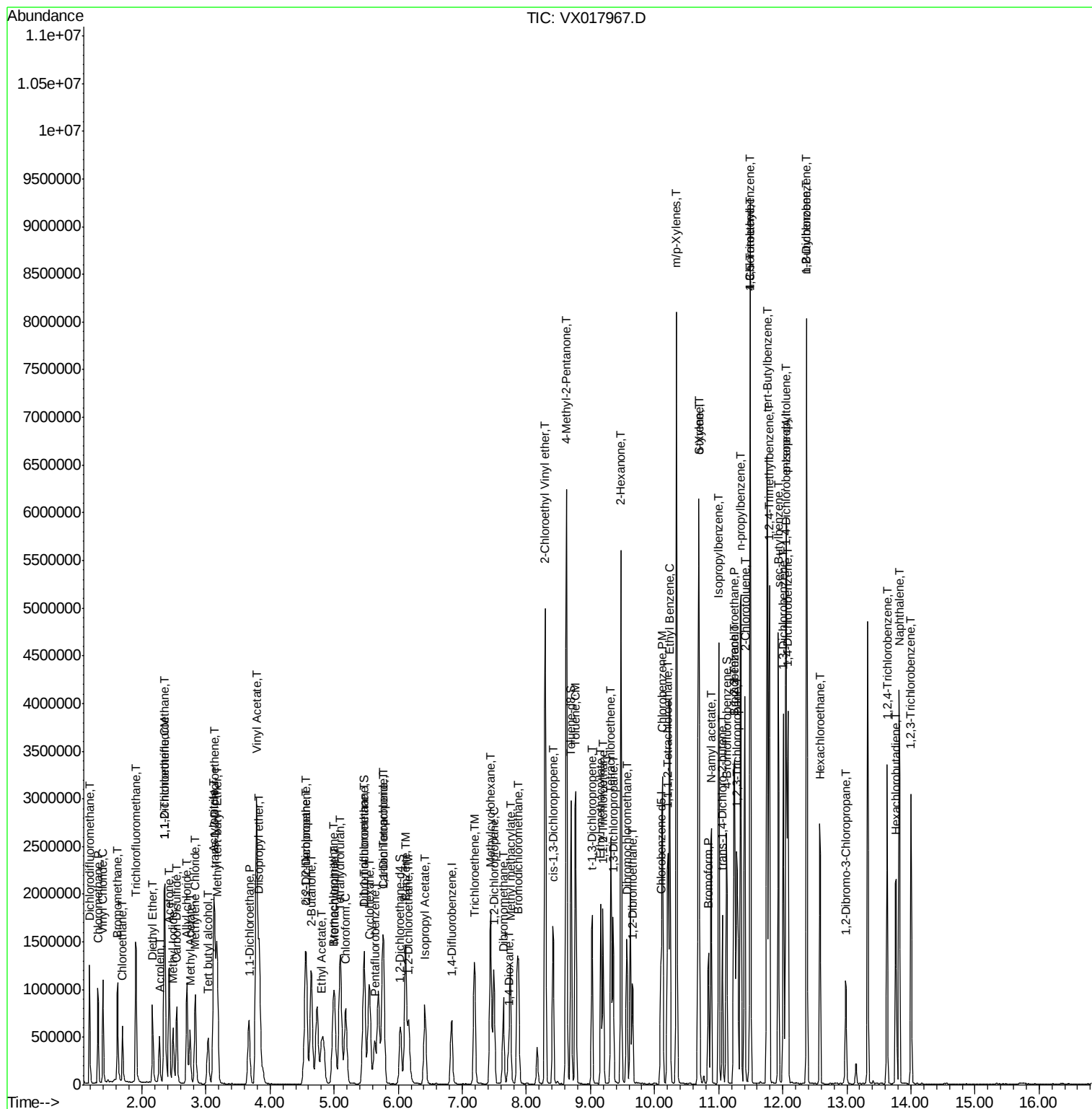
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX081920\
 Data File : VX017967.D
 Acq On : 18 Aug 2020 19:21
 Operator : JC/SP
 Sample : VSTDIC100
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

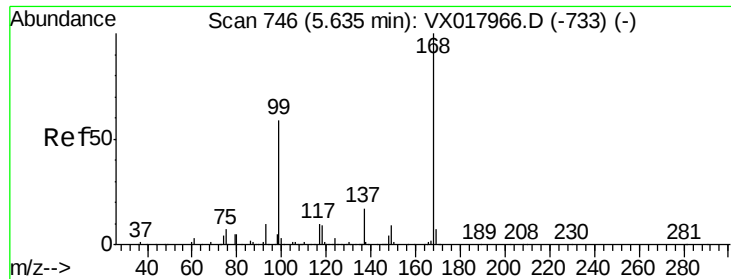
Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 8/19/2020 8:53:50 AM

Quant Time: Aug 19 03:27:57 2020
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X081920W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 19 02:55:45 2020
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.00 min

Lab File: VX017967.D

Acq: 18 Aug 2020 19:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 424061

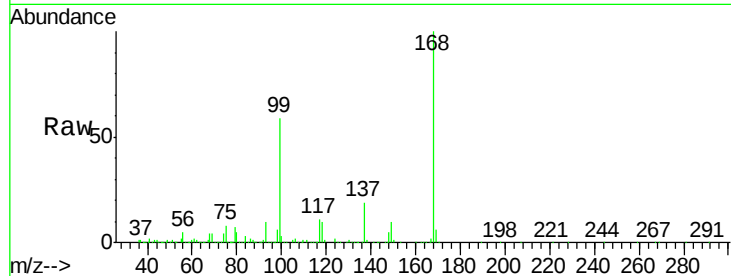
Ion Ratio Lower Upper

168 100

99 58.6 47.4 71.2

Manual Integrations
APPROVED

MMDadoda
8/19/2020 8:53:50 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

150000

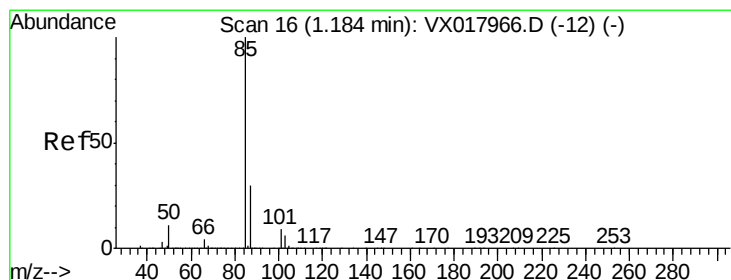
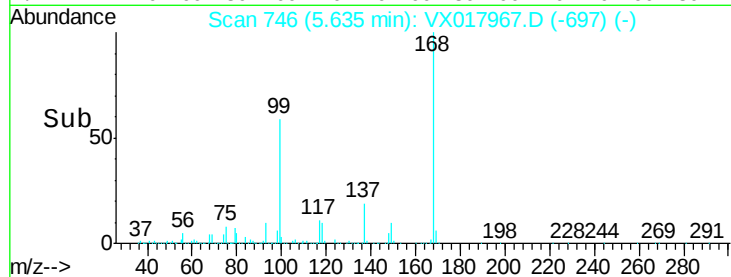
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 137.846 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX017967.D

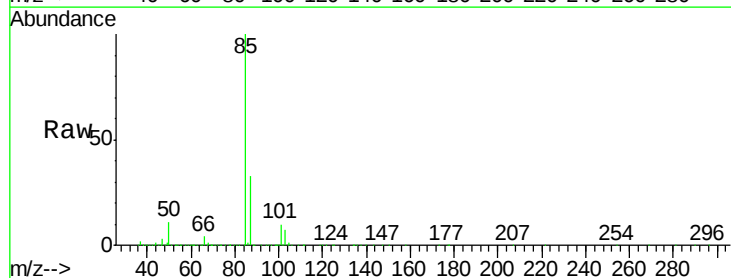
Acq: 18 Aug 2020 19:21

Tgt Ion: 85 Resp: 664975

Ion Ratio Lower Upper

85 100

87 32.9 15.3 45.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

800000

600000

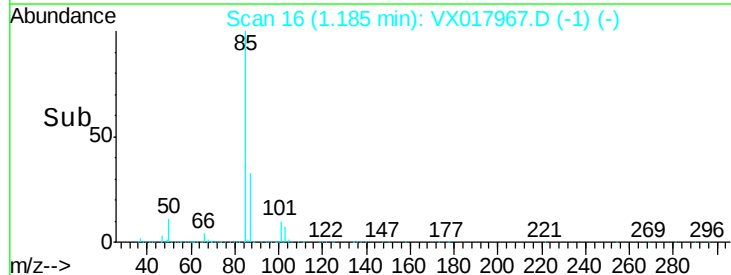
400000

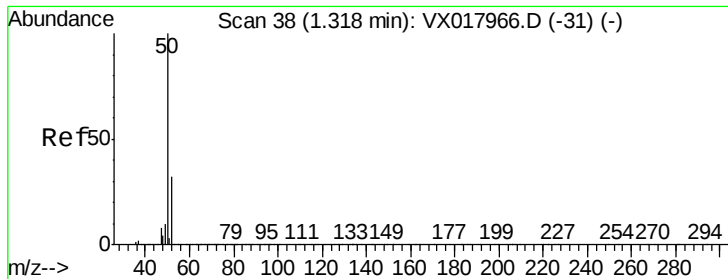
200000

0

1.10 1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 112.697 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.01 min

Lab File: VX017967.D

Acq: 18 Aug 2020 19:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 650538

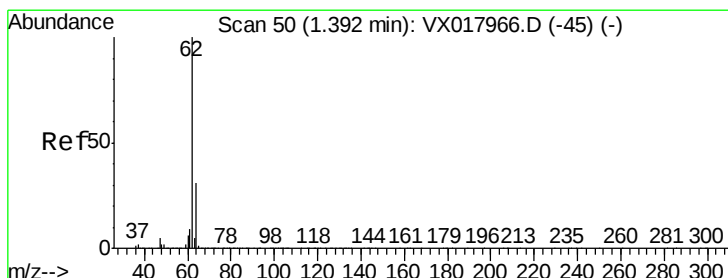
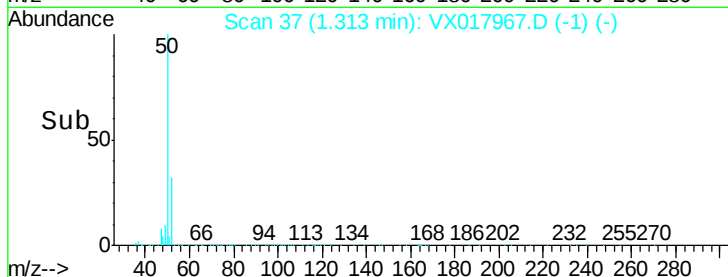
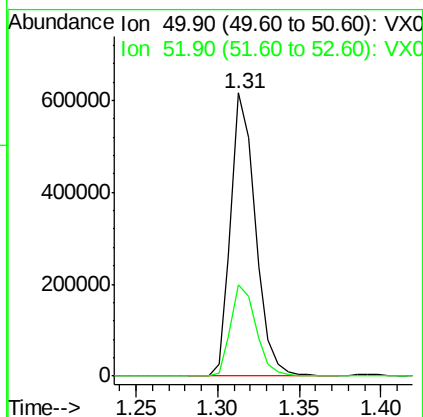
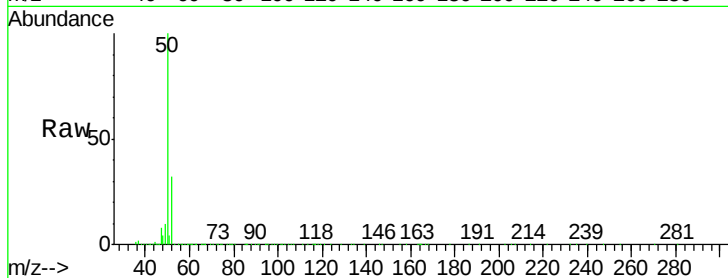
Ion Ratio Lower Upper

50 100

52 32.5 25.4 38.0

Manual Integrations
APPROVED

MMDadoda
8/19/2020 8:53:50 AM



#4

Vinyl Chloride

Concen: 114.440 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX017967.D

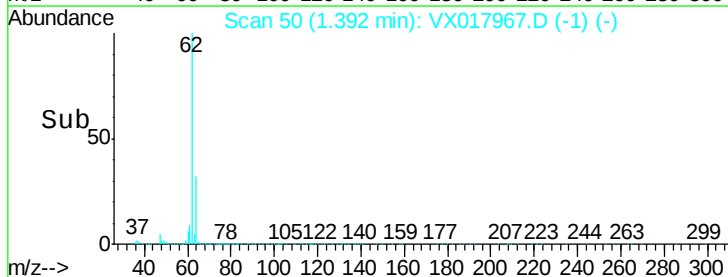
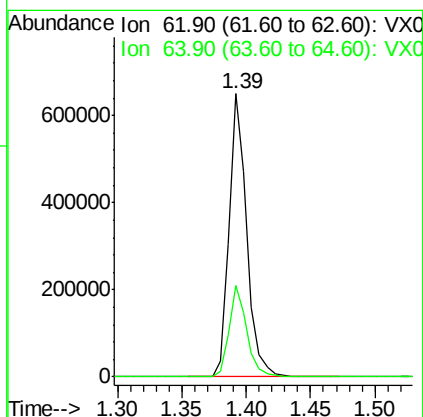
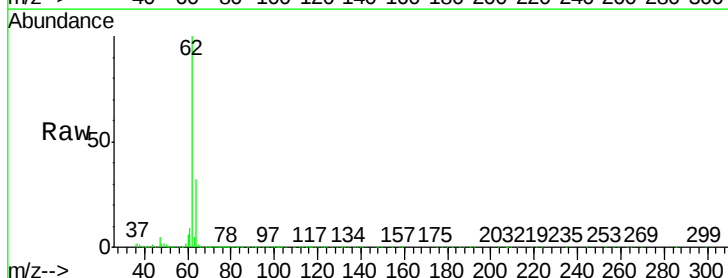
Acq: 18 Aug 2020 19:21

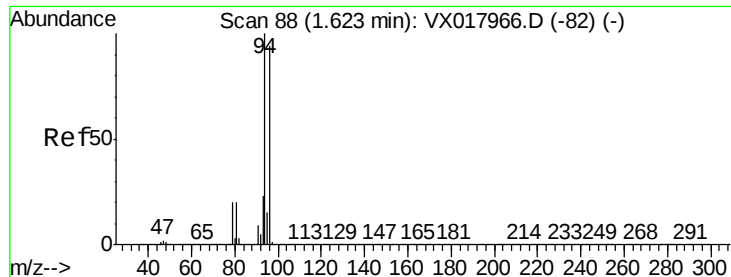
Tgt Ion: 62 Resp: 627518

Ion Ratio Lower Upper

62 100

64 32.2 24.7 37.1





#5

Bromomethane

Concen: 111.756 ug/l

RT: 1.62 min Scan# 88

Delta R.T. 0.00 min

Lab File: VX017967.D

Acq: 18 Aug 2020 19:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion: 94 Resp: 354583

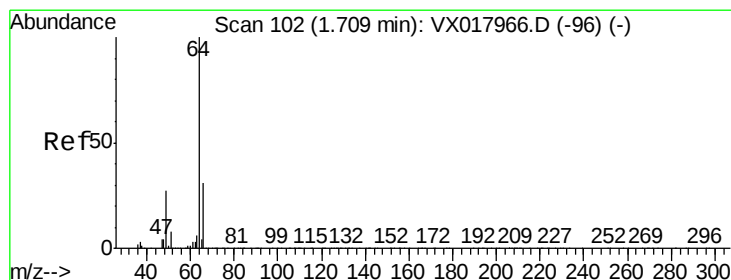
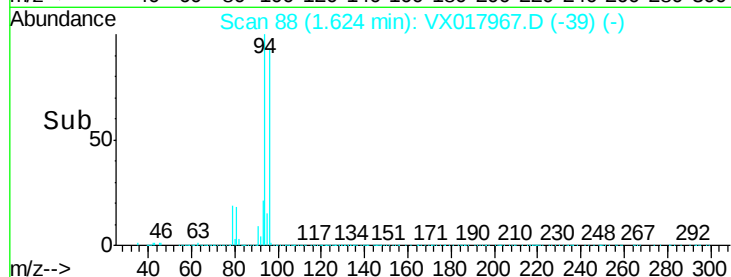
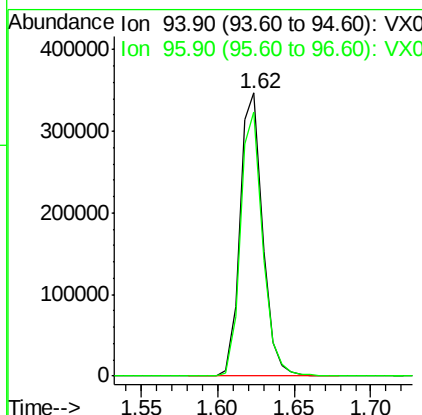
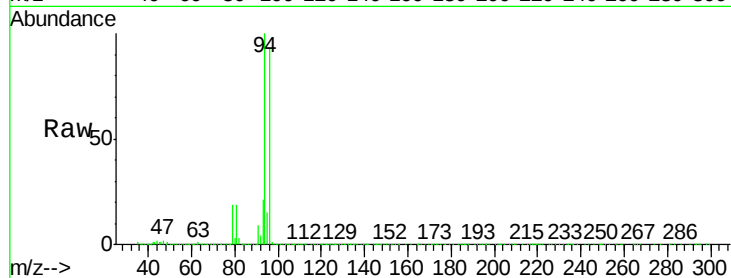
Ion Ratio Lower Upper

94 100

96 93.1 75.5 113.3

Manual Integrations
APPROVED

MMDadoda
8/19/2020 8:53:50 AM



#6

Chloroethane

Concen: 107.252 ug/l

RT: 1.70 min Scan# 100

Delta R.T. -0.01 min

Lab File: VX017967.D

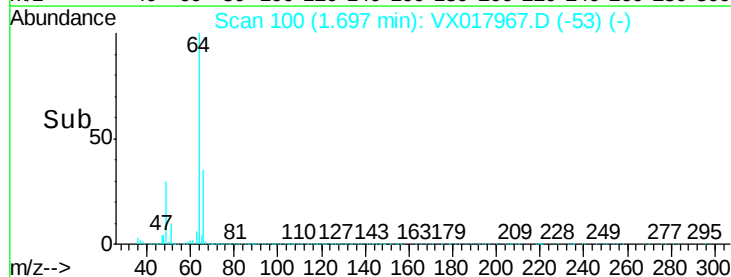
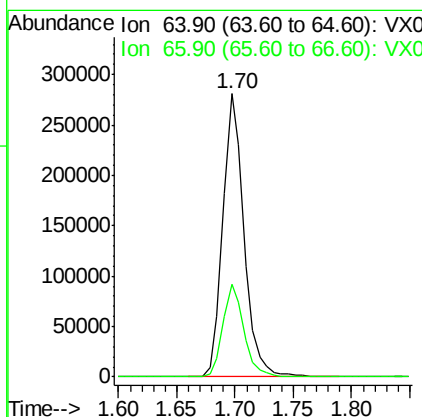
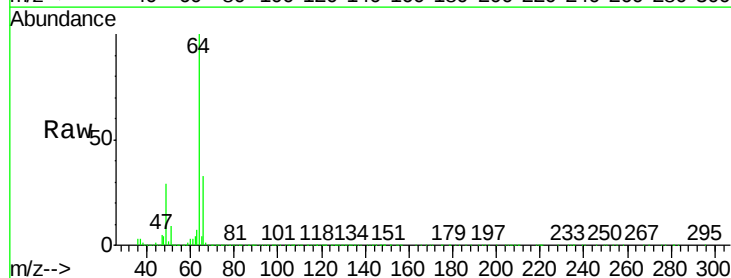
Acq: 18 Aug 2020 19:21

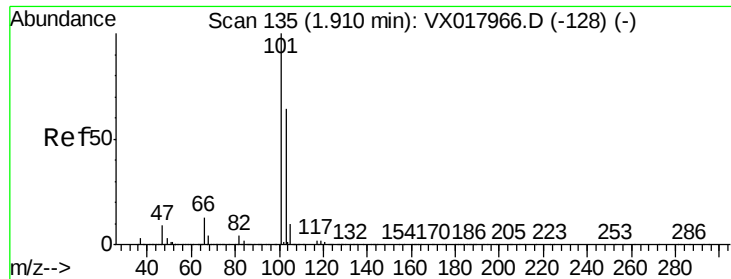
Tgt Ion: 64 Resp: 351213

Ion Ratio Lower Upper

64 100

66 32.4 25.0 37.4





#7

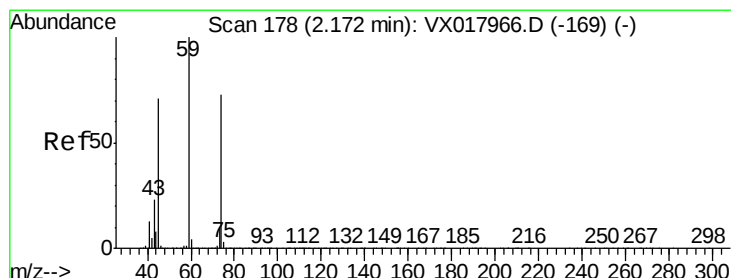
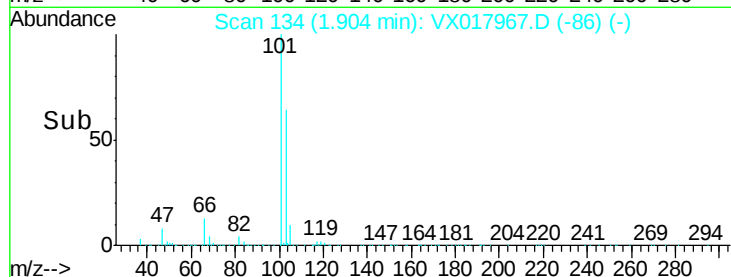
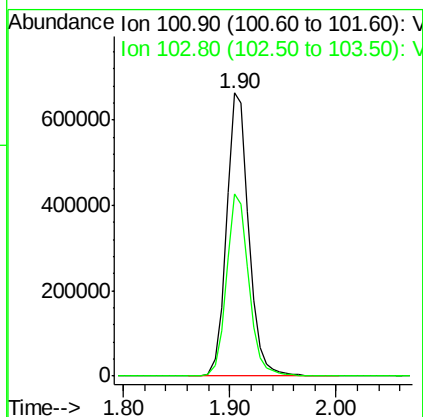
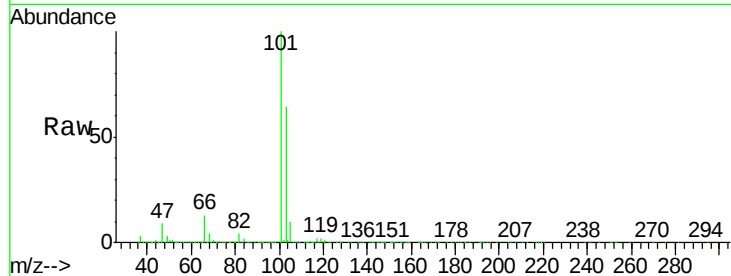
Trichlorofluoromethane
Concen: 112.374 ug/l
RT: 1.90 min Scan# 134
Delta R.T. -0.01 min
Lab File: VX017967.D
Acq: 18 Aug 2020 19:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	51.2	76.8

Manual Integrations
APPROVED

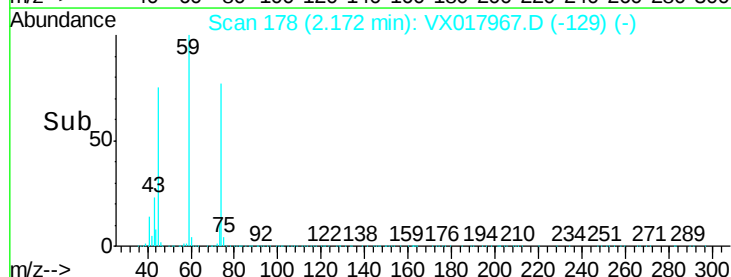
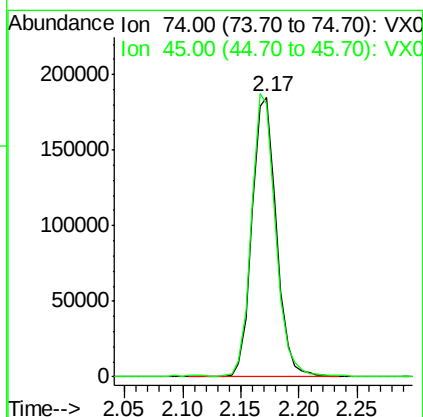
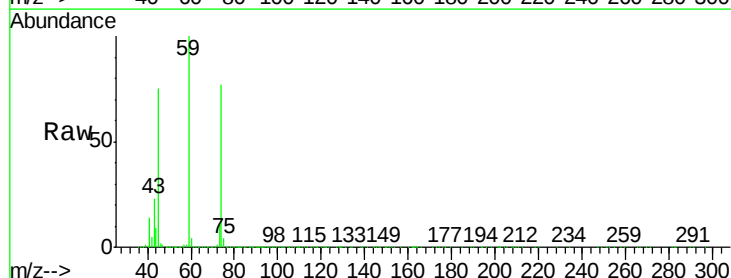
MMDadoda
8/19/2020 8:53:50 AM

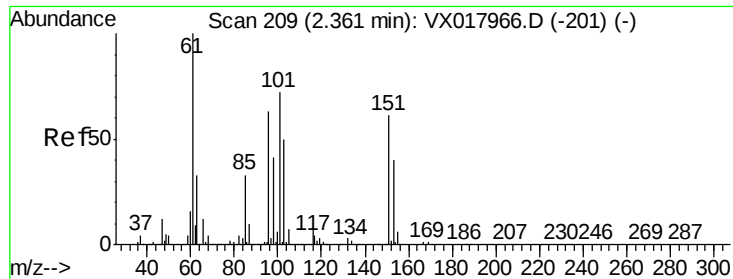


#8

Diethyl Ether
Concen: 90.948 ug/l
RT: 2.17 min Scan# 178
Delta R.T. 0.00 min
Lab File: VX017967.D
Acq: 18 Aug 2020 19:21

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.5	50.5	151.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 95.278 ug/l

RT: 2.36 min Scan# 209

Delta R.T. 0.00 min

Lab File: VX017967.D

Acq: 18 Aug 2020 19:21

Instrument :

MSVOA_X

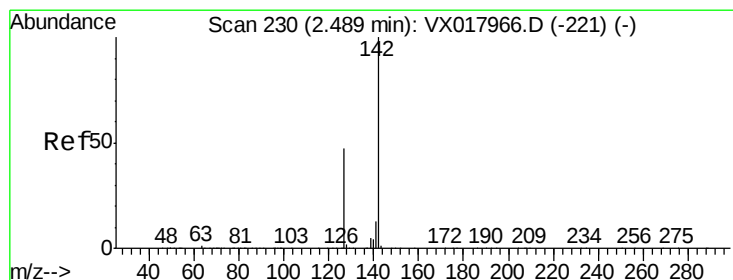
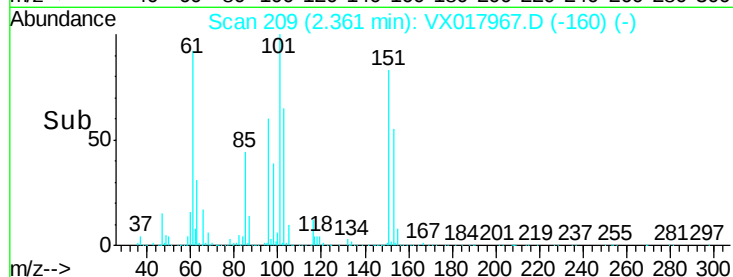
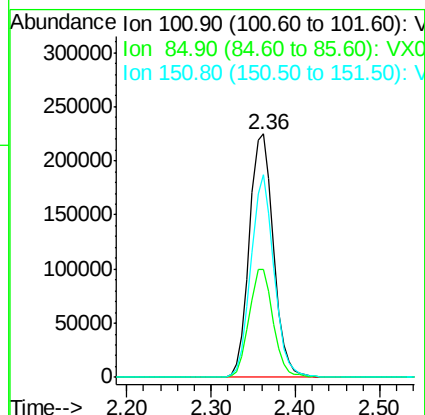
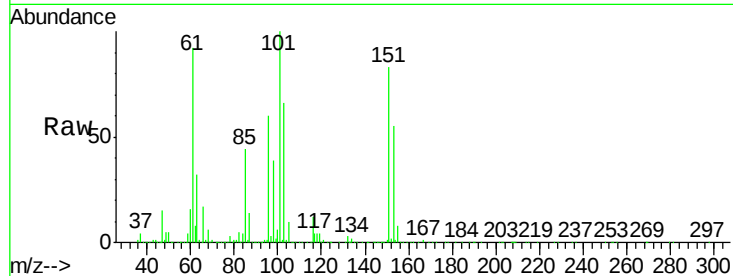
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	433808
Ion Ratio	Lower	Upper	
101	100		
85	44.1	35.4	53.2
151	79.6	65.4	98.0

Manual Integrations
APPROVED

MMDadoda
8/19/2020 8:53:50 AM



#10

Methyl Iodide

Concen: 103.057 ug/l

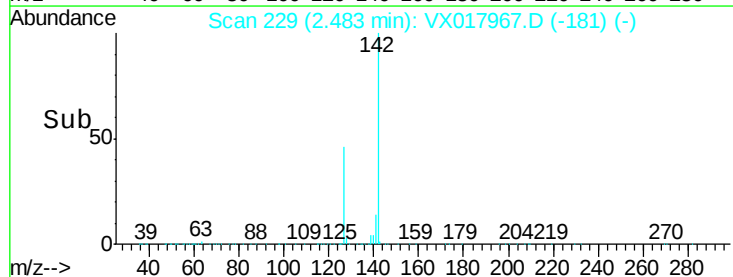
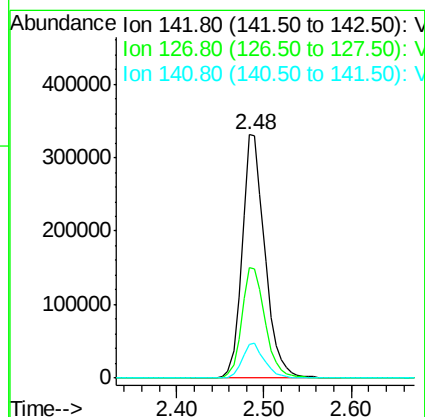
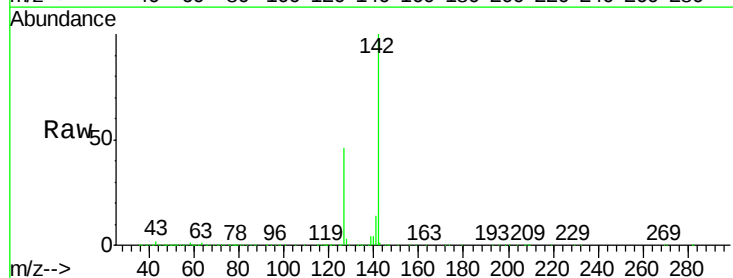
RT: 2.48 min Scan# 229

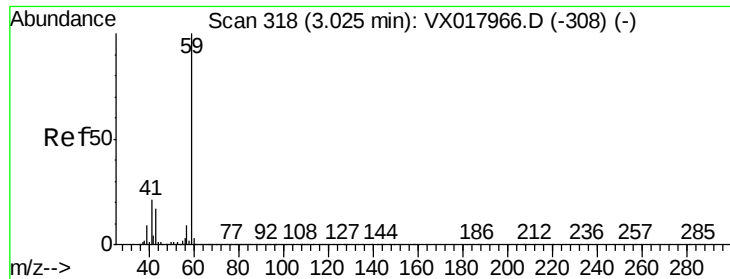
Delta R.T. -0.01 min

Lab File: VX017967.D

Acq: 18 Aug 2020 19:21

Tgt Ion:	142	Resp:	599783
Ion Ratio	Lower	Upper	
142	100		
127	46.7	38.0	57.0
141	14.1	11.2	16.8





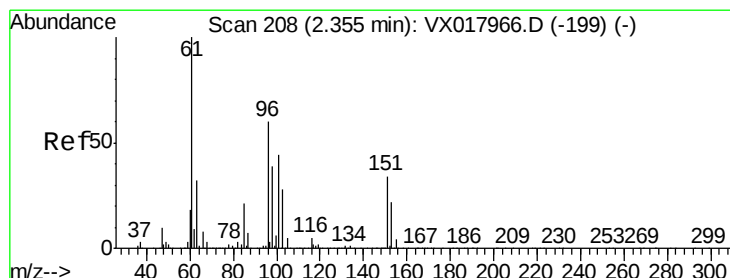
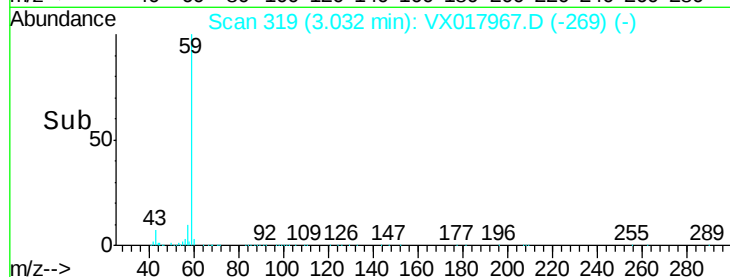
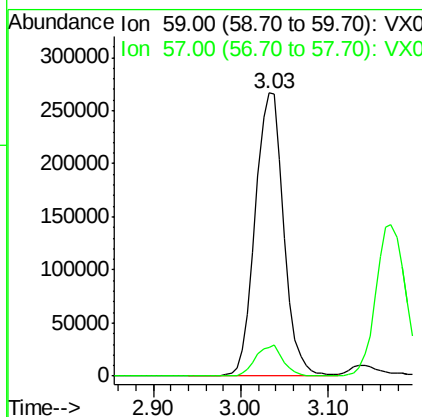
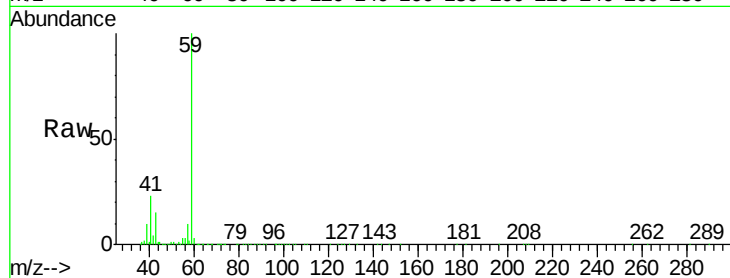
#11
Tert butyl alcohol
Concen: 535.635 ug/l
RT: 3.03 min Scan# 319
Delta R.T. 0.01 min
Lab File: VX017967.D
Acq: 18 Aug 2020 19:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.6	13.0

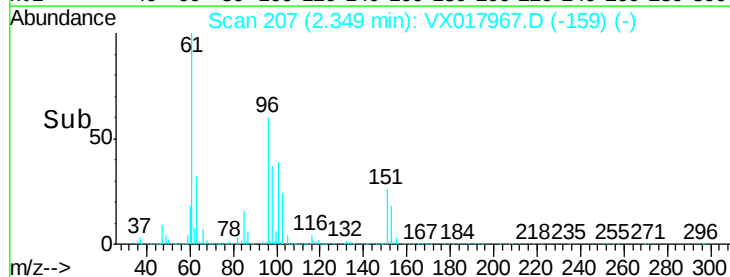
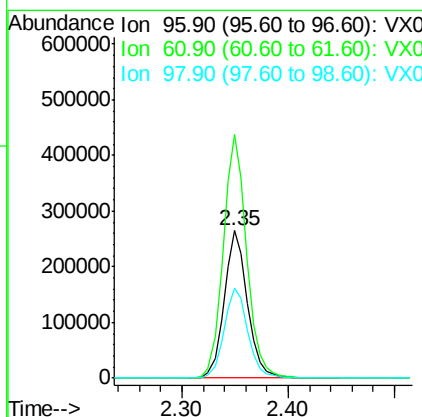
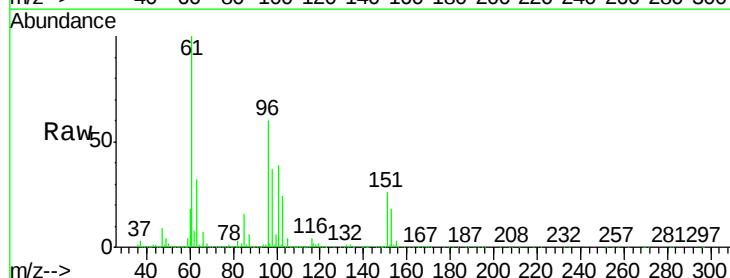
Manual Integrations
APPROVED

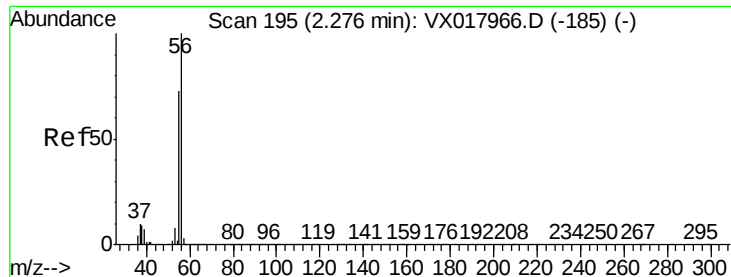
MMDadoda
8/19/2020 8:53:50 AM



#12
1,1-Dichloroethene
Concen: 93.514 ug/l
RT: 2.35 min Scan# 207
Delta R.T. -0.01 min
Lab File: VX017967.D
Acq: 18 Aug 2020 19:21

Tgt Ion	Ratio	Lower	Upper
96	100		
61	165.6	132.9	199.3
98	60.8	51.6	77.4





#13

Acrolein

Concen: 453.169 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.00 min

Lab File: VX017967.D

Acq: 18 Aug 2020 19:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 337097

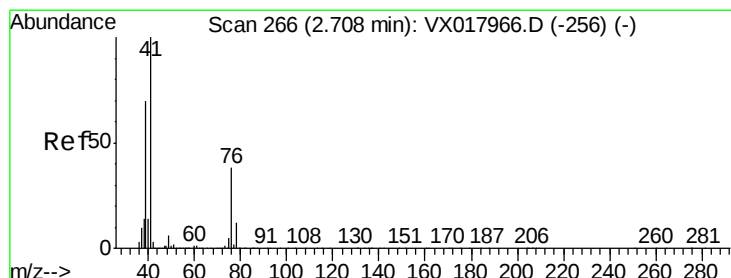
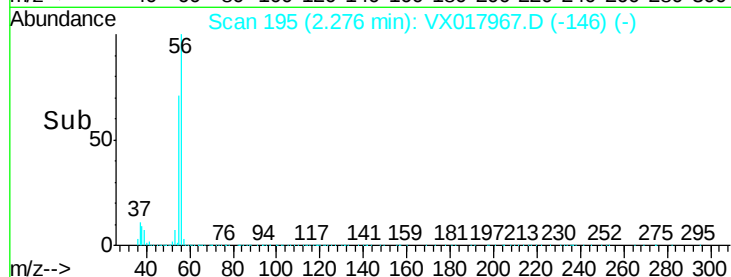
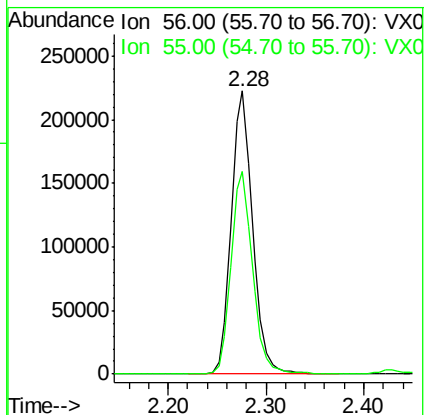
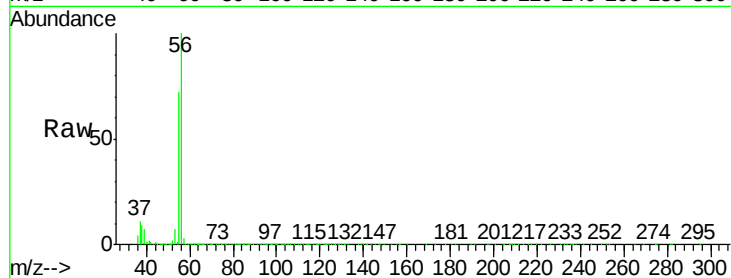
Ion Ratio Lower Upper

56 100

55 71.7 58.2 87.4

Manual Integrations
APPROVED

MMDadoda
8/19/2020 8:53:50 AM



#14

Allyl chloride

Concen: 90.615 ug/l

RT: 2.70 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX017967.D

Acq: 18 Aug 2020 19:21

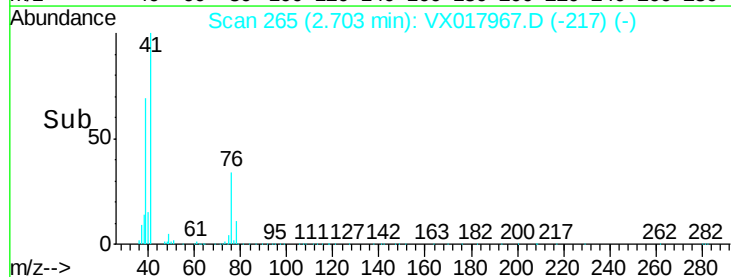
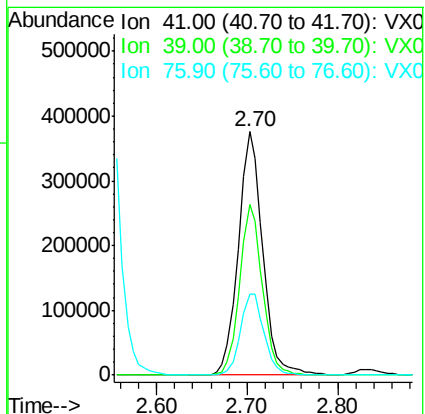
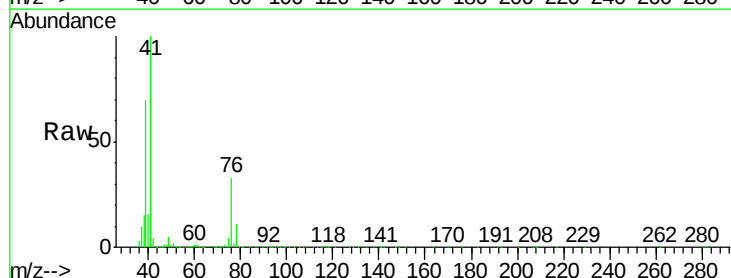
Tgt Ion: 41 Resp: 699117

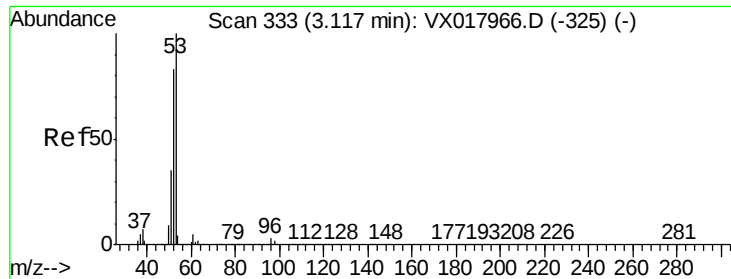
Ion Ratio Lower Upper

41 100

39 65.3 51.7 77.5

76 32.1 26.3 39.5





#15

Acrylonitrile

Concen: 527.888 ug/l

RT: 3.12 min Scan# 334

Delta R.T. 0.01 min

Lab File: VX017967.D

Acq: 18 Aug 2020 19:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 53 Resp: 1301793

Ion Ratio Lower Upper

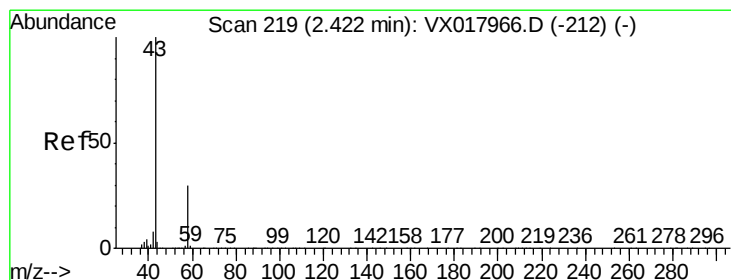
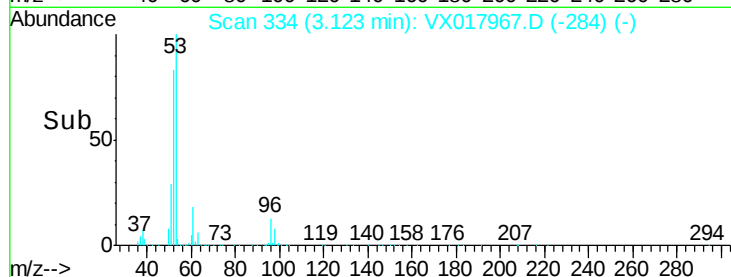
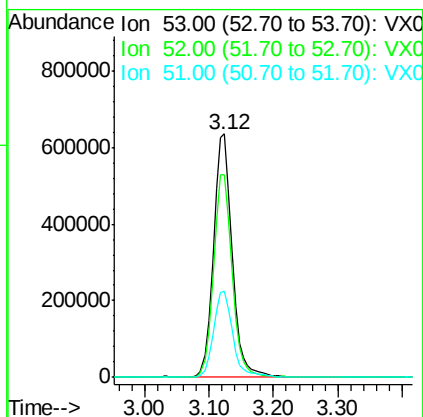
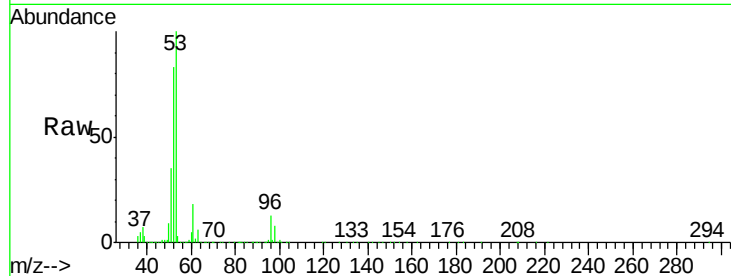
53 100

52 83.0 67.1 100.7

51 36.1 29.2 43.8

Manual Integrations
APPROVED

MMDadoda
8/19/2020 8:53:50 AM



#16

Acetone

Concen: 546.748 ug/l

RT: 2.43 min Scan# 220

Delta R.T. 0.01 min

Lab File: VX017967.D

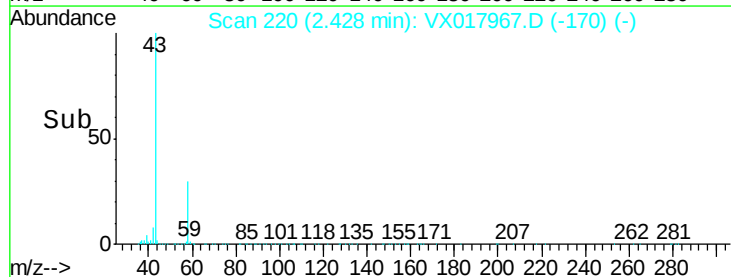
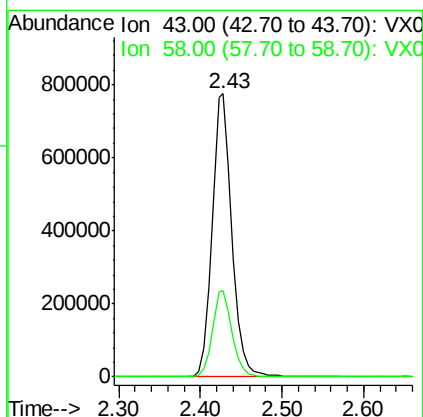
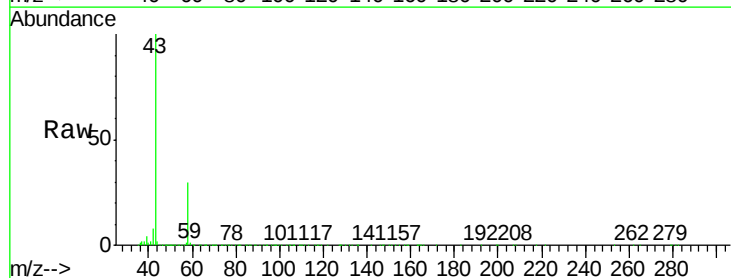
Acq: 18 Aug 2020 19:21

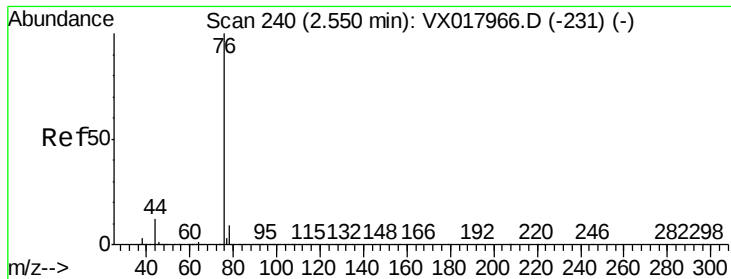
Tgt Ion: 43 Resp: 1315222

Ion Ratio Lower Upper

43 100

58 30.3 23.8 35.8





#17

Carbon Disulfide

Concen: 76.995 ug/l

RT: 2.54 min Scan# 239

Delta R.T. -0.01 min

Lab File: VX017967.D

Acq: 18 Aug 2020 19:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 984532

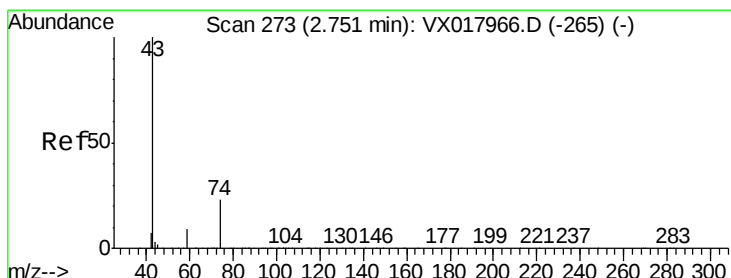
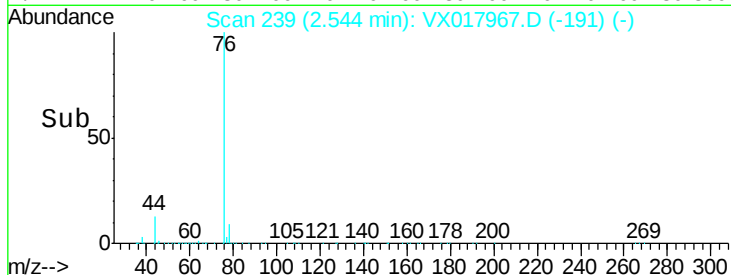
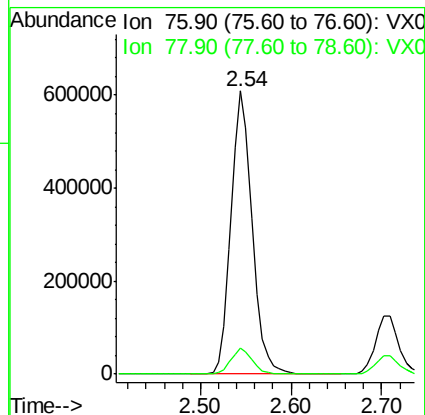
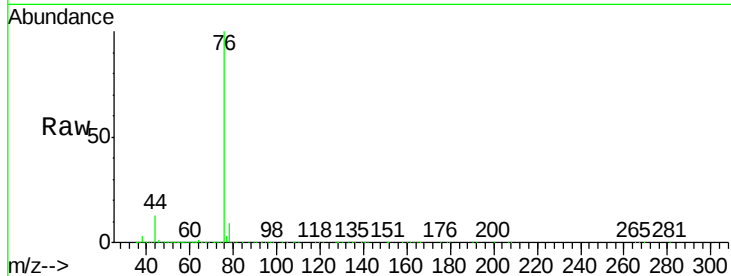
Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9

Manual Integrations
APPROVED

MMDadoda
8/19/2020 8:53:50 AM



#18

Methyl Acetate

Concen: 112.235 ug/l

RT: 2.75 min Scan# 273

Delta R.T. 0.00 min

Lab File: VX017967.D

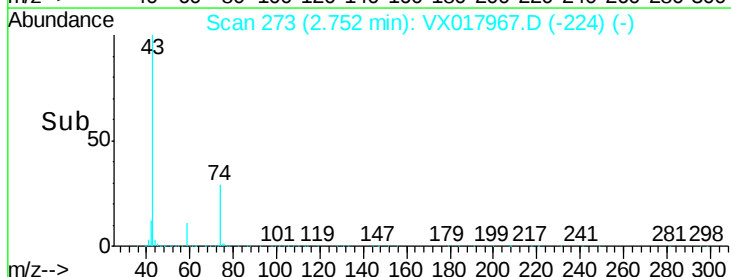
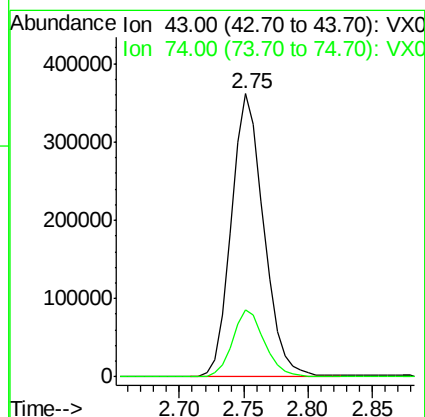
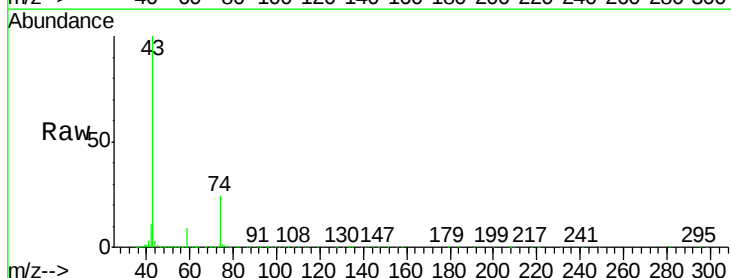
Acq: 18 Aug 2020 19:21

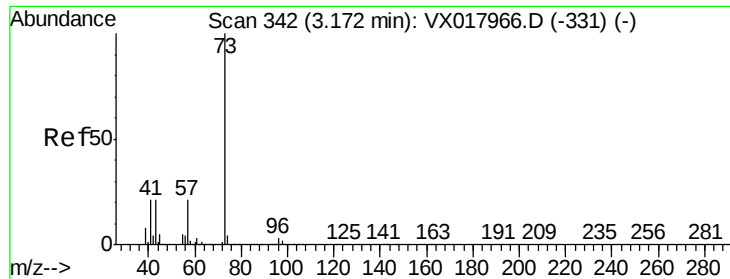
Tgt Ion: 43 Resp: 634146

Ion Ratio Lower Upper

43 100

74 23.7 19.7 29.5





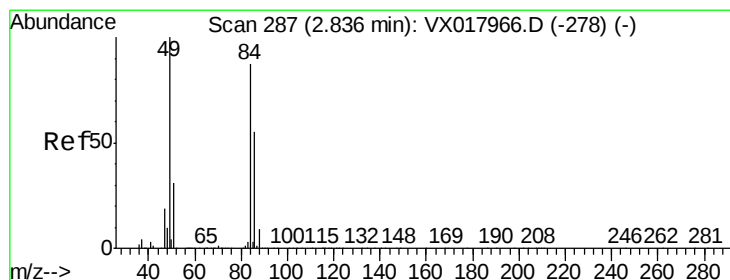
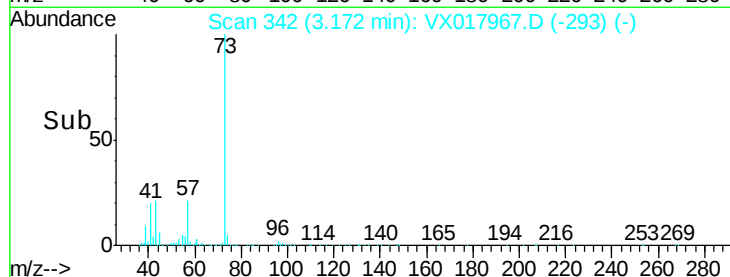
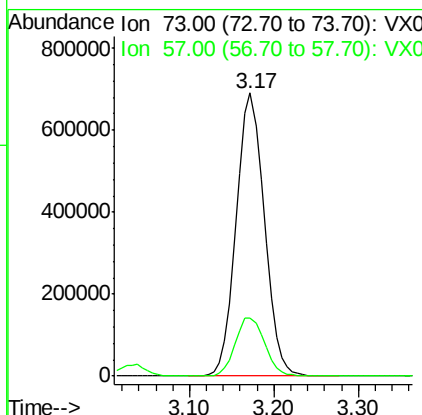
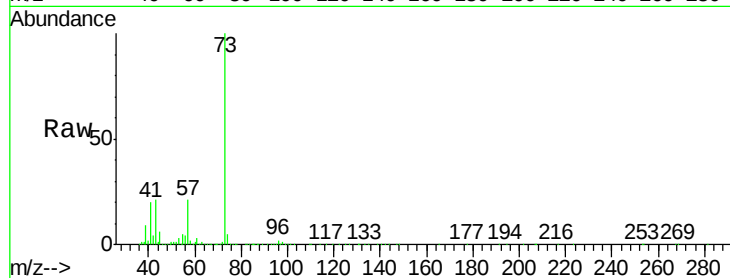
#19
Methvl tert-butvl Ether
Concen: 103.878 ug/l
RT: 3.17 min Scan# 342
Delta R.T. 0.00 min
Lab File: VX017967.D
Acq: 18 Aug 2020 19:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion: 73 Resp: 1558655
Ion Ratio Lower Upper
73 100
57 20.6 16.9 25.3

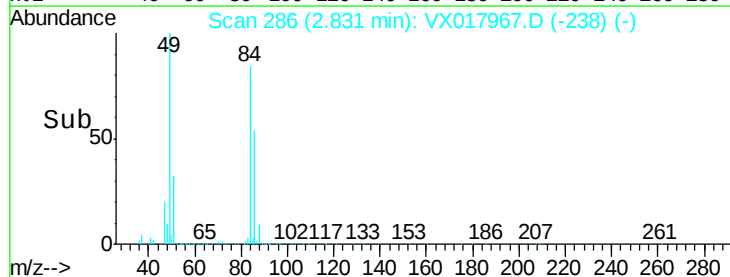
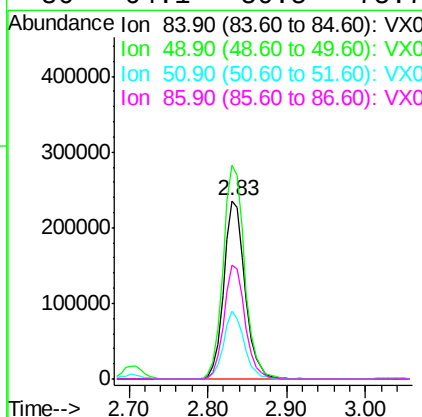
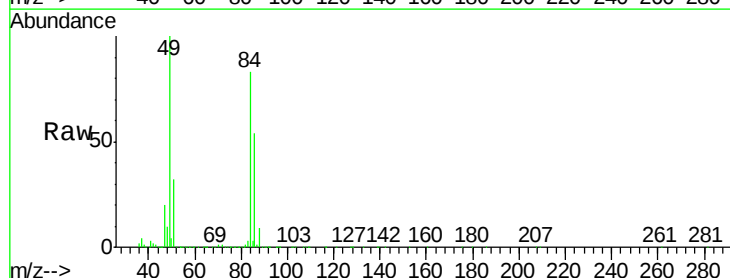
Manual Integrations
APPROVED

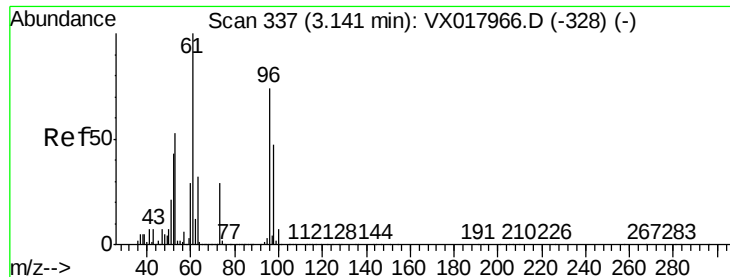
MMDadoda
8/19/2020 8:53:50 AM



#20
Methylene Chloride
Concen: 85.629 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX017967.D
Acq: 18 Aug 2020 19:21

Tgt Ion: 84 Resp: 440972
Ion Ratio Lower Upper
84 100
49 119.8 91.8 137.6
51 37.7 27.8 41.8
86 64.1 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 85.204 ug/l

RT: 3.14 min Scan# 337

Delta R.T. 0.00 min

Lab File: VX017967.D

Acq: 18 Aug 2020 19:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 96 Resp: 388339

Ion Ratio Lower Upper

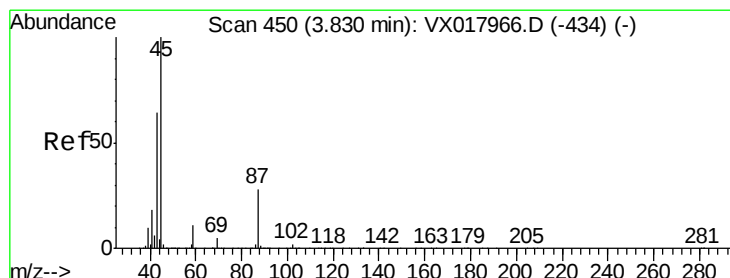
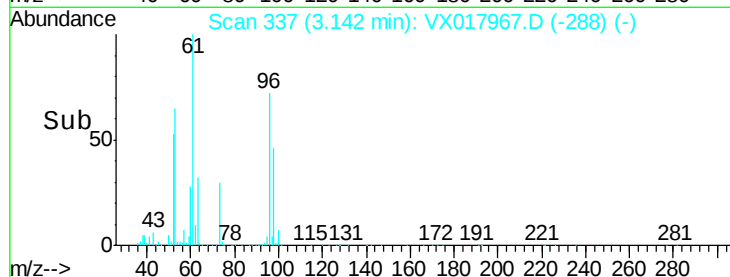
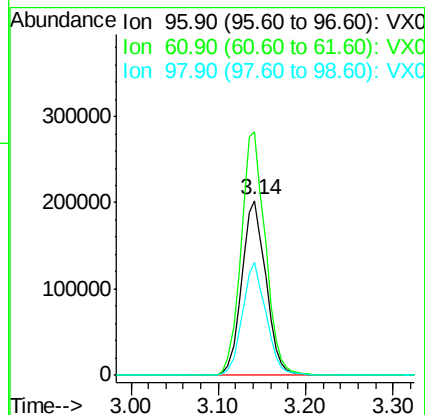
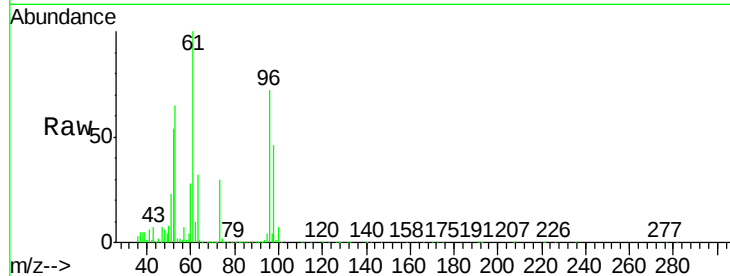
96 100

61 139.1 108.6 163.0

98 64.4 51.4 77.0

Manual Integrations
APPROVED

MMDadoda
8/19/2020 8:53:50 AM



#22

Diisopropyl ether

Concen: 106.673 ug/l

RT: 3.83 min Scan# 450

Delta R.T. 0.00 min

Lab File: VX017967.D

Acq: 18 Aug 2020 19:21

Tgt Ion: 45 Resp: 1563427

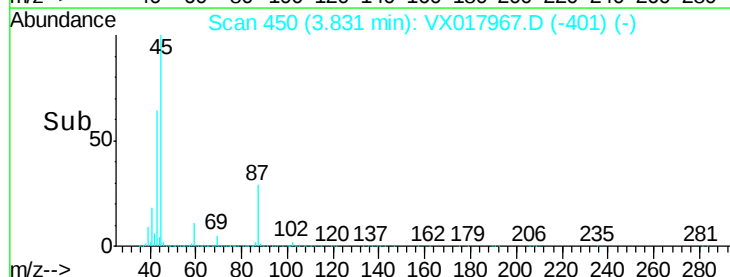
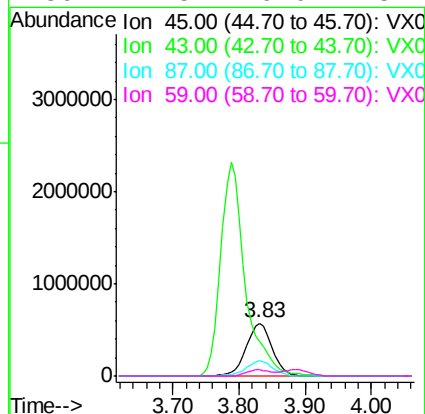
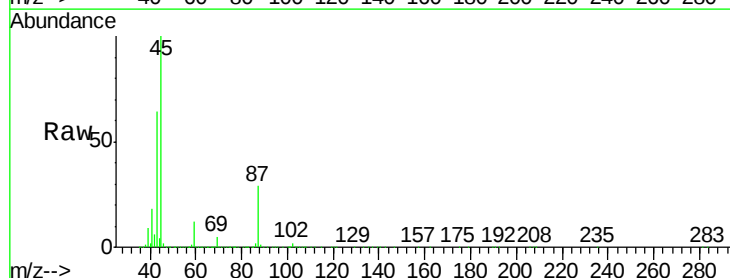
Ion Ratio Lower Upper

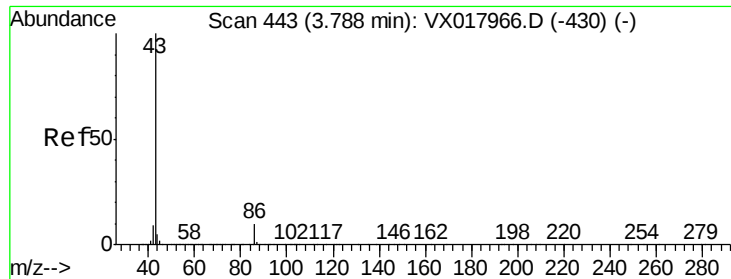
45 100

43 64.2 51.5 77.3

87 29.1 22.6 33.8

59 11.5 9.0 13.4





#23

Vinyl Acetate

Concen: 473.842 ug/l

RT: 3.79 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX017967.D

Acq: 18 Aug 2020 19:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion: 43 Resp: 5978234

Ion Ratio Lower Upper

43 100

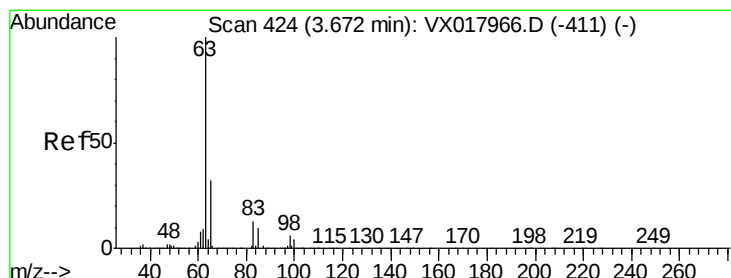
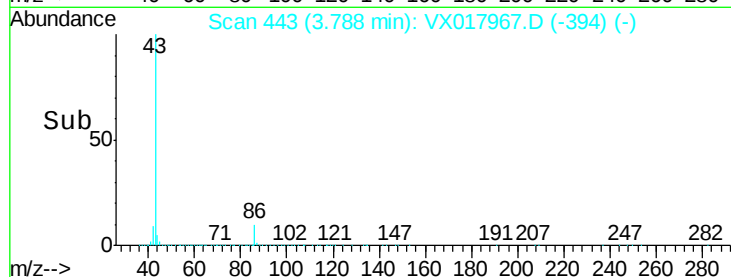
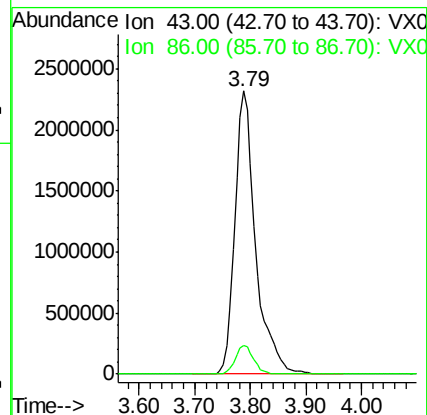
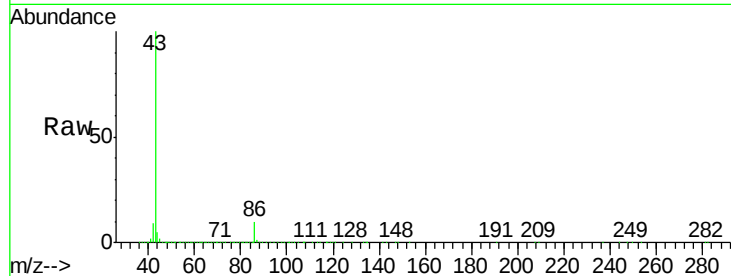
86 10.3 8.1 12.1

Manual Integrations

APPROVED

MMDadoda

8/19/2020 8:53:50 AM



#24

1,1-Dichloroethane

Concen: 93.042 ug/l

RT: 3.67 min Scan# 424

Delta R.T. 0.00 min

Lab File: VX017967.D

Acq: 18 Aug 2020 19:21

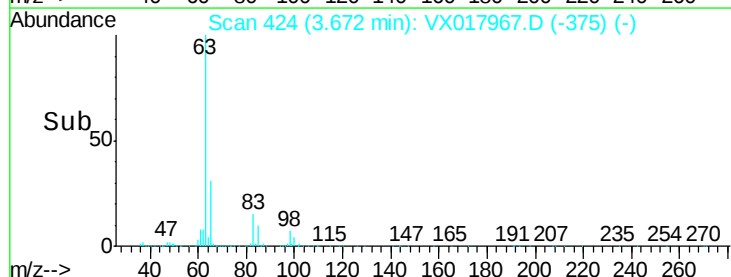
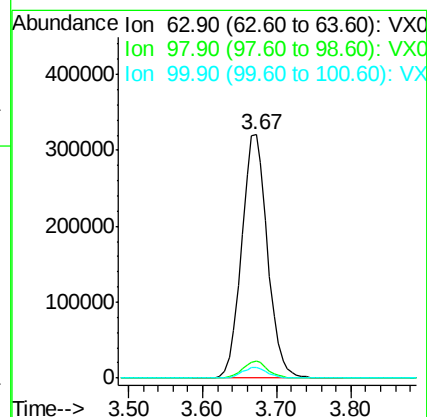
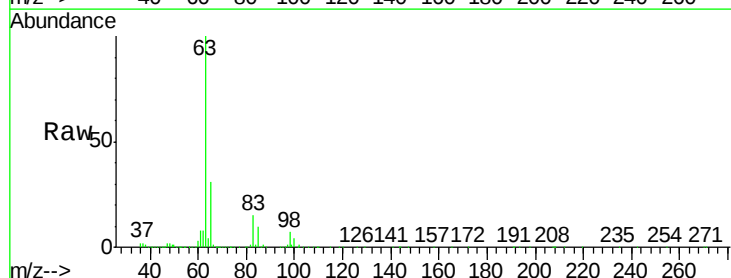
Tgt Ion: 63 Resp: 780726

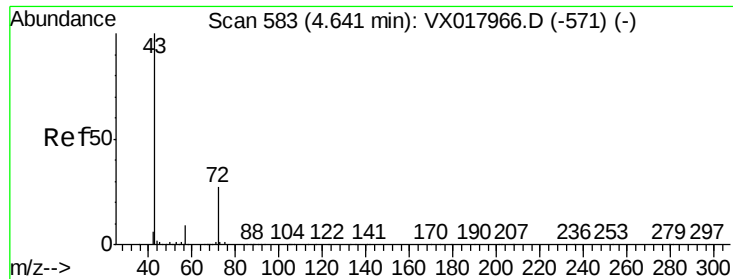
Ion Ratio Lower Upper

63 100

98 6.8 3.0 9.0

100 4.4 2.0 5.8





#25

2-Butanone

Concen: 615.834 ug/l

RT: 4.64 min Scan# 583

Delta R.T. 0.00 min

Lab File: VX017967.D

Acq: 18 Aug 2020 19:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 2120589

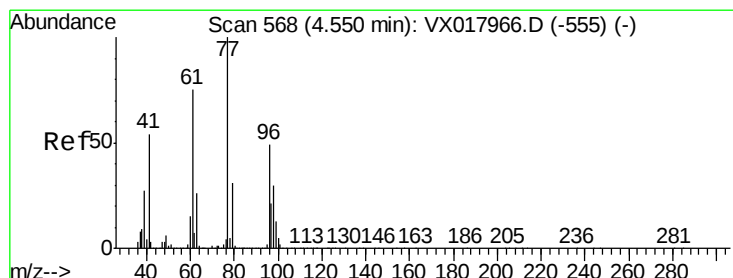
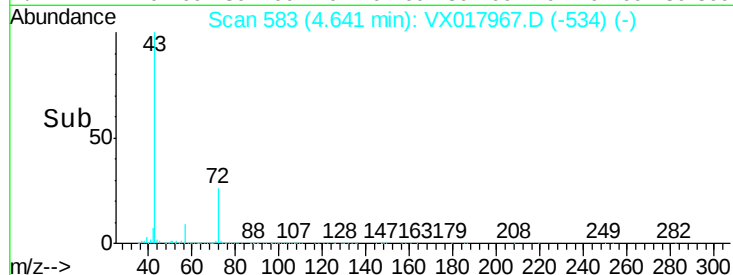
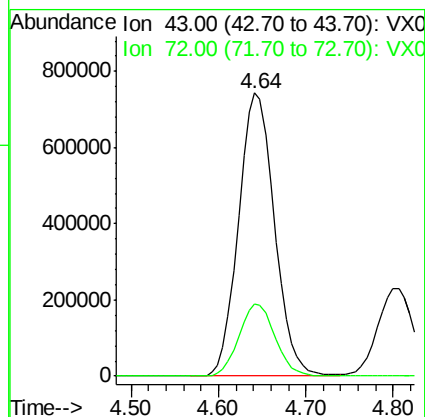
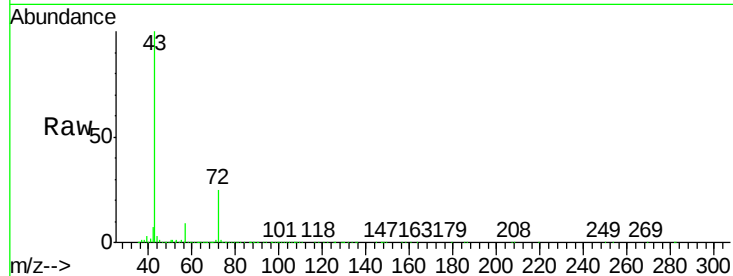
Ion Ratio Lower Upper

43 100

72 25.4 21.4 32.2

Manual Integrations
APPROVED

MMDadoda
8/19/2020 8:53:50 AM



#26

2,2-Dichloropropane

Concen: 99.942 ug/l

RT: 4.55 min Scan# 568

Delta R.T. 0.00 min

Lab File: VX017967.D

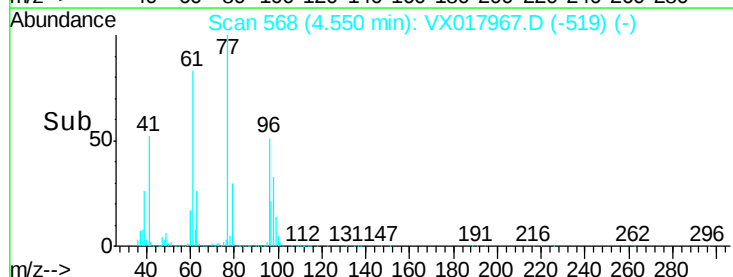
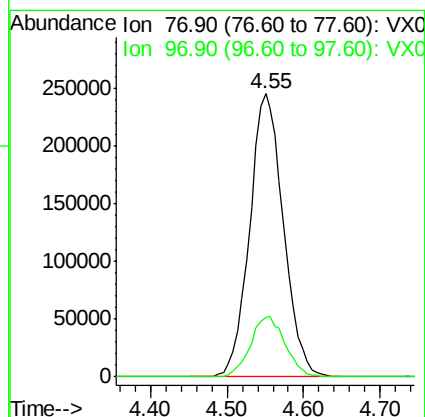
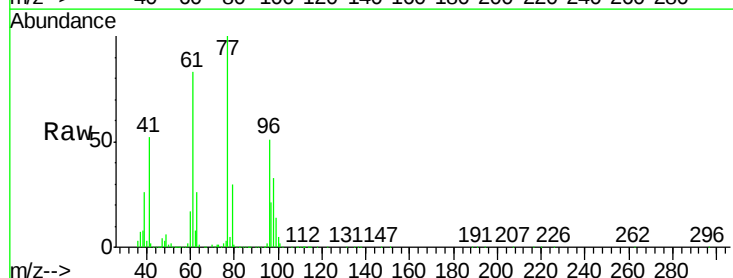
Acq: 18 Aug 2020 19:21

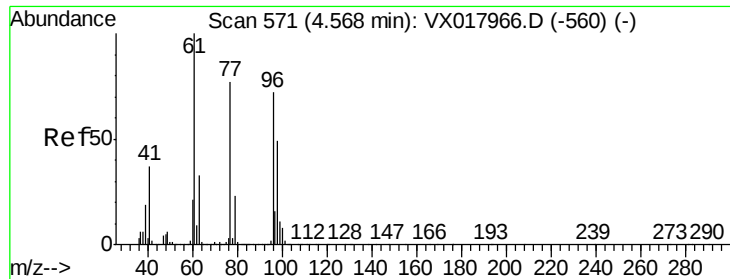
Tgt Ion: 77 Resp: 754496

Ion Ratio Lower Upper

77 100

97 22.0 10.9 32.9





#27

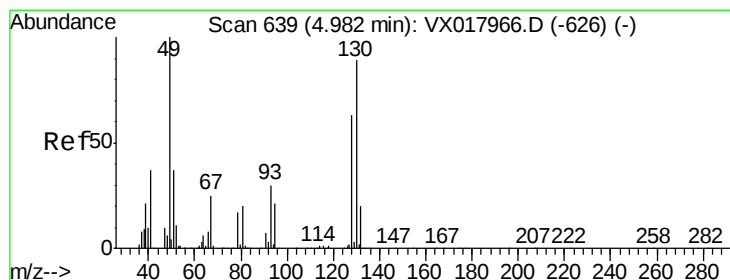
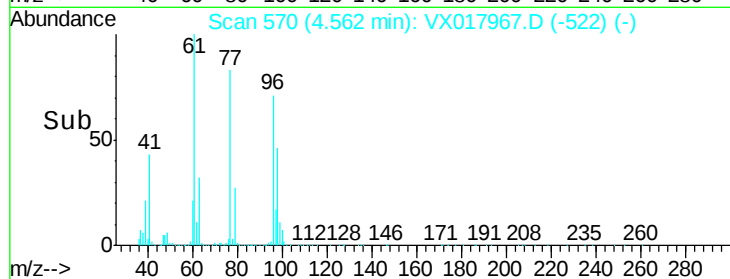
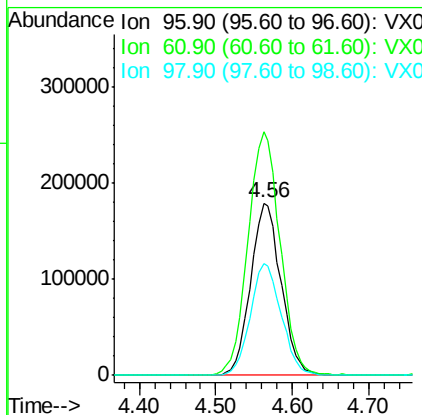
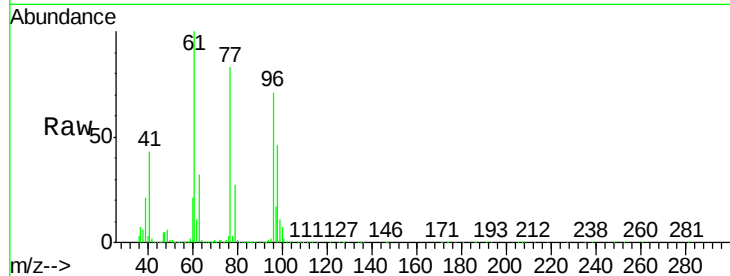
cis-1,2-Dichloroethene
Concen: 97.776 ug/l
RT: 4.56 min Scan# 570
Delta R.T. -0.01 min
Lab File: VX017967.D
Acq: 18 Aug 2020 19:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100	494662		
61	149.9	0.0	298.8	
98	66.1	0.0	130.2	

Manual Integrations
APPROVED

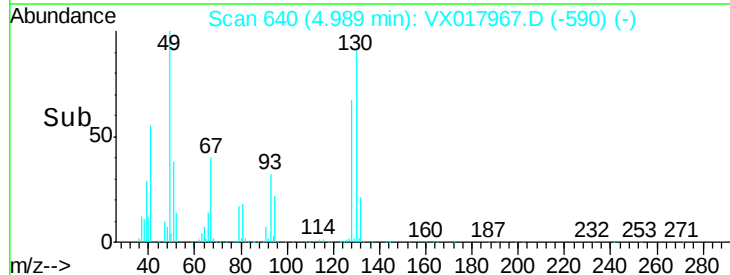
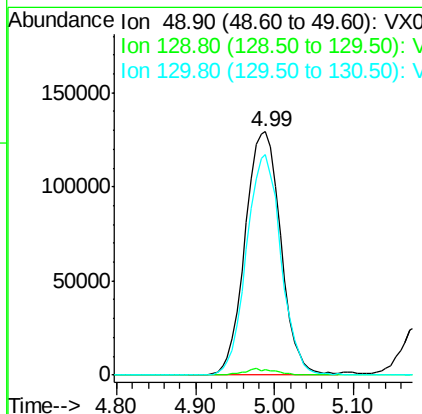
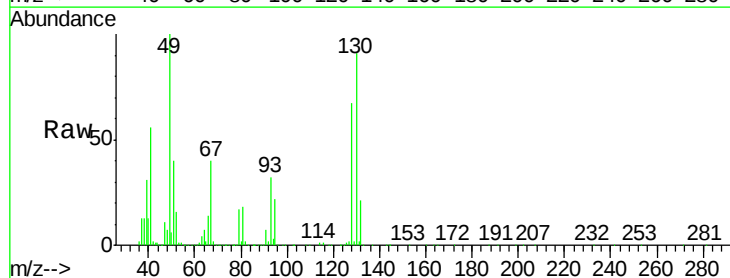
MMDadoda
8/19/2020 8:53:50 AM

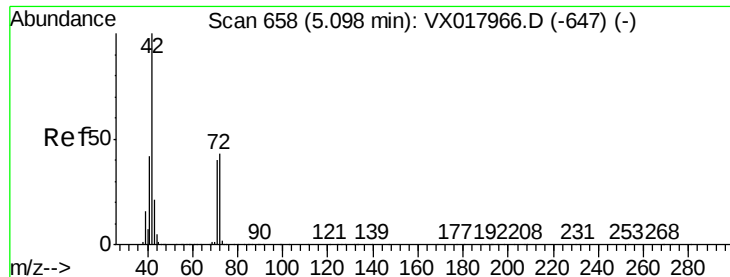


#28

Bromochloromethane
Concen: 105.374 ug/l
RT: 4.99 min Scan# 640
Delta R.T. 0.01 min
Lab File: VX017967.D
Acq: 18 Aug 2020 19:21

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	406984		
129	2.4	0.0	3.6	
130	87.5	68.5	102.7	





#29

Tetrahydrofuran

Concen: 592.686 ug/l

RT: 5.09 min Scan# 657

Delta R.T. -0.01 min

Lab File: VX017967.D

Acq: 18 Aug 2020 19:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 42 Resp: 1269783

Ion Ratio Lower Upper

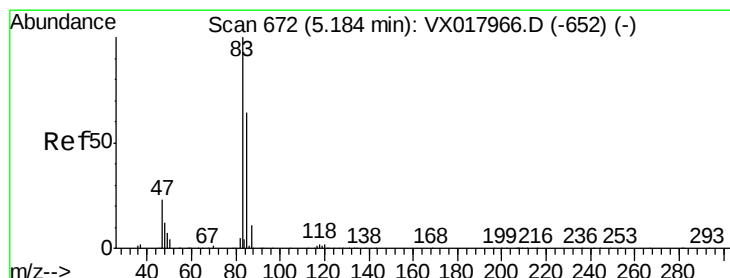
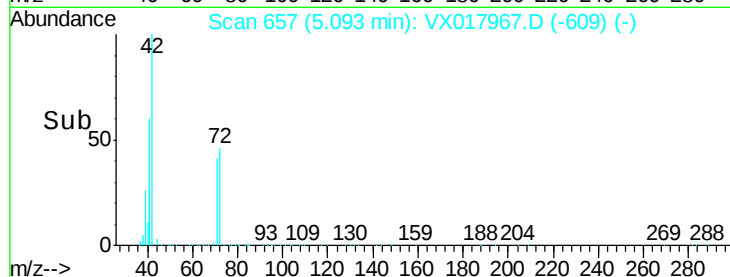
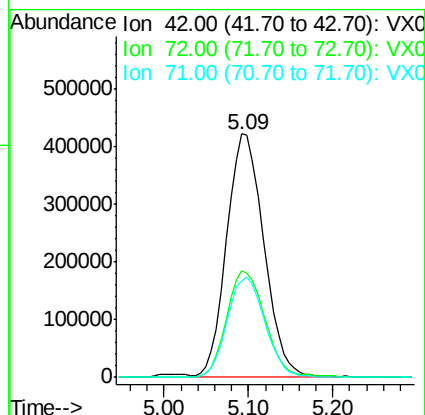
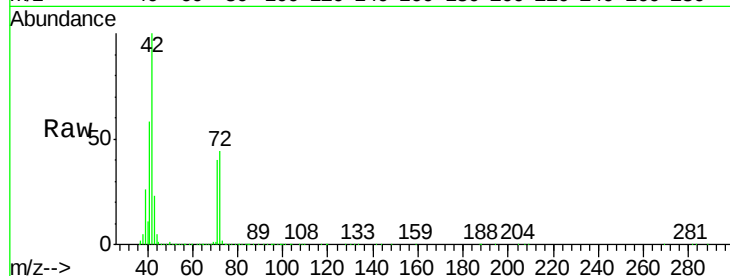
42 100

72 45.1 35.9 53.9

71 41.7 33.0 49.4

Manual Integrations
APPROVED

MMDadoda
8/19/2020 8:53:50 AM



#30

Chloroform

Concen: 106.019 ug/l

RT: 5.18 min Scan# 671

Delta R.T. -0.01 min

Lab File: VX017967.D

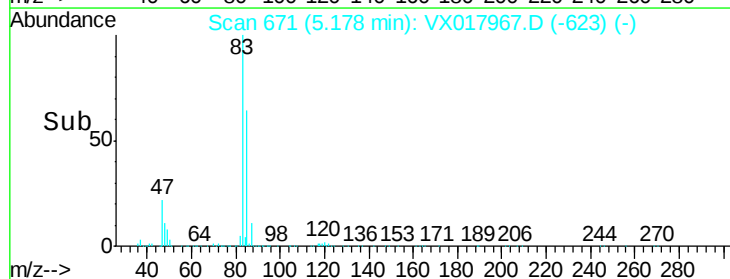
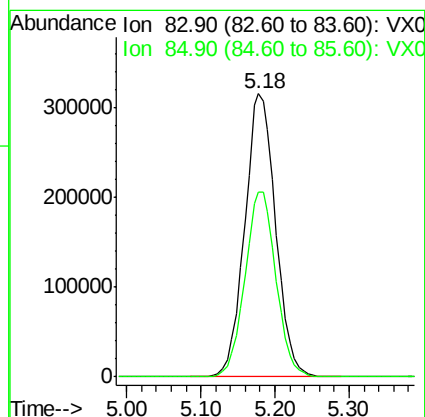
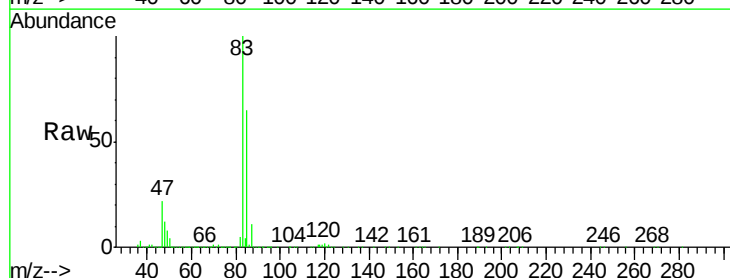
Acq: 18 Aug 2020 19:21

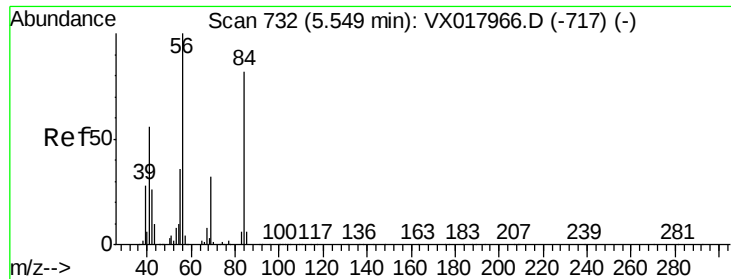
Tgt Ion: 83 Resp: 916627

Ion Ratio Lower Upper

83 100

85 65.3 51.3 76.9





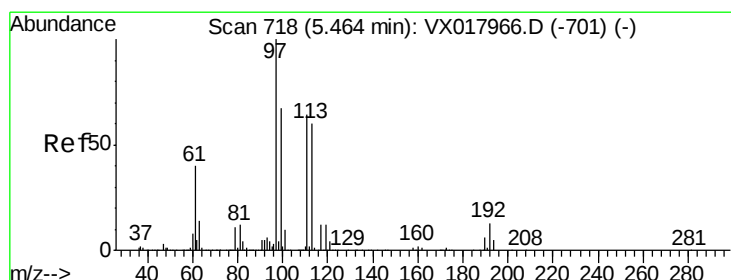
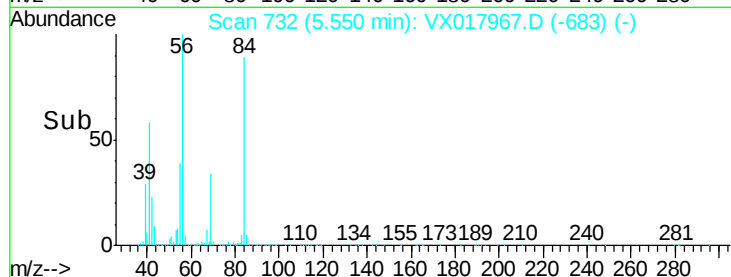
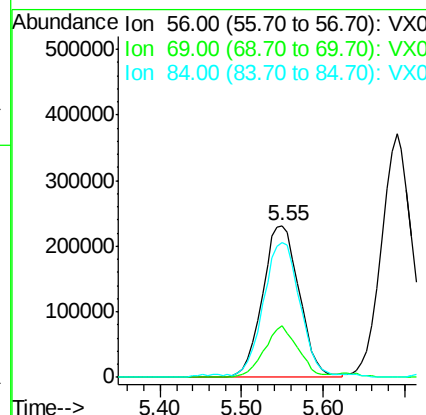
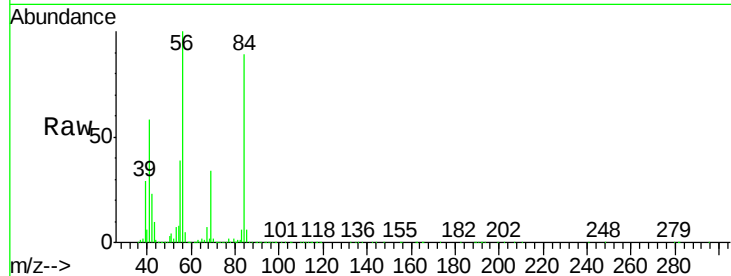
#31
Cyclohexane
Concen: 106.590 ug/l
RT: 5.55 min Scan# 732
Delta R.T. 0.00 min
Lab File: VX017967.D
Acq: 18 Aug 2020 19:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.9	25.3	37.9
84	88.0	65.3	97.9

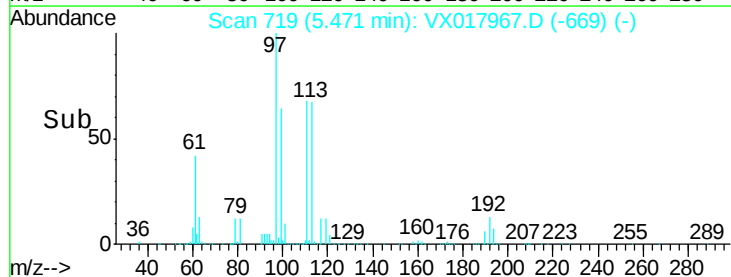
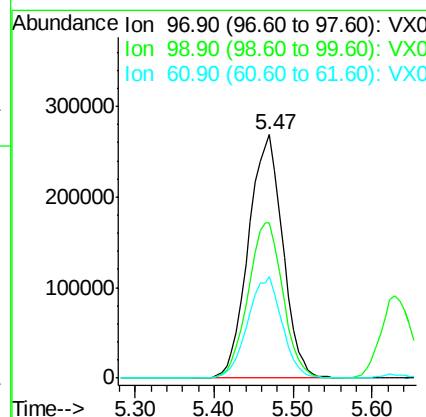
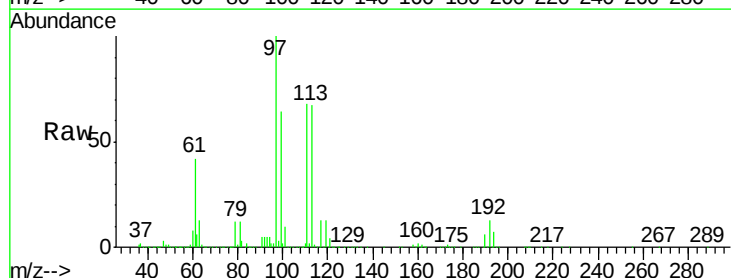
Manual Integrations
APPROVED

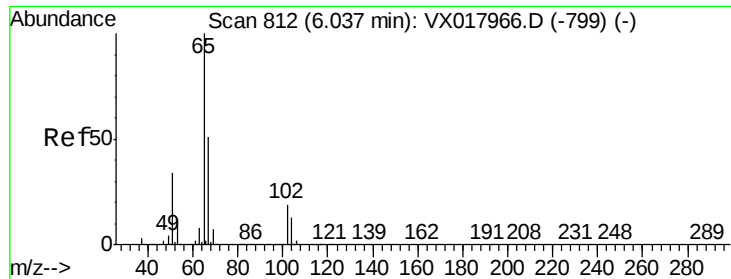
MMDadoda
8/19/2020 8:53:50 AM



#32
1,1,1-Trichloroethane
Concen: 100.091 ug/l
RT: 5.47 min Scan# 719
Delta R.T. 0.01 min
Lab File: VX017967.D
Acq: 18 Aug 2020 19:21

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.4	77.0
61	41.9	33.7	50.5





#33

1,2-Dichloroethane-d4

Concen: 109.659 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.01 min

Lab File: VX017967.D

Acq: 18 Aug 2020 19:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 65 Resp: 602035

Ion Ratio Lower Upper

65 100

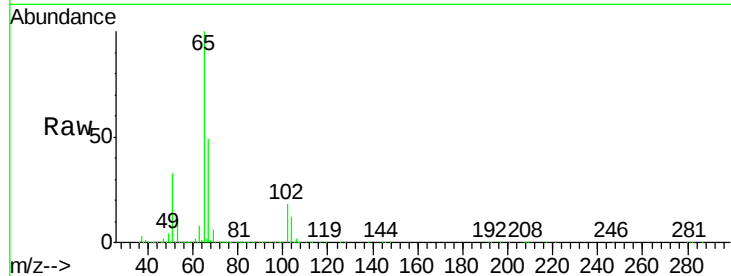
67 50.5 0.0 103.0

Manual Integrations

APPROVED

MMDadoda

8/19/2020 8:53:50 AM



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.03

250000

200000

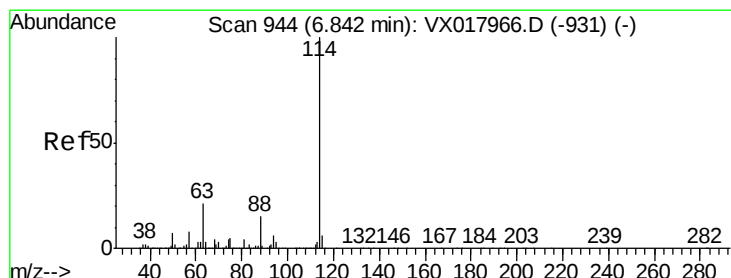
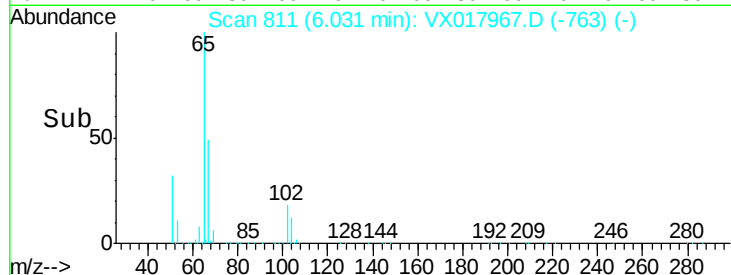
150000

100000

50000

0

Time--> 5.90 6.00 6.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. -0.01 min

Lab File: VX017967.D

Acq: 18 Aug 2020 19:21

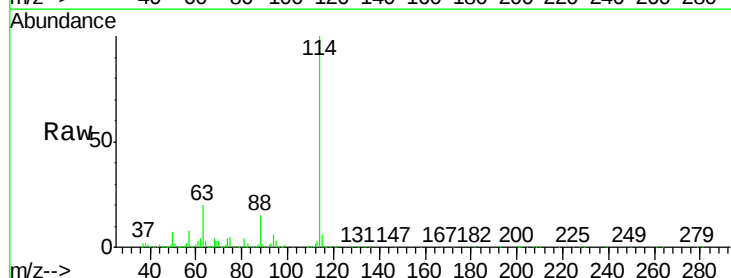
Tgt Ion: 114 Resp: 670281

Ion Ratio Lower Upper

114 100

63 19.5 0.0 42.6

88 14.9 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.84

400000

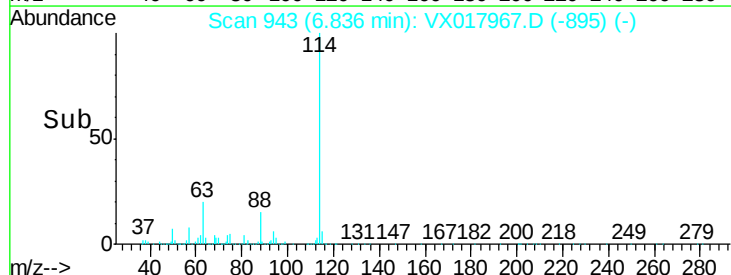
300000

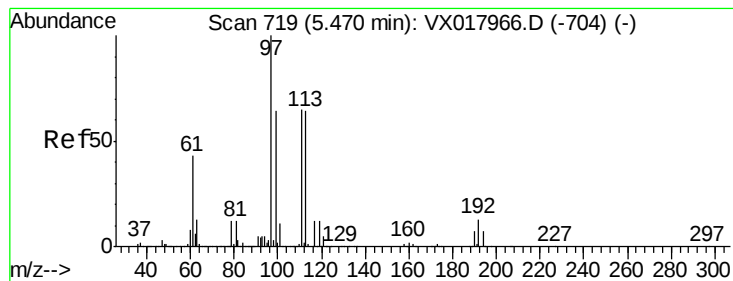
200000

100000

0

Time--> 6.70 6.80 6.90





#35

Dibromofluoromethane

Concen: 104.968 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.00 min

Lab File: VX017967.D

Acq: 18 Aug 2020 19:21

Instrument :

MSVOA_X

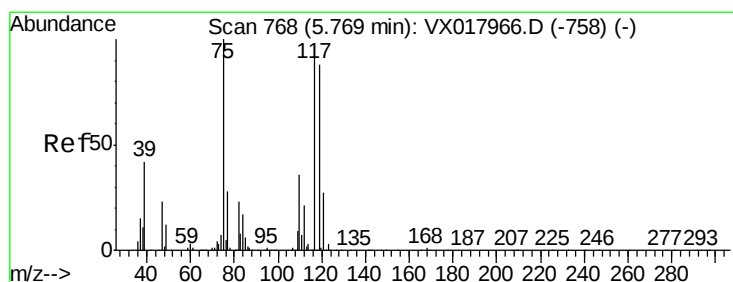
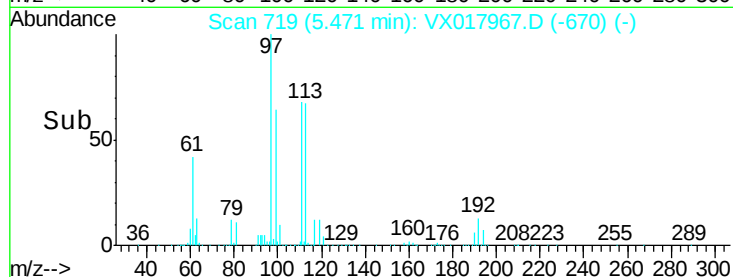
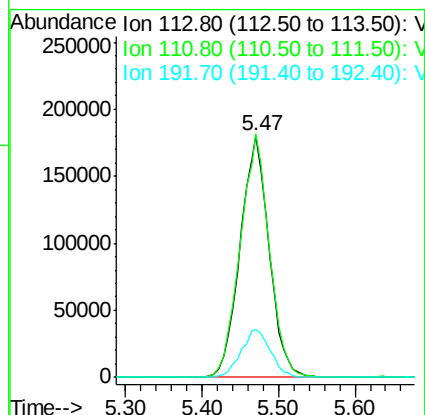
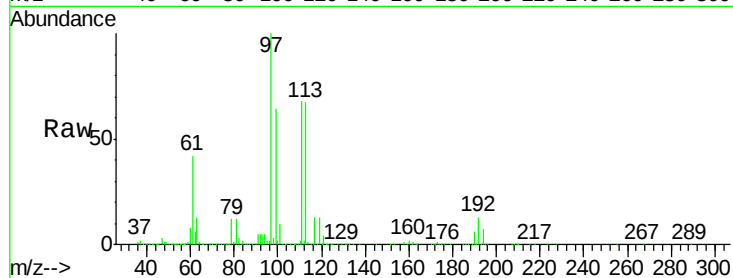
ClientSampleId :

VSTDIC100

Tot Ion:	113	Resp:	473103
Ion Ratio	Lower	Upper	
113	100		
111	101.2	83.5	125.3
192	20.2	16.2	24.4

Manual Integrations
APPROVED

MMDadoda
8/19/2020 8:53:50 AM



#36

1,1-Dichloropropene

Concen: 93.950 ug/l

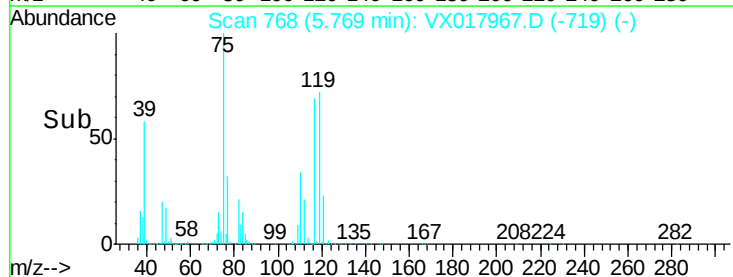
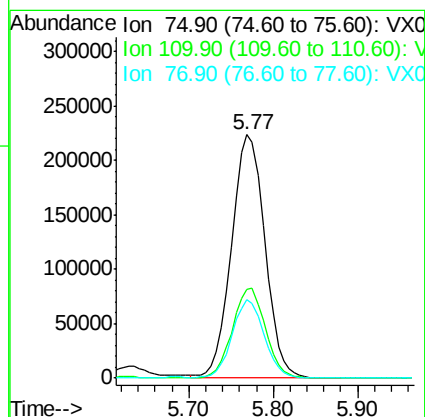
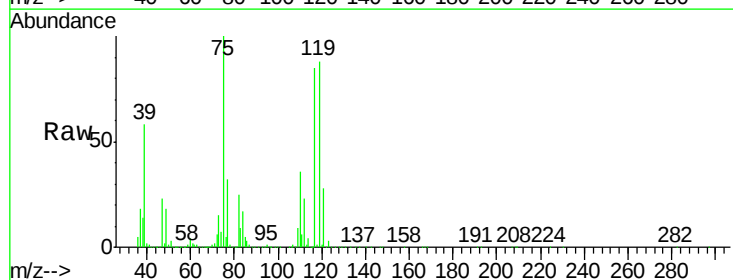
RT: 5.77 min Scan# 768

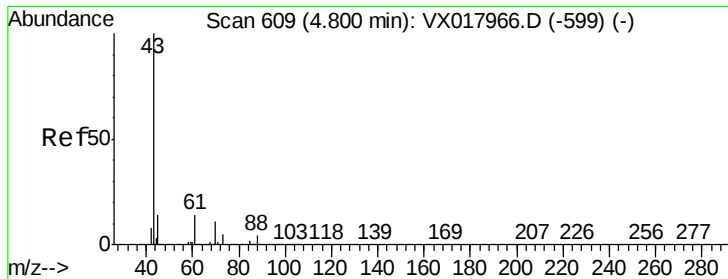
Delta R.T. 0.00 min

Lab File: VX017967.D

Acq: 18 Aug 2020 19:21

Tgt Ion:	75	Resp:	599875
Ion Ratio	Lower	Upper	
75	100		
110	36.6	18.7	56.1
77	31.1	24.4	36.6





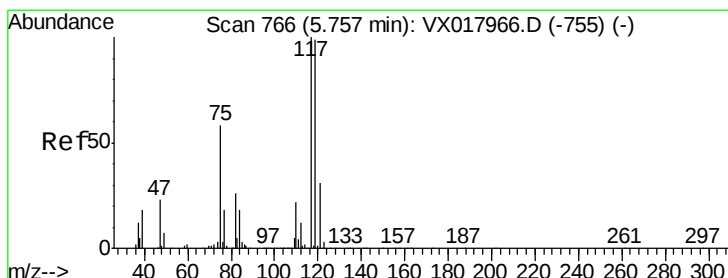
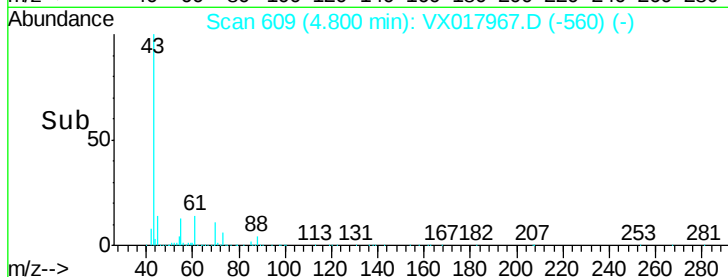
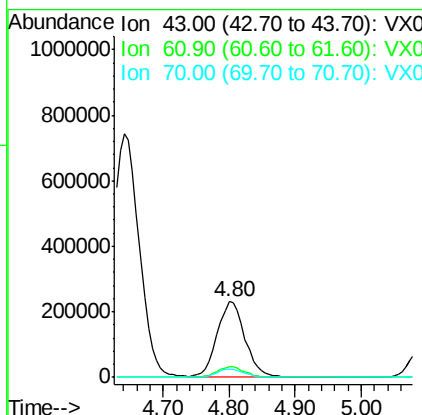
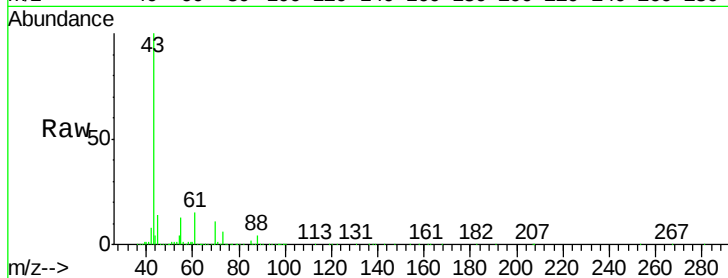
#37
Ethyl Acetate
Concen: 98.364 ug/l
RT: 4.80 min Scan# 609
Delta R.T. 0.00 min
Lab File: VX017967.D
Acq: 18 Aug 2020 19:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion:	43	Resp:	675800
Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.3	16.9
70	10.9	8.5	12.7

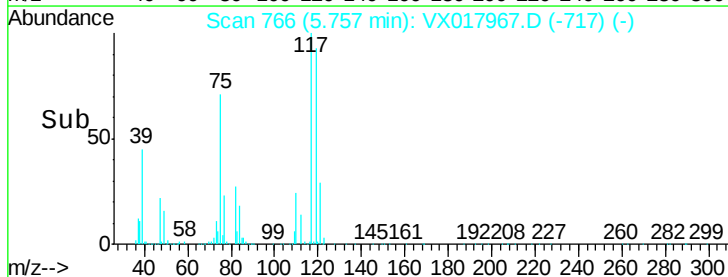
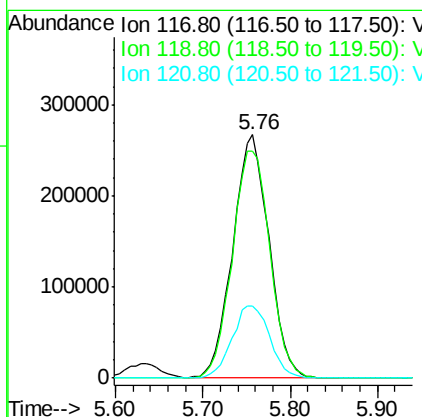
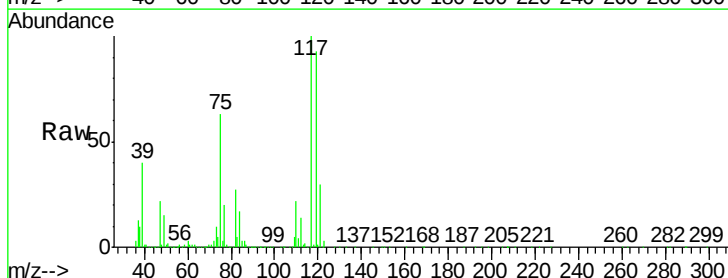
Manual Integrations
APPROVED

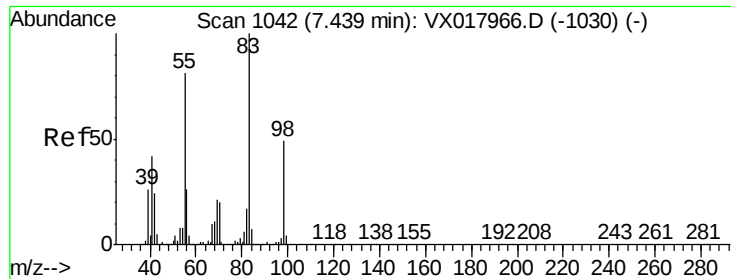
MMDadoda
8/19/2020 8:53:50 AM



#38
Carbon Tetrachloride
Concen: 97.633 ug/l
RT: 5.76 min Scan# 766
Delta R.T. 0.00 min
Lab File: VX017967.D
Acq: 18 Aug 2020 19:21

Tgt Ion:	117	Resp:	764915
Ion	Ratio	Lower	Upper
117	100		
119	93.2	79.0	118.6
121	29.6	24.7	37.1





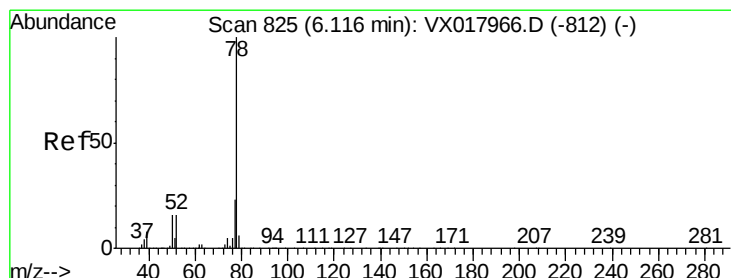
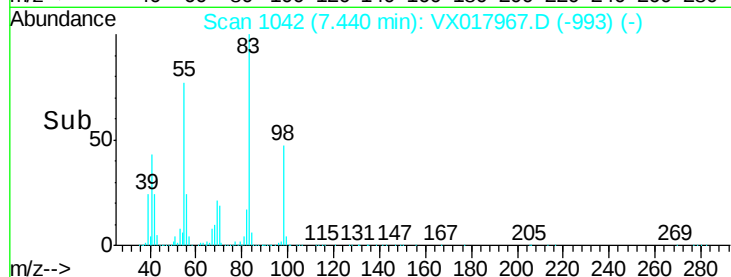
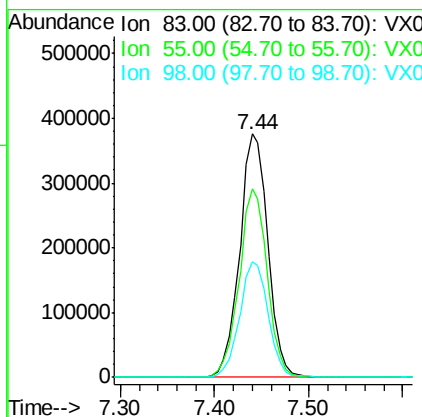
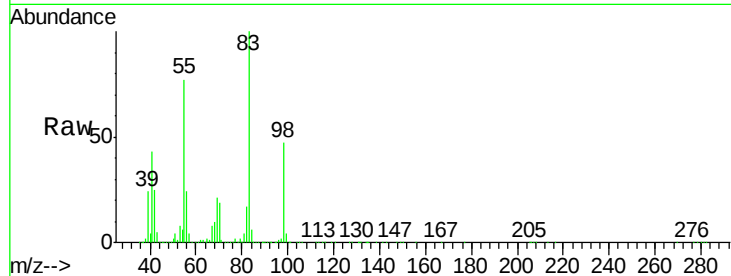
#39
Methvlcvclohexane
Concen: 104.330 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VX017967.D
Acq: 18 Aug 2020 19:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.3	64.5	96.7
98	47.4	39.0	58.6

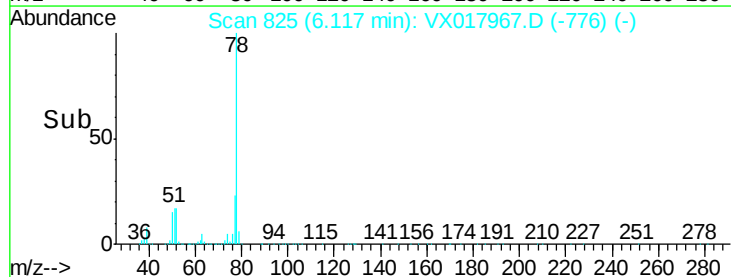
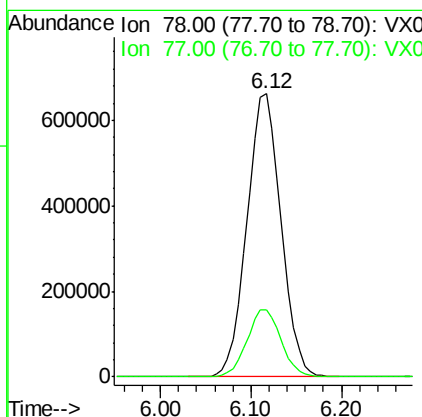
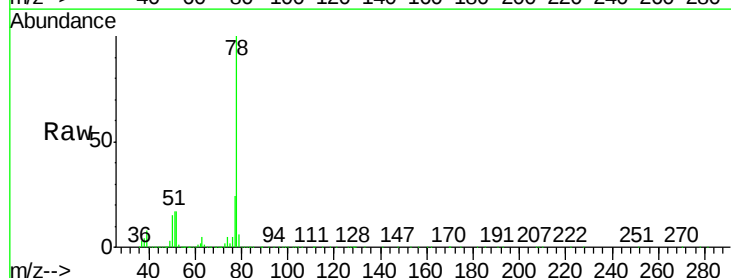
Manual Integrations
APPROVED

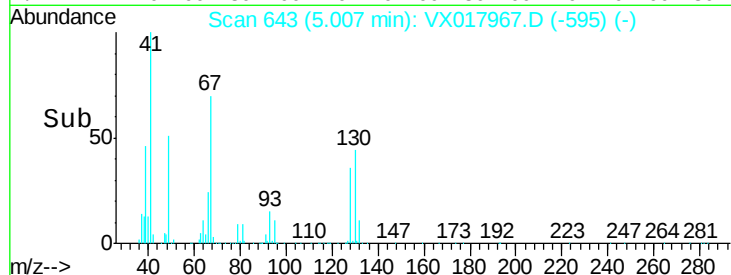
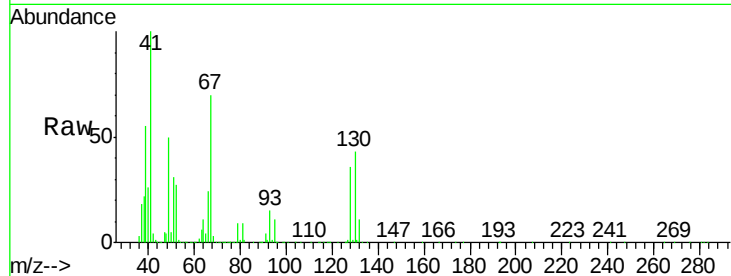
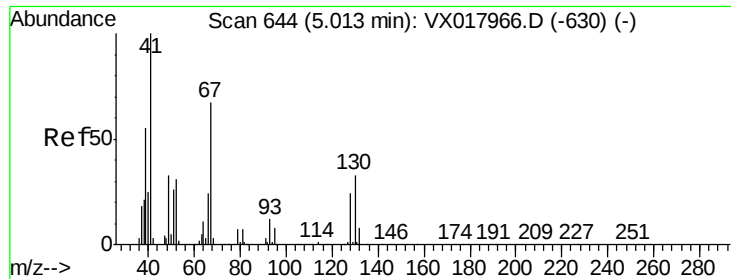
MMDadoda
8/19/2020 8:53:50 AM



#40
Benzene
Concen: 94.393 ug/l
RT: 6.12 min Scan# 825
Delta R.T. 0.00 min
Lab File: VX017967.D
Acq: 18 Aug 2020 19:21

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.8	28.2





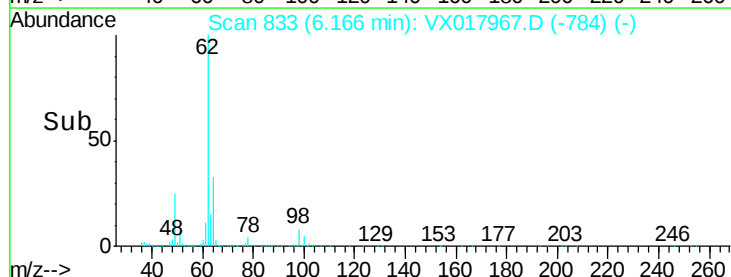
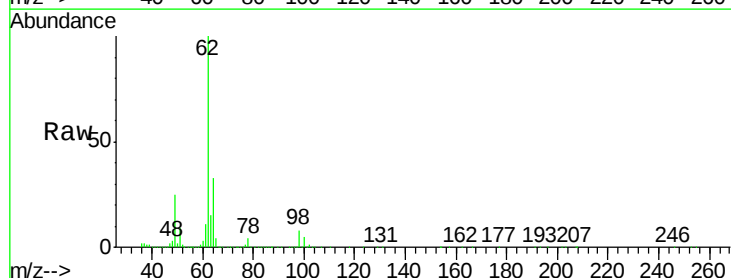
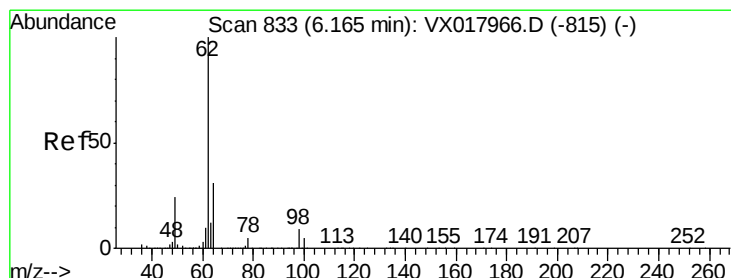
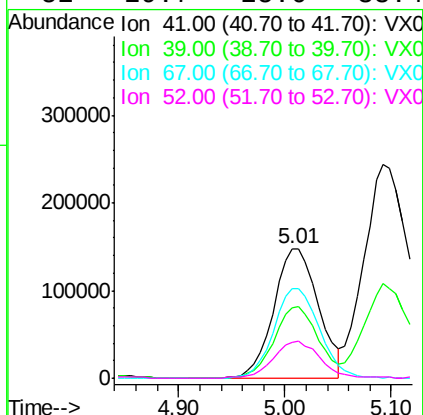
#41
Methacrylonitrile
Concen: 106.347 ug/l
RT: 5.01 min Scan# 643
Delta R.T. -0.01 min
Lab File: VX017967.D
Acq: 18 Aug 2020 19:21

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		426952		
39	54.5	44.8	67.2		
67	71.3	57.5	86.3		
52	29.7	25.6	38.4		

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

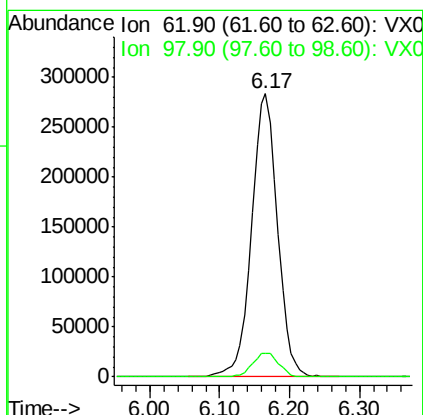
Manual Integrations
APPROVED

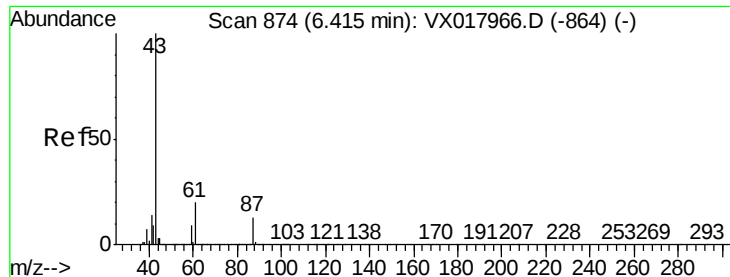
MMDadoda
8/19/2020 8:53:50 AM



#42
1,2-Dichloroethane
Concen: 96.968 ug/l
RT: 6.17 min Scan# 833
Delta R.T. 0.00 min
Lab File: VX017967.D
Acq: 18 Aug 2020 19:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		726223		
98	8.7	0.0	17.2		





#43

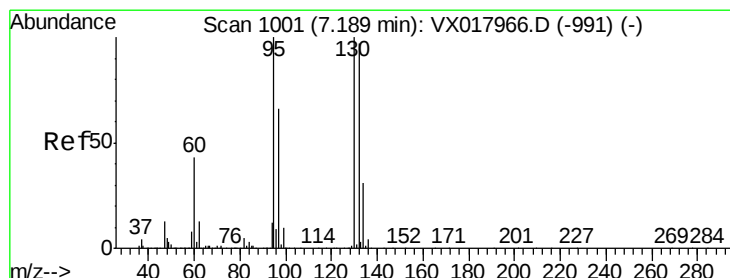
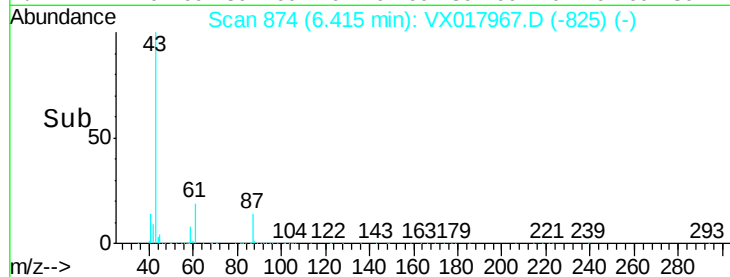
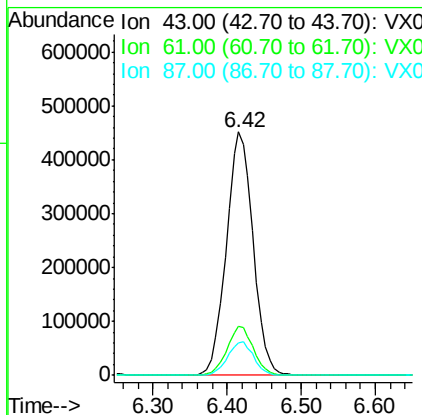
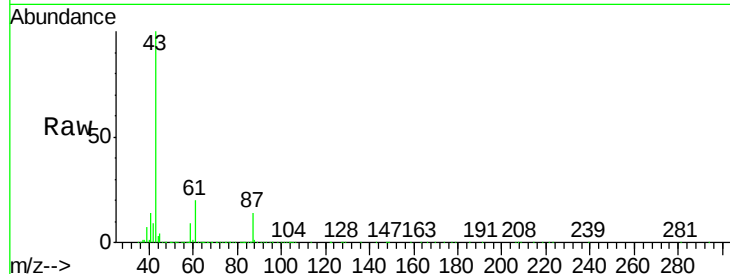
Isopropyl Acetate
 Concen: 100.265 ug/l
 RT: 6.42 min Scan# 874
 Delta R.T. 0.00 min
 Lab File: VX017967.D
 Acq: 18 Aug 2020 19:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.8	16.2	24.4
87	13.7	10.8	16.2

Manual Integrations
 APPROVED

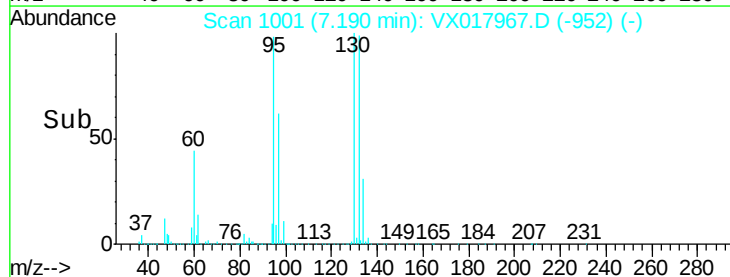
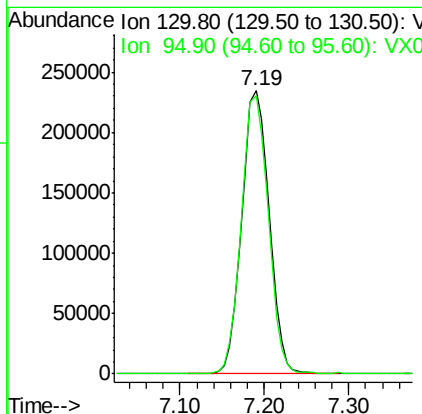
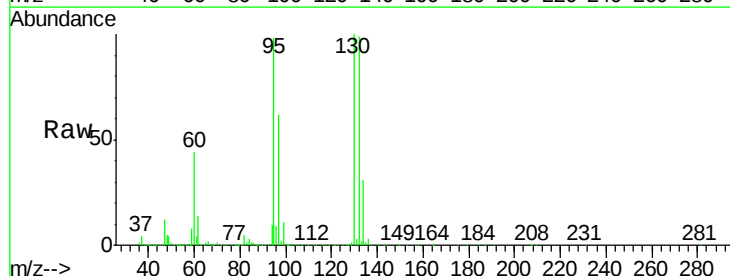
MMDadoda
 8/19/2020 8:53:50 AM

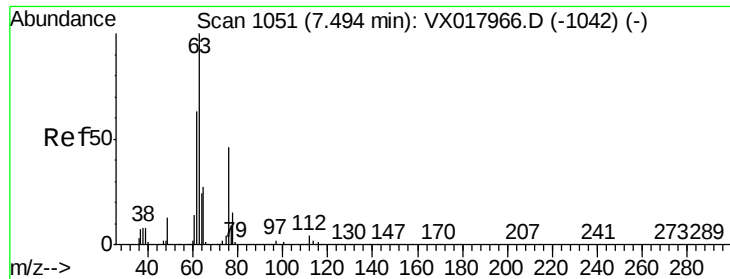


#44

Trichloroethene
 Concen: 95.720 ug/l
 RT: 7.19 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: VX017967.D
 Acq: 18 Aug 2020 19:21

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.3	0.0	200.6





#45

1,2-Dichloropropane

Concen: 96.277 ug/l

RT: 7.49 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VX017967.D

Acq: 18 Aug 2020 19:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 494037

Ion Ratio Lower Upper

63 100

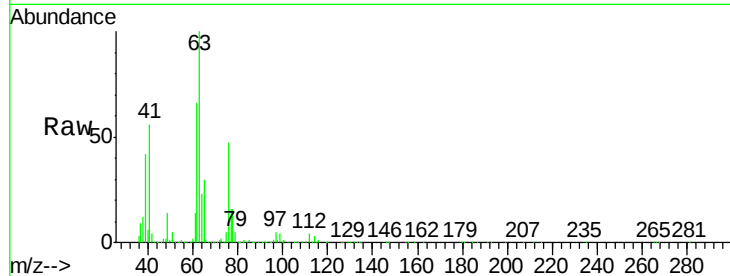
65 30.1 23.8 35.8

Manual Integrations

APPROVED

MMDadoda

8/19/2020 8:53:50 AM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

250000

200000

150000

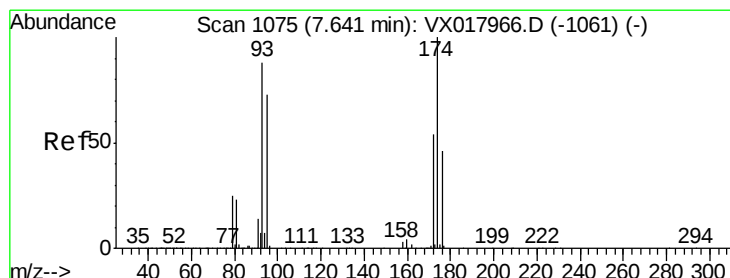
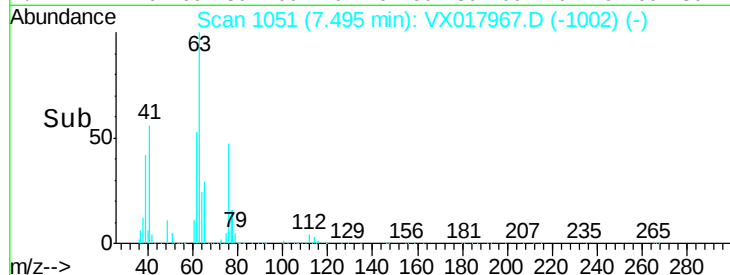
100000

50000

0

7.30 7.40 7.50 7.60

Time-->



#46

Dibromomethane

Concen: 93.422 ug/l

RT: 7.64 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VX017967.D

Acq: 18 Aug 2020 19:21

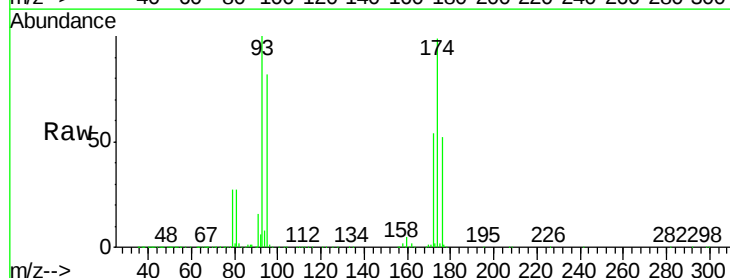
Tgt Ion: 93 Resp: 338072

Ion Ratio Lower Upper

93 100

95 83.3 66.8 100.2

174 107.5 88.3 132.5



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

250000

200000

150000

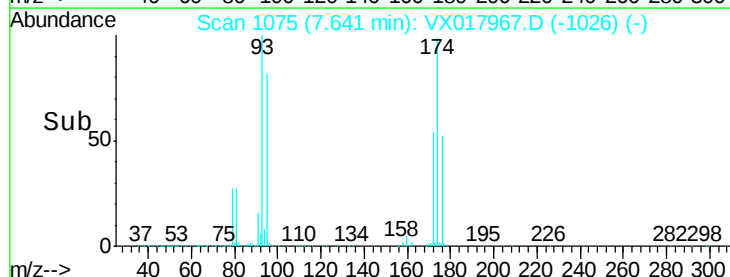
100000

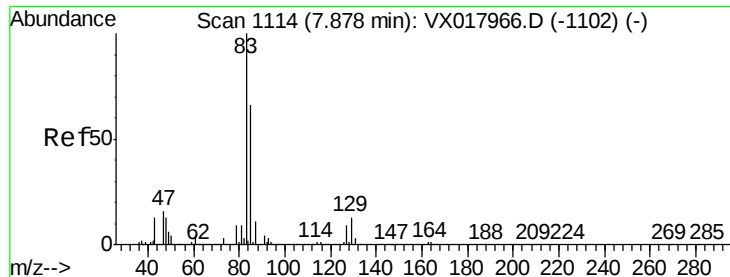
50000

0

7.50 7.60 7.70 7.80

Time-->





#47

Bromodichloromethane

Concen: 99.113 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VX017967.D

Acq: 18 Aug 2020 19:21

Instrument :

MSVOA_X

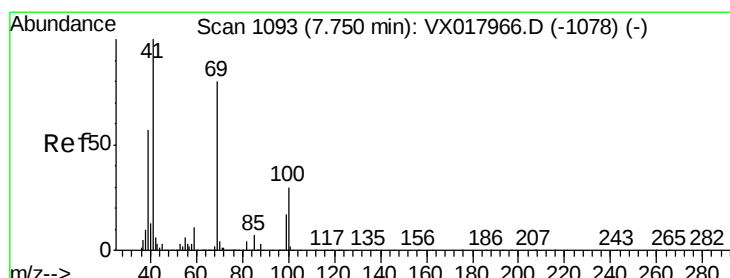
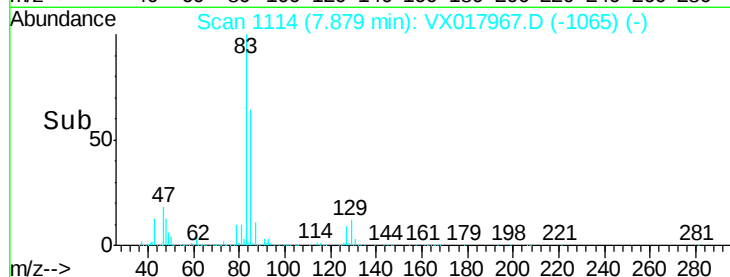
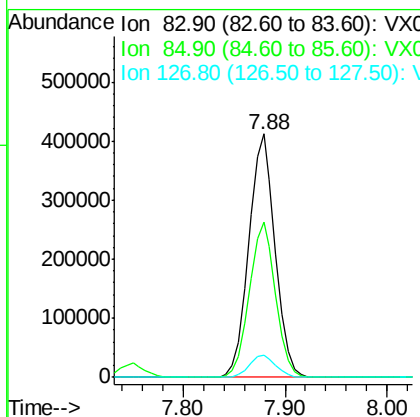
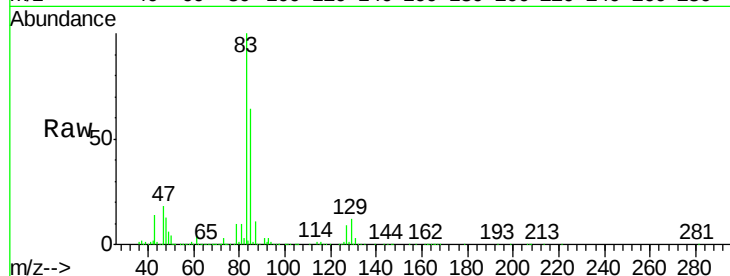
ClientSampleId :

VSTDICC100

Tot Ion:	83	Resp:	735664
Ion Ratio	Lower	Upper	
83	100		
85	63.9	52.4	78.6
127	9.3	7.0	10.6

Manual Integrations
APPROVED

MMDadoda
8/19/2020 8:53:50 AM



#48

Methyl methacrylate

Concen: 100.188 ug/l

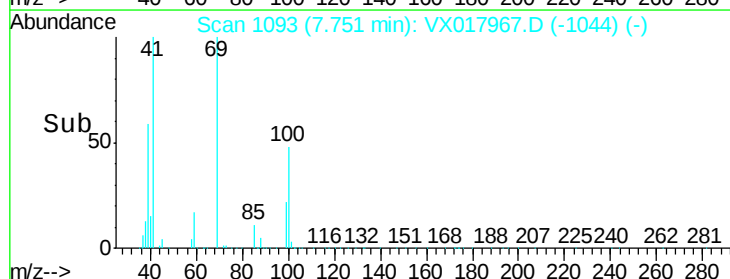
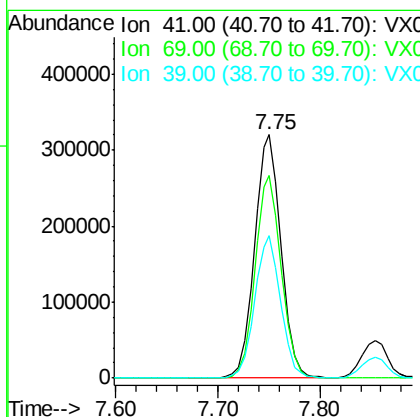
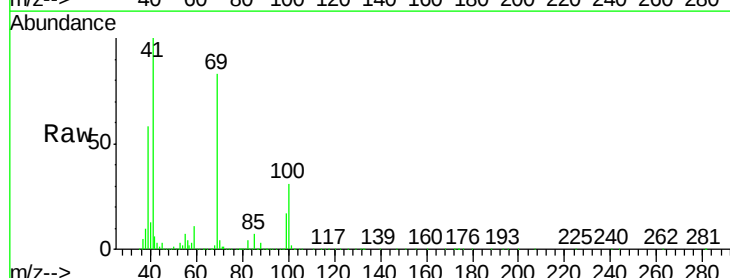
RT: 7.75 min Scan# 1093

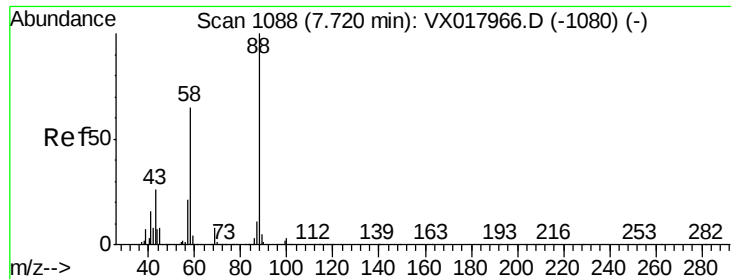
Delta R.T. 0.00 min

Lab File: VX017967.D

Acq: 18 Aug 2020 19:21

Tgt Ion:	41	Resp:	579290
Ion Ratio	Lower	Upper	
41	100		
69	82.0	64.3	96.5
39	57.0	45.3	67.9





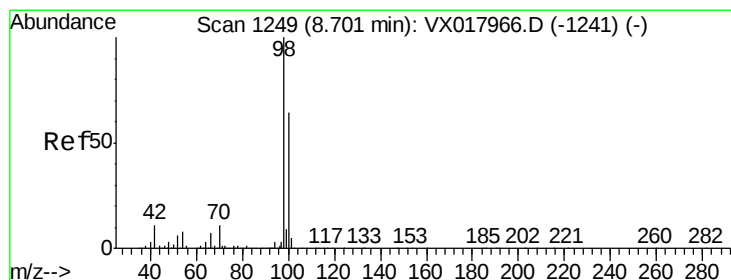
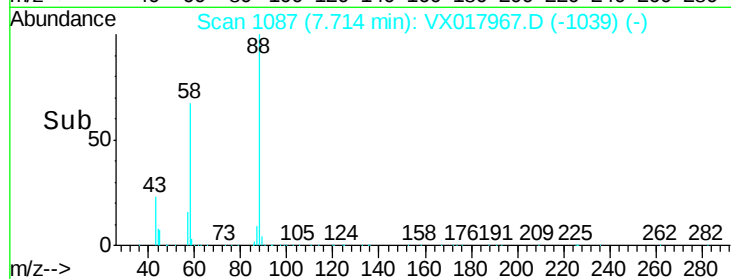
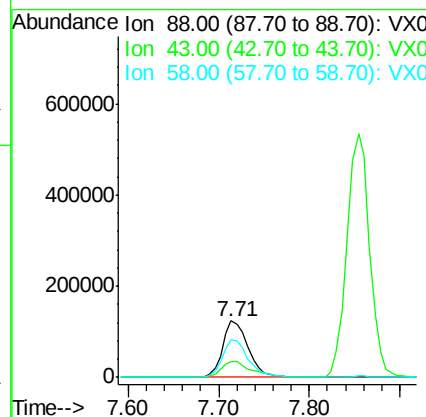
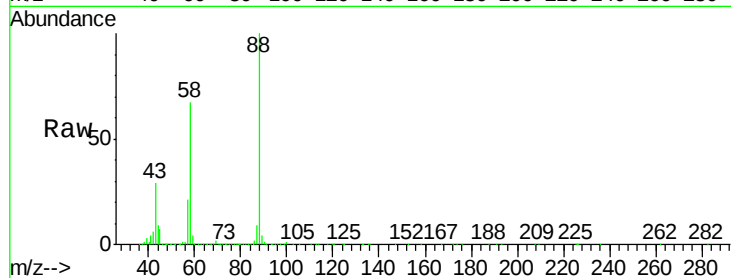
#49
1,4-Dioxane
Concen: 2200.966 ug/l
RT: 7.71 min Scan# 1087
Delta R.T. -0.01 min
Lab File: VX017967.D
Acq: 18 Aug 2020 19:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.8	27.3	40.9
58	69.7	57.7	86.5

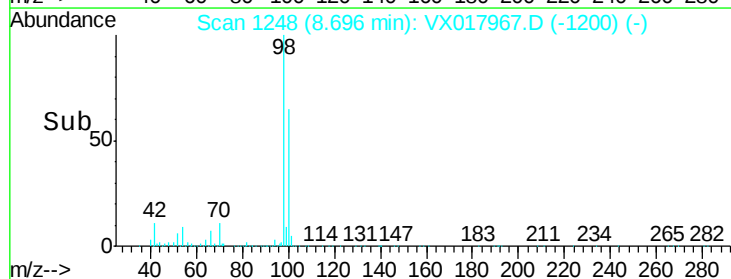
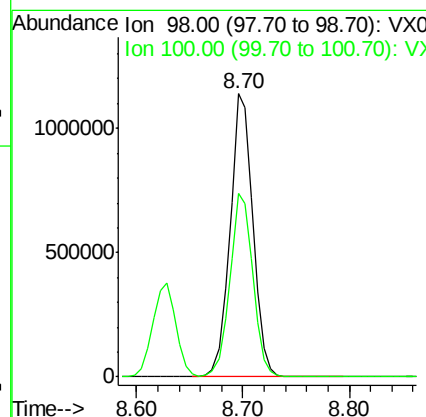
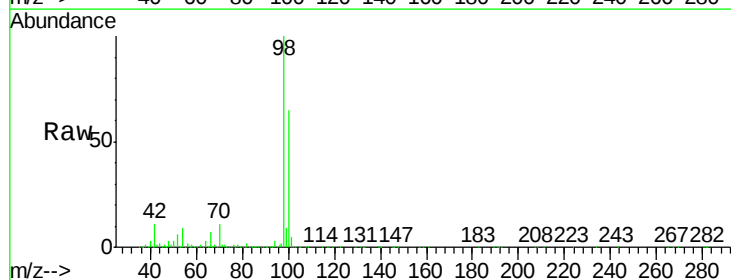
Manual Integrations
APPROVED

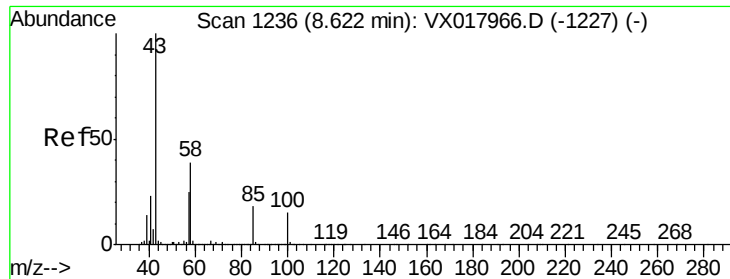
MMDadoda
8/19/2020 8:53:50 AM



#50
Toluene-d8
Concen: 105.149 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.01 min
Lab File: VX017967.D
Acq: 18 Aug 2020 19:21

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.2	51.4	77.2





#51

4-Methyl-2-Pentanone

Concen: 530.018 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VX017967.D

Acq: 18 Aug 2020 19:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 3685092

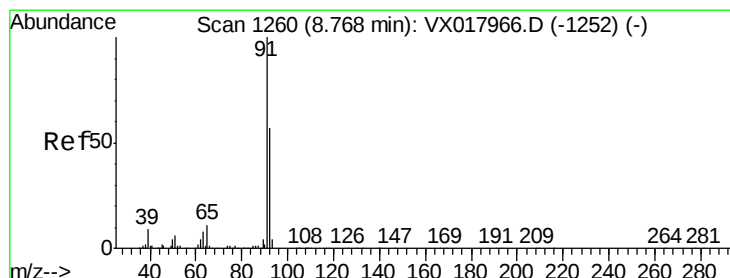
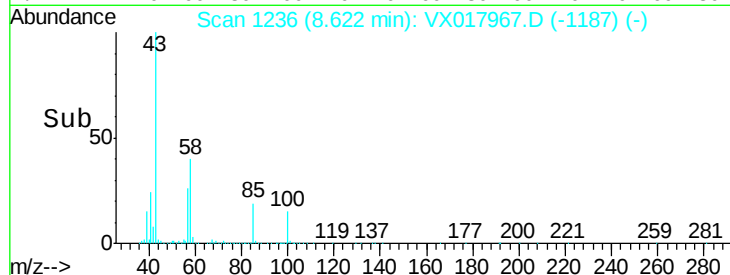
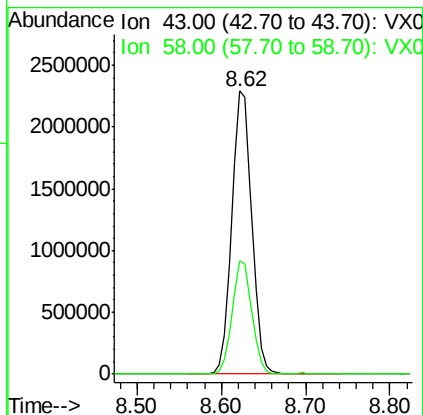
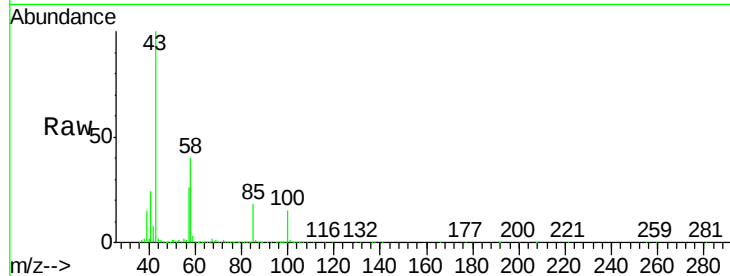
Ion Ratio Lower Upper

43 100

58 39.4 31.0 46.4

Manual Integrations
APPROVED

MMDadoda
8/19/2020 8:53:50 AM



#52

Toluene

Concen: 96.451 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VX017967.D

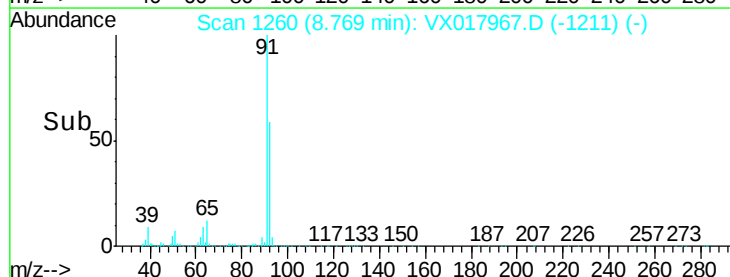
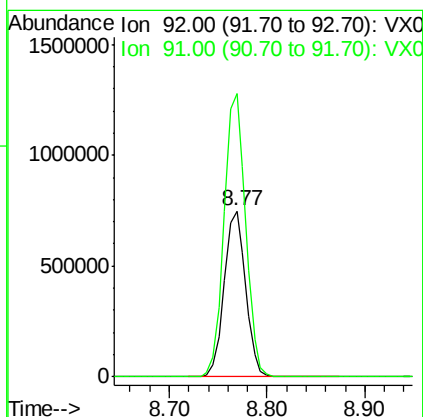
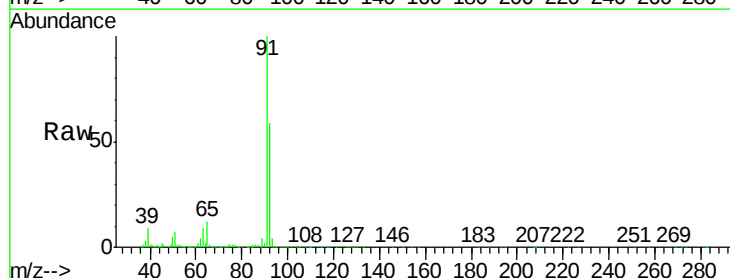
Acq: 18 Aug 2020 19:21

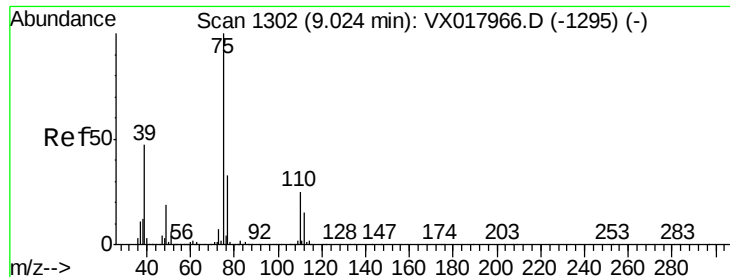
Tgt Ion: 92 Resp: 1136268

Ion Ratio Lower Upper

92 100

91 171.8 138.4 207.6





#53

t-1,3-Dichloropropene

Concen: 101.887 ug/l

RT: 9.02 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VX017967.D

Acq: 18 Aug 2020 19:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 818613

Ion Ratio Lower Upper

75 100

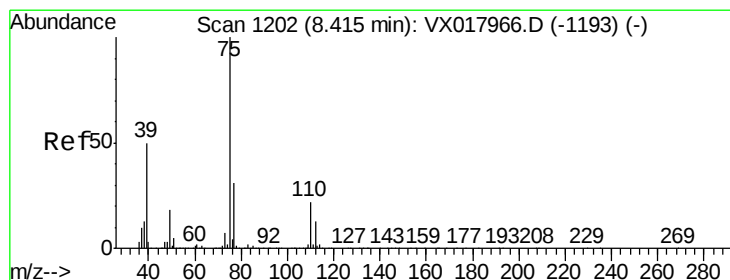
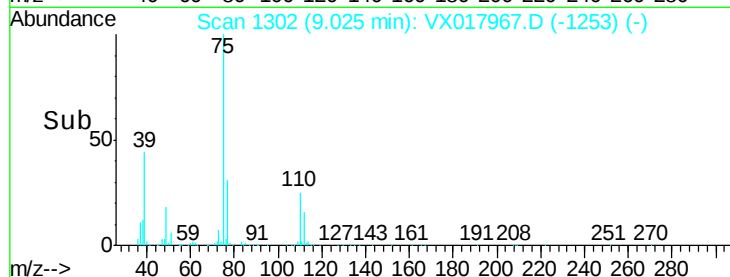
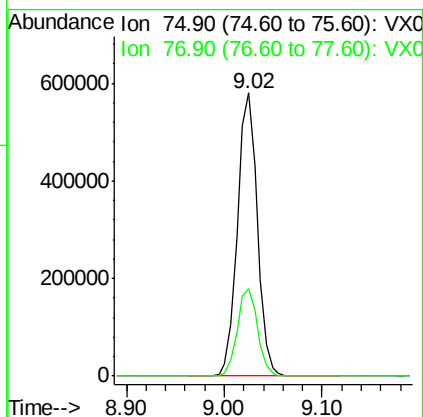
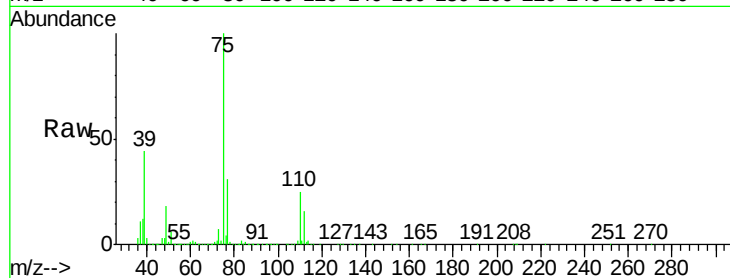
77 30.8 26.1 39.1

Manual Integrations

APPROVED

MMDadoda

8/19/2020 8:53:50 AM



#54

cis-1,3-Dichloropropene

Concen: 99.303 ug/l

RT: 8.42 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VX017967.D

Acq: 18 Aug 2020 19:21

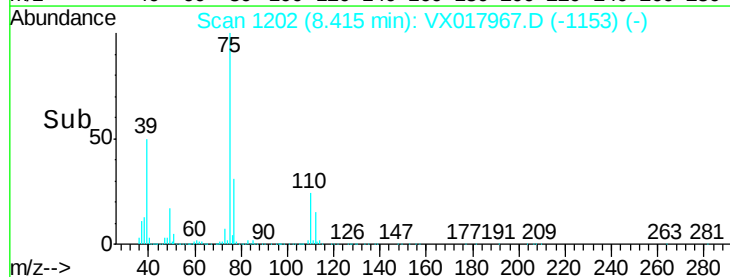
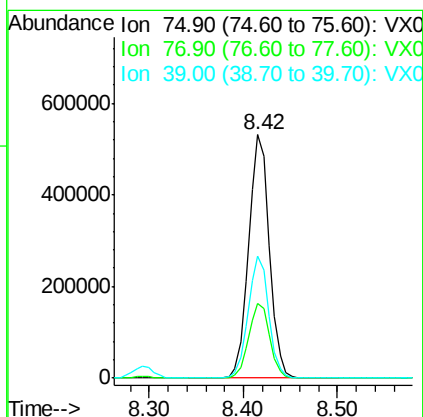
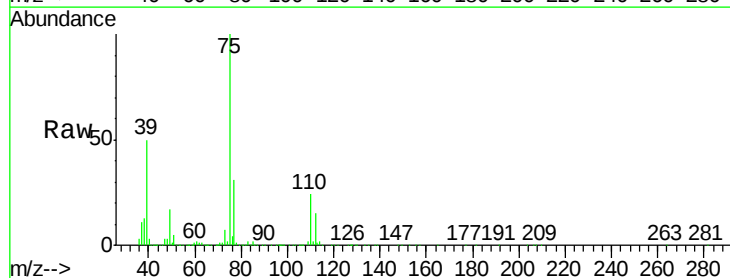
Tgt Ion: 75 Resp: 817722

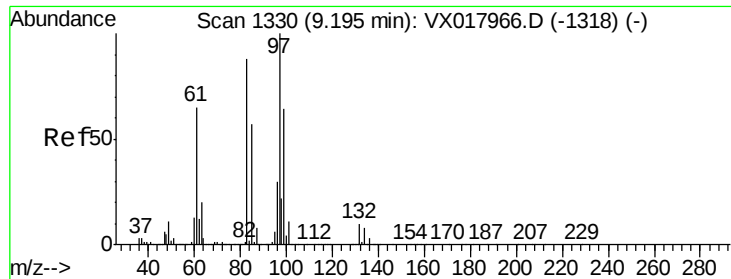
Ion Ratio Lower Upper

75 100

77 30.5 24.6 36.8

39 50.3 39.7 59.5





#55

1,1,2-Trichloroethane

Concen: 100.668 ug/l

RT: 9.20 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VX017967.D

Acq: 18 Aug 2020 19:21

Instrument :

MSVOA_X

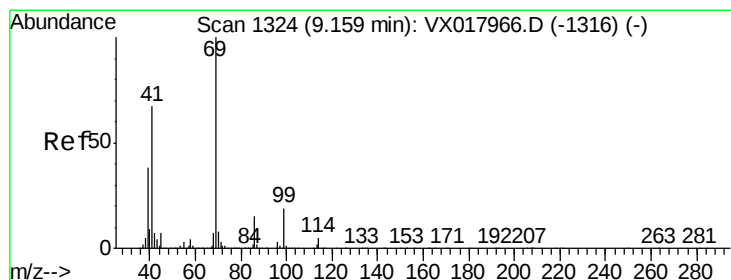
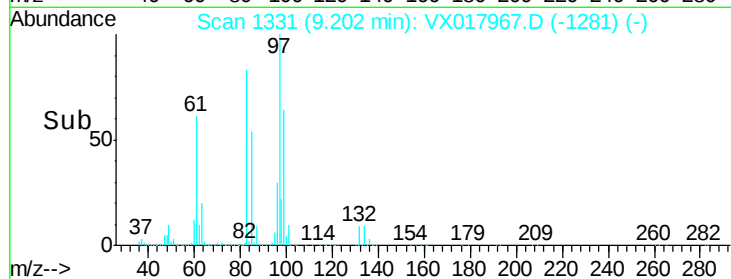
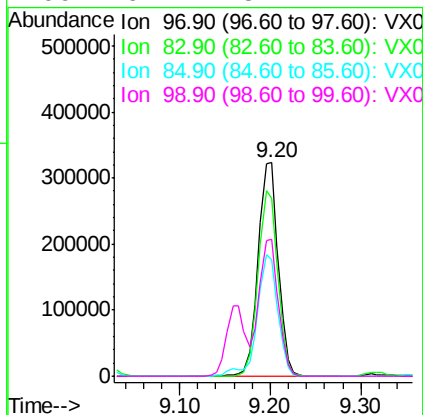
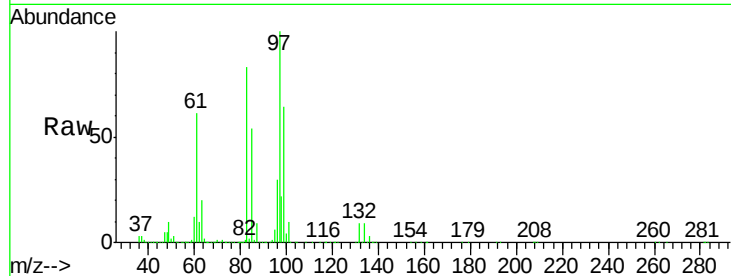
ClientSampleId :

VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		497857		
83	83.1	70.1	105.1		
85	54.4	45.8	68.8		
99	64.1	51.4	77.2		

Manual Integrations
APPROVED

MMDadoda
8/19/2020 8:53:50 AM



#56

Ethyl methacrylate

Concen: 106.275 ug/l

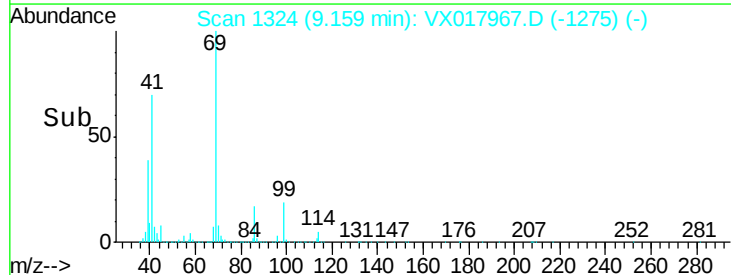
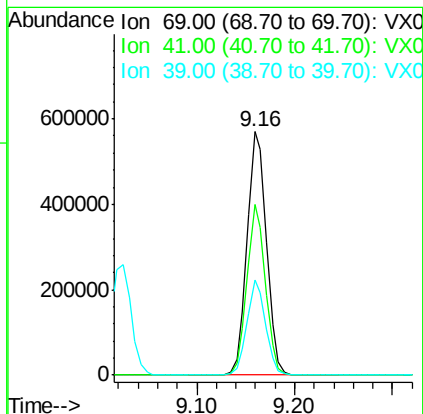
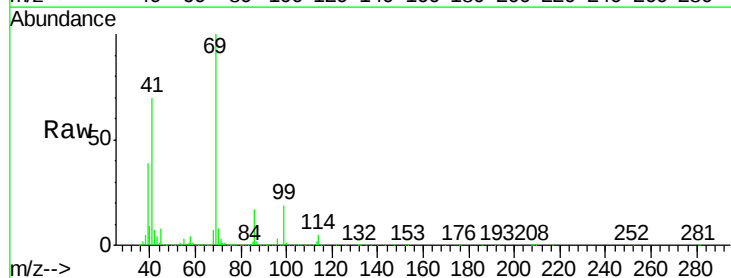
RT: 9.16 min Scan# 1324

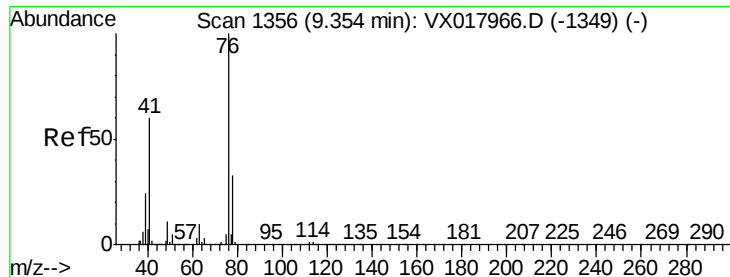
Delta R.T. 0.00 min

Lab File: VX017967.D

Acq: 18 Aug 2020 19:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		781410		
41	66.9	52.3	78.5		
39	37.4	29.2	43.8		





#57

1,3-Dichloropropane

Concen: 98.433 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. 0.00 min

Lab File: VX017967.D

Acq: 18 Aug 2020 19:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 797470

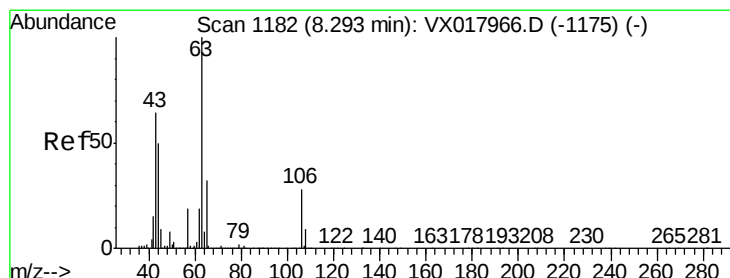
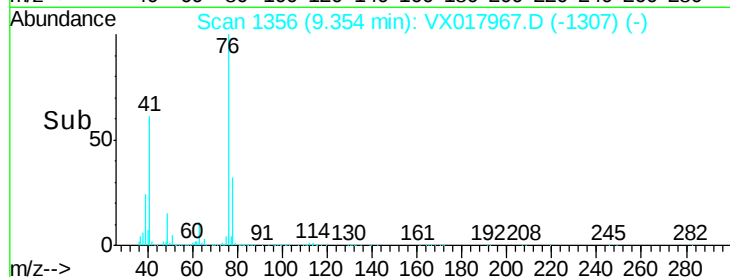
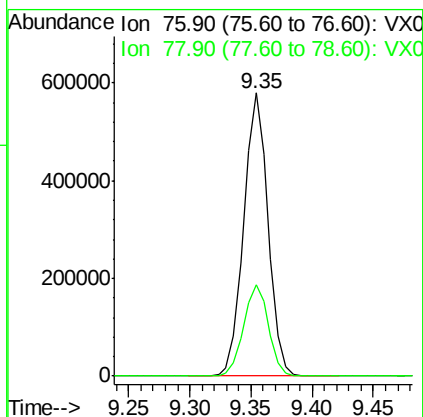
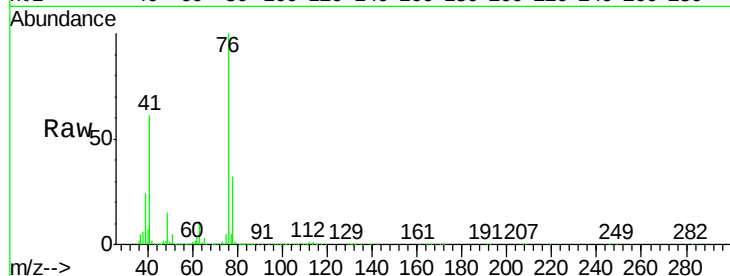
Ion Ratio Lower Upper

76 100

78 33.0 26.4 39.6

Manual Integrations
APPROVED

MMDadoda
8/19/2020 8:53:50 AM



#58

2-Chloroethyl Vinyl ether

Concen: 499.461 ug/l

RT: 8.29 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VX017967.D

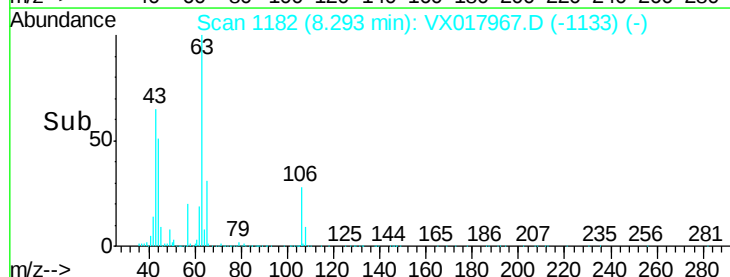
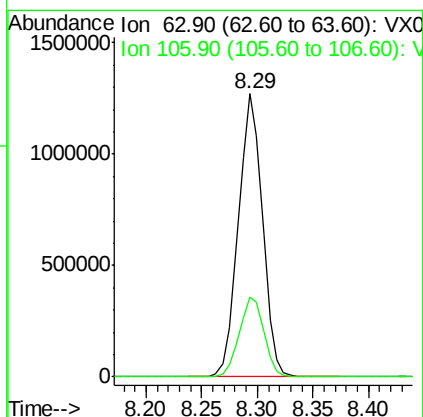
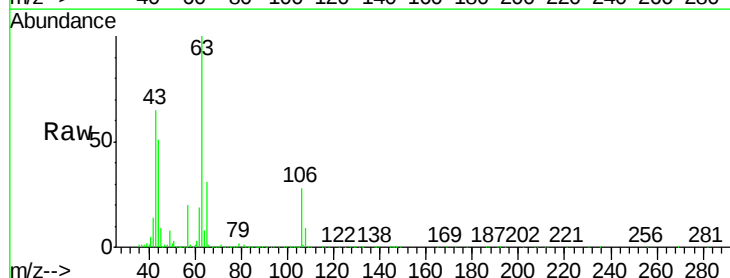
Acq: 18 Aug 2020 19:21

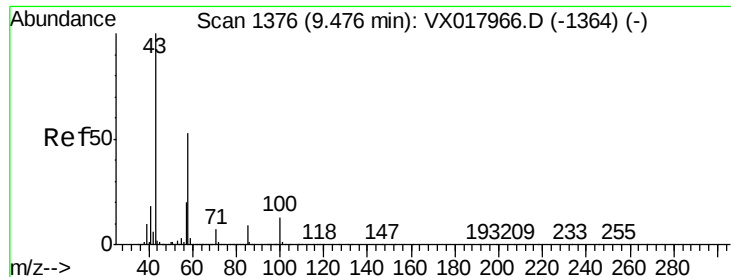
Tgt Ion: 63 Resp: 1900454

Ion Ratio Lower Upper

63 100

106 28.9 23.0 34.4





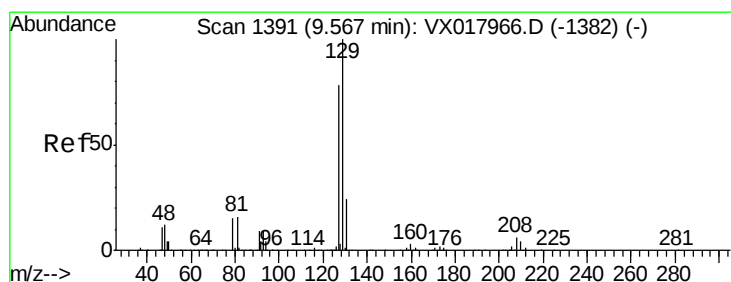
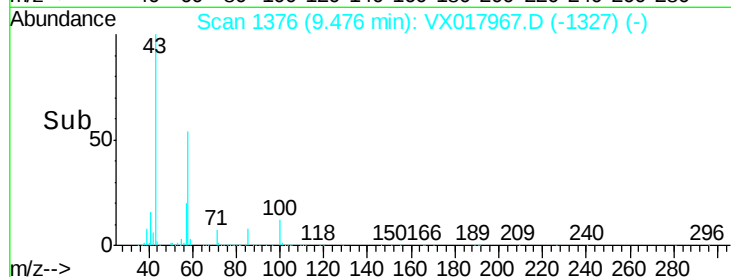
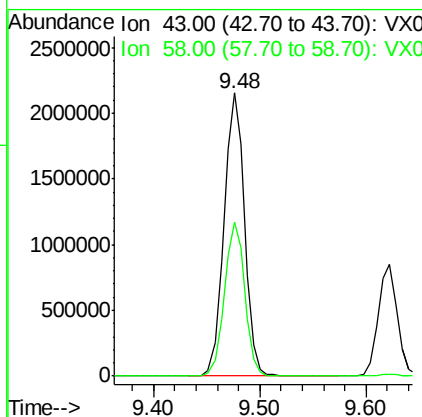
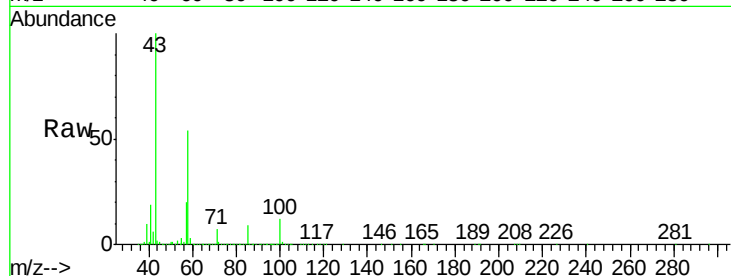
#59
2-Hexanone
Concen: 557.613 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. 0.00 min
Lab File: VX017967.D
Acq: 18 Aug 2020 19:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion: 43 Resp: 2901639
Ion Ratio Lower Upper
43 100
58 53.7 26.4 79.0

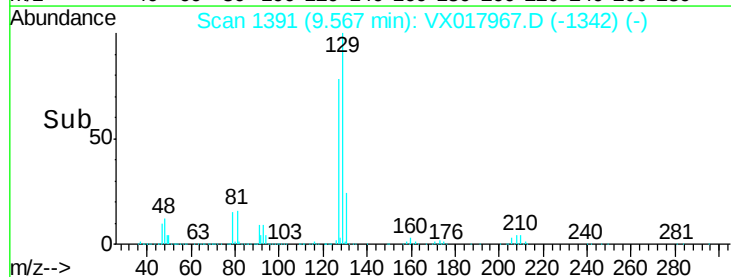
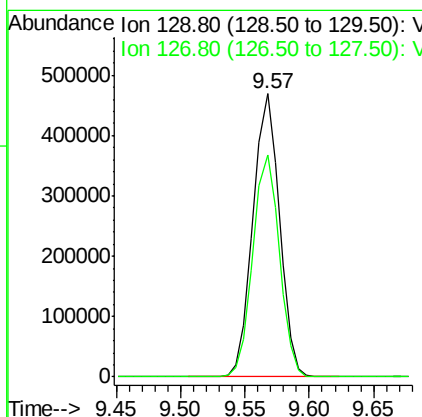
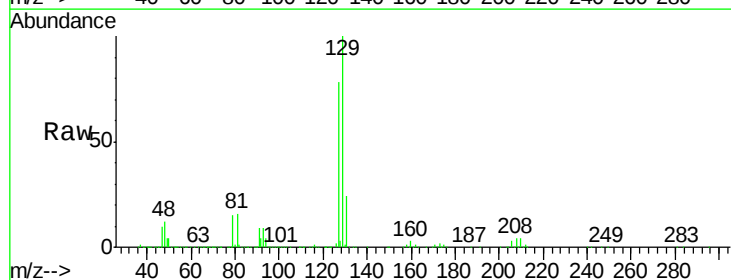
Manual Integrations
APPROVED

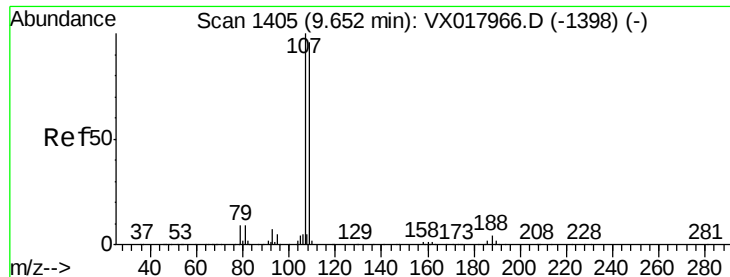
MMDadoda
8/19/2020 8:53:50 AM



#60
Dibromochloromethane
Concen: 106.742 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VX017967.D
Acq: 18 Aug 2020 19:21

Tgt Ion: 129 Resp: 667080
Ion Ratio Lower Upper
129 100
127 78.4 39.5 118.3





#61

1,2-Dibromoethane

Concen: 108.588 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. 0.00 min

Lab File: VX017967.D

Acq: 18 Aug 2020 19:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 107 Resp: 576664

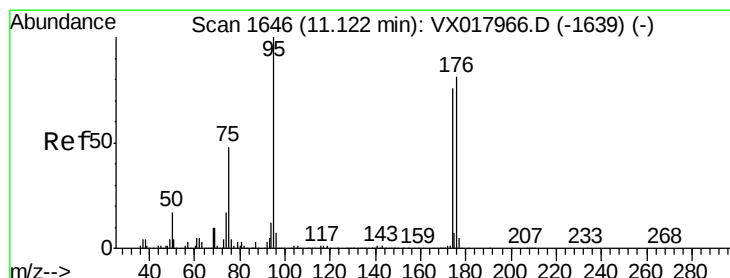
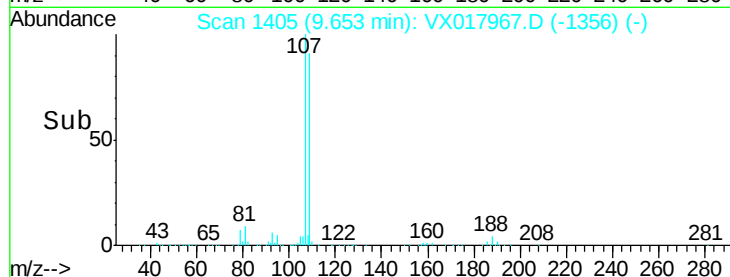
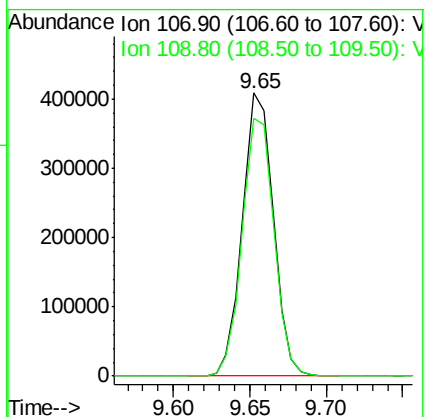
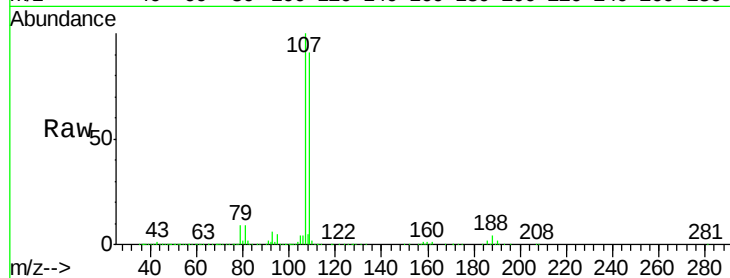
Ion Ratio Lower Upper

107 100

109 93.9 75.5 113.3

Manual Integrations
APPROVED

MMDadoda
8/19/2020 8:53:50 AM



#62

4-Bromofluorobenzene

Concen: 102.496 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX017967.D

Acq: 18 Aug 2020 19:21

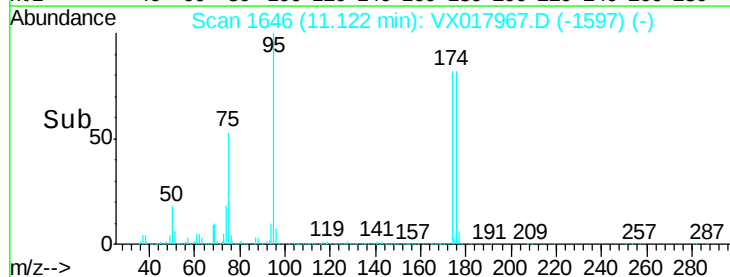
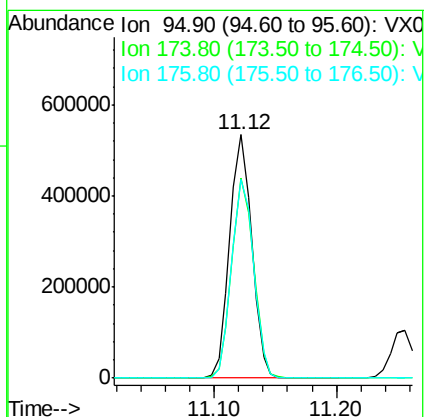
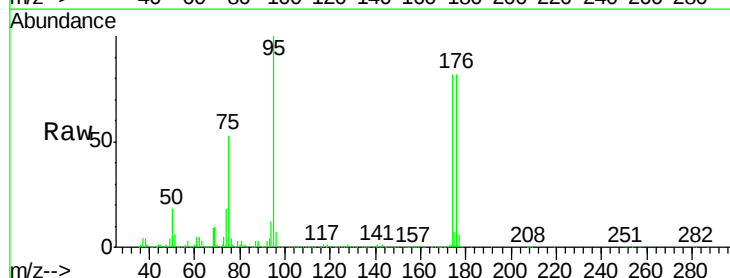
Tgt Ion: 95 Resp: 666367

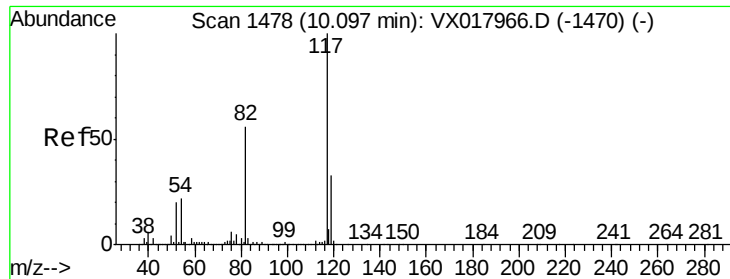
Ion Ratio Lower Upper

95 100

174 81.9 0.0 166.0

176 81.7 0.0 161.0





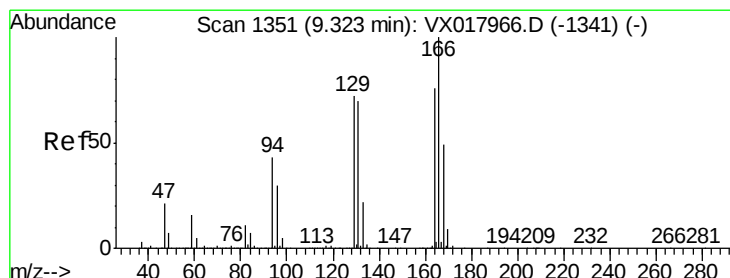
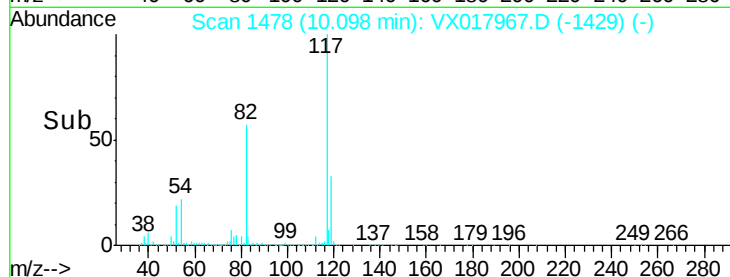
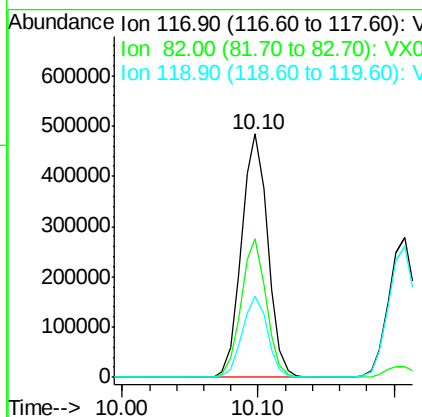
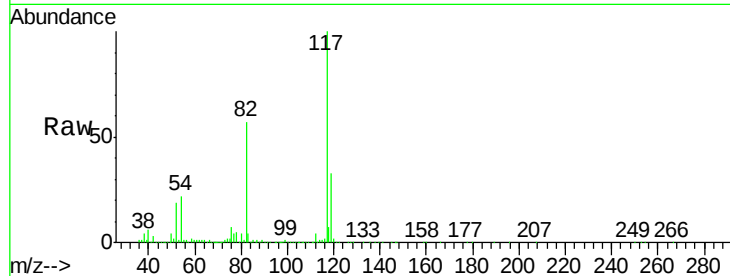
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX017967.D
Acq: 18 Aug 2020 19:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.9	44.6	66.8
119	33.2	26.2	39.4

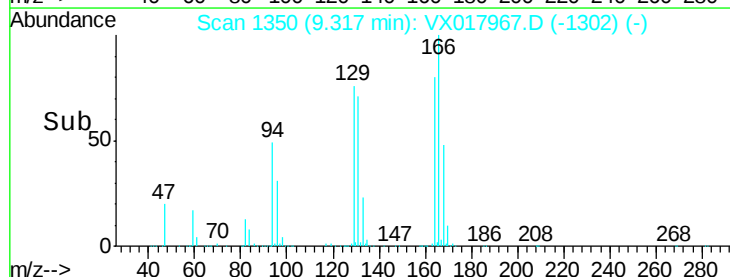
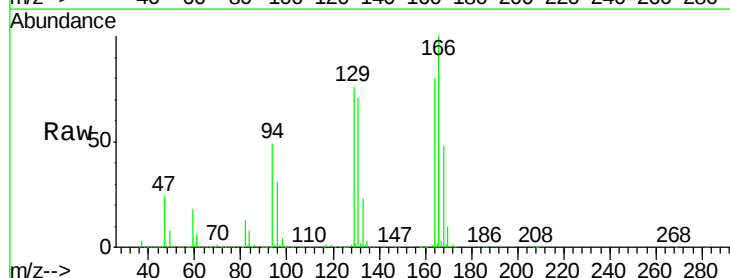
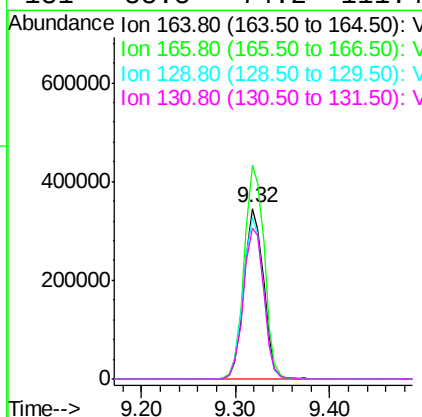
Manual Integrations
APPROVED

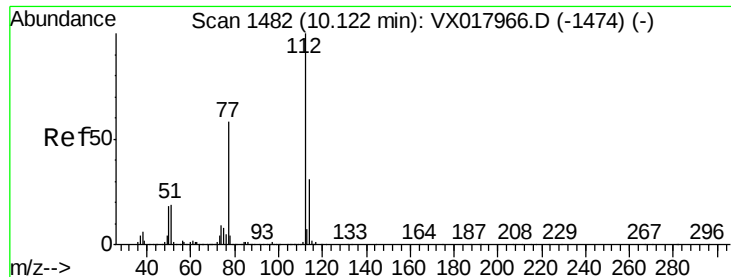
MMDadoda
8/19/2020 8:53:50 AM



#64
Tetrachloroethene
Concen: 87.921 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.01 min
Lab File: VX017967.D
Acq: 18 Aug 2020 19:21

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.4	105.7	158.5
129	94.7	75.8	113.8
131	88.5	74.2	111.4





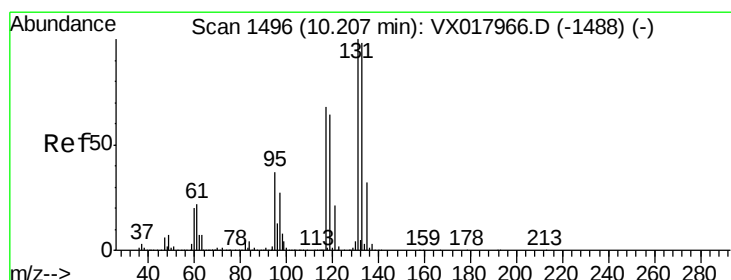
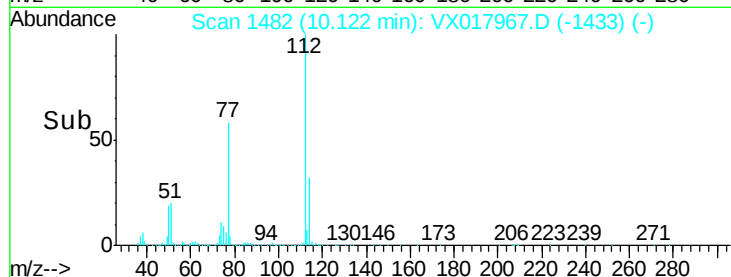
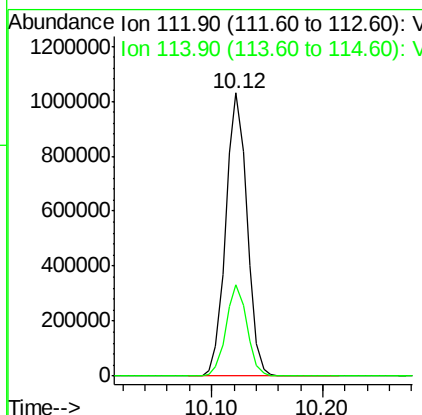
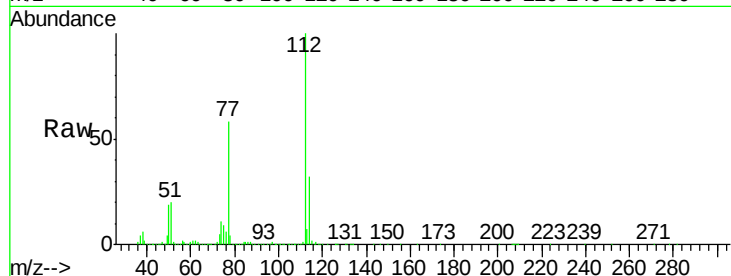
#65
Chlorobenzene
Concen: 97.721 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. 0.00 min
Lab File: VX017967.D
Acq: 18 Aug 2020 19:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion:112 Resp: 1363021
Ion Ratio Lower Upper
112 100
114 32.3 25.0 37.6

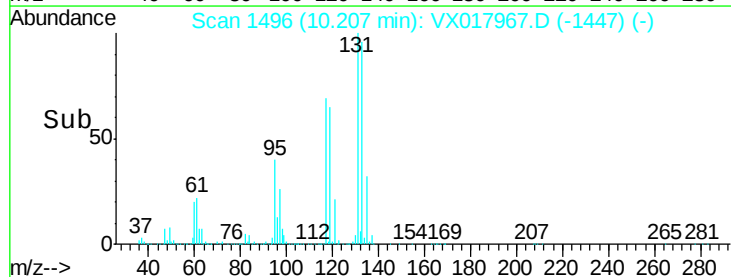
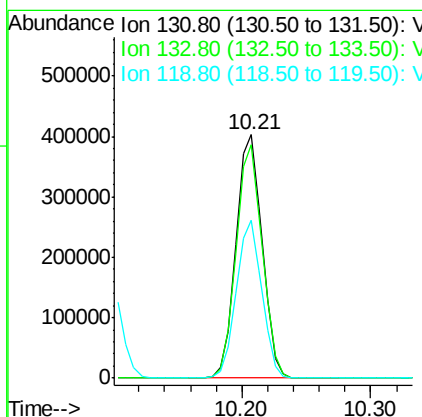
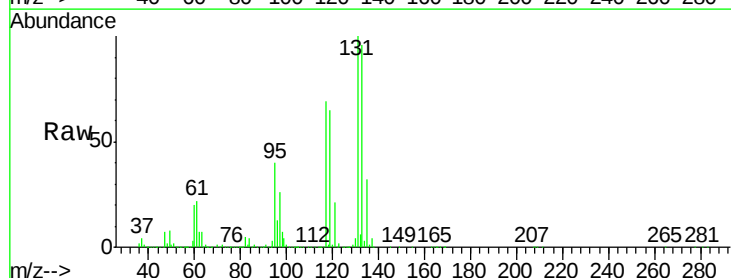
Manual Integrations
APPROVED

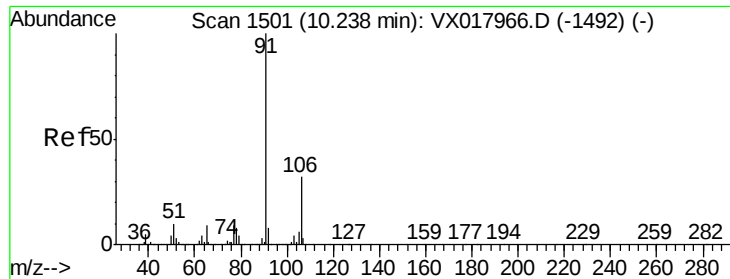
MMDadoda
8/19/2020 8:53:50 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 100.277 ug/l
RT: 10.21 min Scan# 1496
Delta R.T. 0.00 min
Lab File: VX017967.D
Acq: 18 Aug 2020 19:21

Tgt Ion:131 Resp: 567287
Ion Ratio Lower Upper
131 100
133 95.6 48.4 145.3
119 63.4 31.6 94.8





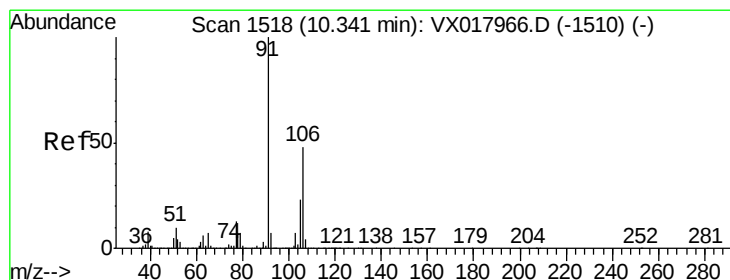
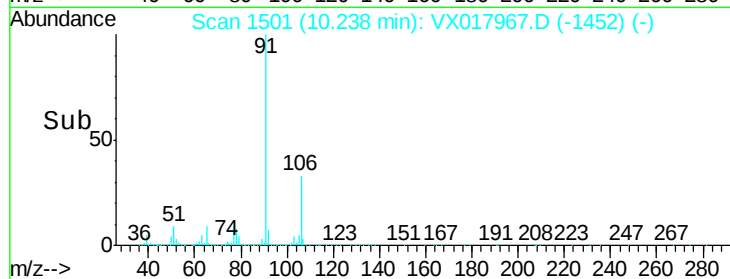
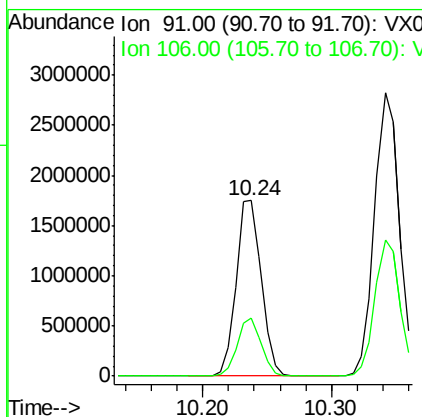
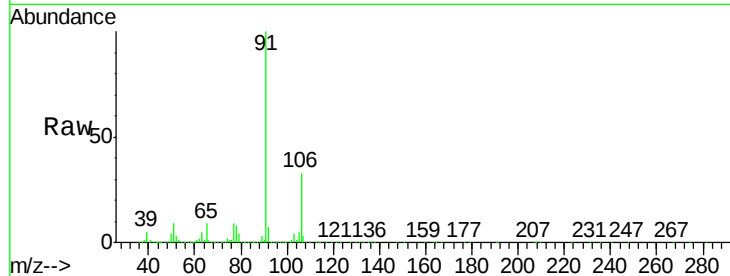
#67
Ethyl Benzene
Concen: 102.612 ug/l
RT: 10.24 min Scan# 1501
Delta R.T. 0.00 min
Lab File: VX017967.D
Acq: 18 Aug 2020 19:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 2377096
Ion Ratio Lower Upper
91 100
106 33.1 25.4 38.0

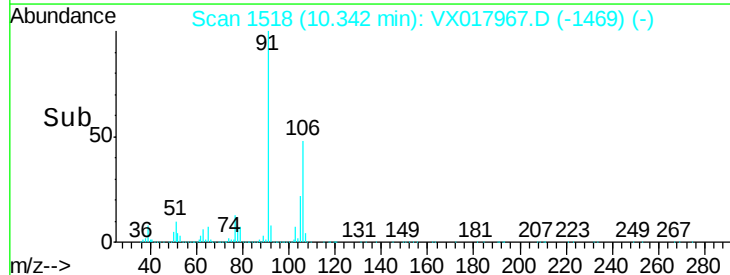
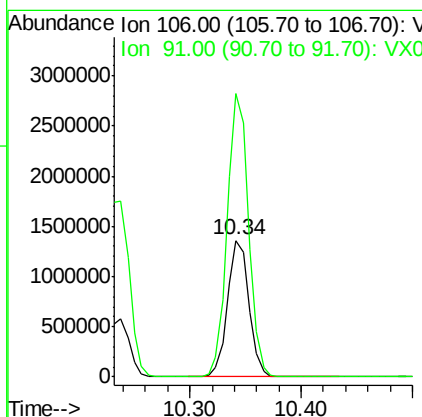
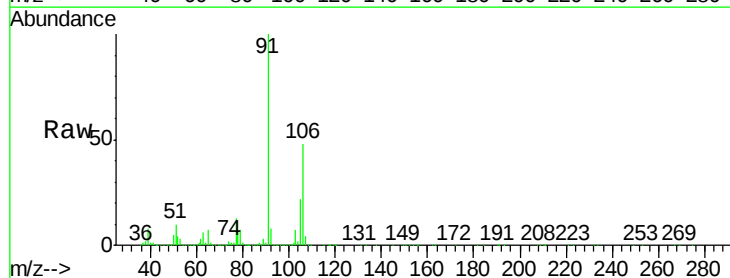
Manual Integrations
APPROVED

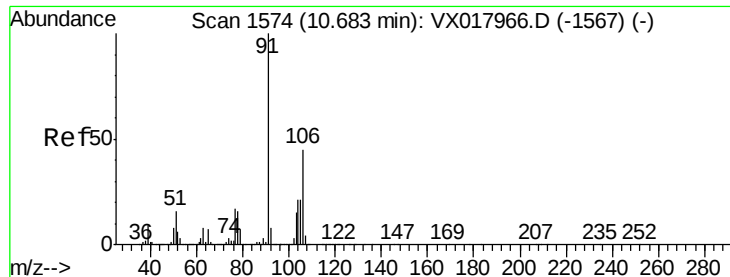
MMDadoda
8/19/2020 8:53:50 AM



#68
m/p-Xylenes
Concen: 202.786 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VX017967.D
Acq: 18 Aug 2020 19:21

Tgt Ion: 106 Resp: 1806233
Ion Ratio Lower Upper
106 100
91 206.8 167.4 251.2





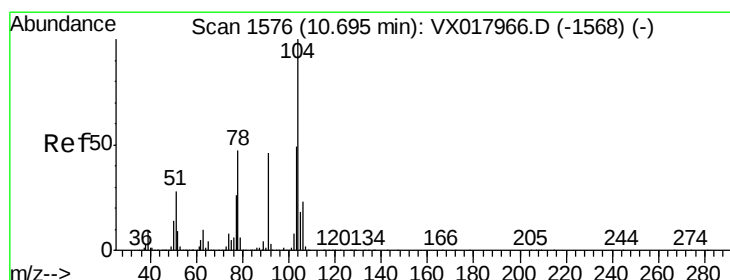
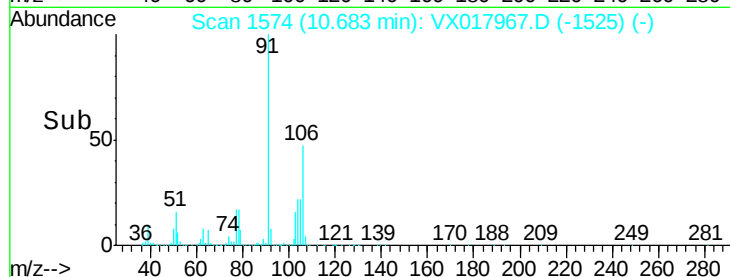
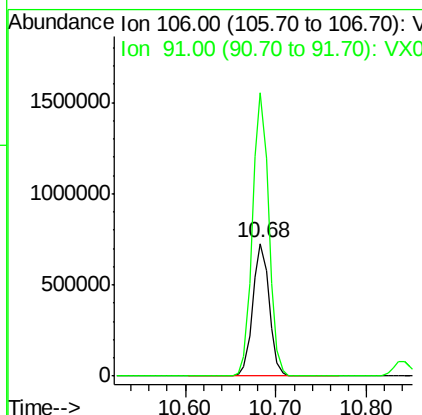
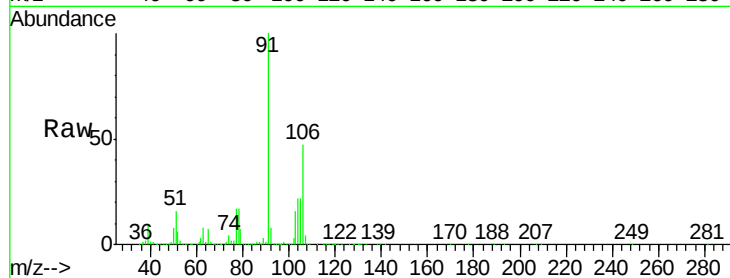
#69
o-Xylene
Concen: 105.845 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX017967.D
Acq: 18 Aug 2020 19:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
106	100		
91	211.9	108.1	324.2

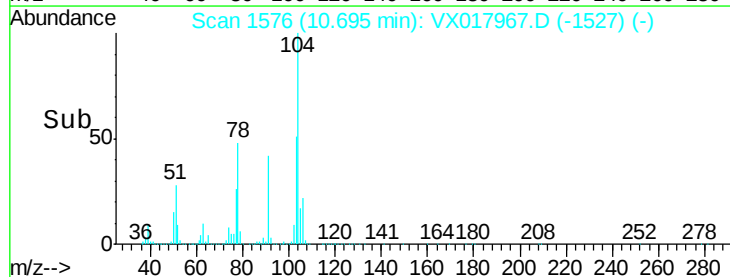
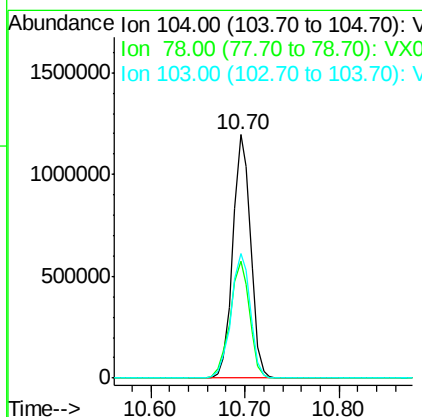
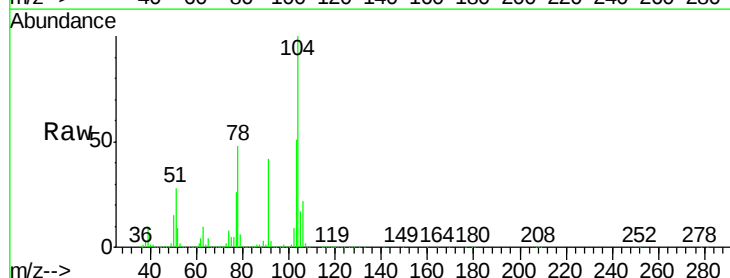
Manual Integrations
APPROVED

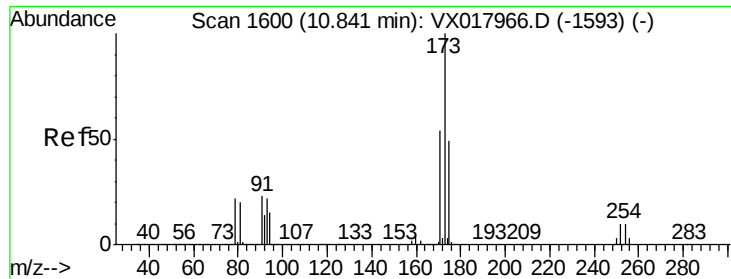
MMDadoda
8/19/2020 8:53:50 AM



#70
Styrene
Concen: 106.802 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX017967.D
Acq: 18 Aug 2020 19:21

Tgt Ion	Ratio	Lower	Upper
104	100		
78	52.6	41.3	61.9
103	55.6	42.9	64.3





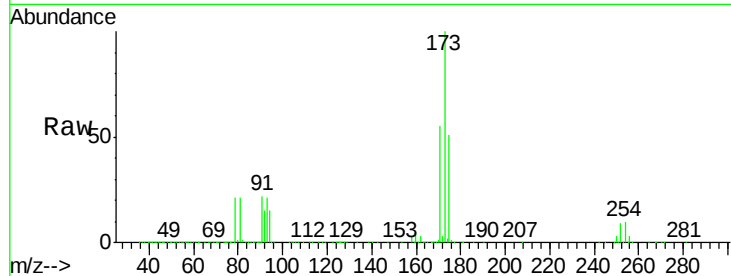
#71
Bromoform
Concen: 105.213 ug/l
RT: 10.84 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VX017967.D
Acq: 18 Aug 2020 19:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

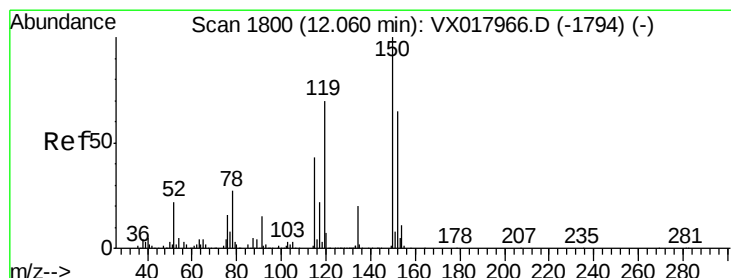
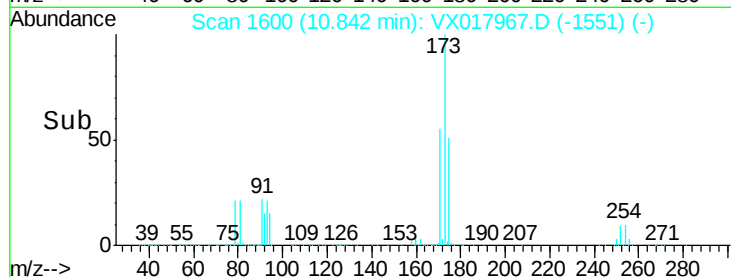
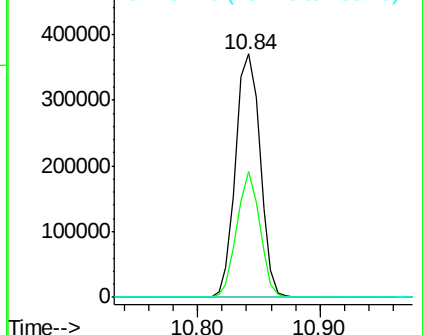
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.4	73.2
254	0.1	0.2	0.2#

Manual Integrations
APPROVED

MMDadoda
8/19/2020 8:53:50 AM

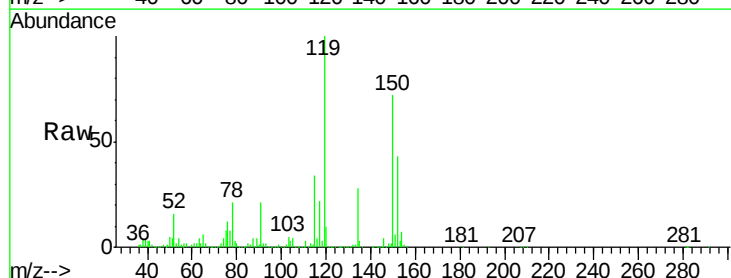


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

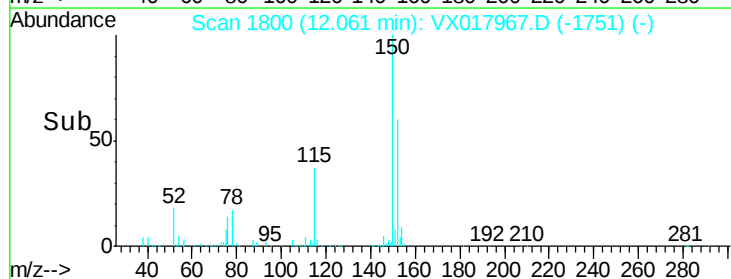
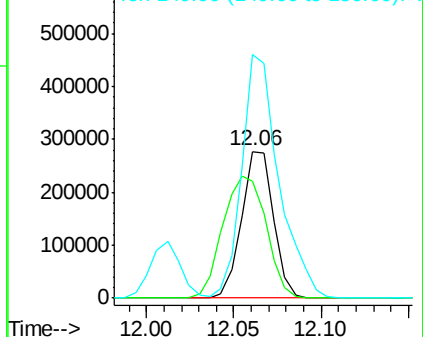


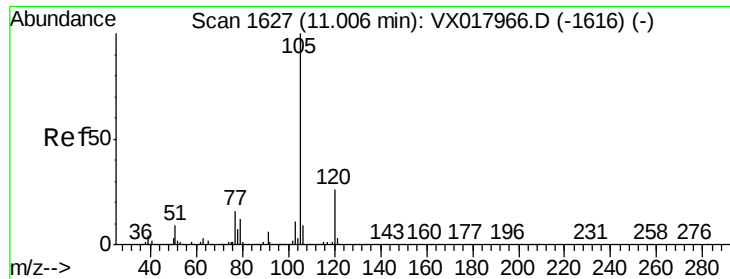
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX017967.D
Acq: 18 Aug 2020 19:21

Tgt Ion	Ratio	Lower	Upper
152	100		
115	111.9	40.6	121.7
150	192.7	0.0	346.4



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





#73

Isopropylbenzene

Concen: 100.967 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. -0.01 min

Lab File: VX017967.D

Acq: 18 Aug 2020 19:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 2428687

Ion Ratio Lower Upper

105 100

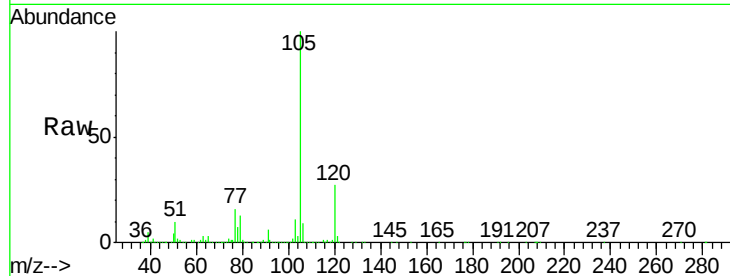
120 27.1 13.5 40.4

Manual Integrations

APPROVED

MMDadoda

8/19/2020 8:53:50 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

2000000

1500000

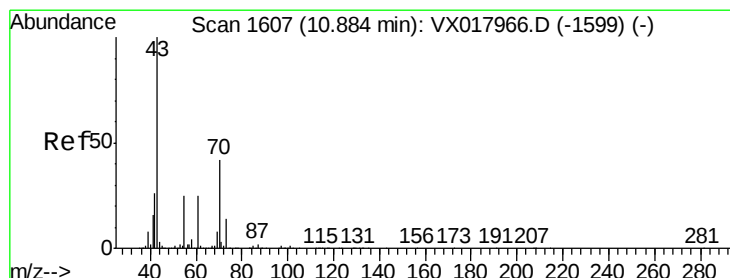
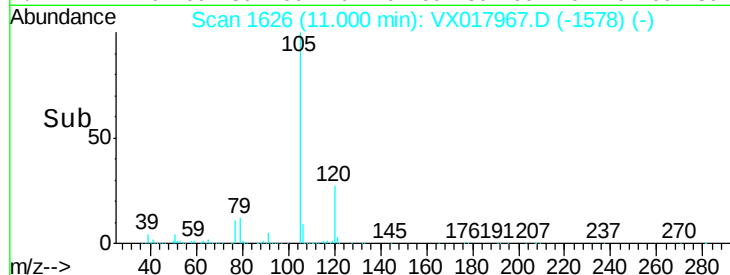
1000000

500000

0

Time--> 10.90

11.00



#74

N-ethyl acetate

Concen: 101.274 ug/l

RT: 10.88 min Scan# 1607

Delta R.T. 0.00 min

Lab File: VX017967.D

Acq: 18 Aug 2020 19:21

Tgt Ion: 43 Resp: 1067401

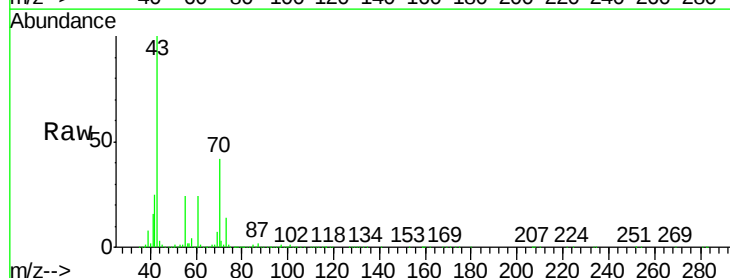
Ion Ratio Lower Upper

43 100

70 41.4 32.9 49.3

55 24.0 19.3 28.9

61 24.0 19.6 29.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

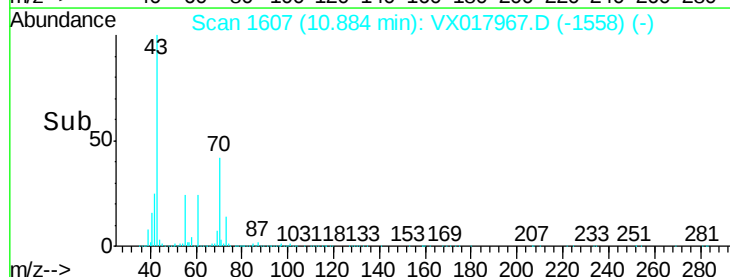
1000000

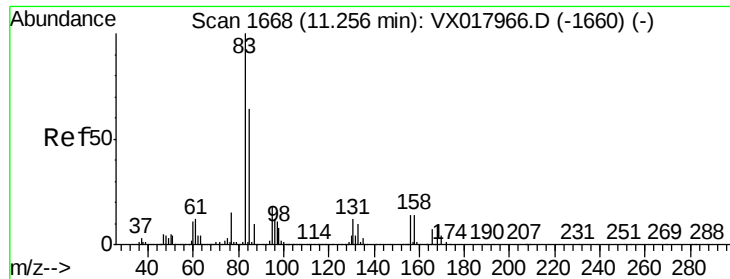
500000

0

Time--> 10.80

10.88





#75

1,1,2,2-Tetrachloroethane

Concen: 99.713 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. -0.01 min

Lab File: VX017967.D

Acq: 18 Aug 2020 19:21

Instrument :

MSVOA_X

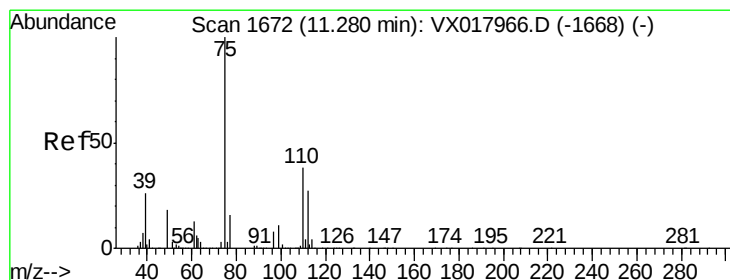
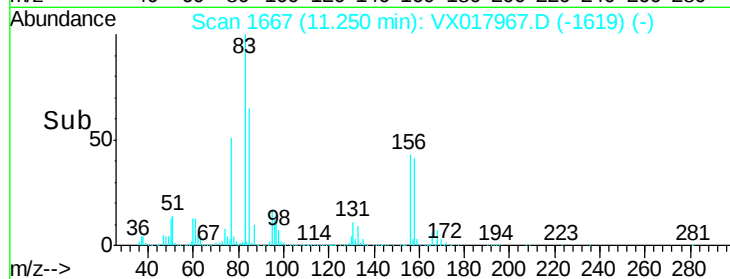
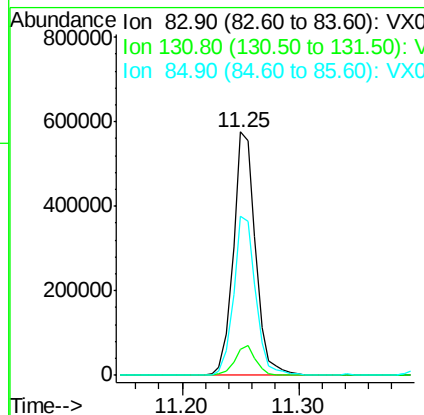
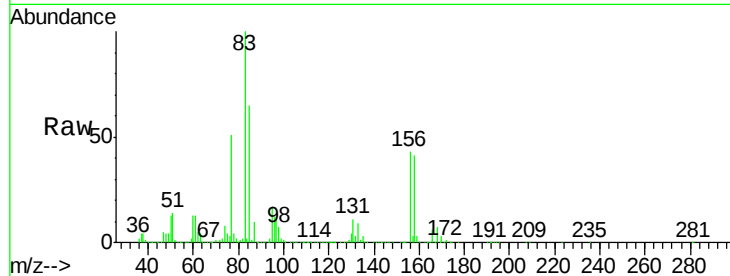
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	762581
Ion Ratio	Lower	Upper	
83	100		
131	11.7	5.7	17.0
85	65.1	32.2	96.6

Manual Integrations
APPROVED

MMDadoda
8/19/2020 8:53:50 AM



#76

1,2,3-Trichloropropane

Concen: 108.091 ug/l m

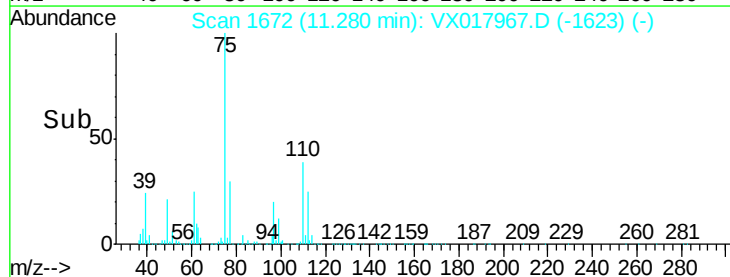
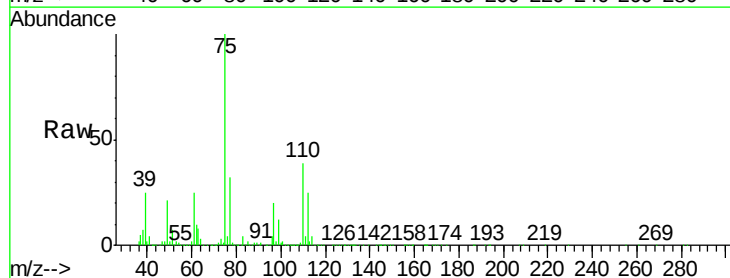
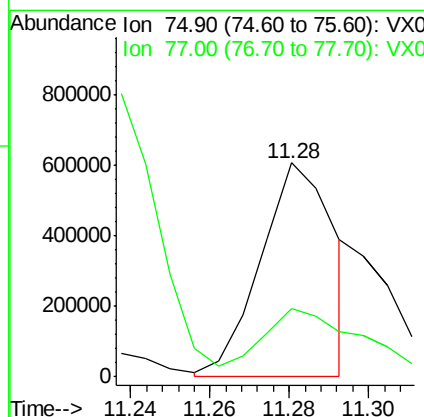
RT: 11.28 min Scan# 1672

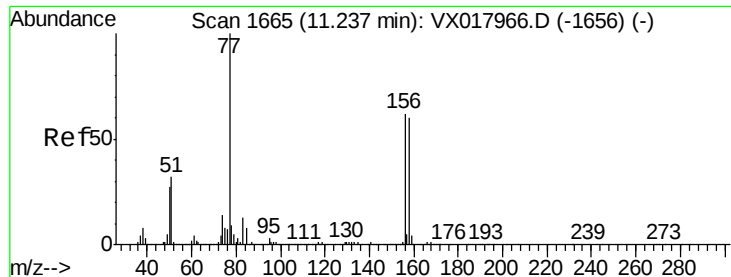
Delta R.T. 0.00 min

Lab File: VX017967.D

Acq: 18 Aug 2020 19:21

Tgt Ion:	75	Resp:	785169
Ion Ratio	Lower	Upper	
75	100		
77	43.4	21.1	63.1





#77

Bromobenzene

Concen: 97.135 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VX017967.D

Acq: 18 Aug 2020 19:21

Instrument :

MSVOA_X

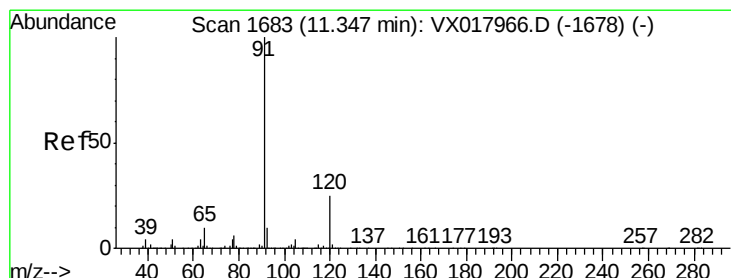
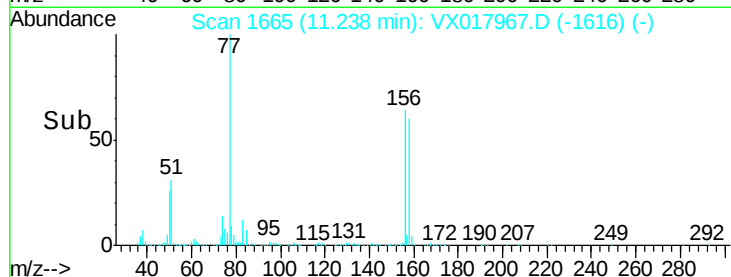
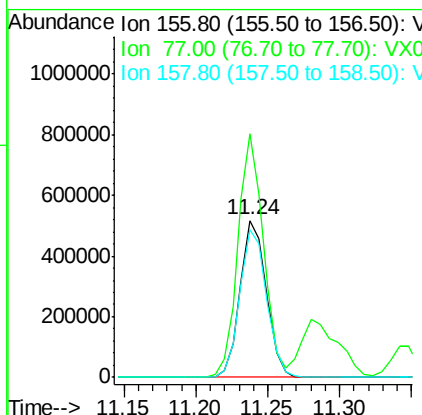
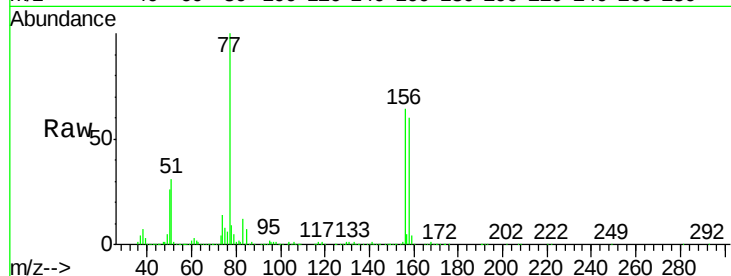
ClientSampleId :

VSTDIC100

Tot Ion:	156	Resp:	653590
Ion Ratio	Lower	Upper	
156	100		
77	151.1	78.0	234.0
158	96.2	49.2	147.6

Manual Integrations
APPROVED

MMDadoda
8/19/2020 8:53:50 AM



#78

n-propylbenzene

Concen: 114.377 ug/l

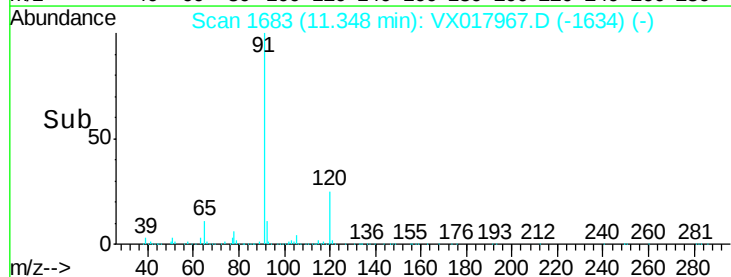
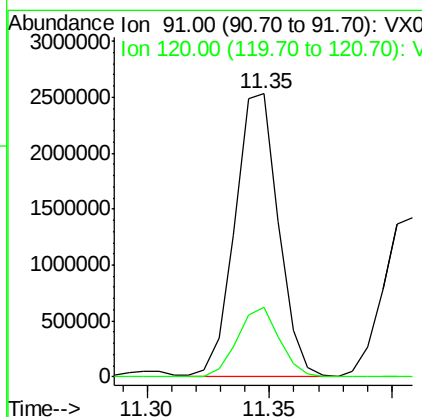
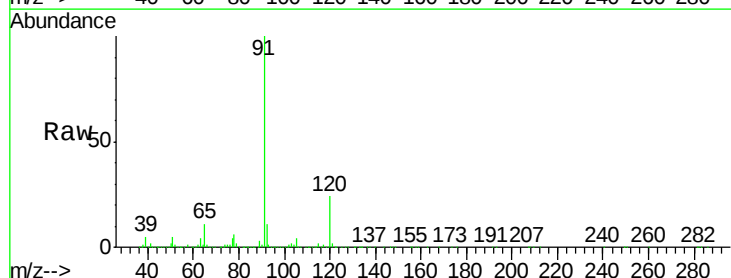
RT: 11.35 min Scan# 1683

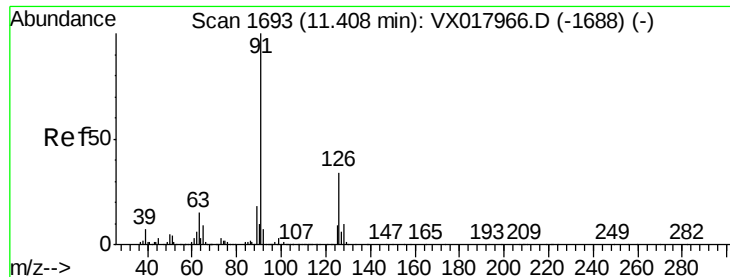
Delta R.T. 0.00 min

Lab File: VX017967.D

Acq: 18 Aug 2020 19:21

Tgt Ion:	91	Resp:	3116912
Ion Ratio	Lower	Upper	
91	100		
120	23.8	12.0	36.1





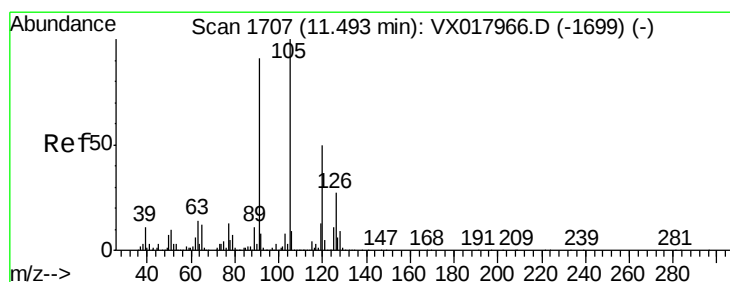
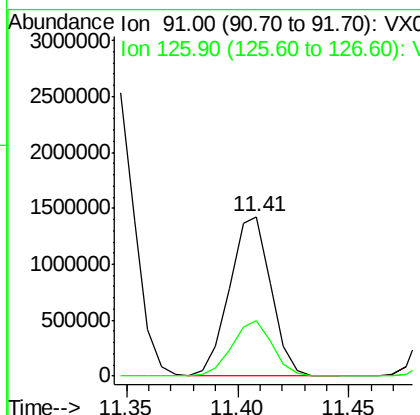
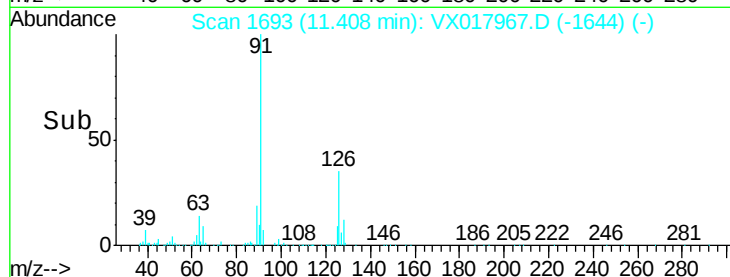
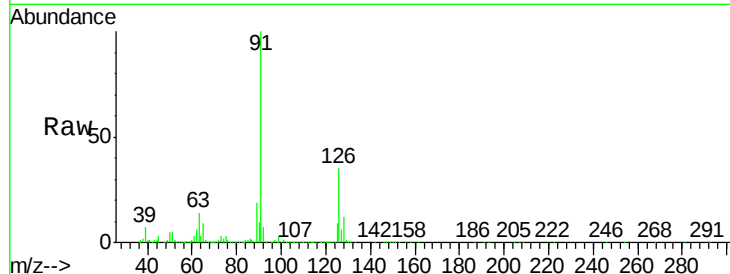
#79
2-Chlorotoluene
Concen: 108.746 ug/l
RT: 11.41 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VX017967.D
Acq: 18 Aug 2020 19:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1832921
Ion Ratio Lower Upper
91 100
126 34.1 17.1 51.2

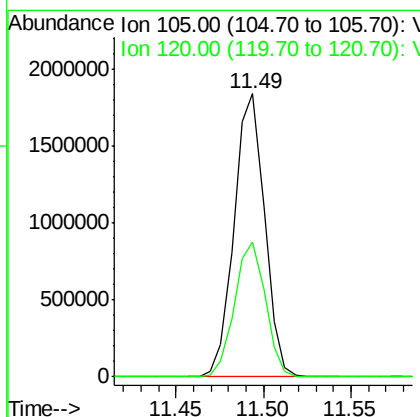
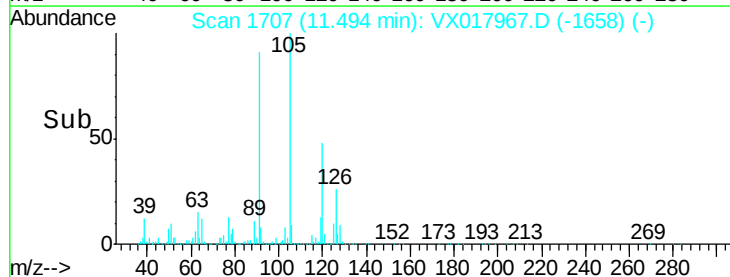
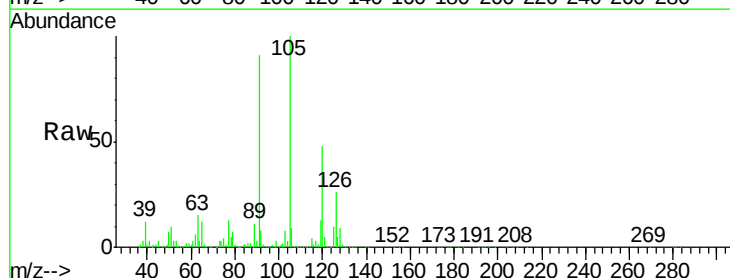
Manual Integrations
APPROVED

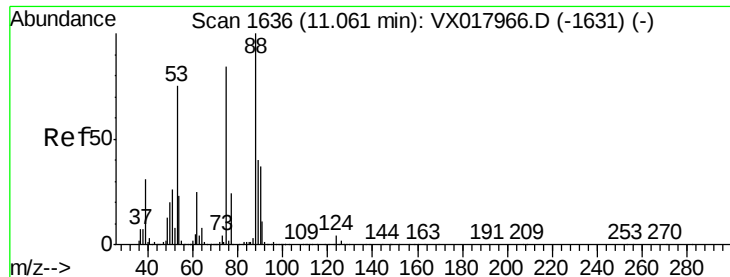
MMDadoda
8/19/2020 8:53:50 AM



#80
1,3,5-Trimethylbenzene
Concen: 109.135 ug/l
RT: 11.49 min Scan# 1707
Delta R.T. 0.00 min
Lab File: VX017967.D
Acq: 18 Aug 2020 19:21

Tgt Ion: 105 Resp: 2234526
Ion Ratio Lower Upper
105 100
120 48.2 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 103.671 ug/l

RT: 11.06 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VX017967.D

Acq: 18 Aug 2020 19:21

Instrument :

MSVOA_X

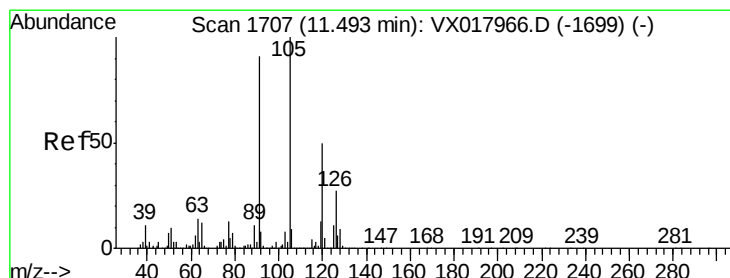
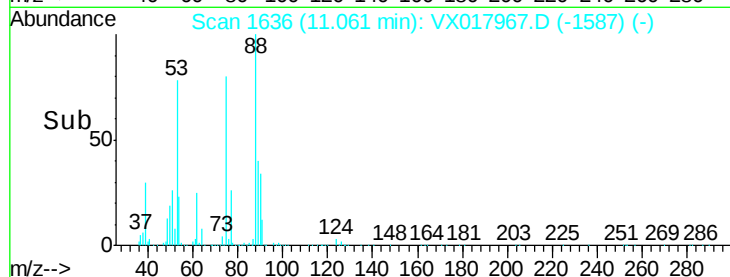
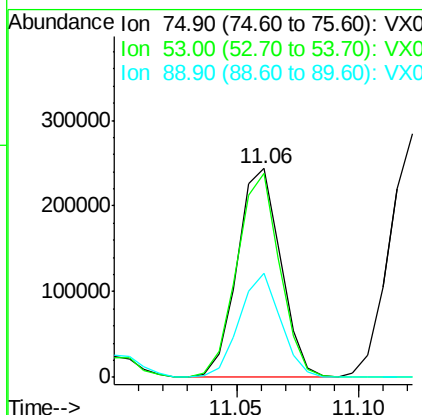
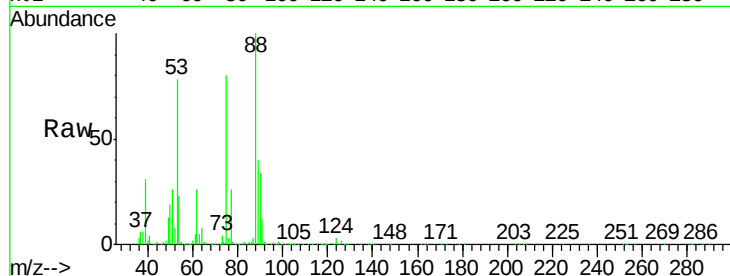
ClientSampleId :

VSTDICC100

Tot Ion:	75	Resp:	299175
Ion Ratio	Lower	Upper	
75	100		
53	96.8	75.2	112.8
89	47.8	38.4	57.6

Manual Integrations
APPROVED

MMDadoda
8/19/2020 8:53:50 AM



#82

4-Chlorotoluene

Concen: 104.817 ug/l

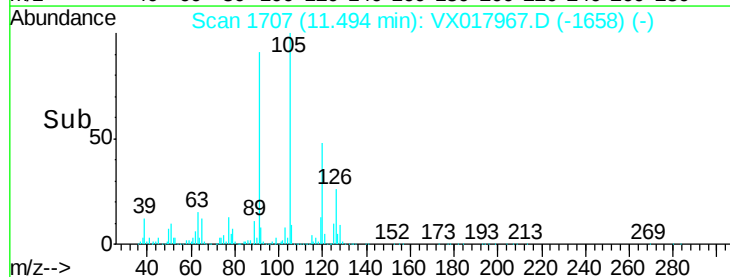
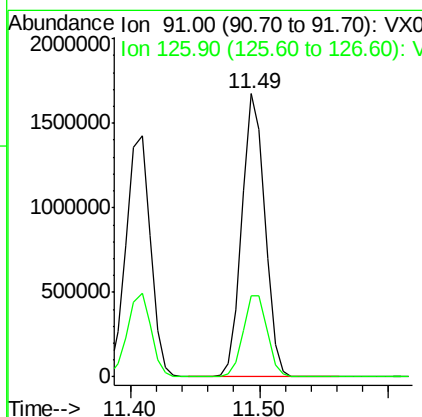
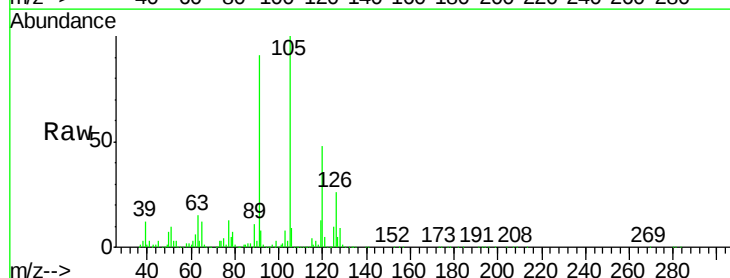
RT: 11.49 min Scan# 1707

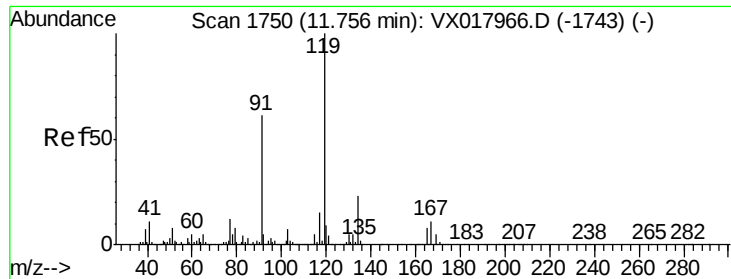
Delta R.T. 0.00 min

Lab File: VX017967.D

Acq: 18 Aug 2020 19:21

Tgt Ion:	91	Resp:	2069128
Ion Ratio	Lower	Upper	
91	100		
126	30.0	15.0	45.0





#83

tert-Butylbenzene

Concen: 106.512 ug/l

RT: 11.76 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX017967.D

Acq: 18 Aug 2020 19:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:119 Resp: 2078236

Ion Ratio Lower Upper

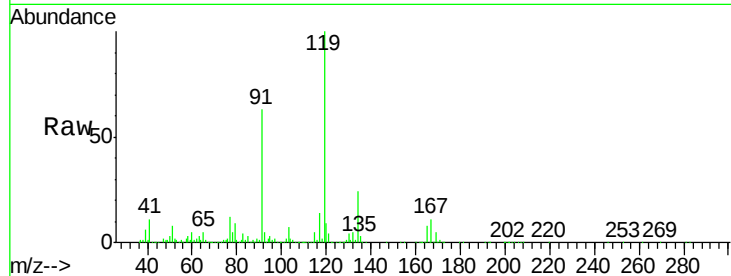
119 100

91 59.8 30.1 90.5

134 22.8 11.1 33.1

Manual Integrations
APPROVED

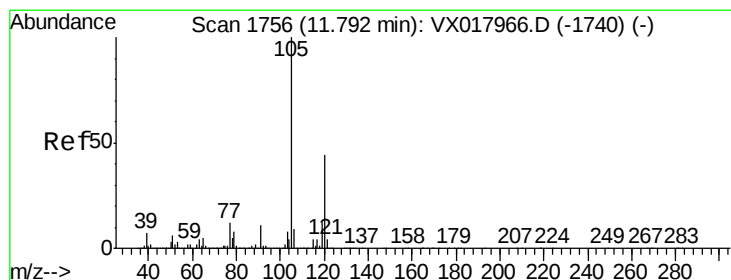
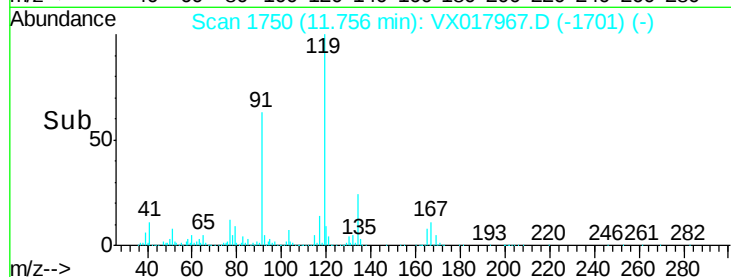
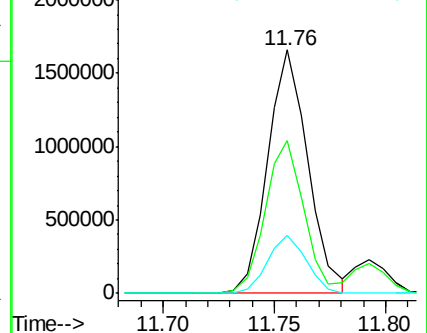
MMDadoda
8/19/2020 8:53:50 AM



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 106.155 ug/l

RT: 11.79 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VX017967.D

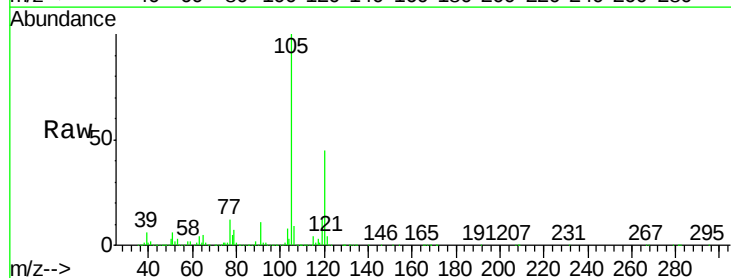
Acq: 18 Aug 2020 19:21

Tgt Ion:105 Resp: 2196618

Ion Ratio Lower Upper

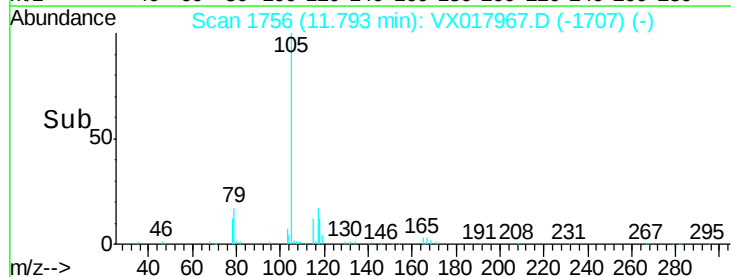
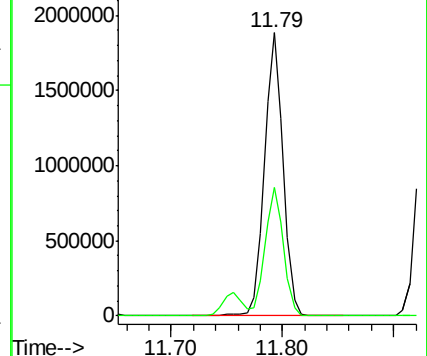
105 100

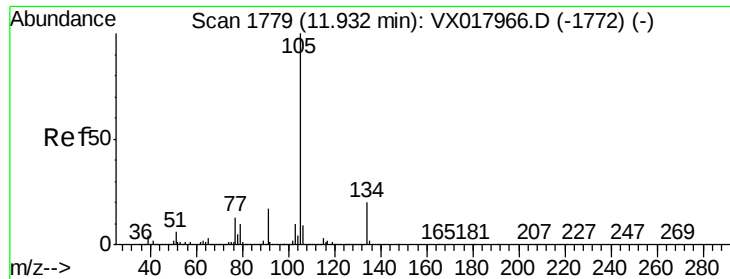
120 45.2 22.1 66.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





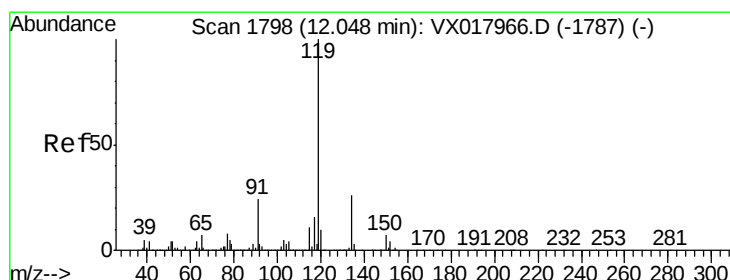
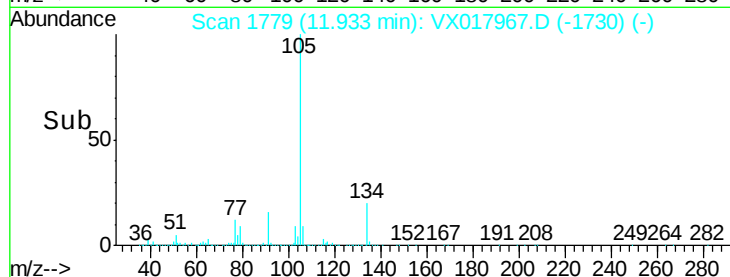
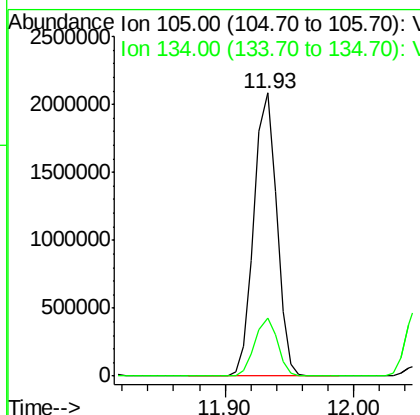
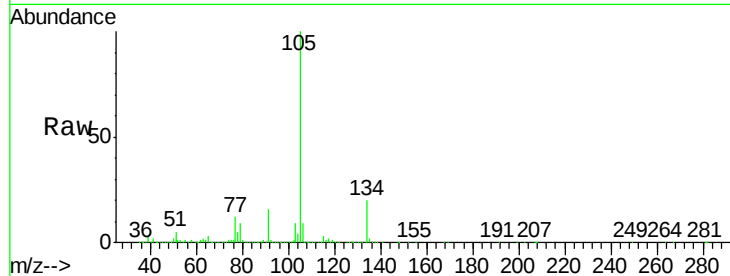
#85
 sec-Butylbenzene
 Concen: 110.642 ug/l
 RT: 11.93 min Scan# 1779
 Delta R.T. 0.00 min
 Lab File: VX017967.D
 Acq: 18 Aug 2020 19:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion:105 Resp: 2534517
 Ion Ratio Lower Upper
 105 100
 134 20.4 10.3 30.9

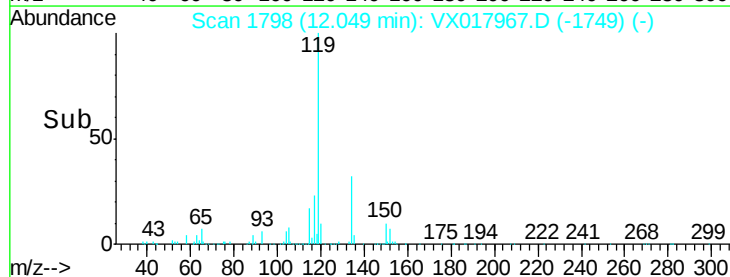
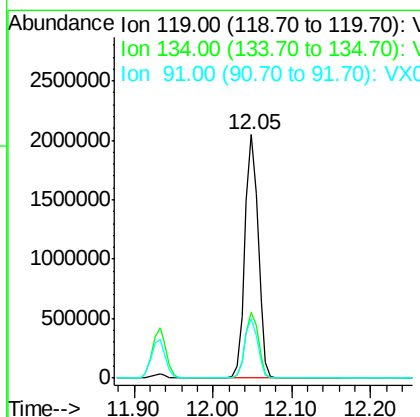
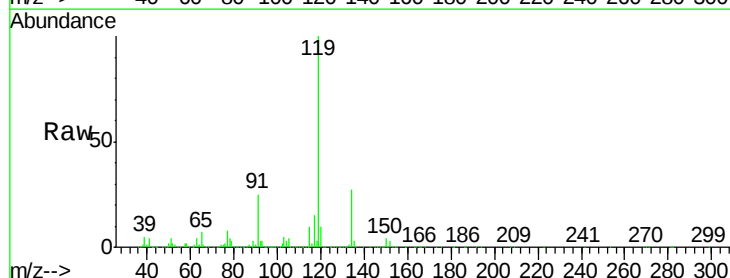
Manual Integrations
 APPROVED

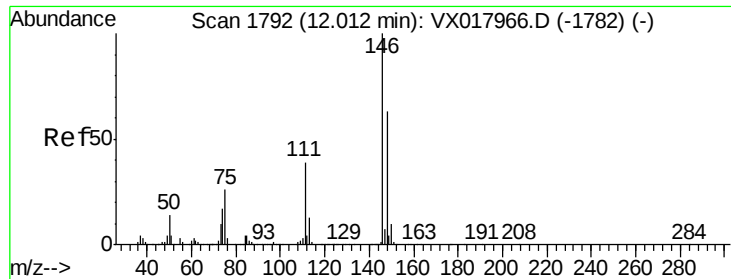
MMDadoda
 8/19/2020 8:53:50 AM



#86
 p-Isopropyltoluene
 Concen: 109.839 ug/l
 RT: 12.05 min Scan# 1798
 Delta R.T. 0.00 min
 Lab File: VX017967.D
 Acq: 18 Aug 2020 19:21

Tgt Ion:119 Resp: 2389236
 Ion Ratio Lower Upper
 119 100
 134 26.9 12.7 38.0
 91 24.4 12.2 36.4





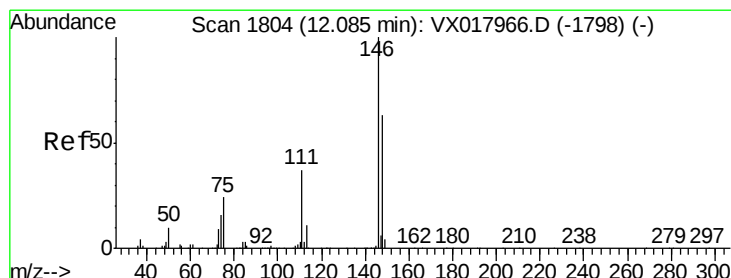
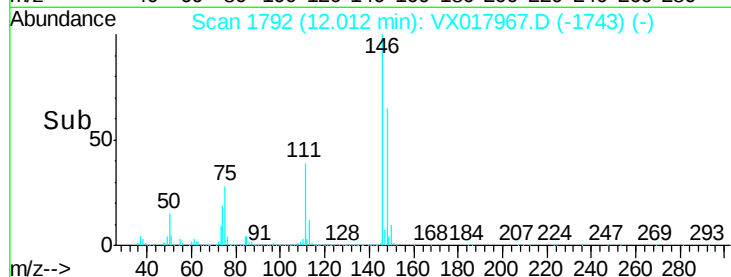
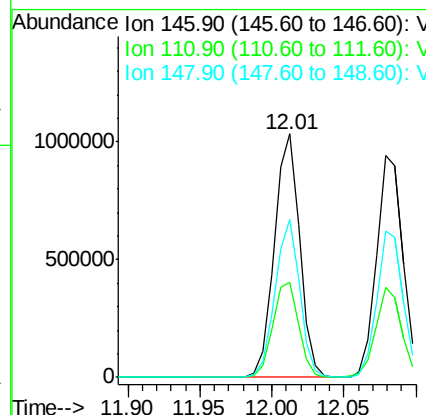
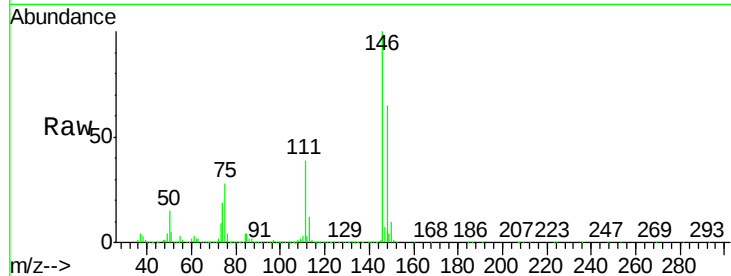
#87
 1,3-Dichlorobenzene
 Concen: 109.301 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX017967.D
 Acq: 18 Aug 2020 19:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.1	60.3
148	63.2	31.6	95.0

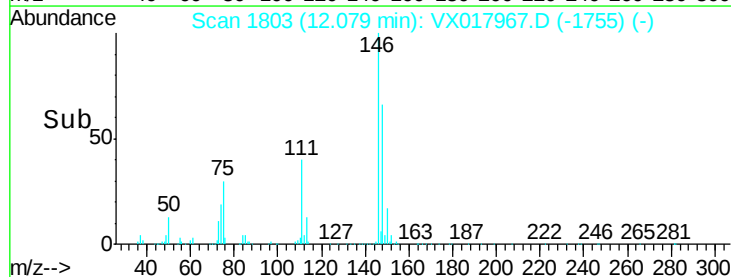
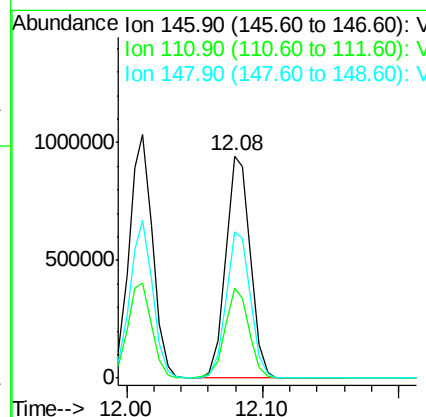
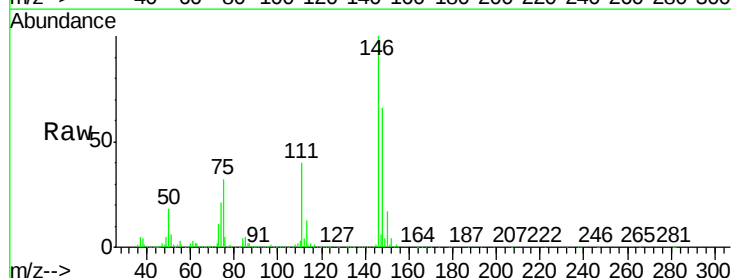
Manual Integrations
 APPROVED

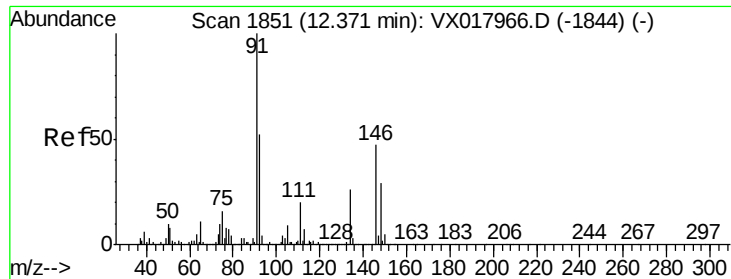
MMDadoda
 8/19/2020 8:53:50 AM



#88
 1,4-Dichlorobenzene
 Concen: 98.286 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. -0.01 min
 Lab File: VX017967.D
 Acq: 18 Aug 2020 19:21

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.7	59.1
148	64.9	31.9	95.7





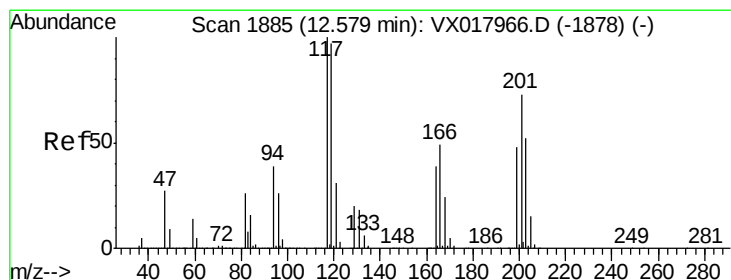
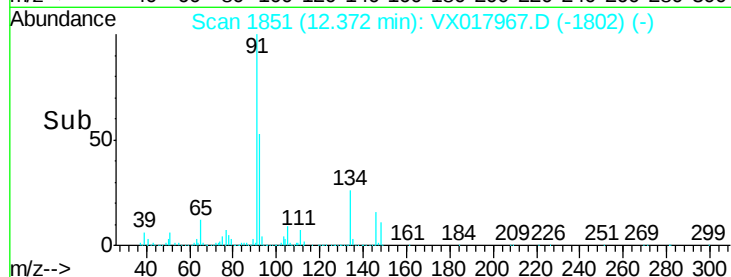
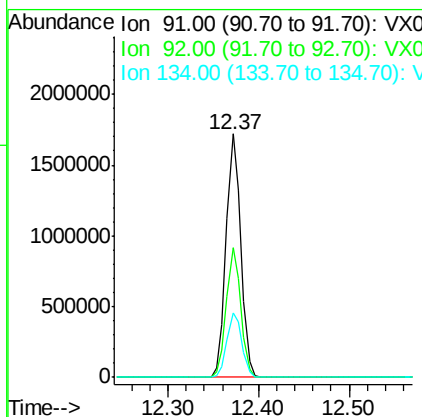
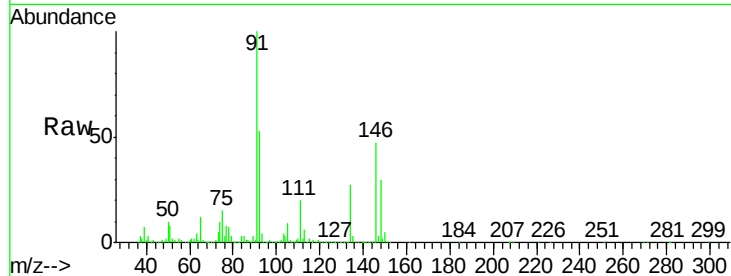
#89
n-Butylbenzene
Concen: 100.240 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. 0.00 min
Lab File: VX017967.D
Acq: 18 Aug 2020 19:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	25.7	77.0
134	27.0	13.4	40.2

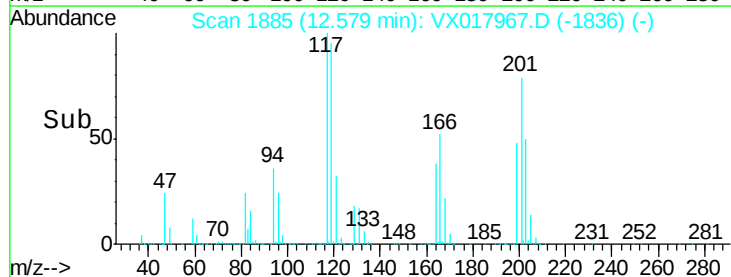
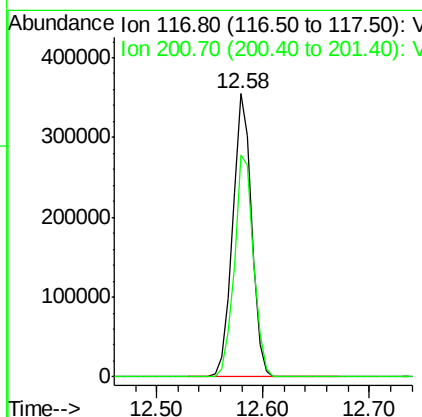
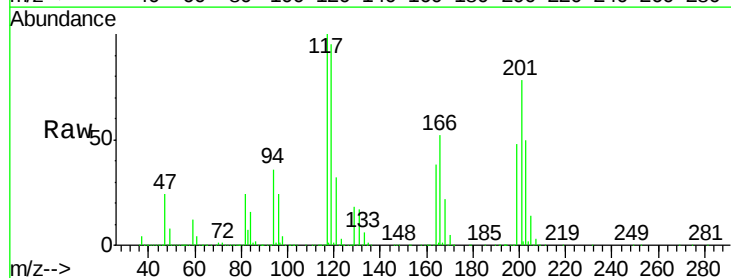
Manual Integrations
APPROVED

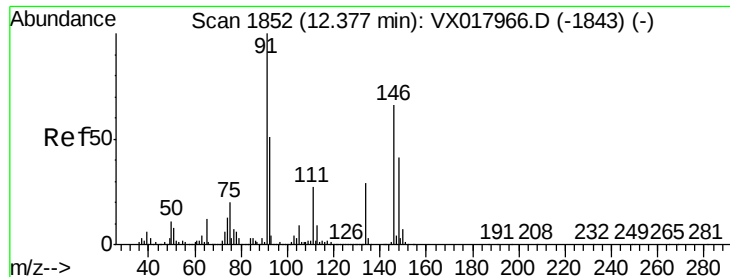
MMDadoda
8/19/2020 8:53:50 AM



#90
Hexachloroethane
Concen: 102.714 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX017967.D
Acq: 18 Aug 2020 19:21

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.1	40.8	122.2





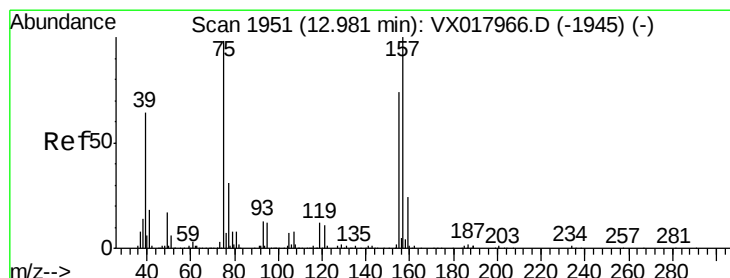
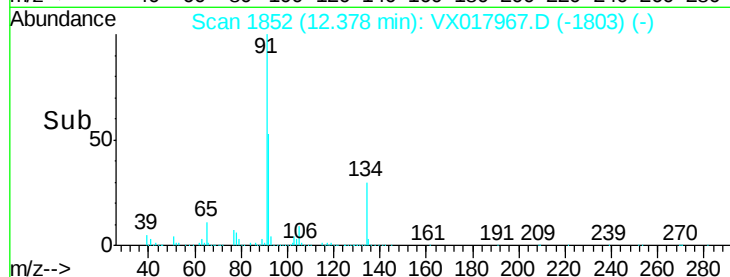
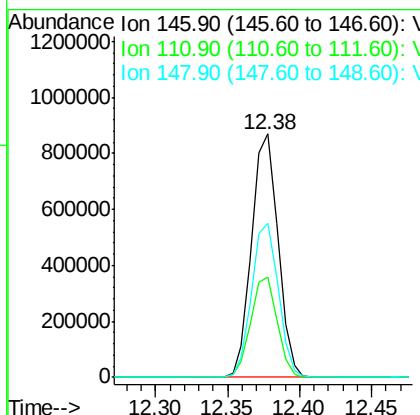
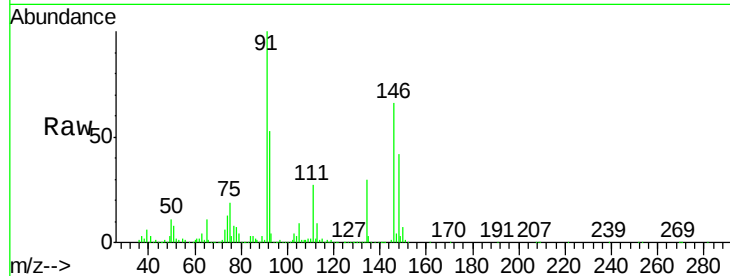
#91
 1,2-Dichlorobenzene
 Concen: 96.773 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VX017967.D
 Acq: 18 Aug 2020 19:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.6	61.9
148	64.1	31.2	93.6

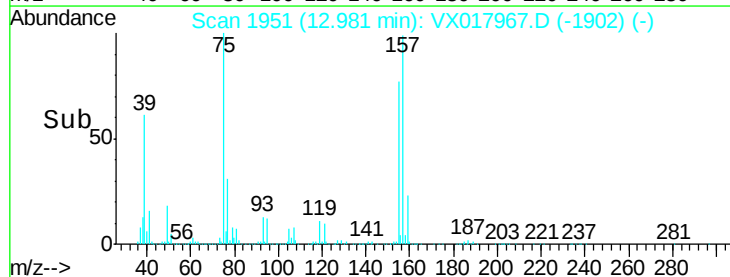
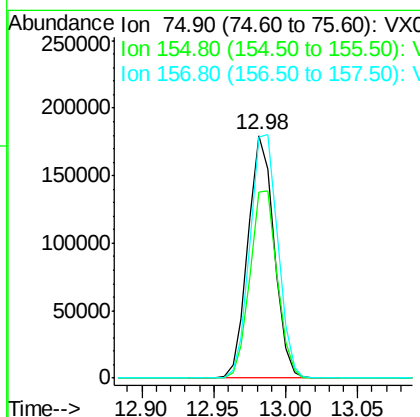
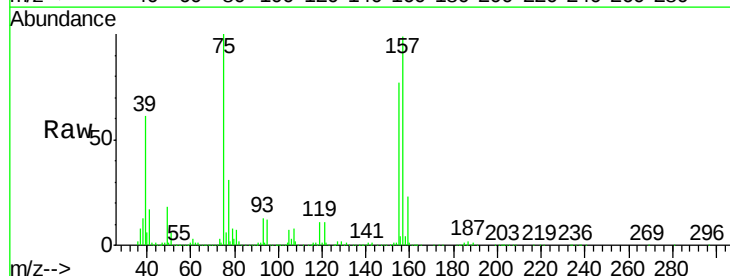
Manual Integrations
 APPROVED

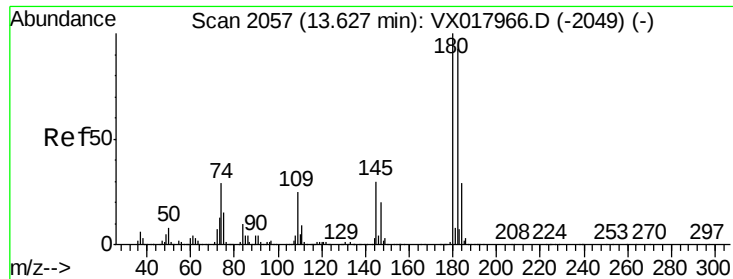
MMDadoda
 8/19/2020 8:53:50 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 107.665 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VX017967.D
 Acq: 18 Aug 2020 19:21

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.5	40.5	121.5
157	106.8	54.4	163.2





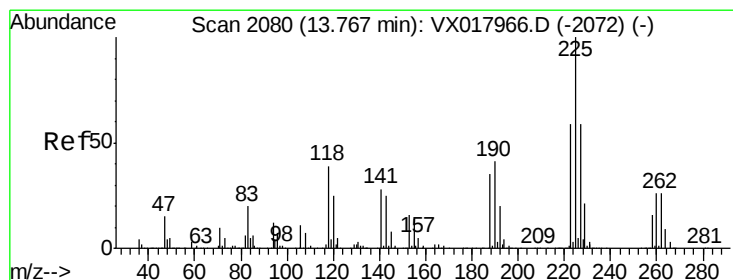
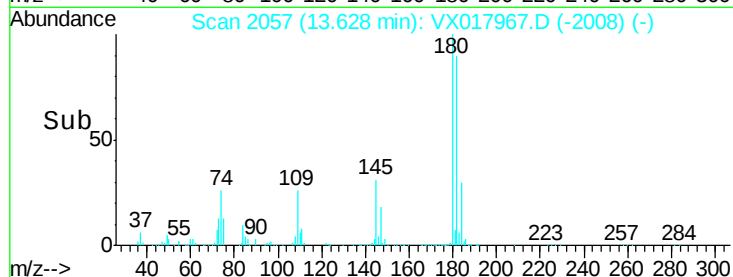
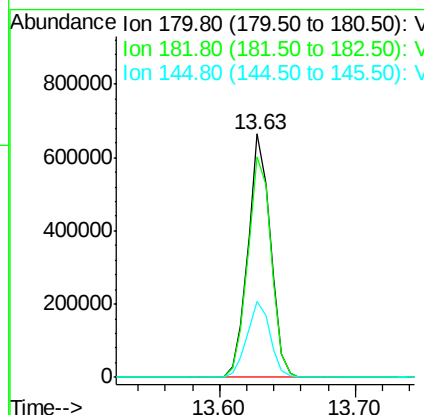
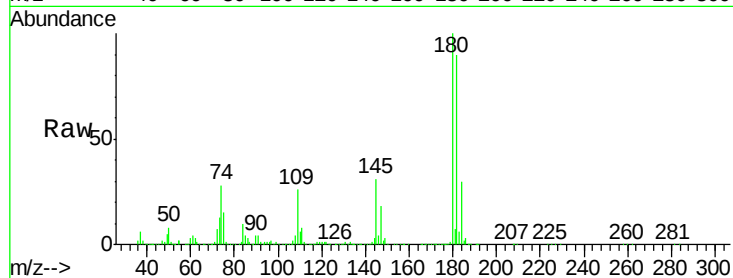
#93
 1,2,4-Trichlorobenzene
 Concen: 101.415 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX017967.D
 Acq: 18 Aug 2020 19:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion:	180	Resp:	769136
Ion Ratio	Lower	Upper	
180	100		
182	94.5	48.8	146.4
145	31.8	16.0	48.0

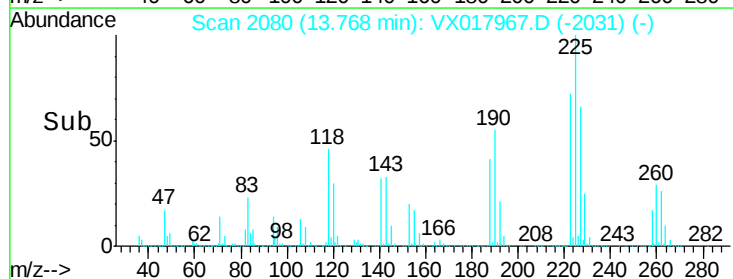
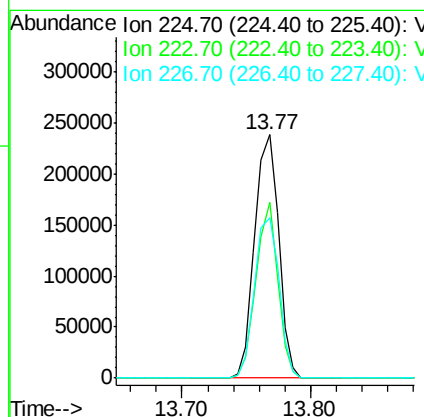
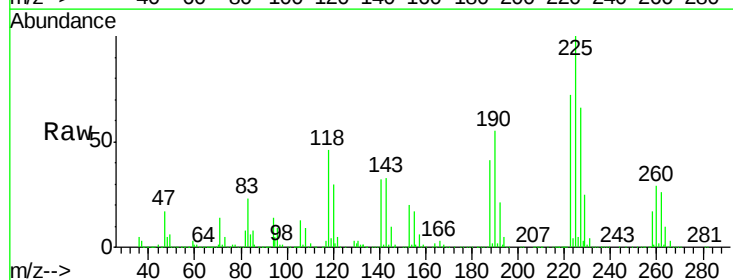
Manual Integrations
 APPROVED

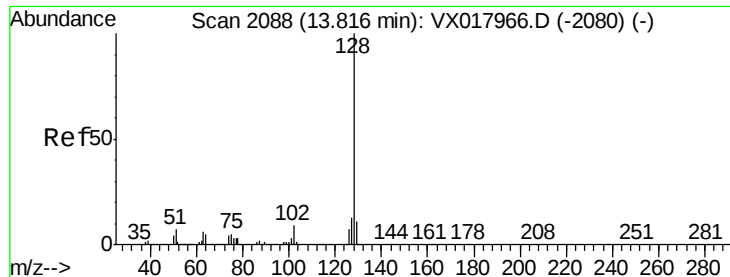
MMDadoda
 8/19/2020 8:53:50 AM



#94
 Hexachlorobutadiene
 Concen: 87.798 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VX017967.D
 Acq: 18 Aug 2020 19:21

Tgt Ion:	225	Resp:	305912
Ion Ratio	Lower	Upper	
225	100		
223	65.6	32.1	96.3
227	67.0	29.8	89.5





#95

Naphthalene

Concen: 109.838 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX017967.D

Acq: 18 Aug 2020 19:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:128 Resp: 2505016

Ion Ratio Lower Upper

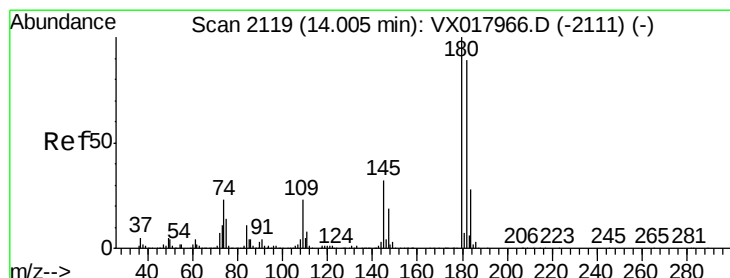
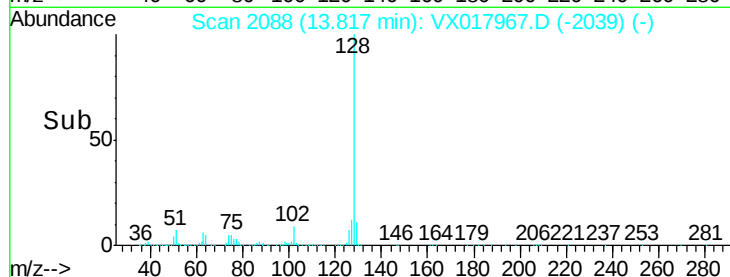
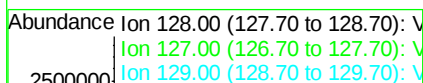
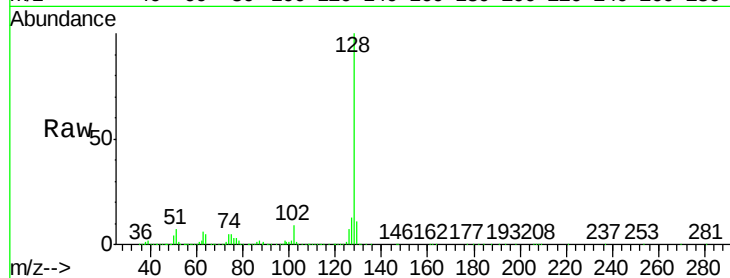
128 100

127 12.7 10.7 16.1

129 11.0 8.6 13.0

Manual Integrations
APPROVED

MMDadoda
8/19/2020 8:53:50 AM



#96

1,2,3-Trichlorobenzene

Concen: 101.358 ug/l

RT: 14.01 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VX017967.D

Acq: 18 Aug 2020 19:21

Tgt Ion:180 Resp: 767985

Ion Ratio Lower Upper

180 100

182 91.5 46.6 139.8

145 33.2 16.8 50.4

