

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081920\
 Data File : VX017965.D
 Acq On : 18 Aug 2020 18:35
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 8/19/2020 8:53:40 AM

Quant Time: Aug 19 03:08:07 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	5.63	168	445948	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	680643	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	669107	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	340901	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	139840	24.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	48.44%	
35) Dibromofluoromethane	5.46	113	109672	23.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	47.92%	
50) Toluene-d8	8.70	98	397053	24.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	48.16%	
62) 4-Bromofluorobenzene	11.12	95	137580	20.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	132167	26.053	ug/l	99
3) Chloromethane	1.31	50	122410	20.165	ug/l	99
4) Vinyl Chloride	1.39	62	111017	19.252	ug/l	98
5) Bromomethane	1.63	94	68043	20.393	ug/l	99
6) Chloroethane	1.72	64	64465	18.720	ug/l	90
7) Trichlorofluoromethane	1.92	101	177154	19.552	ug/l	99
8) Diethyl Ether	2.17	74	49190	15.698	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.36	101	80442	16.801	ug/l	98
10) Methyl Iodide	2.49	142	102376	16.727	ug/l	99
11) Tert butyl alcohol	3.02	59	119192	99.937	ug/l	98
12) 1,1-Dichloroethene	2.36	96	75091	16.671	ug/l	94
13) Acrolein	2.28	56	59144	75.607	ug/l	99
14) Allyl chloride	2.71	41	132312	16.308	ug/l	99
15) Acrylonitrile	3.12	53	268284	103.452	ug/l	98
16) Acetone	2.42	43	242994	96.057	ug/l	99
17) Carbon Disulfide	2.55	76	184361	13.710	ug/l	100
18) Methyl Acetate	2.75	43	128026	21.547	ug/l	98
19) Methyl tert-butyl Ether	3.17	73	290142	18.388	ug/l	98
20) Methylene Chloride	2.84	84	90402	16.693	ug/l	92
21) trans-1,2-Dichloroethene	3.14	96	79022	16.487	ug/l	97
22) Diisopropyl ether	3.83	45	296198	19.218	ug/l	99
23) Vinyl Acetate	3.79	43	1060591	79.938	ug/l	100
24) 1,1-Dichloroethane	3.67	63	158597	17.973	ug/l	98
25) 2-Butanone	4.64	43	367733	101.551	ug/l	99
26) 2,2-Dichloropropane	4.56	77	143089	18.024	ug/l	97
27) cis-1,2-Dichloroethene	4.57	96	90379	16.988	ug/l	99
28) Bromochloromethane	4.98	49	92934	22.881	ug/l	98
29) Tetrahydrofuran	5.10	42	233970	103.848	ug/l	98
30) Chloroform	5.18	83	173491	19.081	ug/l	100
31) Cyclohexane	5.55	56	127995	17.830	ug/l	99
32) 1,1,1-Trichloroethane	5.47	97	158055	18.492	ug/l	99
36) 1,1-Dichloropropene	5.77	75	107168	16.529	ug/l	98
37) Ethyl Acetate	4.80	43	125498	17.988	ug/l	98
38) Carbon Tetrachloride	5.76	117	138126	17.362	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX081920\
 Data File : VX017965.D
 Acq On : 18 Aug 2020 18:35
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 8/19/2020 8:53:40 AM

Quant Time: Aug 19 03:08:07 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	7.45	83	124917	16.326	ug/l	97
40) Benzene	6.12	78	332283	17.925	ug/l	98
41) Methacrylonitrile	5.01	41	73591	18.051	ug/l	98
42) 1,2-Dichloroethane	6.16	62	142651	18.757	ug/l	100
43) Isopropyl Acetate	6.42	43	206795	18.115	ug/l	99
44) Trichloroethene	7.19	130	93555	17.151	ug/l	94
45) 1,2-Dichloropropane	7.49	63	95694	18.365	ug/l	100
46) Dibromomethane	7.64	93	66105	17.989	ug/l	96
47) Bromodichloromethane	7.88	83	137271	18.212	ug/l	96
48) Methyl methacrylate	7.75	41	101912	17.357	ug/l	98
49) 1,4-Dioxane	7.71	88	43261	383.012	ug/l	96
51) 4-Methyl-2-Pentanone	8.62	43	740274	104.851	ug/l	99
52) Toluene	8.77	92	214303	17.914	ug/l	97
53) t-1,3-Dichloropropene	9.02	75	147262	18.050	ug/l	99
54) cis-1,3-Dichloropropene	8.42	75	160752	19.224	ug/l	97
55) 1,1,2-Trichloroethane	9.20	97	101115	20.134	ug/l	97
56) Ethyl methacrylate	9.16	69	133744	17.913	ug/l	99
57) 1,3-Dichloropropane	9.35	76	161321	19.609	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.29	63	314015	81.270	ug/l	100
59) 2-Hexanone	9.48	43	555513	105.129	ug/l	99
60) Dibromochloromethane	9.57	129	123133	19.403	ug/l	100
61) 1,2-Dibromoethane	9.65	107	108099	20.046	ug/l	100
64) Tetrachloroethene	9.32	164	101482	17.296	ug/l	94
65) Chlorobenzene	10.12	112	247465	17.297	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.21	131	106442	18.344	ug/l	99
67) Ethyl Benzene	10.24	91	404526	17.025	ug/l	98
68) m/p-Xylenes	10.34	106	309290	33.854	ug/l	99
69) o-Xylene	10.68	106	144090	16.324	ug/l	99
70) Styrene	10.70	104	256605	17.050	ug/l	98
71) Bromoform	10.84	173	93157	18.590	ug/l #	99
73) Isopropylbenzene	11.00	105	412611	17.736	ug/l	99
74) N-amyl acetate	10.88	43	183210	17.974	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.25	83	146414	19.796	ug/l	99
76) 1,2,3-Trichloropropane	11.28	75	137624m	19.590	ug/l	
77) Bromobenzene	11.24	156	115673	17.775	ug/l	98
78) n-propylbenzene	11.35	91	469395	17.810	ug/l	100
79) 2-Chlorotoluene	11.40	91	293083	17.980	ug/l	97
80) 1,3,5-Trimethylbenzene	11.49	105	362092	18.286	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.06	75	50661	18.152	ug/l	97
82) 4-Chlorotoluene	11.49	91	349391	18.301	ug/l	98
83) tert-Butylbenzene	11.76	119	346156	18.344	ug/l	98
84) 1,2,4-Trimethylbenzene	11.79	105	373655	18.671	ug/l	98
85) sec-Butylbenzene	11.93	105	410826	18.544	ug/l	100
86) p-Isopropyltoluene	12.05	119	389468	18.513	ug/l	99
87) 1,3-Dichlorobenzene	12.01	146	205718	18.513	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	209385	18.141	ug/l	99
89) n-Butylbenzene	12.37	91	295963	15.891	ug/l	99
90) Hexachloroethane	12.58	117	75773	18.182	ug/l	97
91) 1,2-Dichlorobenzene	12.38	146	193917	17.674	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.98	75	33935	16.837	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081920\
Data File : VX017965.D
Acq On : 18 Aug 2020 18:35
Operator : JC/SP
Sample : VSTDICC020
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

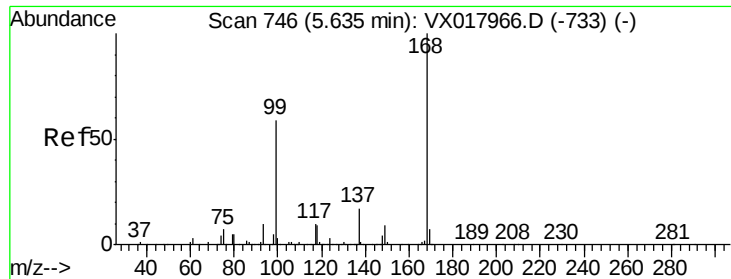
Manual Integrations
APPROVED

MMDadoda
8/19/2020 8:53:40 AM

Quant Time: Aug 19 03:08:07 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	117101	15.965	ug/l	99
94) Hexachlorobutadiene	13.77	225	50851	15.091	ug/l	91
95) Naphthalene	13.82	128	371659	16.850	ug/l	99
96) 1,2,3-Trichlorobenzene	14.00	180	120646	16.464	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX017965.D

Acq: 18 Aug 2020 18:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 445948

Ion Ratio Lower Upper

168 100

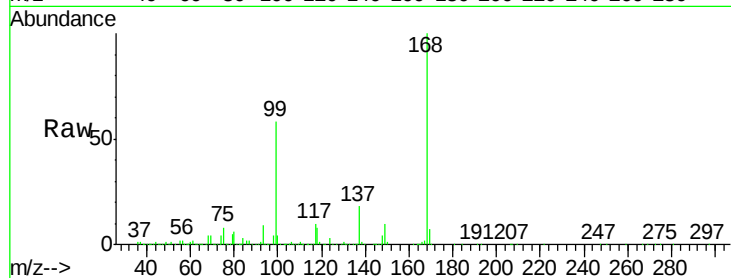
99 57.8 47.4 71.2

Manual Integrations

APPROVED

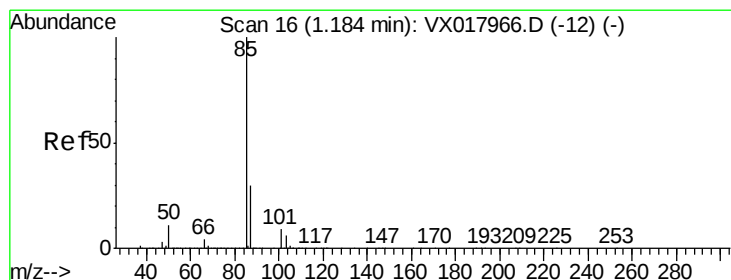
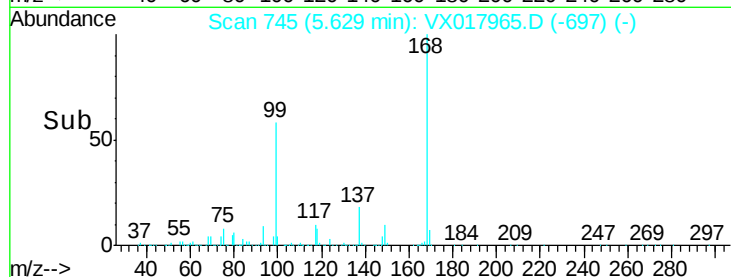
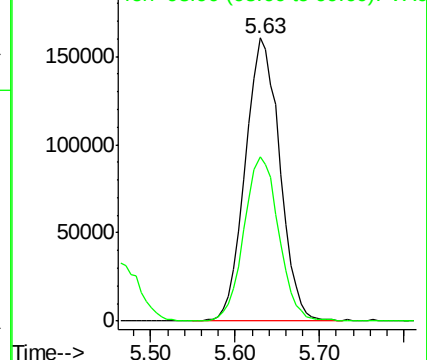
MMDadoda

8/19/2020 8:53:40 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 26.053 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX017965.D

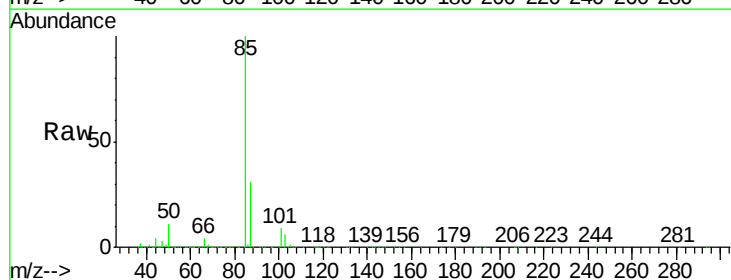
Acq: 18 Aug 2020 18:35

Tgt Ion: 85 Resp: 132167

Ion Ratio Lower Upper

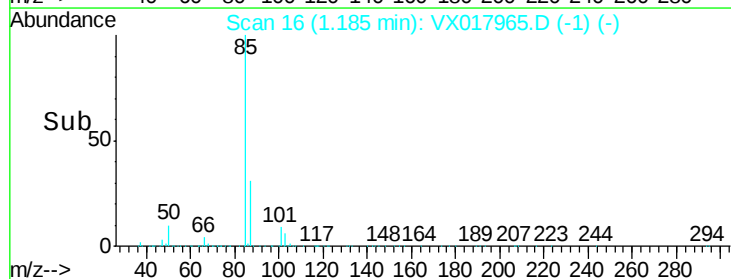
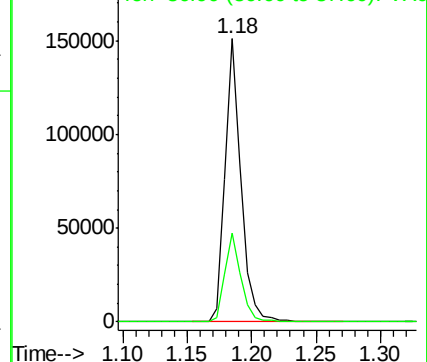
85 100

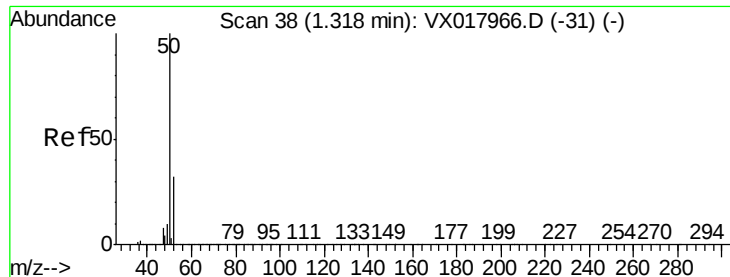
87 31.2 15.3 45.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 20.165 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.01 min

Lab File: VX017965.D

Acq: 18 Aug 2020 18:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 122410

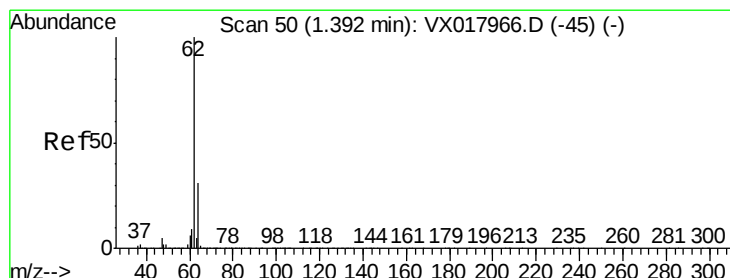
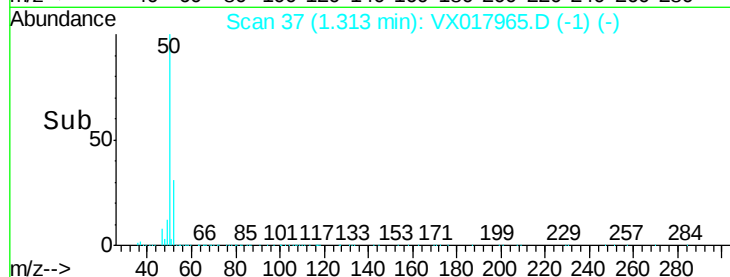
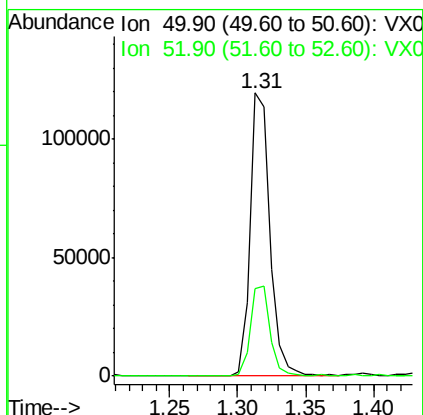
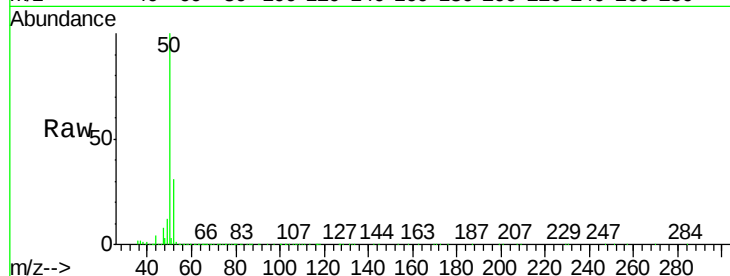
Ion Ratio Lower Upper

50 100

52 30.9 25.4 38.0

Manual Integrations
APPROVED

MMDadoda
8/19/2020 8:53:40 AM



#4

Vinyl Chloride

Concen: 19.252 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX017965.D

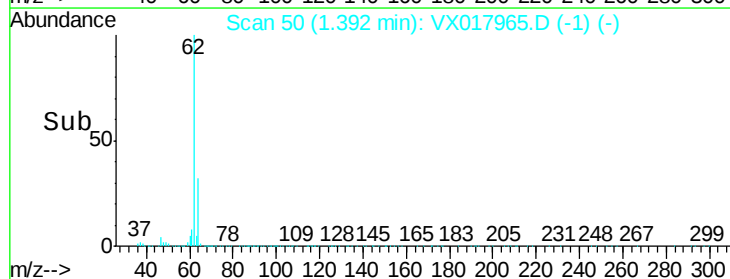
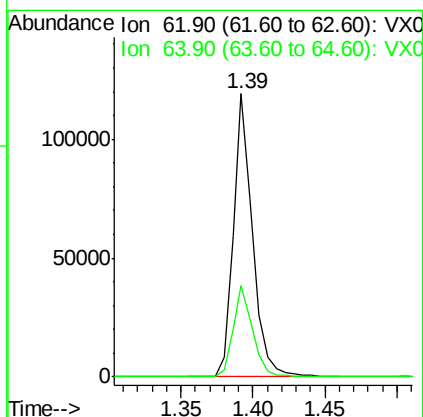
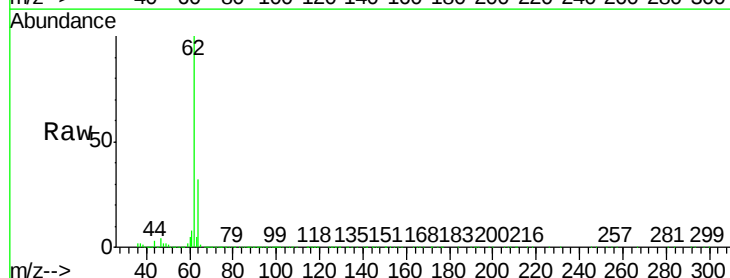
Acq: 18 Aug 2020 18:35

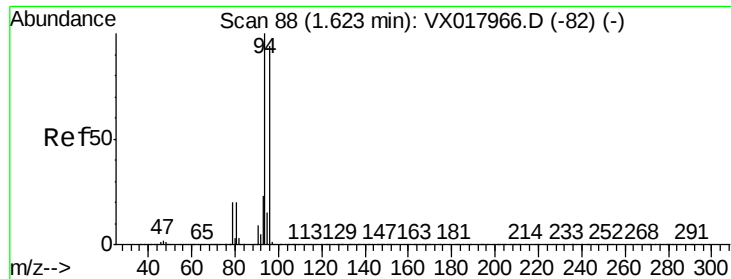
Tgt Ion: 62 Resp: 111017

Ion Ratio Lower Upper

62 100

64 32.1 24.7 37.1





#5

Bromomethane

Concen: 20.393 ug/l

RT: 1.63 min Scan# 89

Delta R.T. 0.01 min

Lab File: VX017965.D

Acq: 18 Aug 2020 18:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 68043

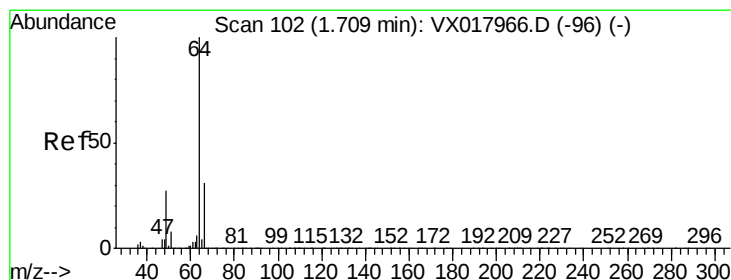
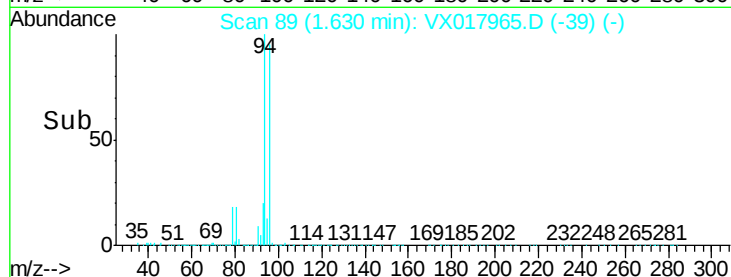
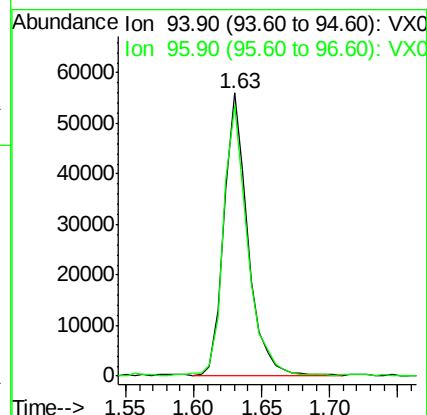
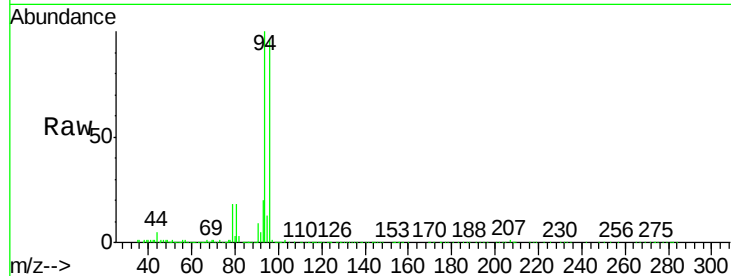
Ion Ratio Lower Upper

94 100

96 95.3 75.5 113.3

Manual Integrations
APPROVED

MMDadoda
8/19/2020 8:53:40 AM



#6

Chloroethane

Concen: 18.720 ug/l

RT: 1.72 min Scan# 103

Delta R.T. 0.01 min

Lab File: VX017965.D

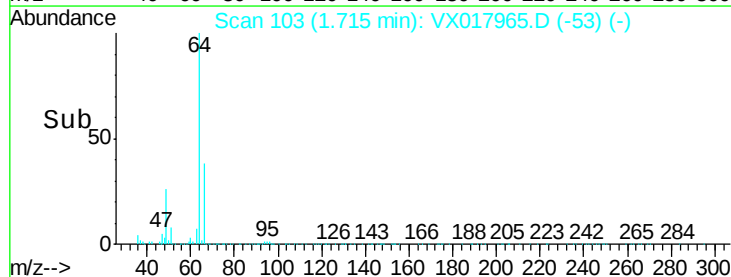
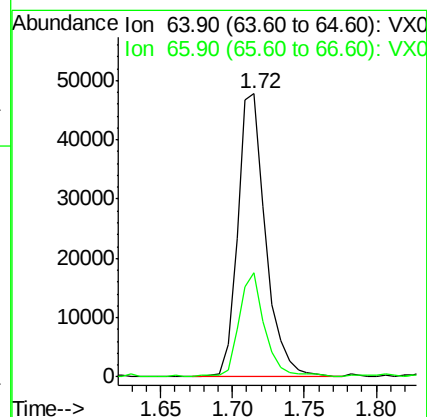
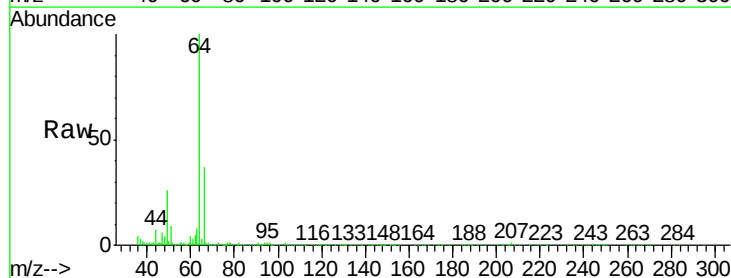
Acq: 18 Aug 2020 18:35

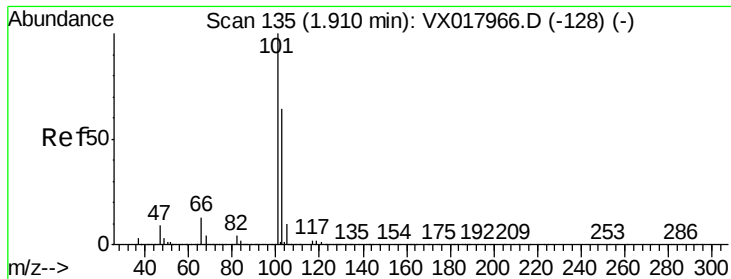
Tgt Ion: 64 Resp: 64465

Ion Ratio Lower Upper

64 100

66 36.5 25.0 37.4





#7

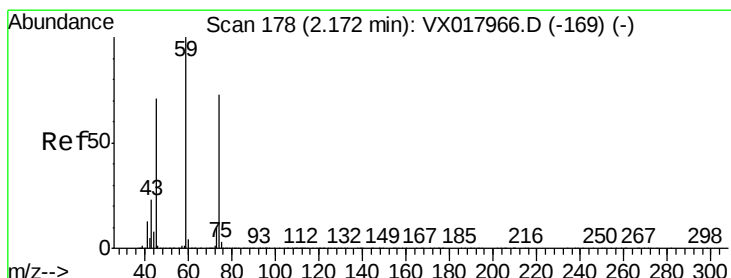
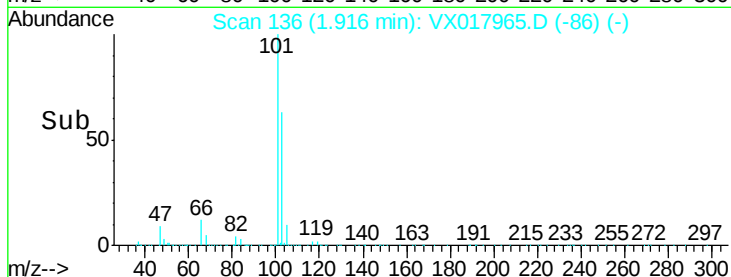
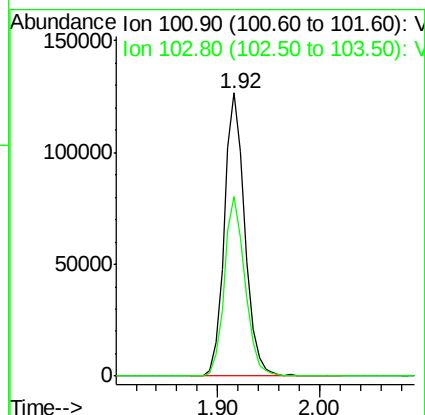
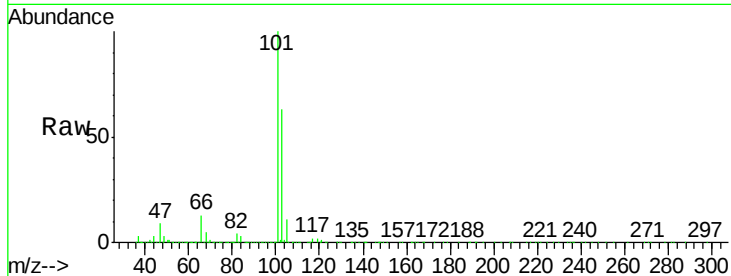
Trichlorofluoromethane
Concen: 19.552 ug/l
RT: 1.92 min Scan# 136
Delta R.T. 0.01 min
Lab File: VX017965.D
Acq: 18 Aug 2020 18:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.3	51.2	76.8

Manual Integrations
APPROVED

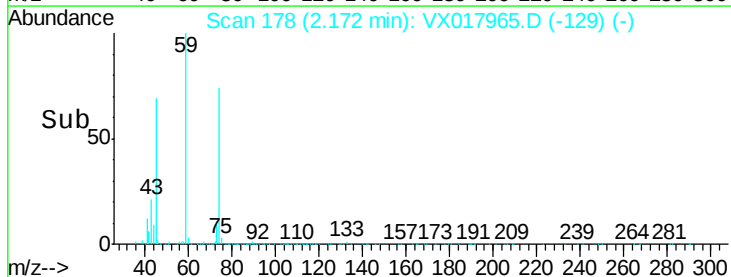
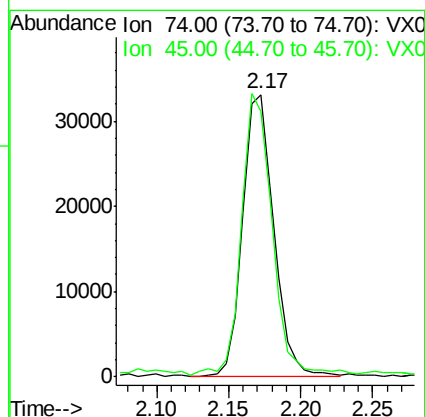
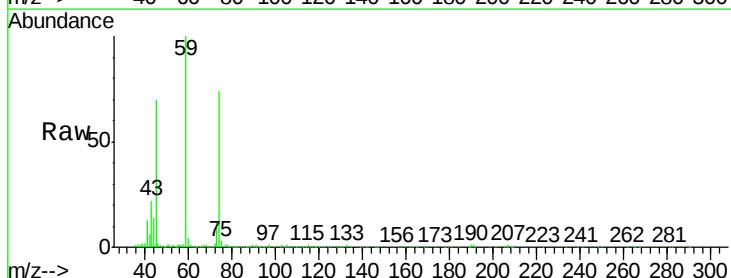
MMDadoda
8/19/2020 8:53:40 AM

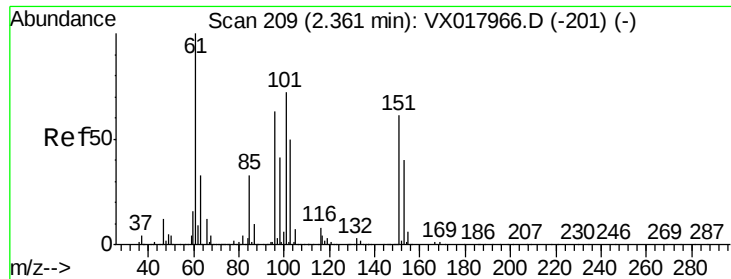


#8

Diethyl Ether
Concen: 15.698 ug/l
RT: 2.17 min Scan# 178
Delta R.T. 0.00 min
Lab File: VX017965.D
Acq: 18 Aug 2020 18:35

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.1	50.5	151.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 16.801 ug/l

RT: 2.36 min Scan# 209

Delta R.T. 0.00 min

Lab File: VX017965.D

Acq: 18 Aug 2020 18:35

Instrument :

MSVOA_X

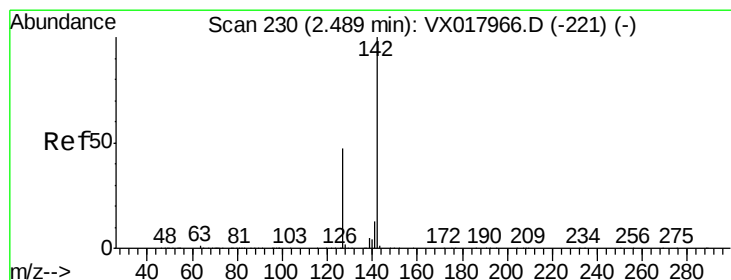
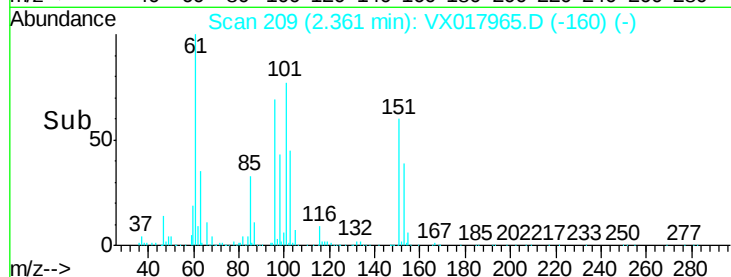
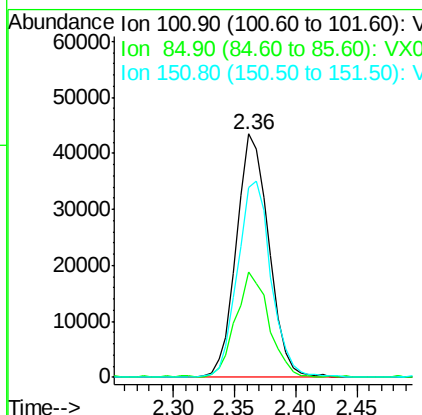
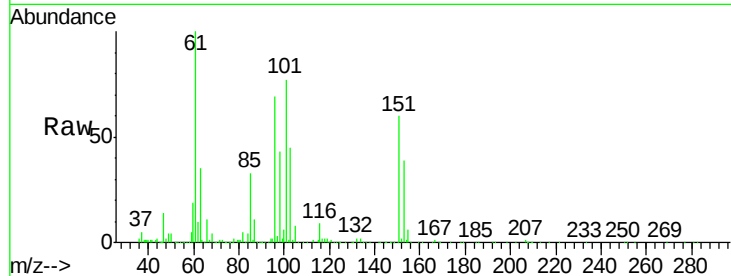
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	80442
Ion Ratio	Lower	Upper	
101	100		
85	43.4	35.4	53.2
151	83.2	65.4	98.0

Manual Integrations
APPROVED

MMDadoda
8/19/2020 8:53:40 AM



#10

Methyl Iodide

Concen: 16.727 ug/l

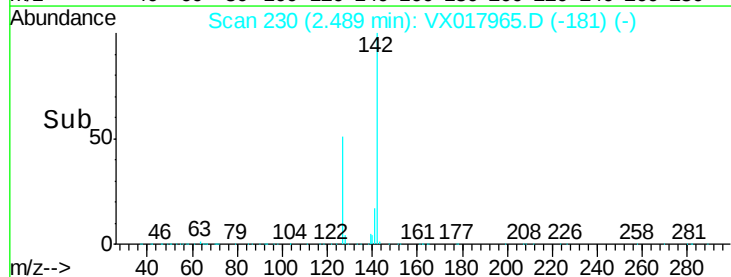
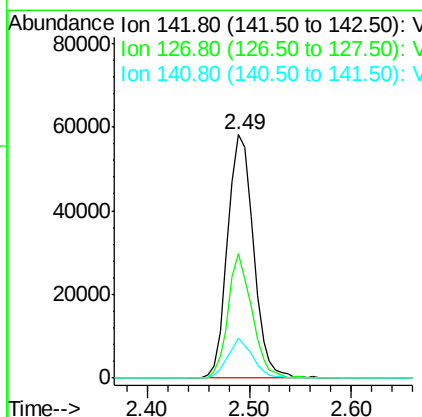
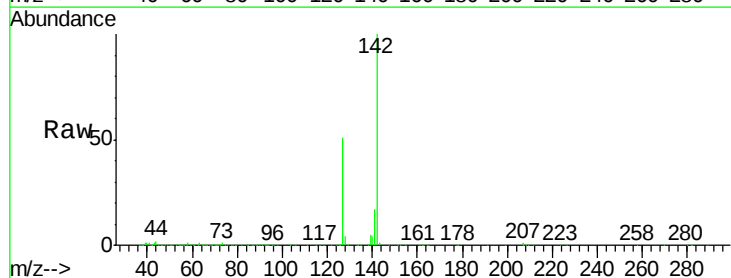
RT: 2.49 min Scan# 230

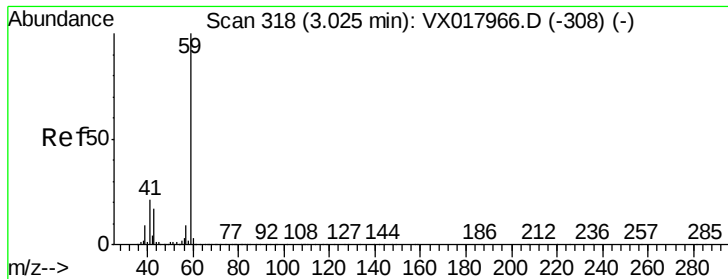
Delta R.T. 0.00 min

Lab File: VX017965.D

Acq: 18 Aug 2020 18:35

Tgt Ion:	142	Resp:	102376
Ion Ratio	Lower	Upper	
142	100		
127	47.4	38.0	57.0
141	15.8	11.2	16.8





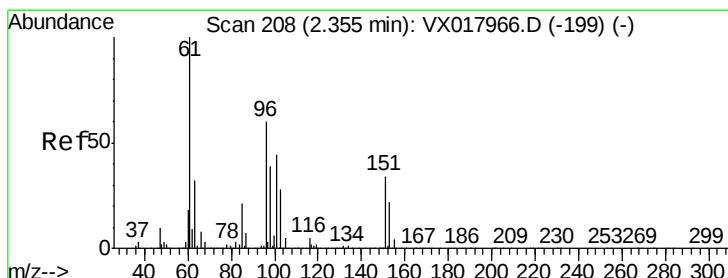
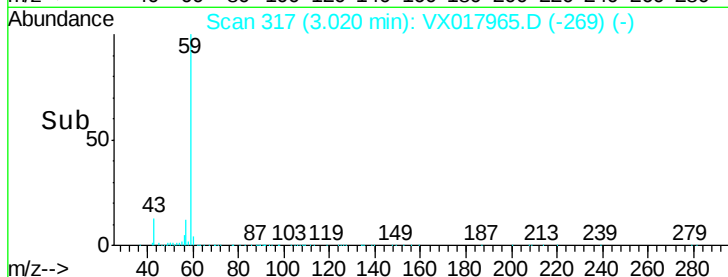
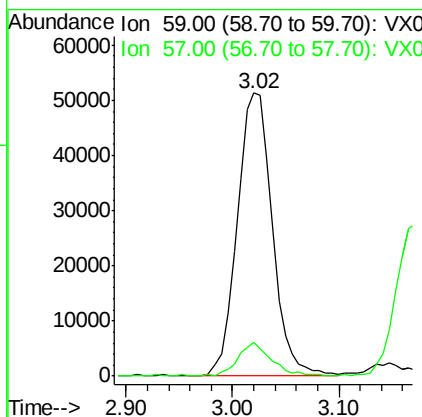
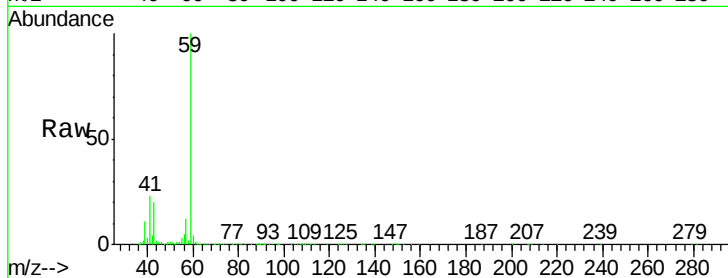
#11
Tert butyl alcohol
Concen: 99.937 ug/l
RT: 3.02 min Scan# 317
Delta R.T. -0.01 min
Lab File: VX017965.D
Acq: 18 Aug 2020 18:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion: 59 Resp: 119192
Ion Ratio Lower Upper
59 100
57 11.5 8.6 13.0

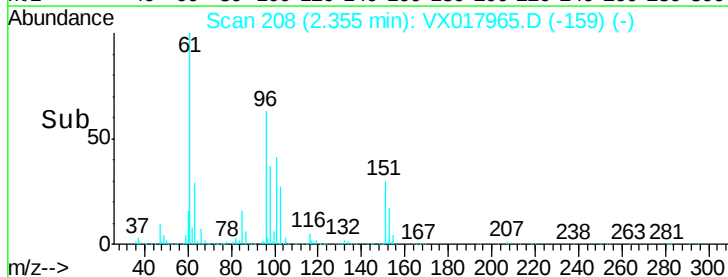
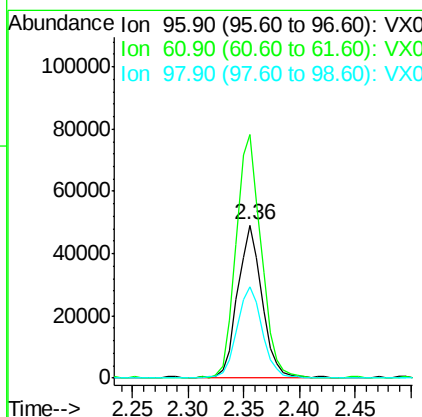
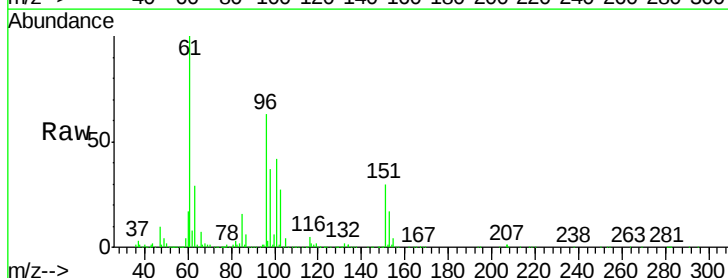
Manual Integrations
APPROVED

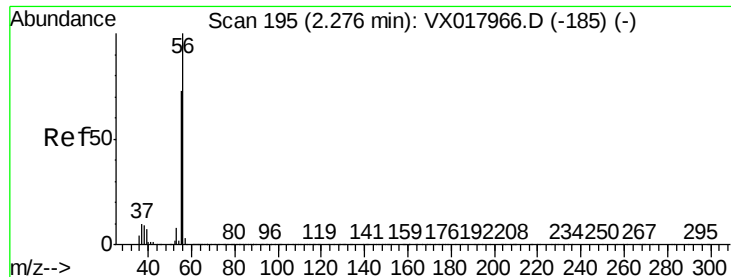
MMDadoda
8/19/2020 8:53:40 AM



#12
1,1-Dichloroethene
Concen: 16.671 ug/l
RT: 2.36 min Scan# 208
Delta R.T. 0.00 min
Lab File: VX017965.D
Acq: 18 Aug 2020 18:35

Tgt Ion: 96 Resp: 75091
Ion Ratio Lower Upper
96 100
61 159.0 132.9 199.3
98 59.4 51.6 77.4





#13

Acrolein

Concen: 75.607 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.00 min

Lab File: VX017965.D

Acq: 18 Aug 2020 18:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 59144

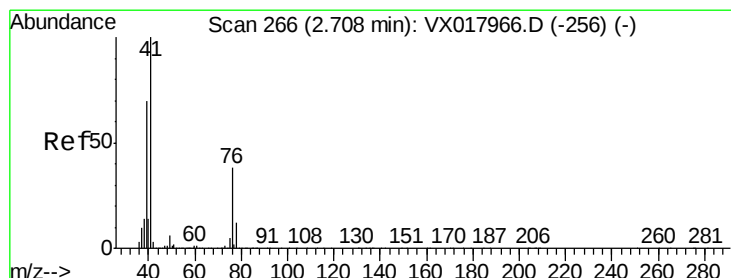
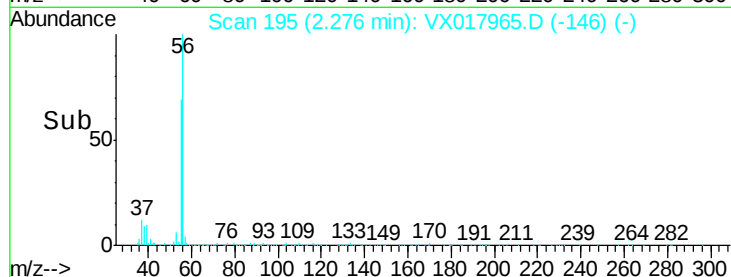
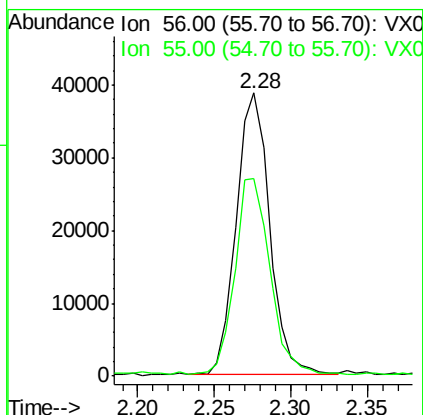
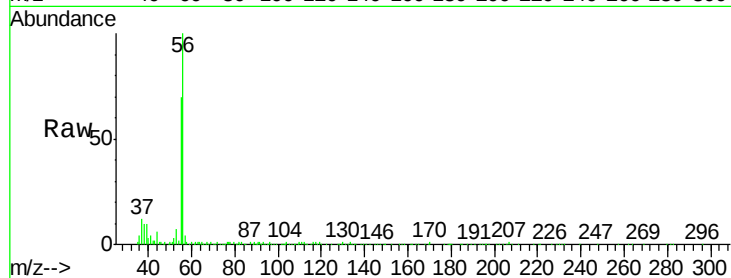
Ion Ratio Lower Upper

56 100

55 73.6 58.2 87.4

Manual Integrations
APPROVED

MMDadoda
8/19/2020 8:53:40 AM



#14

Allyl chloride

Concen: 16.308 ug/l

RT: 2.71 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX017965.D

Acq: 18 Aug 2020 18:35

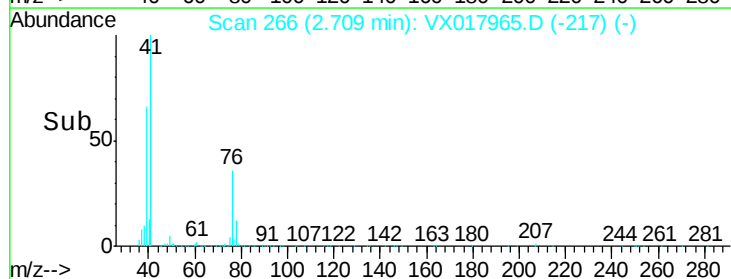
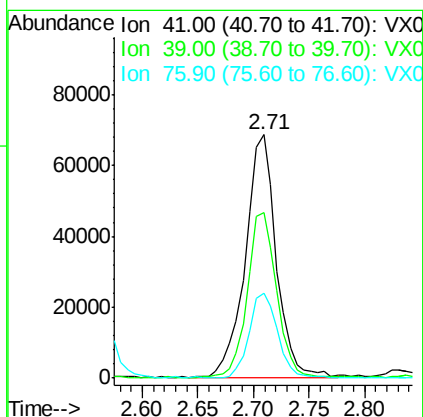
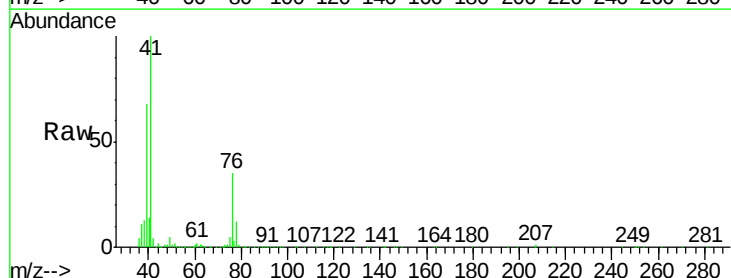
Tgt Ion: 41 Resp: 132312

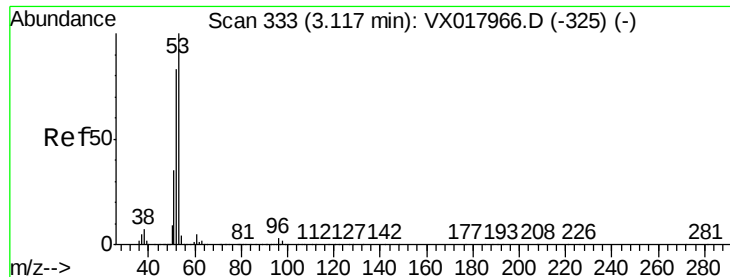
Ion Ratio Lower Upper

41 100

39 64.1 51.7 77.5

76 33.1 26.3 39.5





#15

Acrylonitrile

Concen: 103.452 ug/l

RT: 3.12 min Scan# 333

Delta R.T. 0.00 min

Lab File: VX017965.D

Acq: 18 Aug 2020 18:35

Instrument :

MSVOA_X

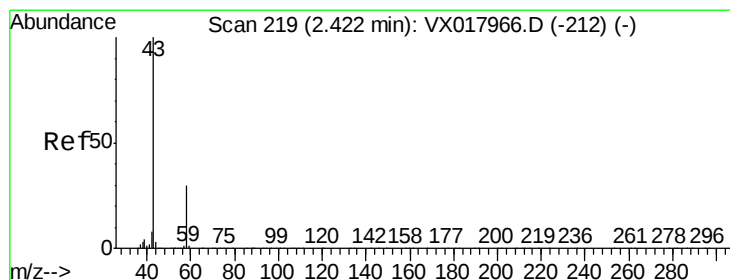
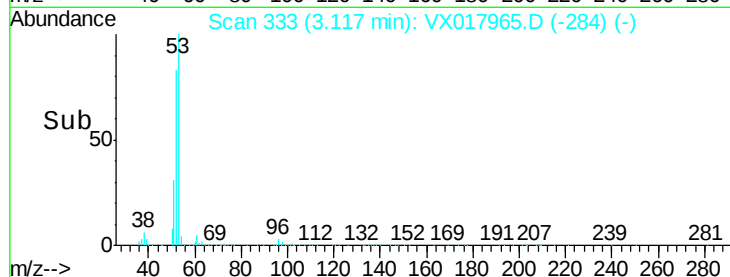
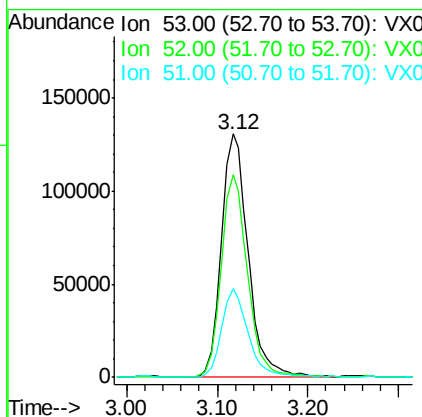
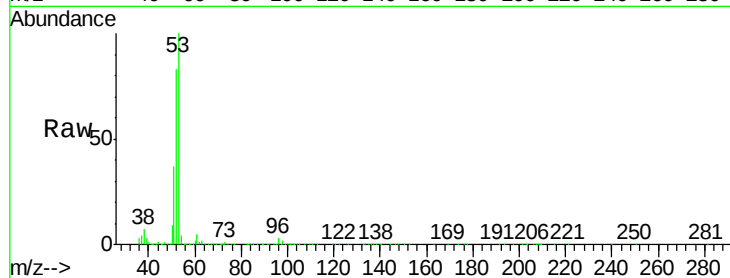
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	268284
Ion Ratio	Lower	Upper	
53	100		
52	81.3	67.1	100.7
51	35.8	29.2	43.8

Manual Integrations
APPROVED

MMDadoda
8/19/2020 8:53:40 AM



#16

Acetone

Concen: 96.057 ug/l

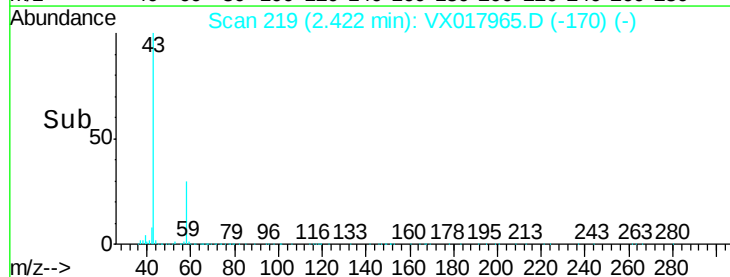
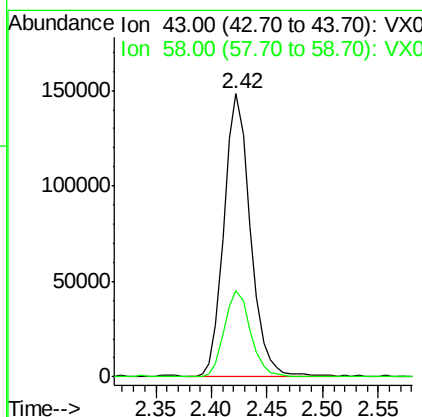
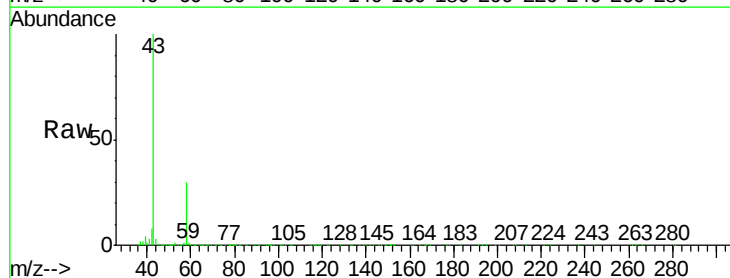
RT: 2.42 min Scan# 219

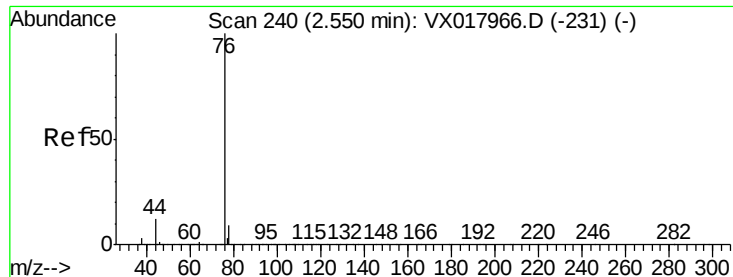
Delta R.T. 0.00 min

Lab File: VX017965.D

Acq: 18 Aug 2020 18:35

Tgt Ion:	43	Resp:	242994
Ion Ratio	Lower	Upper	
43	100		
58	30.3	23.8	35.8





#17

Carbon Disulfide

Concen: 13.710 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX017965.D

Acq: 18 Aug 2020 18:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 184361

Ion Ratio Lower Upper

76 100

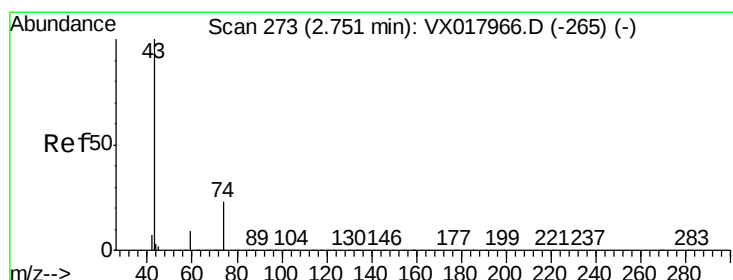
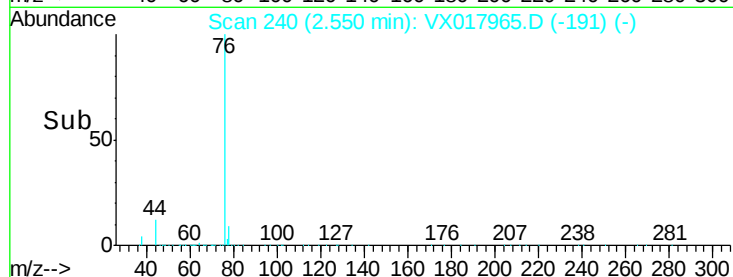
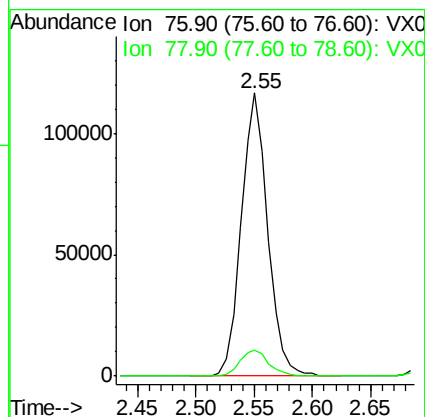
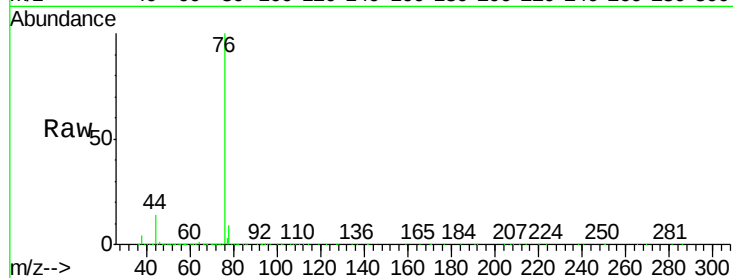
78 9.1 7.3 10.9

Manual Integrations

APPROVED

MMDadoda

8/19/2020 8:53:40 AM



#18

Methyl Acetate

Concen: 21.547 ug/l

RT: 2.75 min Scan# 273

Delta R.T. 0.00 min

Lab File: VX017965.D

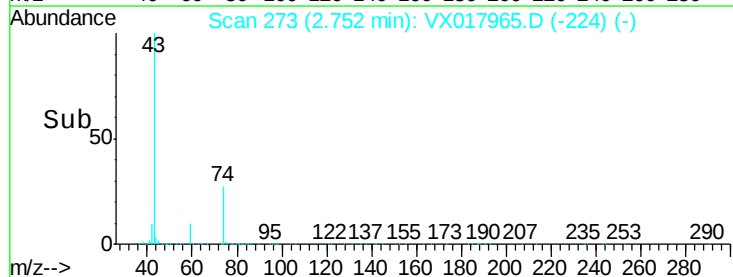
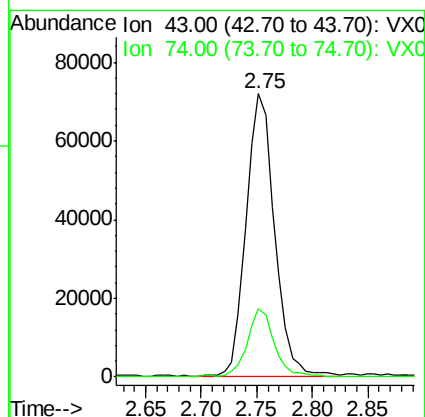
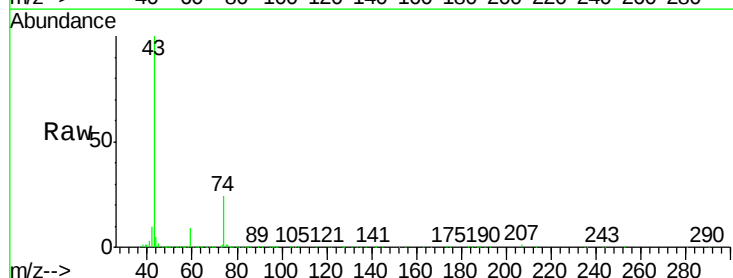
Acq: 18 Aug 2020 18:35

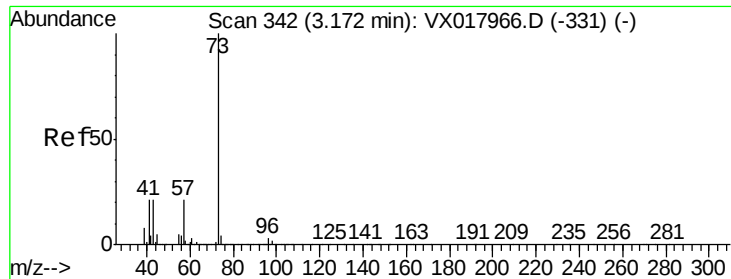
Tgt Ion: 43 Resp: 128026

Ion Ratio Lower Upper

43 100

74 23.4 19.7 29.5





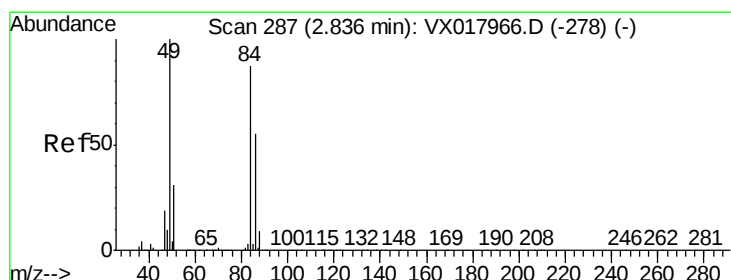
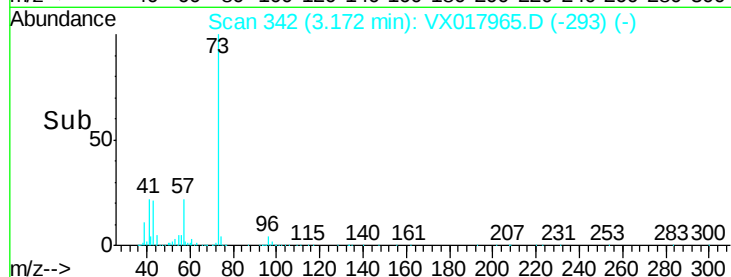
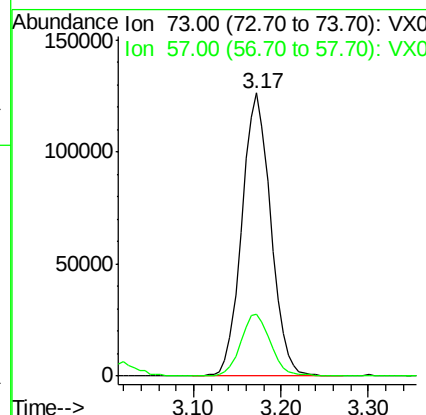
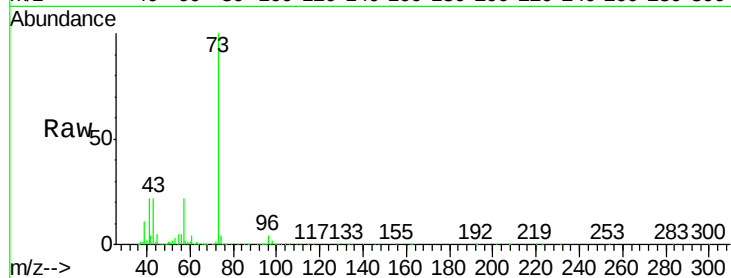
#19
Methyl tert-butyl Ether
Concen: 18.388 ug/l
RT: 3.17 min Scan# 342
Delta R.T. 0.00 min
Lab File: VX017965.D
Acq: 18 Aug 2020 18:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.1	16.9	25.3

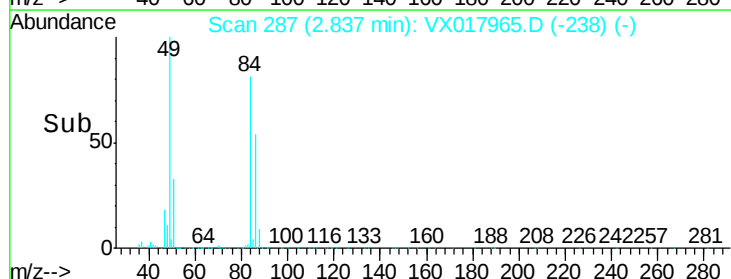
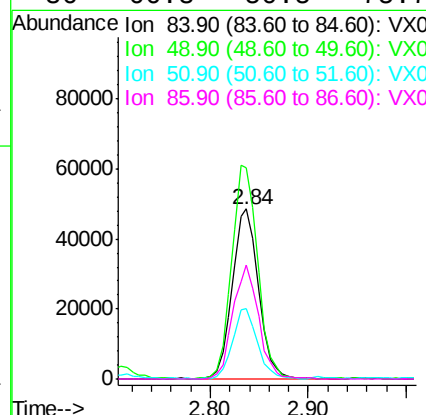
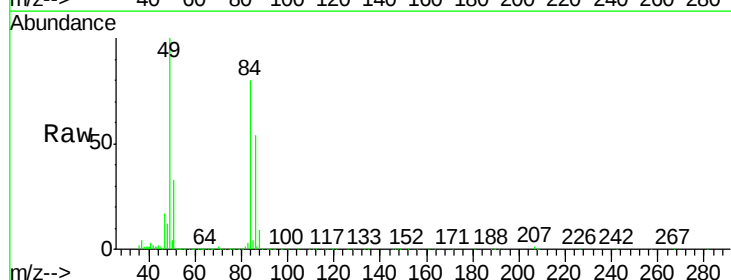
Manual Integrations
APPROVED

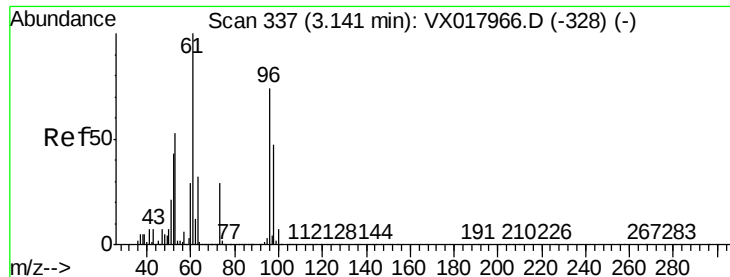
MMDadoda
8/19/2020 8:53:40 AM



#20
Methylene Chloride
Concen: 16.693 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX017965.D
Acq: 18 Aug 2020 18:35

Tgt Ion	Ratio	Lower	Upper
84	100		
49	124.0	91.8	137.6
51	41.3	27.8	41.8
86	66.8	50.5	75.7





#21

trans-1,2-Dichloroethene

Concen: 16.487 ug/l

RT: 3.14 min Scan# 337

Delta R.T. 0.00 min

Lab File: VX017965.D

Acq: 18 Aug 2020 18:35

Instrument :

MSVOA_X

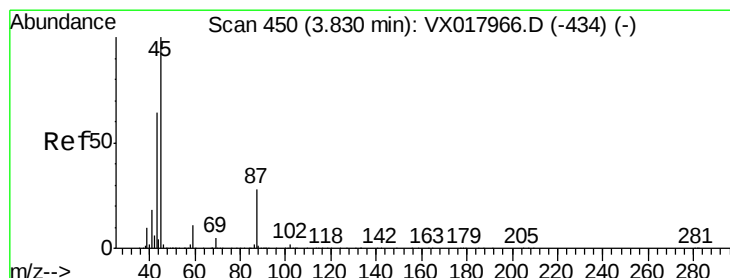
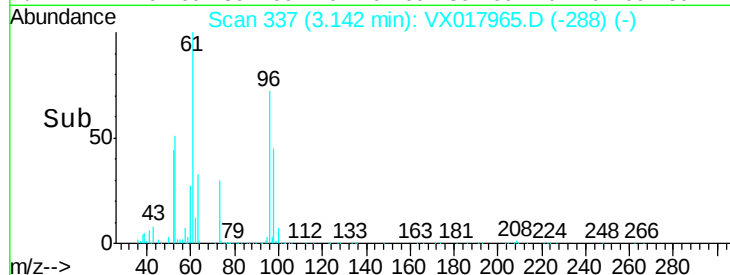
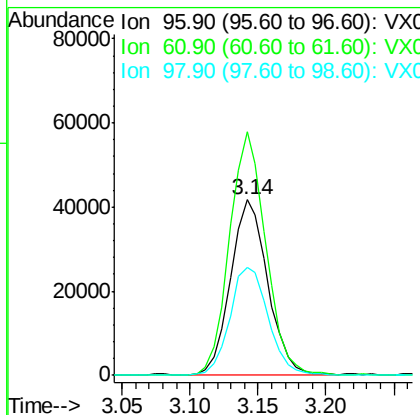
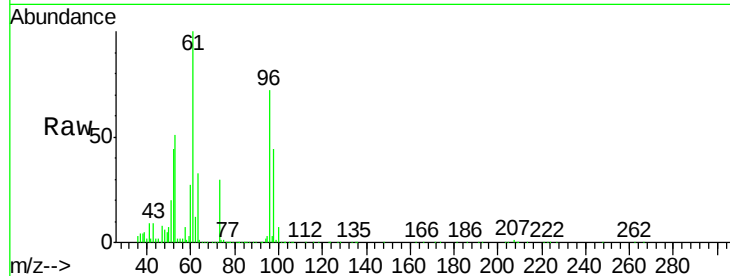
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	79022
Ion	Ratio	Lower	Upper
96	100		
61	138.6	108.6	163.0
98	61.5	51.4	77.0

Manual Integrations
APPROVED

MMDadoda
8/19/2020 8:53:40 AM



#22

Diisopropyl ether

Concen: 19.218 ug/l

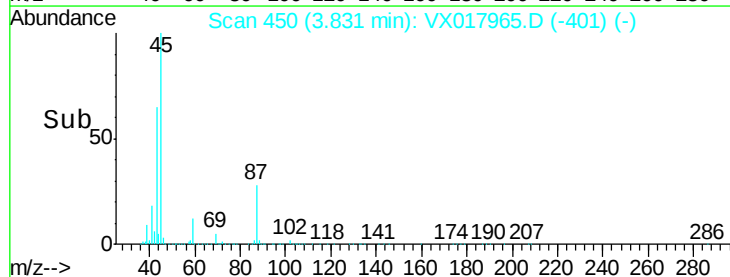
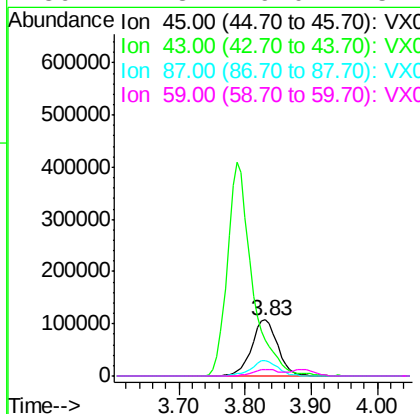
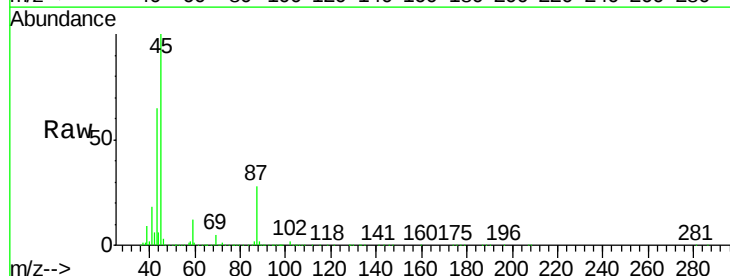
RT: 3.83 min Scan# 450

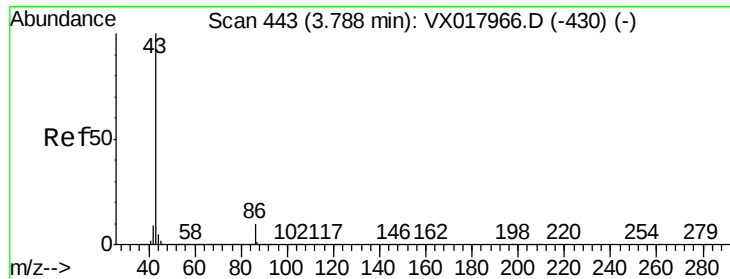
Delta R.T. 0.00 min

Lab File: VX017965.D

Acq: 18 Aug 2020 18:35

Tgt Ion:	45	Resp:	296198
Ion	Ratio	Lower	Upper
45	100		
43	64.9	51.5	77.3
87	27.5	22.6	33.8
59	12.3	9.0	13.4





#23

Vinyl Acetate

Concen: 79.938 ug/l

RT: 3.79 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX017965.D

Acq: 18 Aug 2020 18:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 1060591

Ion Ratio Lower Upper

43 100

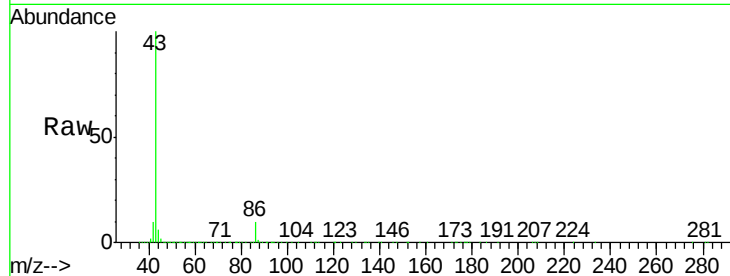
86 10.2 8.1 12.1

Manual Integrations

APPROVED

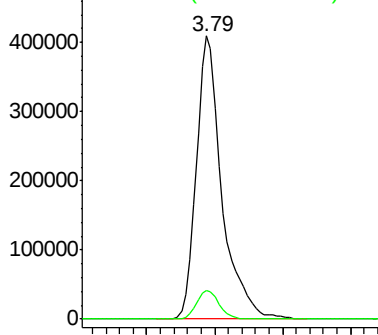
MMDadoda

8/19/2020 8:53:40 AM

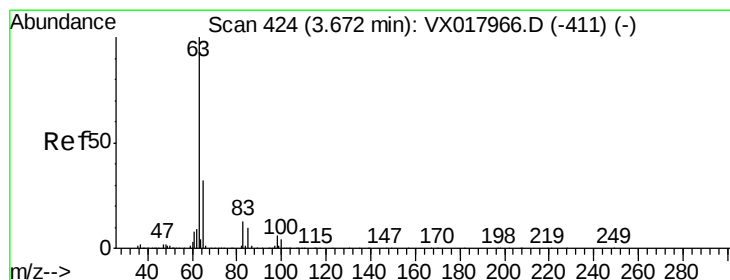
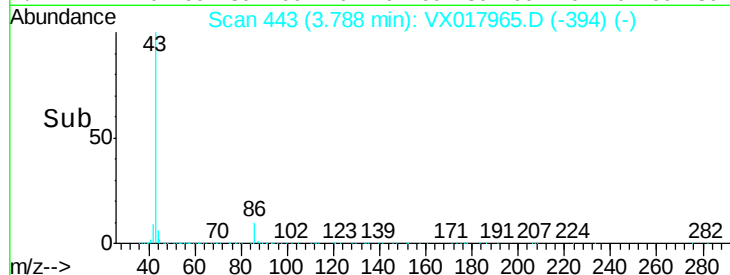


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



Time-->



#24

1,1-Dichloroethane

Concen: 17.973 ug/l

RT: 3.67 min Scan# 424

Delta R.T. 0.00 min

Lab File: VX017965.D

Acq: 18 Aug 2020 18:35

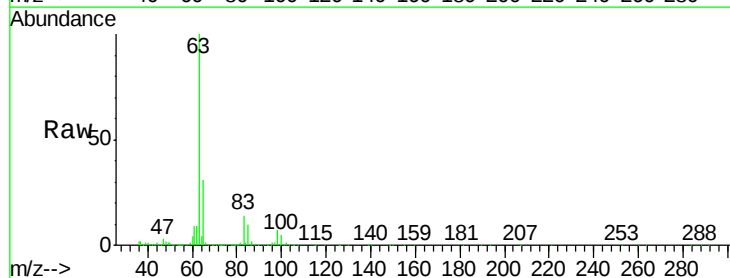
Tgt Ion: 63 Resp: 158597

Ion Ratio Lower Upper

63 100

98 6.9 3.0 9.0

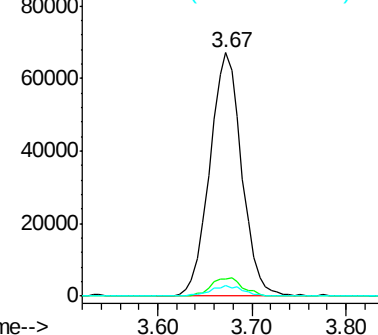
100 4.6 2.0 5.8



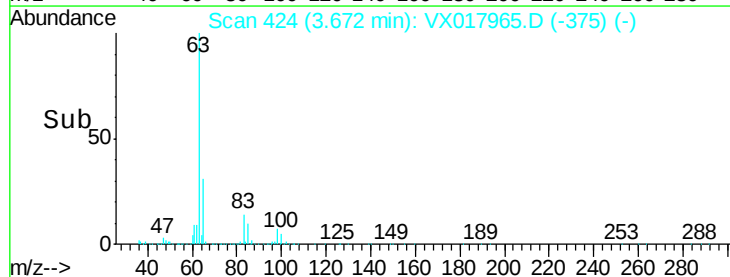
Abundance Ion 62.90 (62.60 to 63.60): VX0

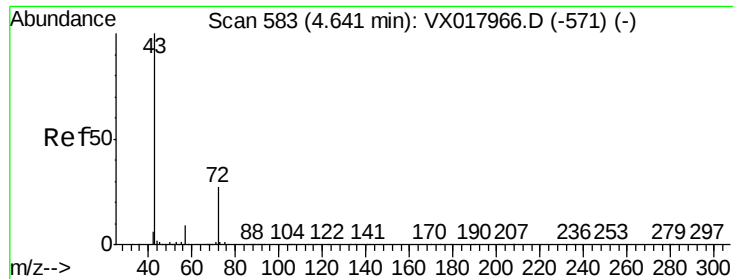
Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



Time-->





#25

2-Butanone

Concen: 101.551 ug/l

RT: 4.64 min Scan# 583

Delta R.T. 0.00 min

Lab File: VX017965.D

Acq: 18 Aug 2020 18:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 367733

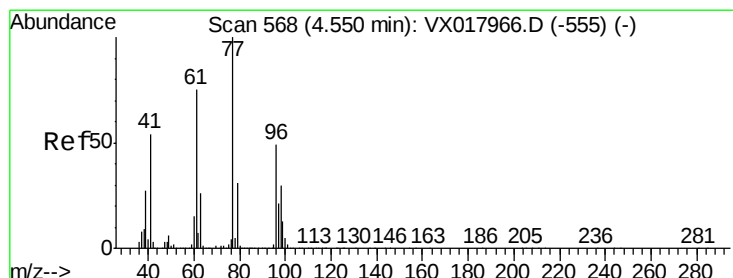
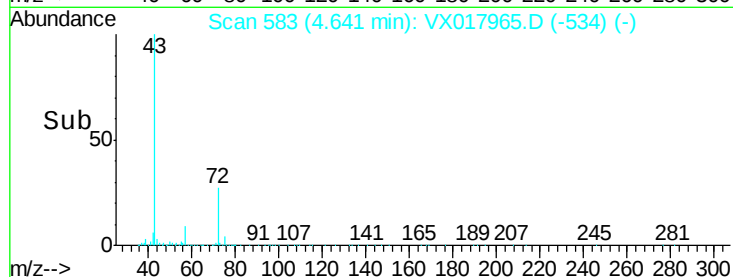
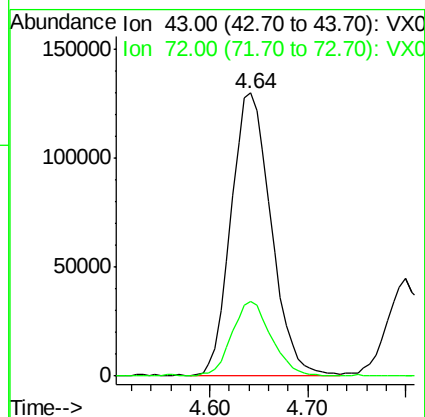
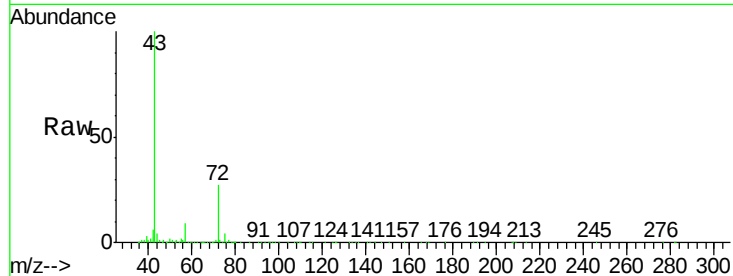
Ion Ratio Lower Upper

43 100

72 26.3 21.4 32.2

Manual Integrations
APPROVED

MMDadoda
8/19/2020 8:53:40 AM



#26

2,2-Dichloropropane

Concen: 18.024 ug/l

RT: 4.56 min Scan# 569

Delta R.T. 0.01 min

Lab File: VX017965.D

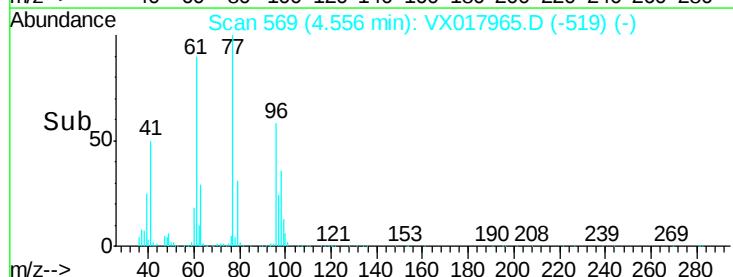
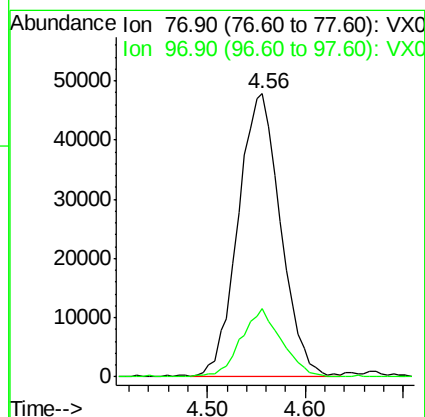
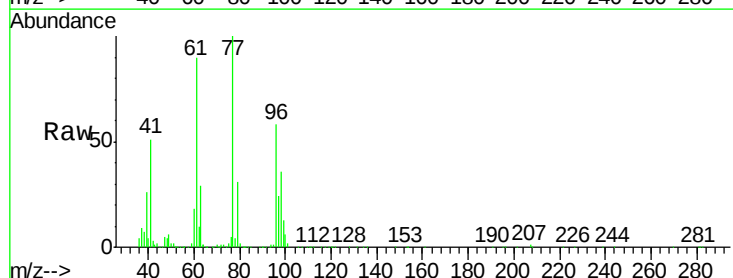
Acq: 18 Aug 2020 18:35

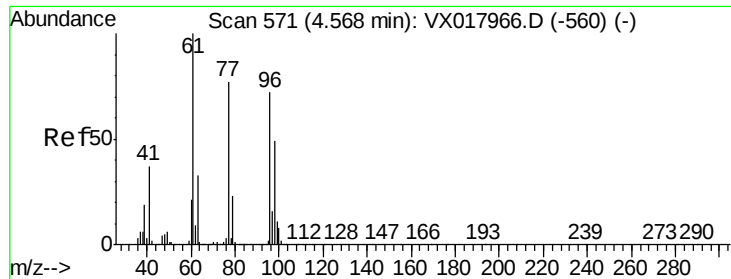
Tgt Ion: 77 Resp: 143089

Ion Ratio Lower Upper

77 100

97 23.5 10.9 32.9





#27

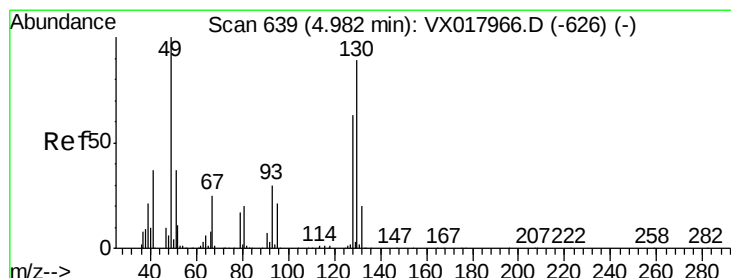
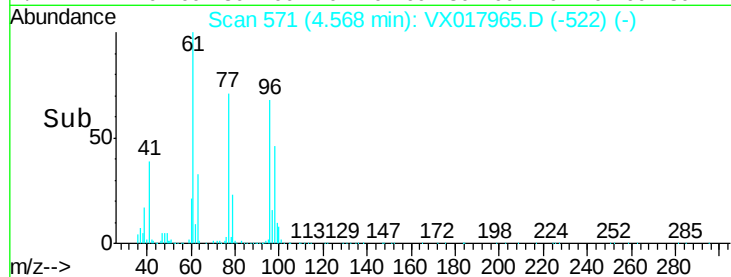
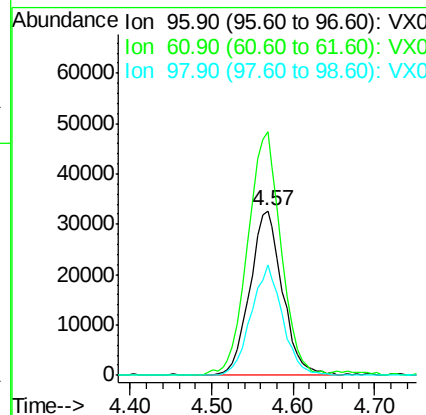
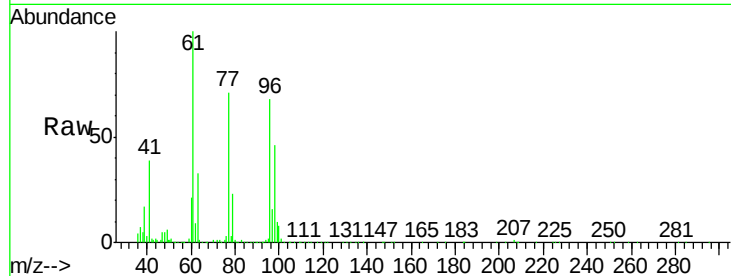
cis-1,2-Dichloroethene
Concen: 16.988 ug/l
RT: 4.57 min Scan# 571
Delta R.T. 0.00 min
Lab File: VX017965.D
Acq: 18 Aug 2020 18:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	151.5	0.0	298.8	
98	65.2	0.0	130.2	

Manual Integrations
APPROVED

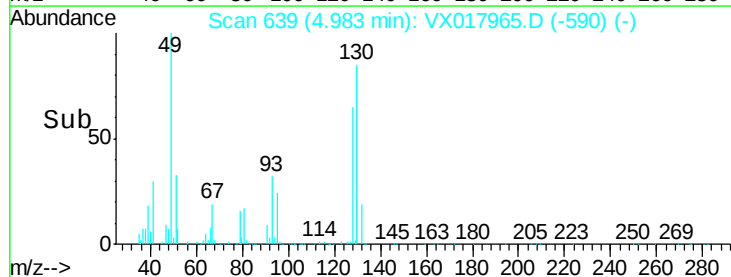
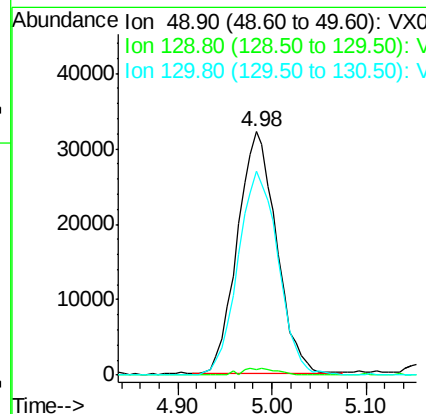
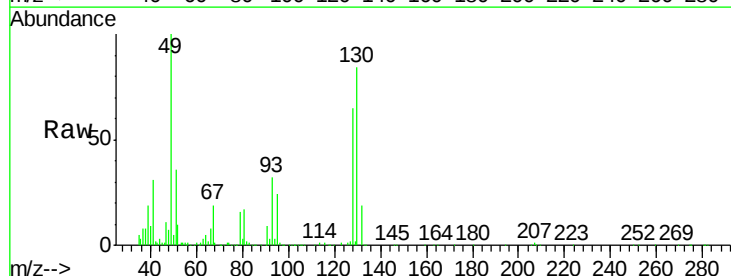
MMDadoda
8/19/2020 8:53:40 AM

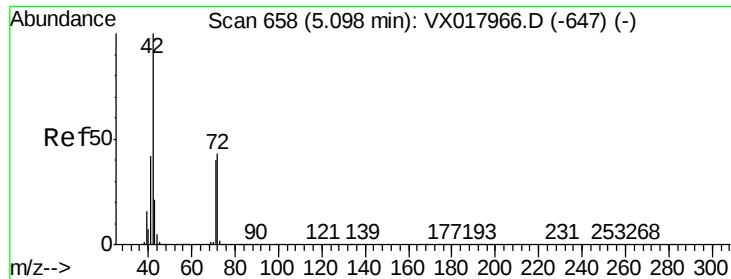


#28

Bromochloromethane
Concen: 22.881 ug/l
RT: 4.98 min Scan# 639
Delta R.T. 0.00 min
Lab File: VX017965.D
Acq: 18 Aug 2020 18:35

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.5	0.0	3.6	
130	87.2	68.5	102.7	





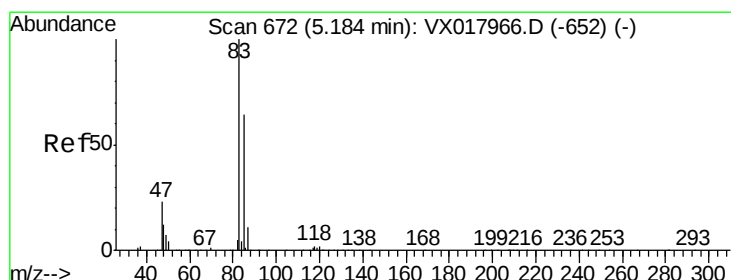
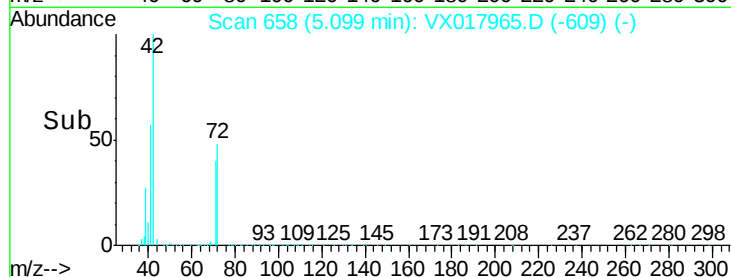
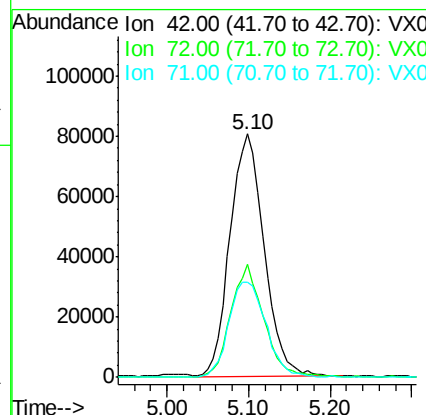
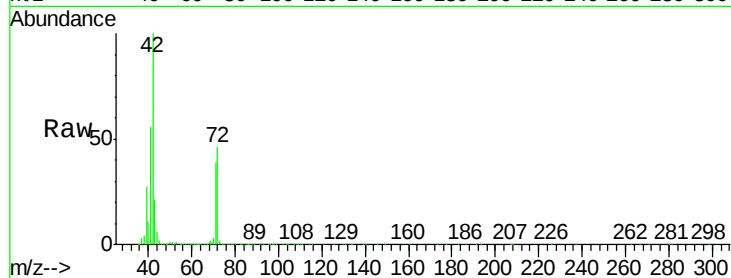
#29
Tetrahydrofuran
Concen: 103.848 ug/l
RT: 5.10 min Scan# 658
Delta R.T. 0.00 min
Lab File: VX017965.D
Acq: 18 Aug 2020 18:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
42	100		233970		
72	45.4	35.9	53.9		
71	42.8	33.0	49.4		

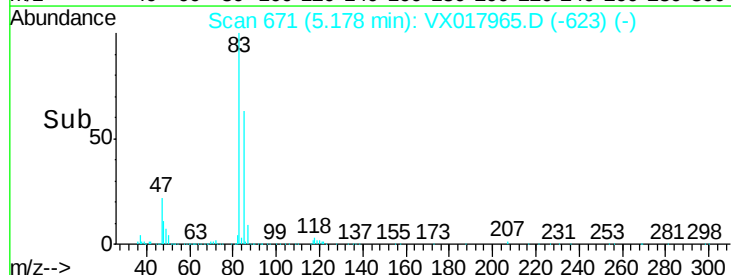
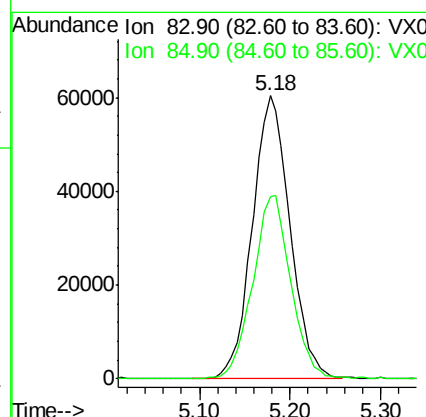
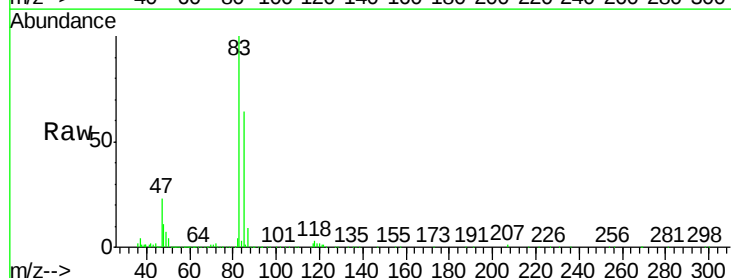
Manual Integrations
APPROVED

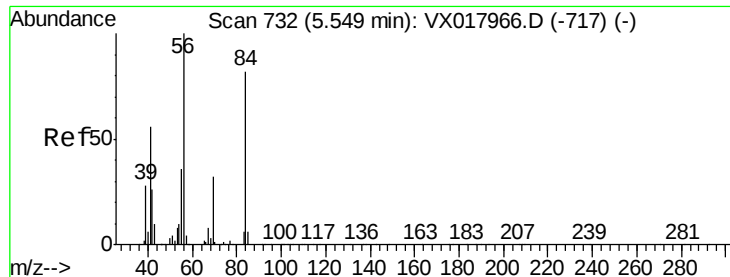
MMDadoda
8/19/2020 8:53:40 AM



#30
Chloroform
Concen: 19.081 ug/l
RT: 5.18 min Scan# 671
Delta R.T. -0.01 min
Lab File: VX017965.D
Acq: 18 Aug 2020 18:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		173491		
85	64.1	51.3	76.9		





#31

Cyclohexane

Concen: 17.830 ug/l

RT: 5.55 min Scan# 732

Delta R.T. 0.00 min

Lab File: VX017965.D

Acq: 18 Aug 2020 18:35

Instrument :

MSVOA_X

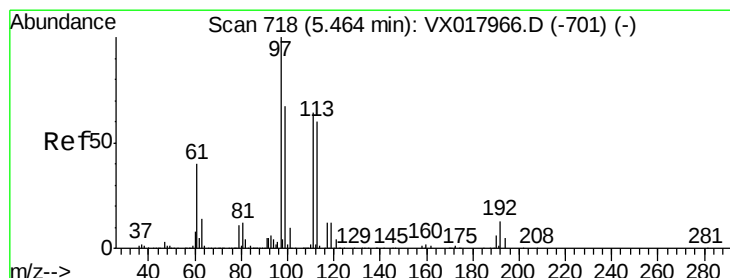
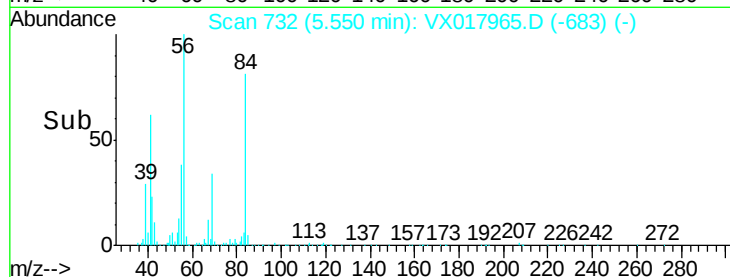
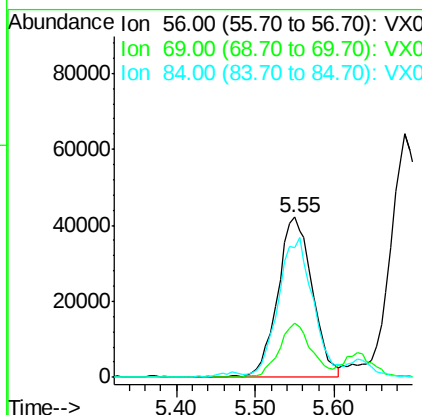
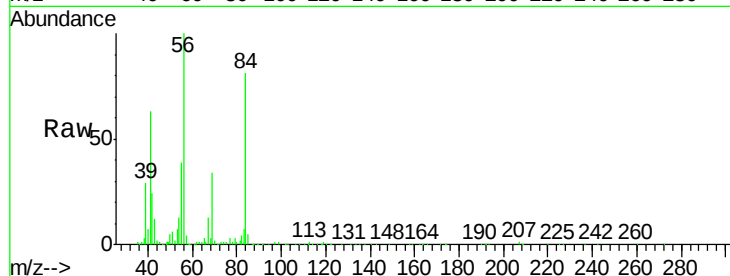
ClientSampleId :

VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	33.1	25.3	37.9	
84	80.9	65.3	97.9	

Manual Integrations
APPROVED

MMDadoda
8/19/2020 8:53:40 AM



#32

1,1,1-Trichloroethane

Concen: 18.492 ug/l

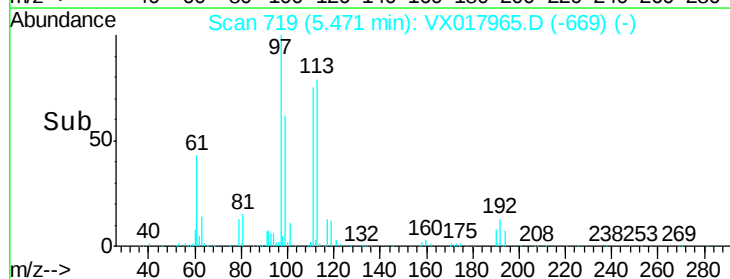
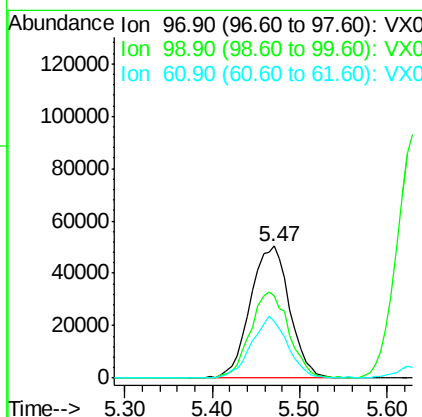
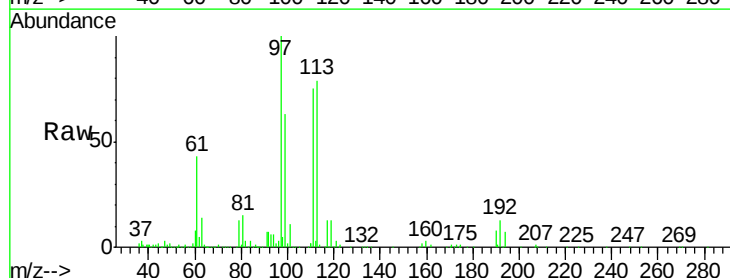
RT: 5.47 min Scan# 719

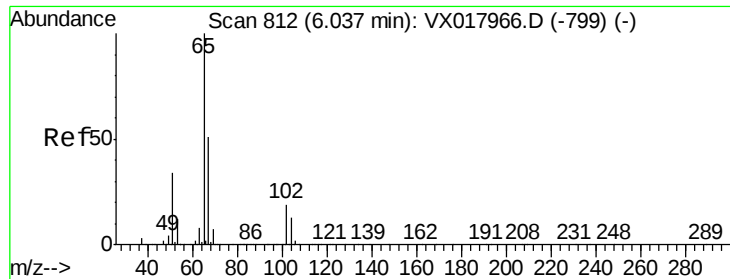
Delta R.T. 0.01 min

Lab File: VX017965.D

Acq: 18 Aug 2020 18:35

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	64.2	51.4	77.0	
61	43.1	33.7	50.5	





#33

1,2-Dichloroethane-d4

Concen: 24.221 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.00 min

Lab File: VX017965.D

Acq: 18 Aug 2020 18:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 65 Resp: 139840

Ion Ratio Lower Upper

65 100

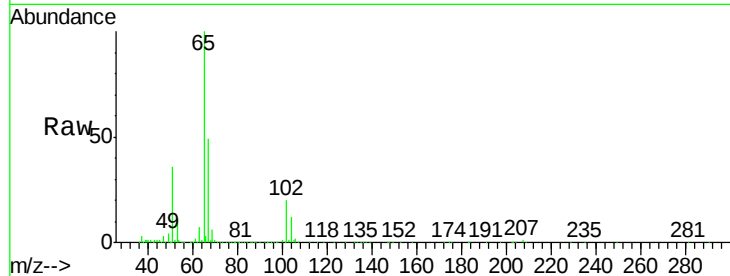
67 50.9 0.0 103.0

Manual Integrations

APPROVED

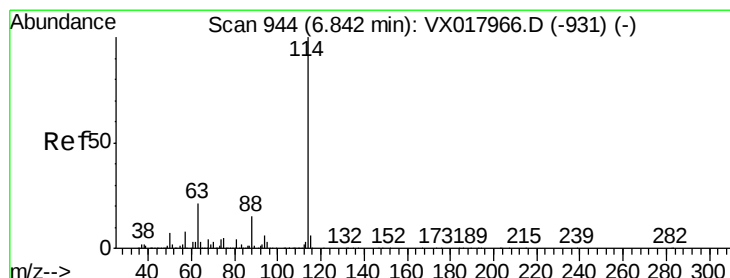
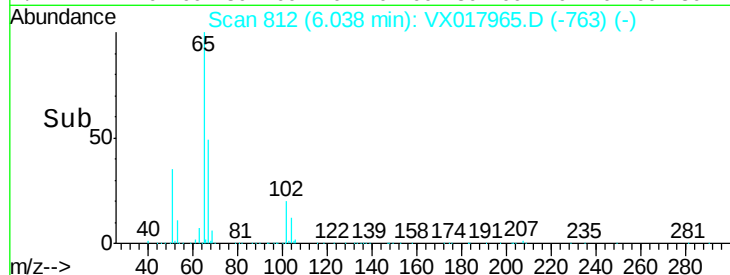
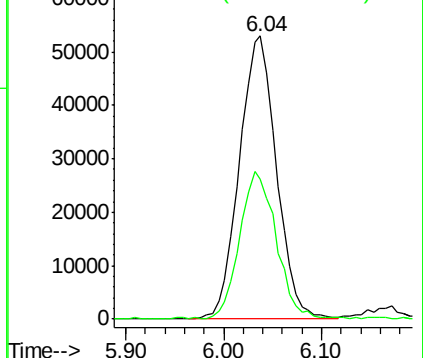
MMDadoda

8/19/2020 8:53:40 AM



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. -0.01 min

Lab File: VX017965.D

Acq: 18 Aug 2020 18:35

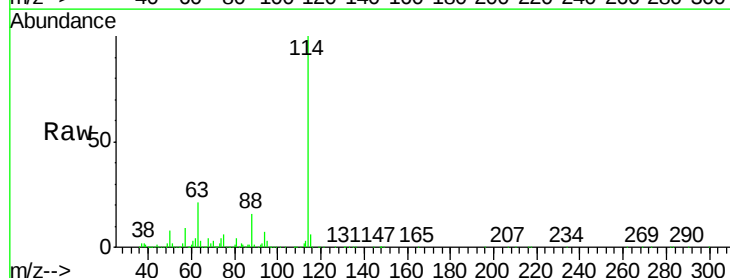
Tgt Ion: 114 Resp: 680643

Ion Ratio Lower Upper

114 100

63 21.0 0.0 42.6

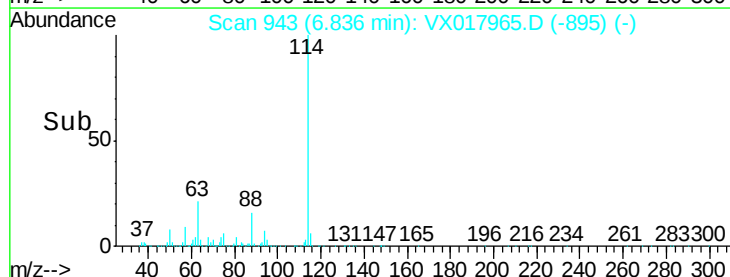
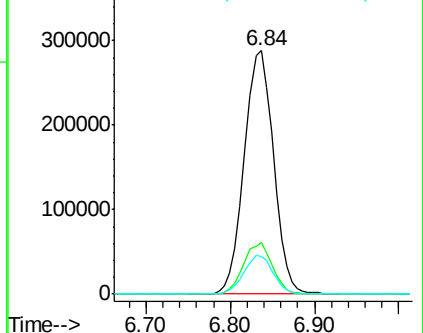
88 15.6 0.0 30.2

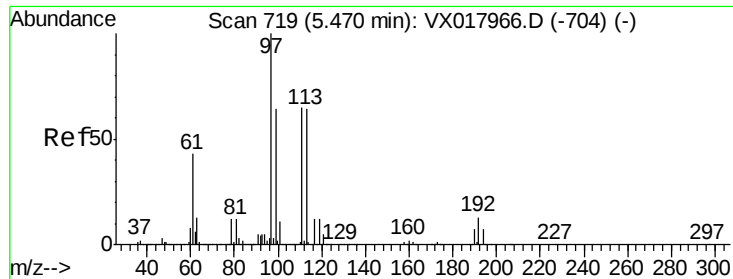


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 23.963 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX017965.D

Acq: 18 Aug 2020 18:35

Instrument :

MSVOA_X

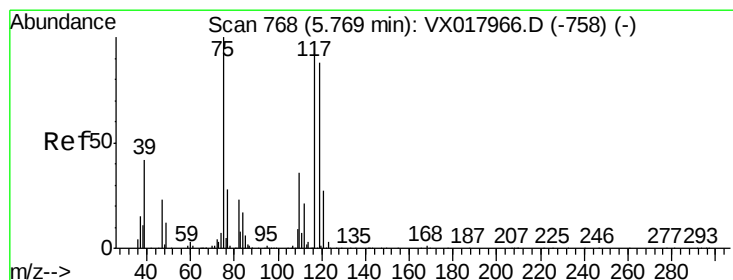
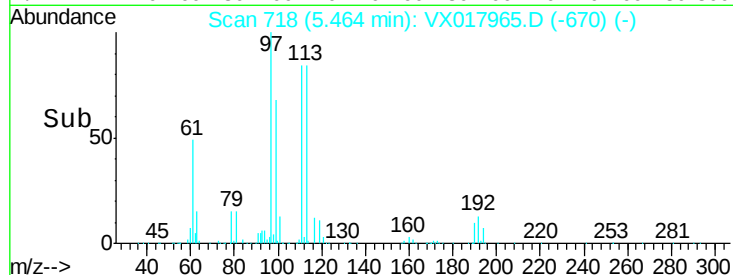
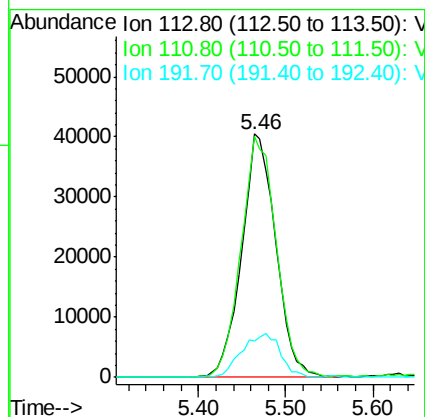
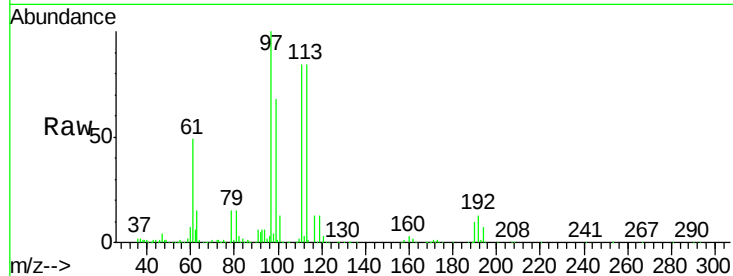
ClientSampleId :

VSTDIC020

Tot Ion:	113	Resp:	109672
Ion Ratio	Lower	Upper	
113	100		
111	102.7	83.5	125.3
192	20.5	16.2	24.4

Manual Integrations
APPROVED

MMDadoda
8/19/2020 8:53:40 AM



#36

1,1-Dichloropropene

Concen: 16.529 ug/l

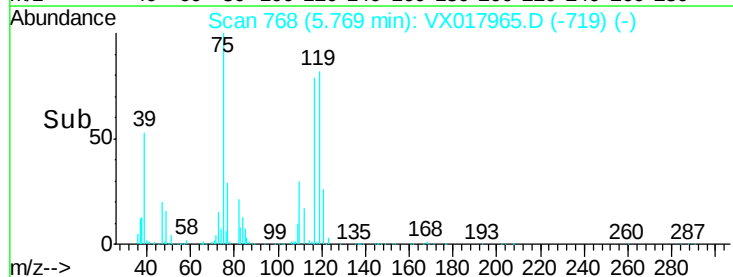
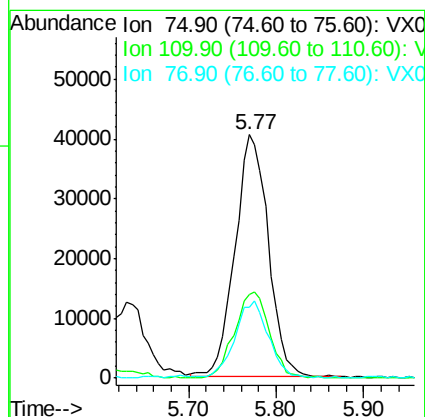
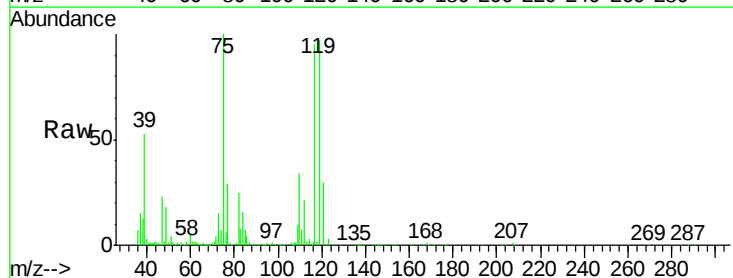
RT: 5.77 min Scan# 768

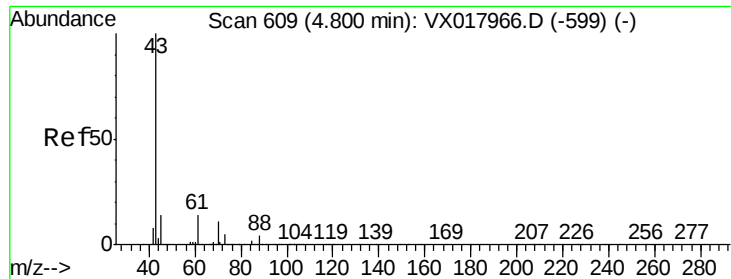
Delta R.T. 0.00 min

Lab File: VX017965.D

Acq: 18 Aug 2020 18:35

Tgt Ion:	75	Resp:	107168
Ion Ratio	Lower	Upper	
75	100		
110	36.9	18.7	56.1
77	32.1	24.4	36.6





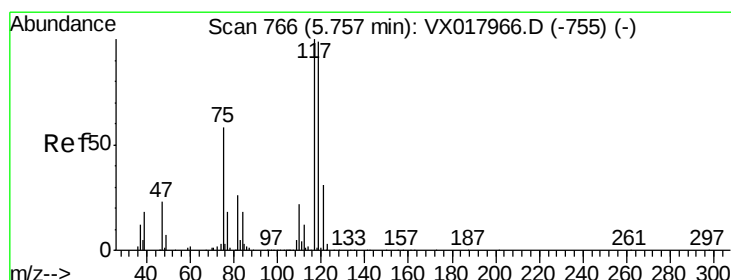
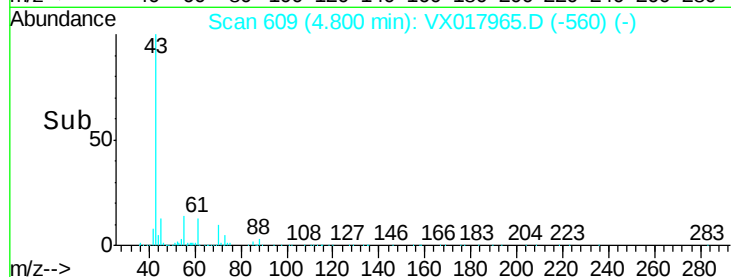
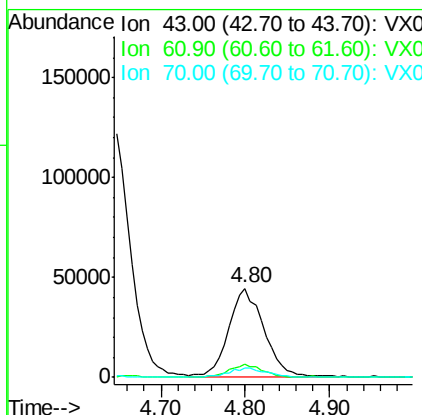
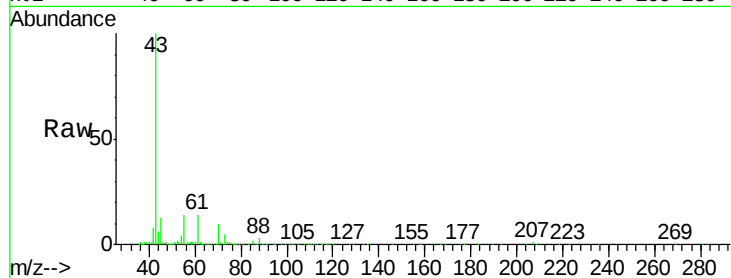
#37
Ethyl Acetate
Concen: 17.988 ug/l
RT: 4.80 min Scan# 609
Delta R.T. 0.00 min
Lab File: VX017965.D
Acq: 18 Aug 2020 18:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	11.3	16.9
70	11.4	8.5	12.7

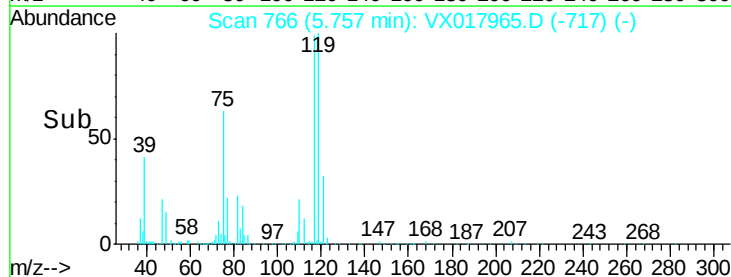
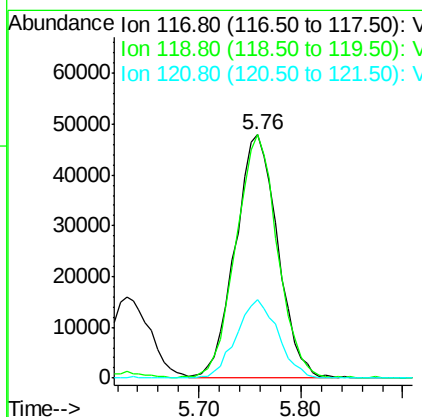
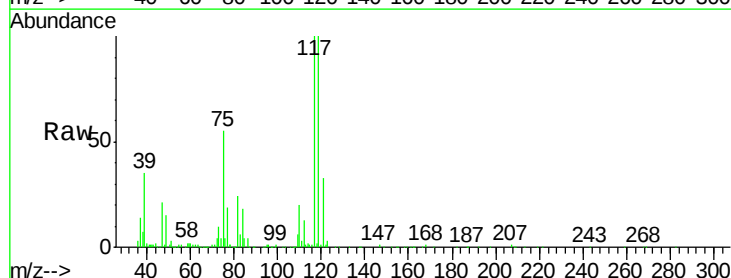
Manual Integrations
APPROVED

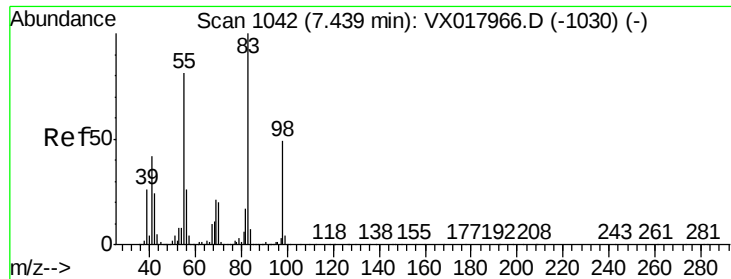
MMDadoda
8/19/2020 8:53:40 AM



#38
Carbon Tetrachloride
Concen: 17.362 ug/l
RT: 5.76 min Scan# 766
Delta R.T. 0.00 min
Lab File: VX017965.D
Acq: 18 Aug 2020 18:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.6	79.0	118.6
121	32.6	24.7	37.1





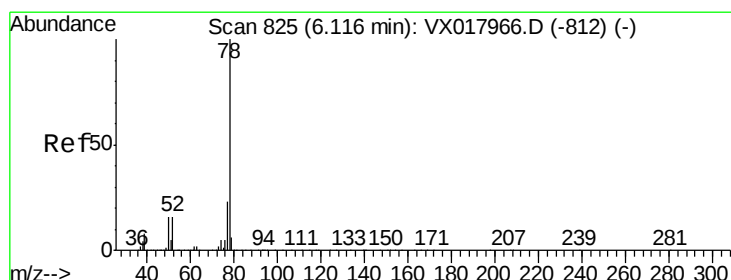
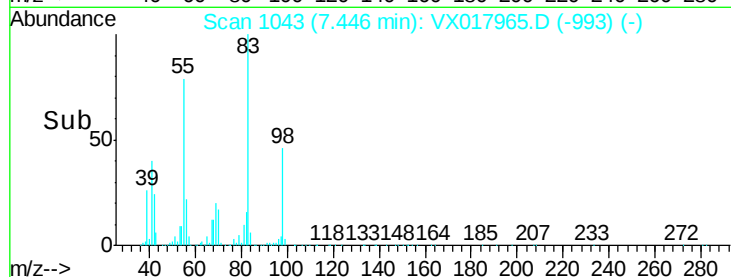
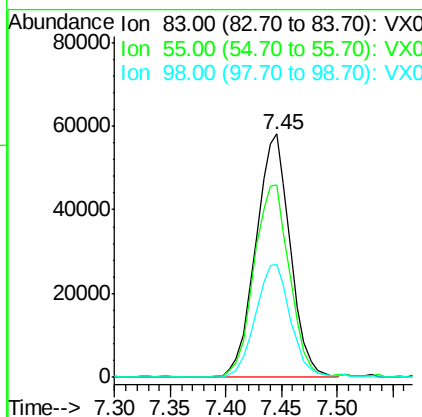
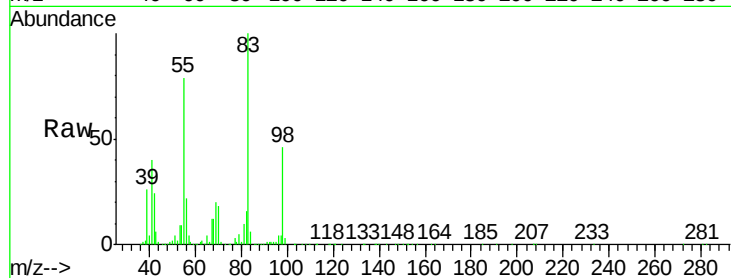
#39
Methvlcvclohexane
Concen: 16.326 ug/l
RT: 7.45 min Scan# 1043
Delta R.T. 0.01 min
Lab File: VX017965.D
Acq: 18 Aug 2020 18:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion:	83	Resp:	124917
Ion Ratio	Lower	Upper	
83	100		
55	79.0	64.5	96.7
98	46.1	39.0	58.6

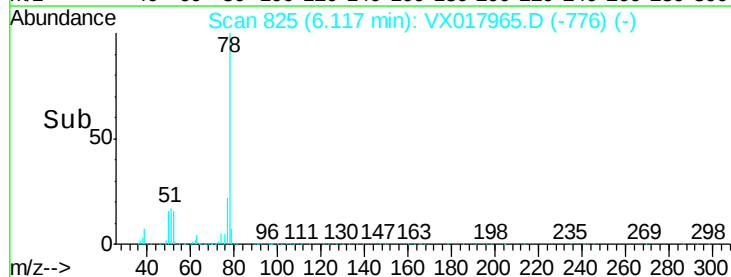
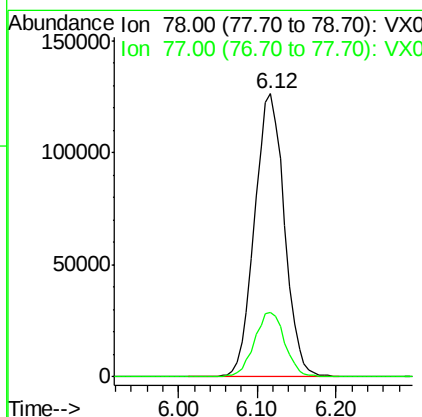
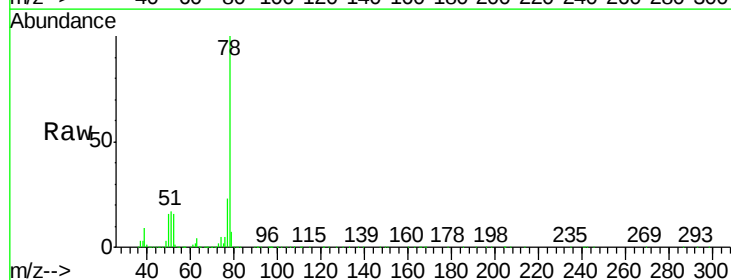
Manual Integrations
APPROVED

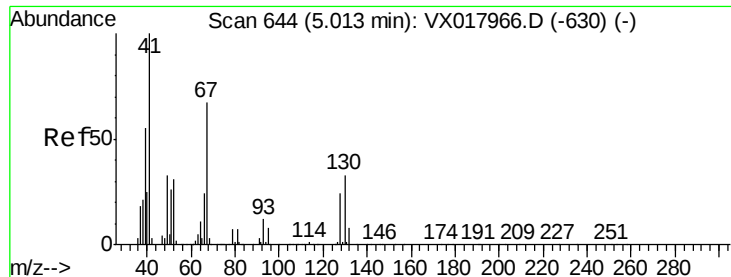
MMDadoda
8/19/2020 8:53:40 AM



#40
Benzene
Concen: 17.925 ug/l
RT: 6.12 min Scan# 825
Delta R.T. 0.00 min
Lab File: VX017965.D
Acq: 18 Aug 2020 18:35

Tgt Ion:	78	Resp:	332283
Ion Ratio	Lower	Upper	
78	100		
77	22.7	18.8	28.2





#41

Methacrylonitrile

Concen: 18.051 ug/l

RT: 5.01 min Scan# 643

Delta R.T. -0.01 min

Lab File: VX017965.D

Acq: 18 Aug 2020 18:35

Instrument :

MSVOA_X

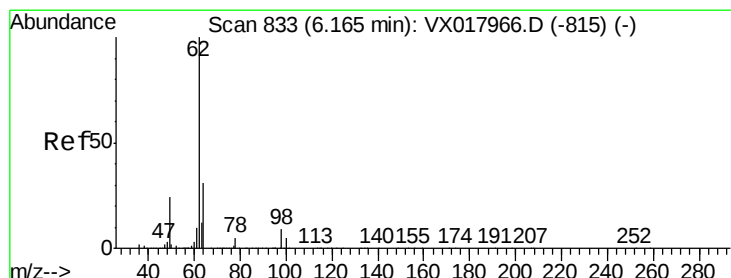
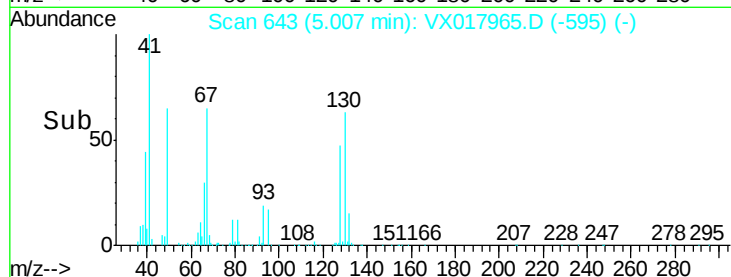
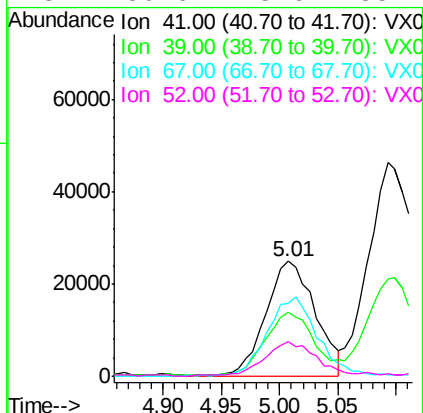
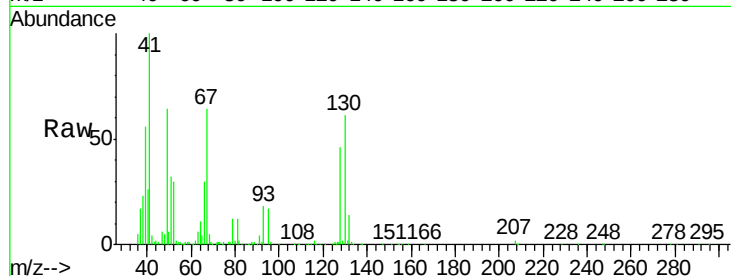
ClientSampleId :

VSTDIC020

Tot Ion	Ratio	Lower	Upper
41	100		
39	55.6	44.8	67.2
67	68.9	57.5	86.3
52	30.6	25.6	38.4

Manual Integrations
APPROVED

MMDadoda
8/19/2020 8:53:40 AM



#42

1,2-Dichloroethane

Concen: 18.757 ug/l

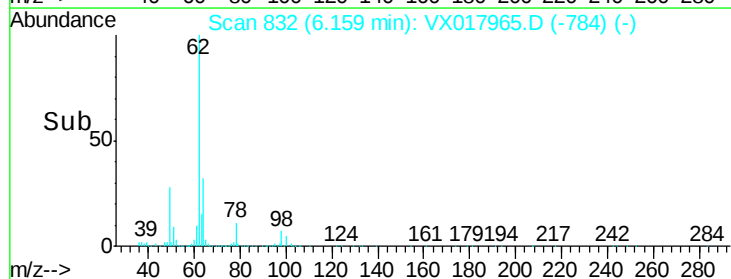
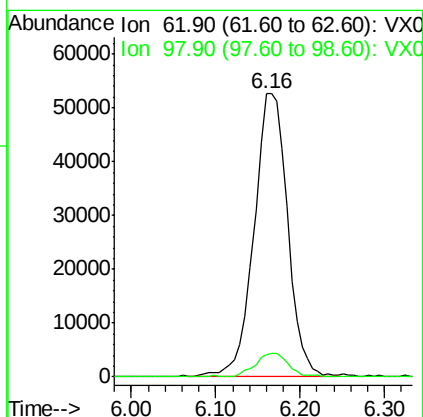
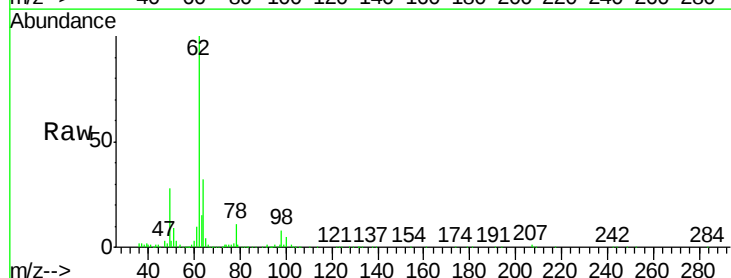
RT: 6.16 min Scan# 832

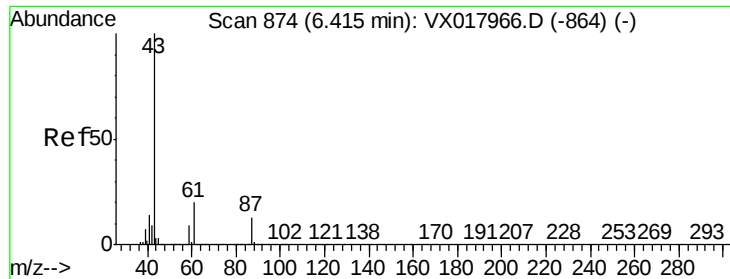
Delta R.T. -0.01 min

Lab File: VX017965.D

Acq: 18 Aug 2020 18:35

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	17.2





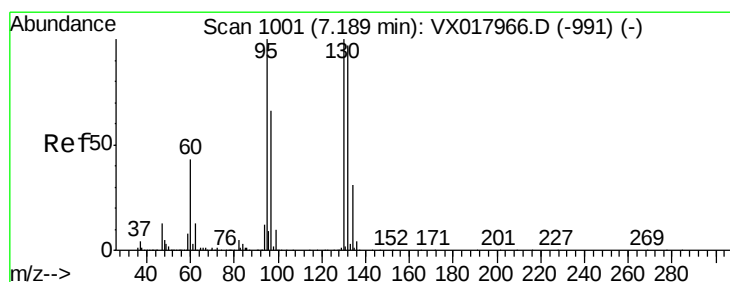
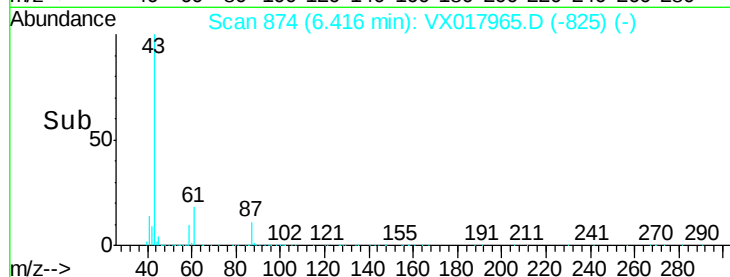
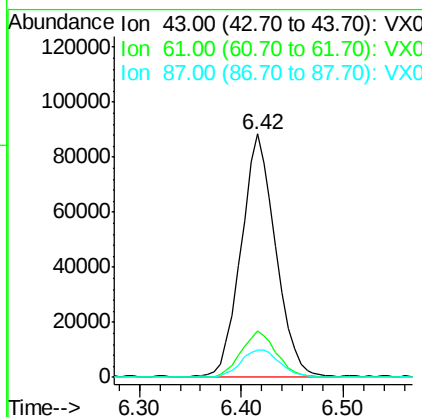
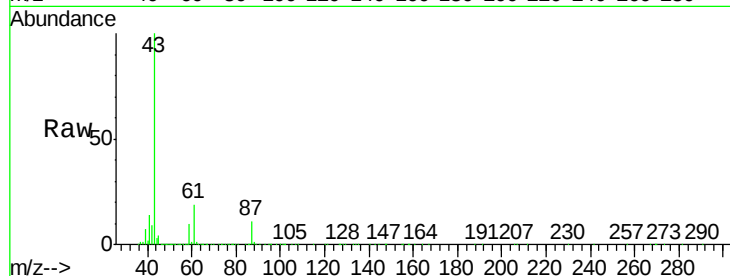
#43
Isopropyl Acetate
Concen: 18.115 ug/l
RT: 6.42 min Scan# 874
Delta R.T. 0.00 min
Lab File: VX017965.D
Acq: 18 Aug 2020 18:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.6	16.2	24.4
87	13.0	10.8	16.2

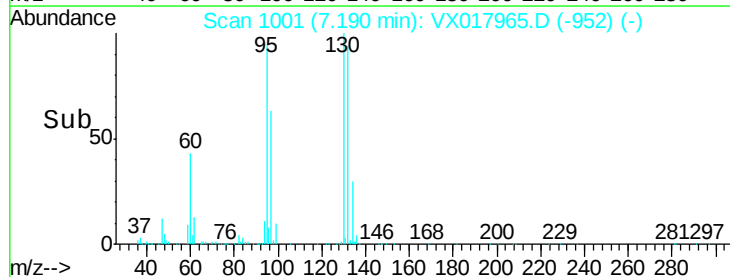
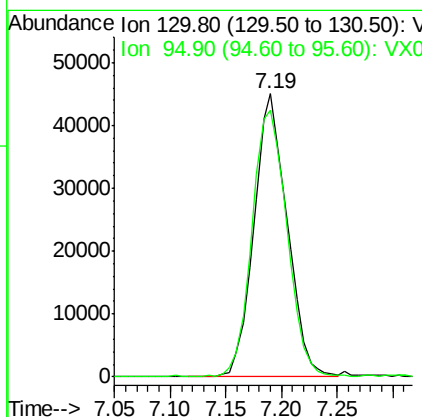
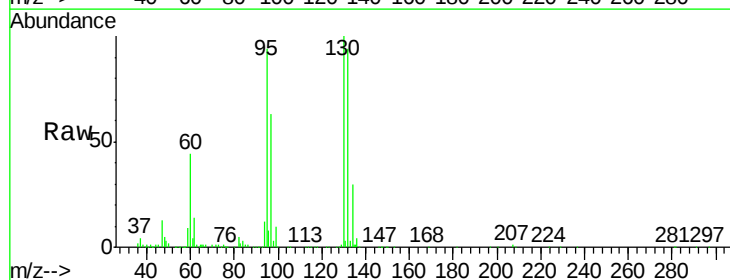
Manual Integrations
APPROVED

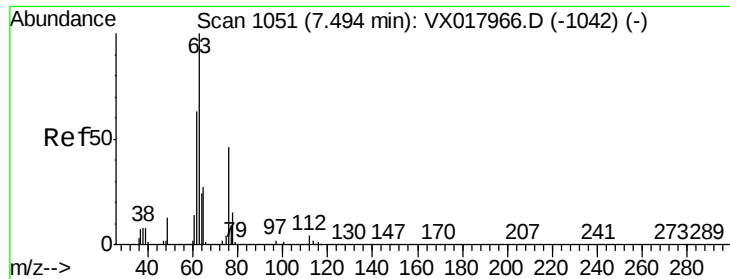
MMDadoda
8/19/2020 8:53:40 AM



#44
Trichloroethene
Concen: 17.151 ug/l
RT: 7.19 min Scan# 1001
Delta R.T. 0.00 min
Lab File: VX017965.D
Acq: 18 Aug 2020 18:35

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.0	0.0	200.6





#45

1,2-Dichloropropane

Concen: 18.365 ug/l

RT: 7.49 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VX017965.D

Acq: 18 Aug 2020 18:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 63 Resp: 95694

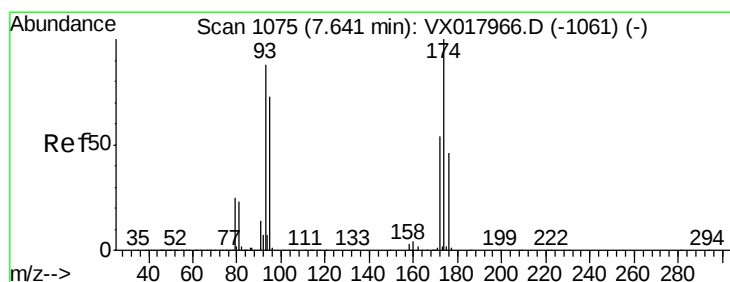
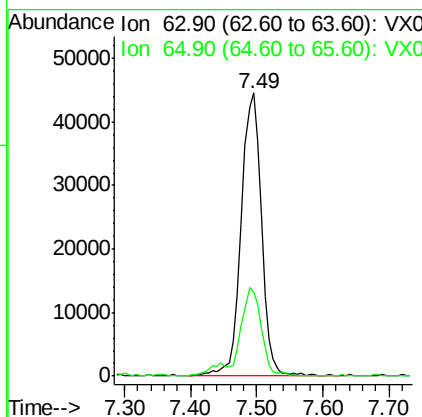
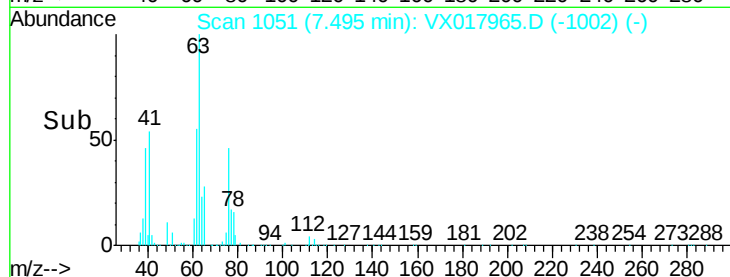
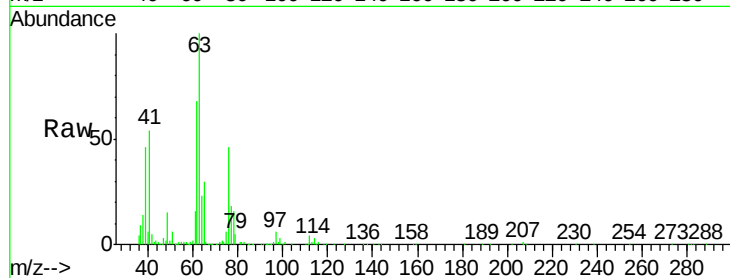
Ion Ratio Lower Upper

63 100

65 29.7 23.8 35.8

Manual Integrations
APPROVED

MMDadoda
8/19/2020 8:53:40 AM



#46

Dibromomethane

Concen: 17.989 ug/l

RT: 7.64 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VX017965.D

Acq: 18 Aug 2020 18:35

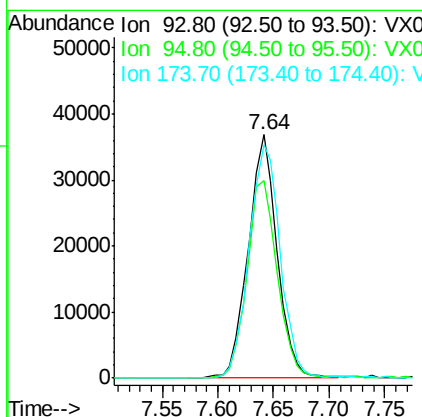
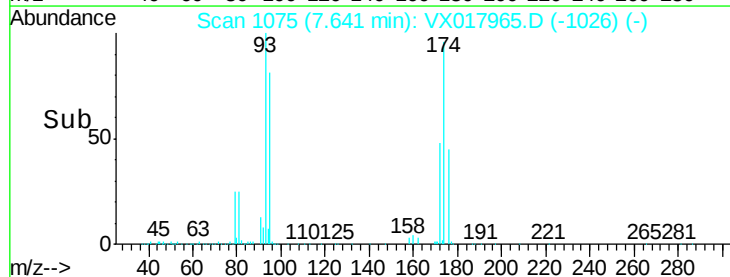
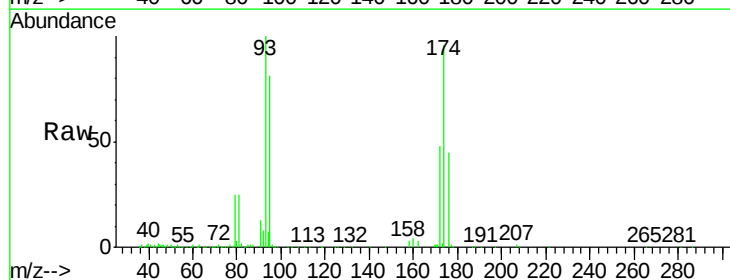
Tgt Ion: 93 Resp: 66105

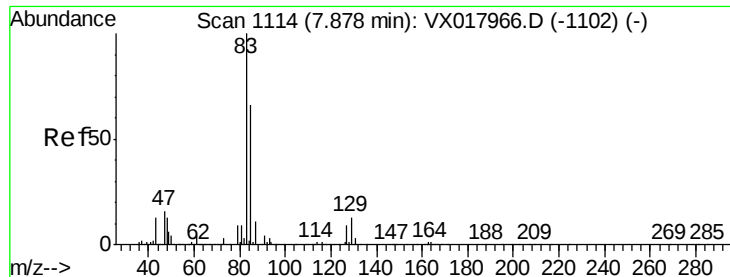
Ion Ratio Lower Upper

93 100

95 85.9 66.8 100.2

174 104.7 88.3 132.5





#47

Bromodichloromethane

Concen: 18.212 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VX017965.D

Acq: 18 Aug 2020 18:35

Instrument :

MSVOA_X

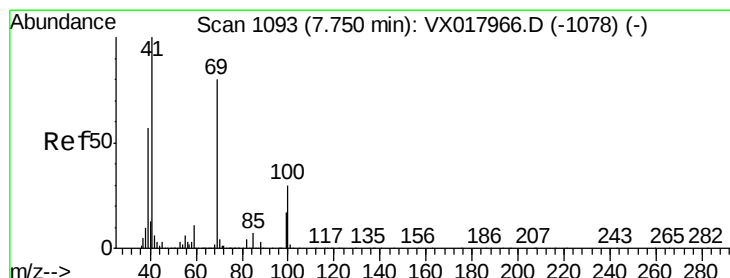
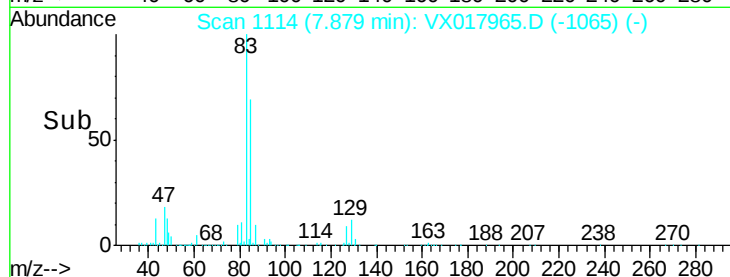
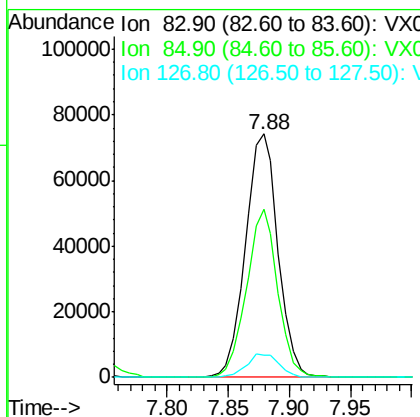
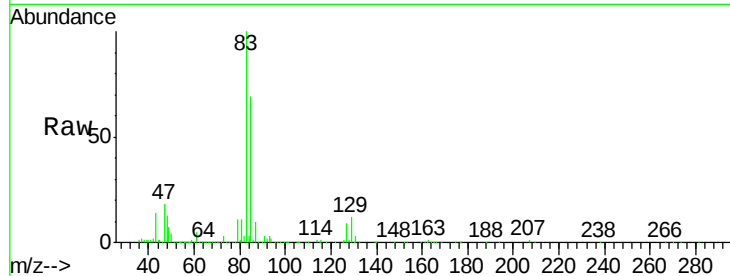
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	137271
Ion Ratio	Lower	Upper	
83	100		
85	68.8	52.4	78.6
127	9.0	7.0	10.6

Manual Integrations
APPROVED

MMDadoda
8/19/2020 8:53:40 AM



#48

Methyl methacrylate

Concen: 17.357 ug/l

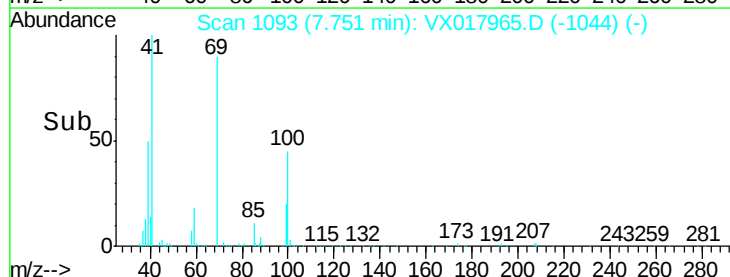
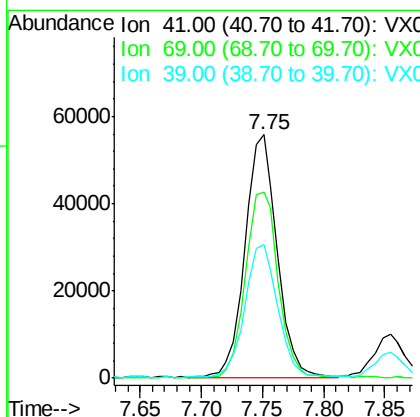
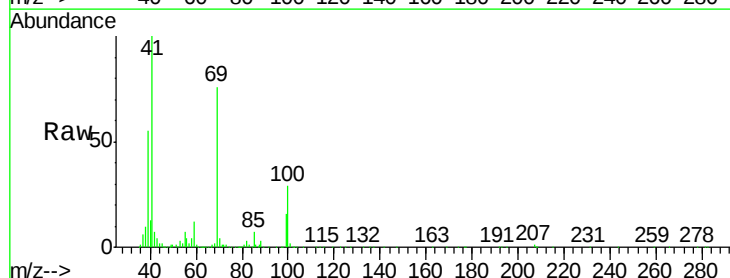
RT: 7.75 min Scan# 1093

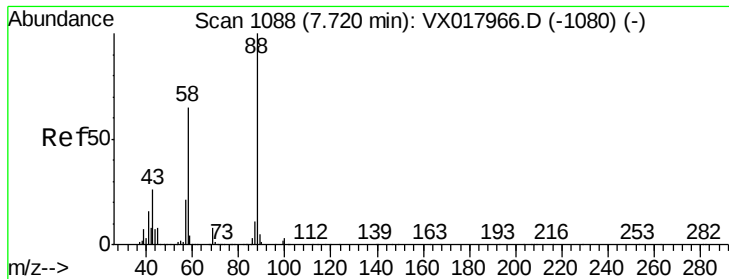
Delta R.T. 0.00 min

Lab File: VX017965.D

Acq: 18 Aug 2020 18:35

Tgt Ion:	41	Resp:	101912
Ion Ratio	Lower	Upper	
41	100		
69	77.9	64.3	96.5
39	56.1	45.3	67.9





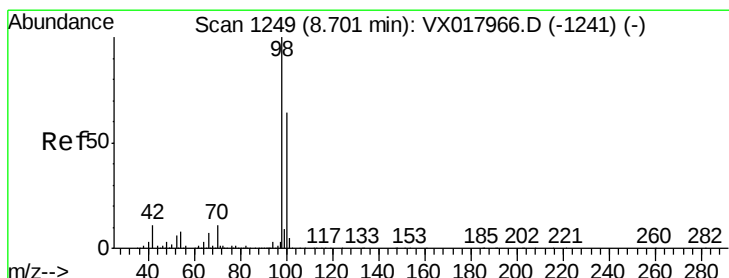
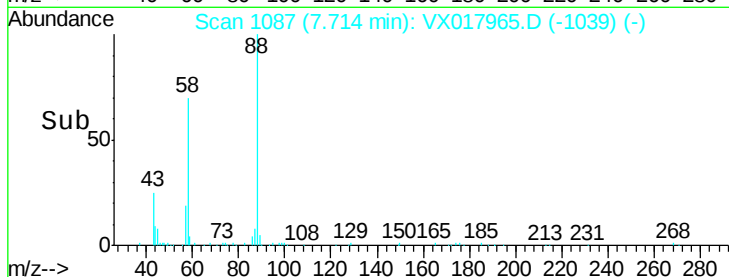
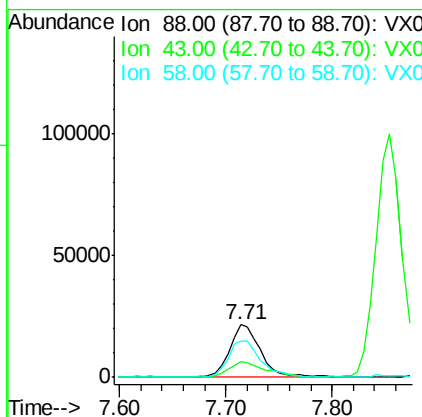
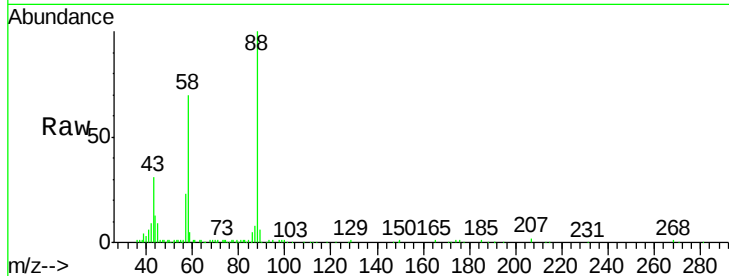
#49
1,4-Dioxane
Concen: 383.012 ug/l
RT: 7.71 min Scan# 1087
Delta R.T. -0.01 min
Lab File: VX017965.D
Acq: 18 Aug 2020 18:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.6	27.3	40.9
58	75.5	57.7	86.5

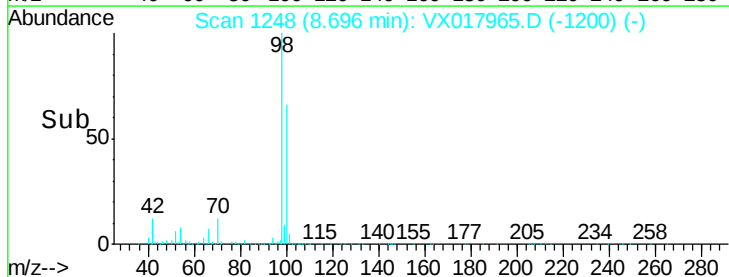
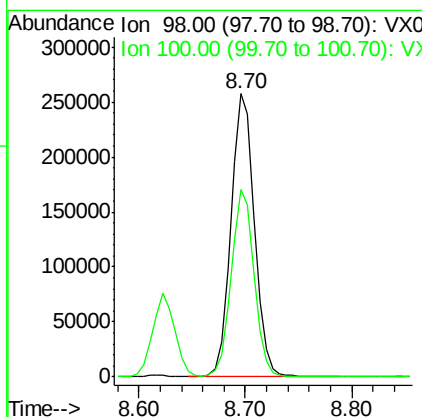
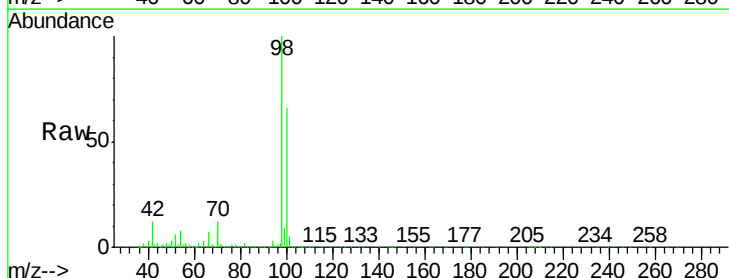
Manual Integrations
APPROVED

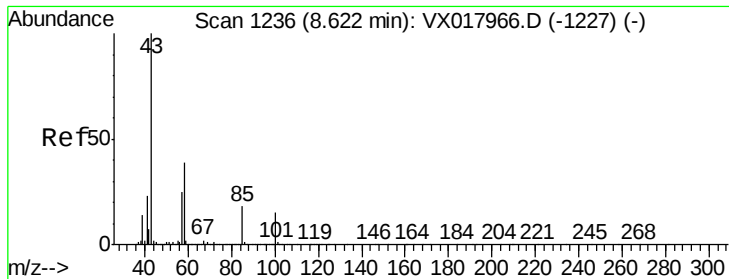
MMDadoda
8/19/2020 8:53:40 AM



#50
Toluene-d8
Concen: 24.083 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.01 min
Lab File: VX017965.D
Acq: 18 Aug 2020 18:35

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.4	77.2





#51

4-Methyl-2-Pentanone

Concen: 104.851 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VX017965.D

Acq: 18 Aug 2020 18:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 740274

Ion Ratio Lower Upper

43 100

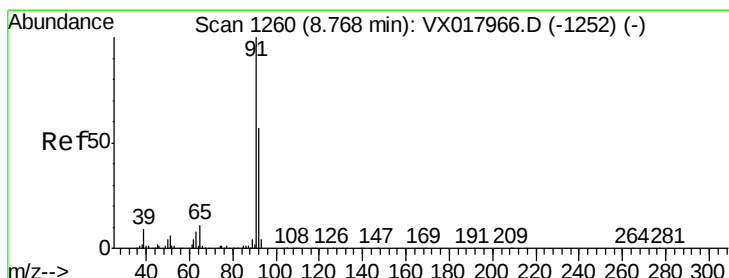
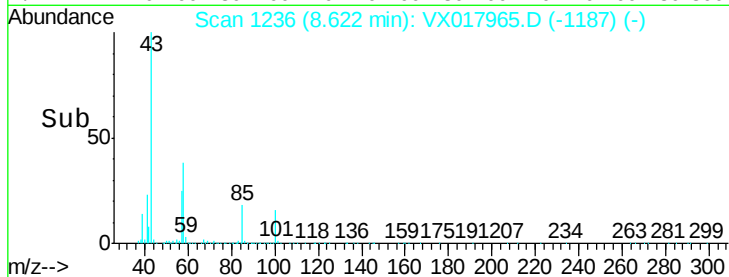
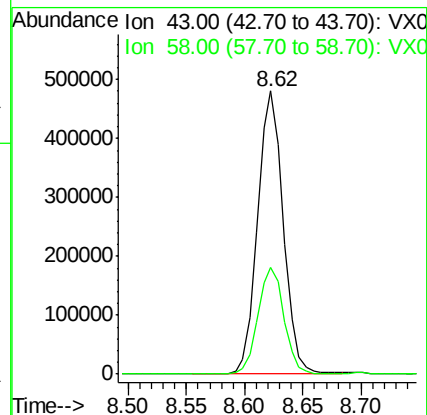
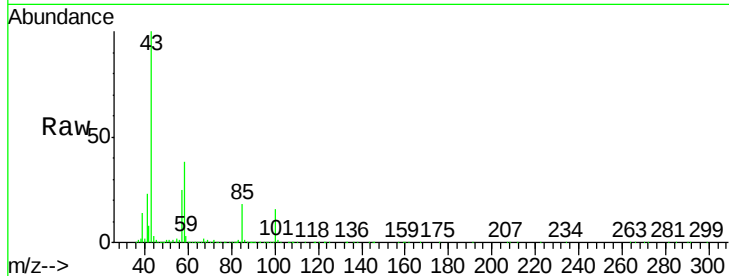
58 38.3 31.0 46.4

Manual Integrations

APPROVED

MMDadoda

8/19/2020 8:53:40 AM



#52

Toluene

Concen: 17.914 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VX017965.D

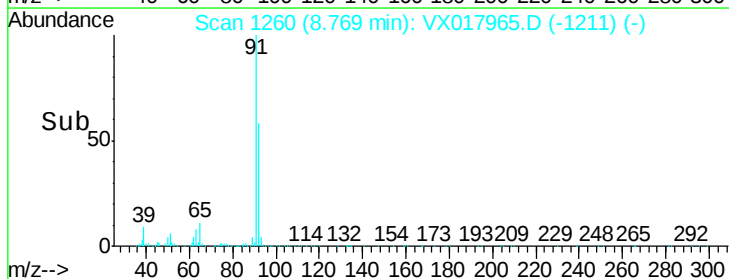
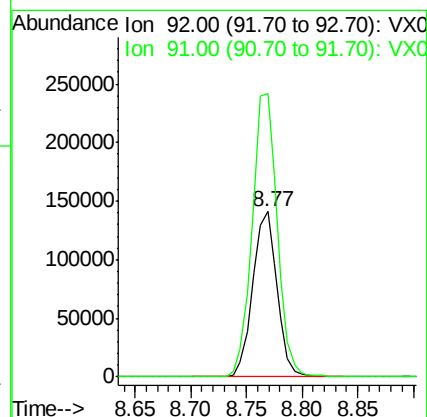
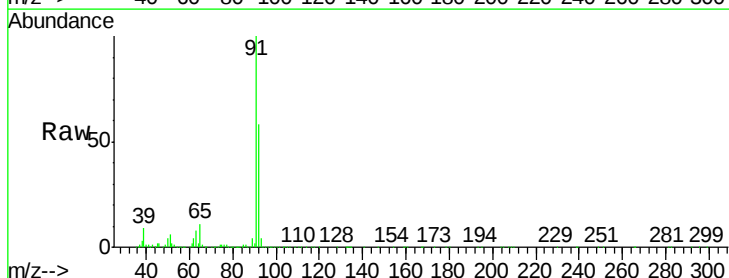
Acq: 18 Aug 2020 18:35

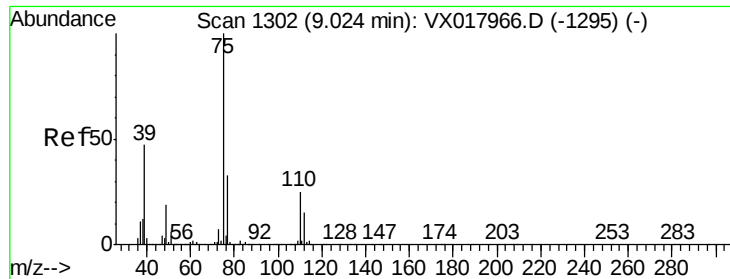
Tgt Ion: 92 Resp: 214303

Ion Ratio Lower Upper

92 100

91 177.7 138.4 207.6





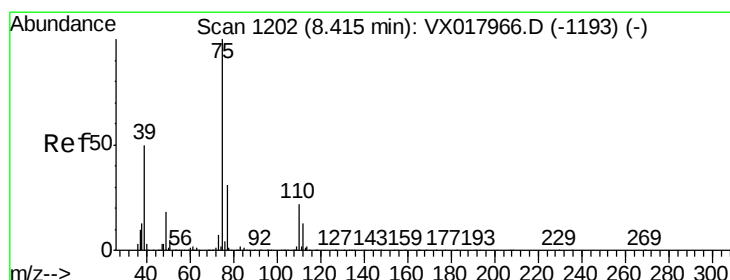
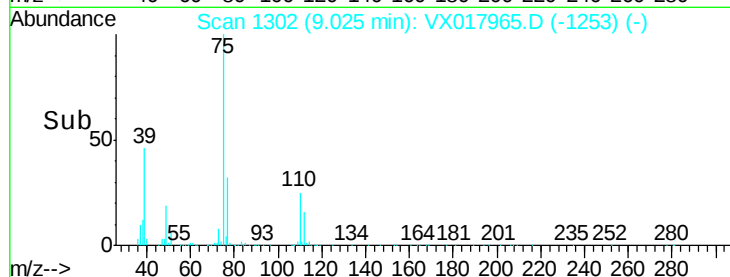
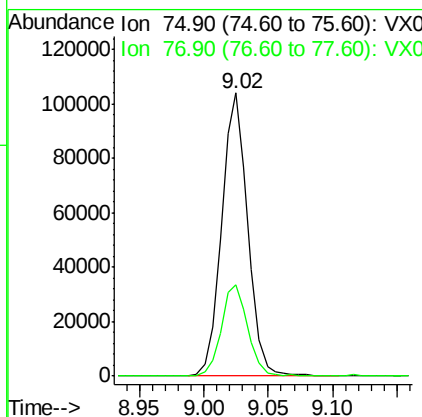
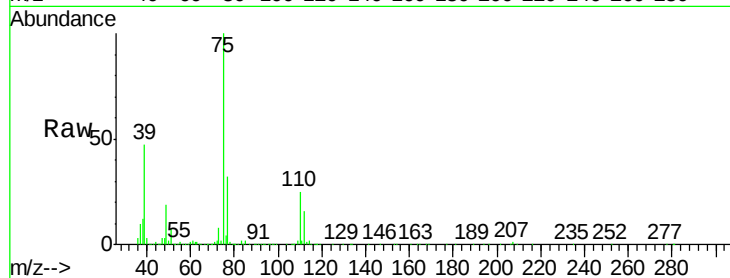
#53
t-1,3-Dichloropropene
Concen: 18.050 ug/l
RT: 9.02 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VX017965.D
Acq: 18 Aug 2020 18:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.0	26.1	39.1

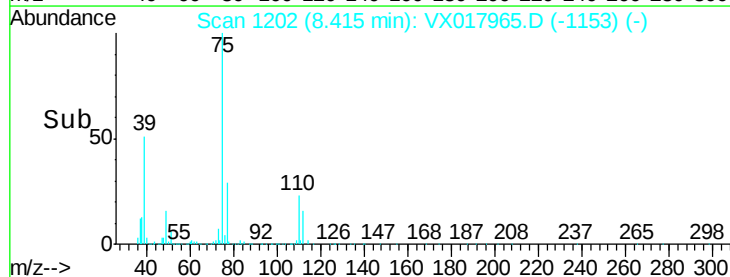
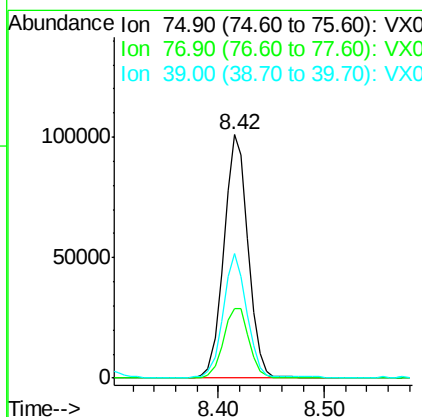
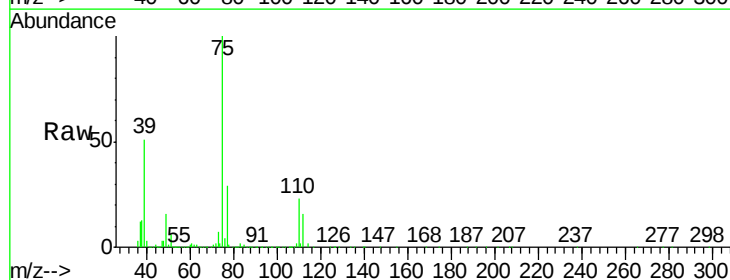
Manual Integrations
APPROVED

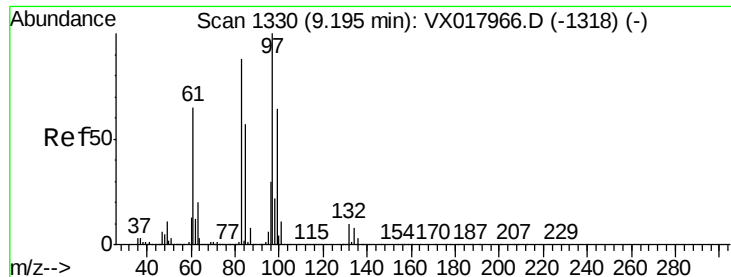
MMDadoda
8/19/2020 8:53:40 AM



#54
cis-1,3-Dichloropropene
Concen: 19.224 ug/l
RT: 8.42 min Scan# 1202
Delta R.T. 0.00 min
Lab File: VX017965.D
Acq: 18 Aug 2020 18:35

Tgt Ion	Ratio	Lower	Upper
75	100		
77	28.5	24.6	36.8
39	50.8	39.7	59.5





#55

1,1,2-Trichloroethane

Concen: 20.134 ug/l

RT: 9.20 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VX017965.D

Acq: 18 Aug 2020 18:35

Instrument :

MSVOA_X

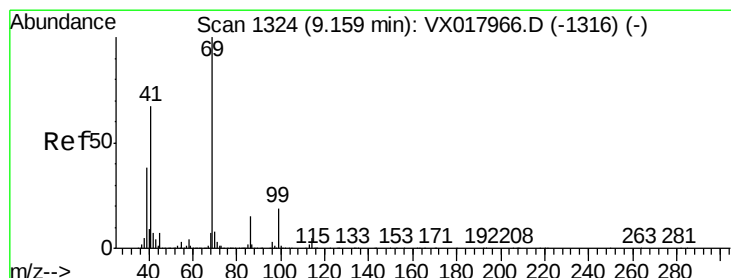
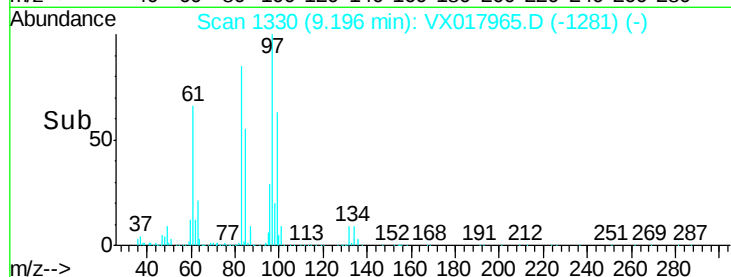
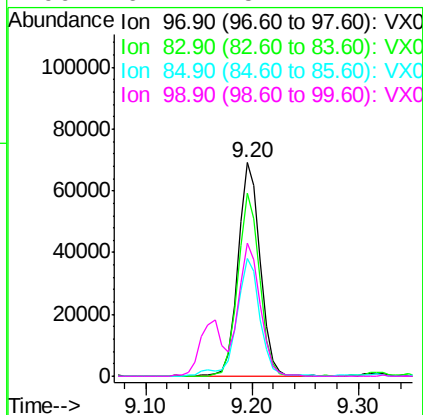
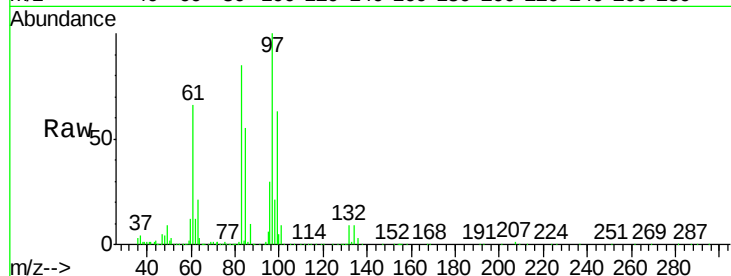
ClientSampleId :

VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		101115		
83	85.3	70.1	105.1		
85	54.6	45.8	68.8		
99	62.4	51.4	77.2		

Manual Integrations
APPROVED

MMDadoda
8/19/2020 8:53:40 AM



#56

Ethyl methacrylate

Concen: 17.913 ug/l

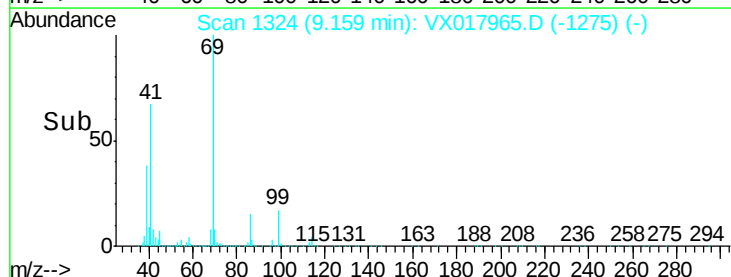
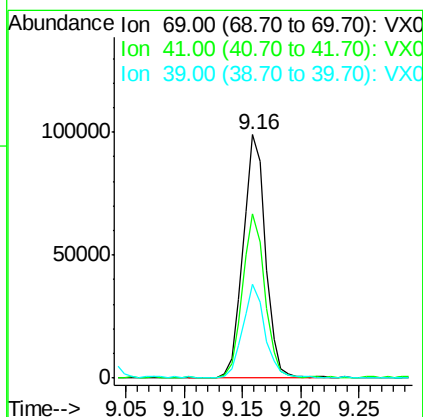
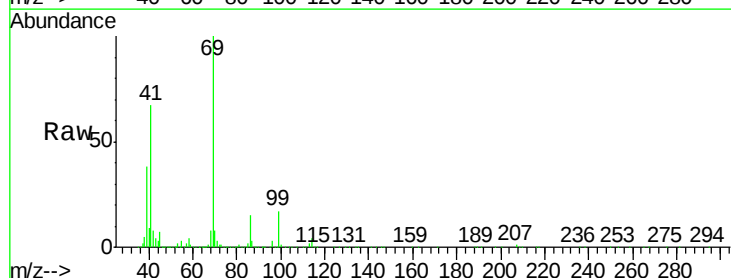
RT: 9.16 min Scan# 1324

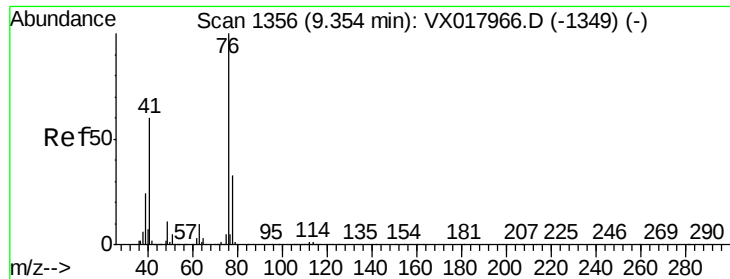
Delta R.T. 0.00 min

Lab File: VX017965.D

Acq: 18 Aug 2020 18:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		133744		
41	66.1	52.3	78.5		
39	37.7	29.2	43.8		





#57

1,3-Dichloropropane

Concen: 19.609 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. 0.00 min

Lab File: VX017965.D

Acq: 18 Aug 2020 18:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 161321

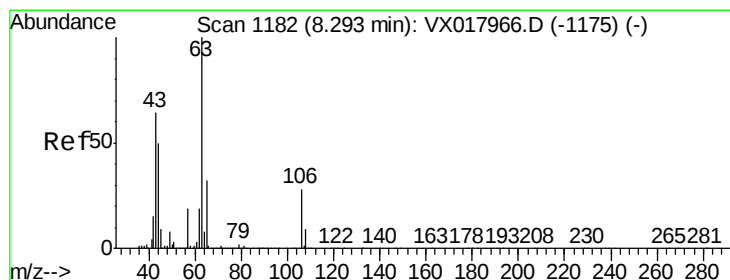
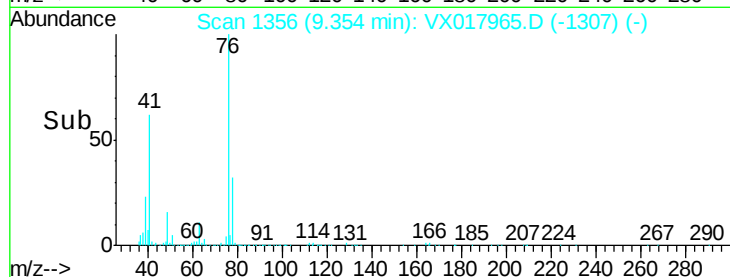
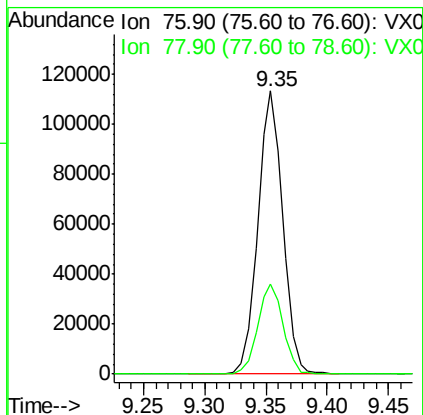
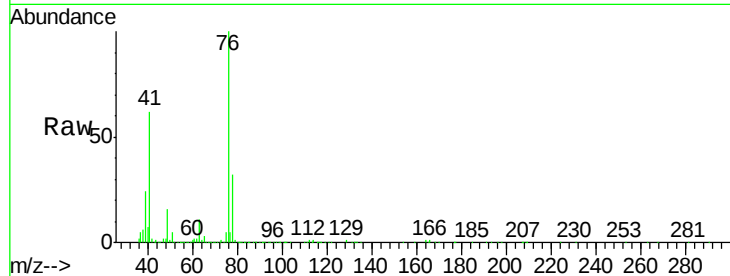
Ion Ratio Lower Upper

76 100

78 32.1 26.4 39.6

Manual Integrations
APPROVED

MMDadoda
8/19/2020 8:53:40 AM



#58

2-Chloroethyl Vinyl ether

Concen: 81.270 ug/l

RT: 8.29 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VX017965.D

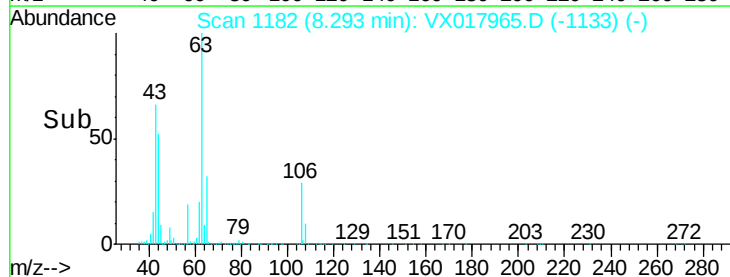
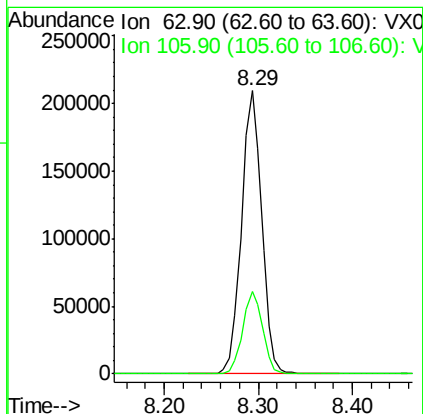
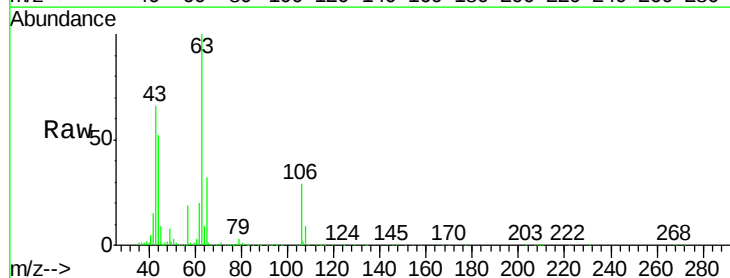
Acq: 18 Aug 2020 18:35

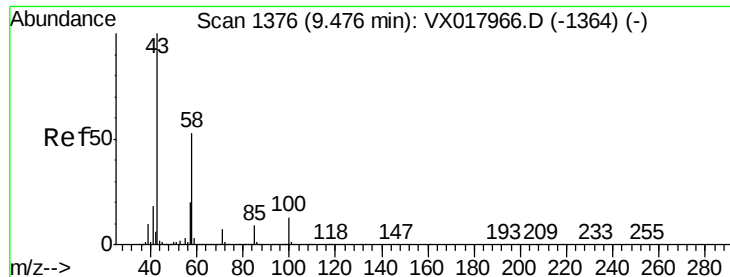
Tgt Ion: 63 Resp: 314015

Ion Ratio Lower Upper

63 100

106 28.6 23.0 34.4





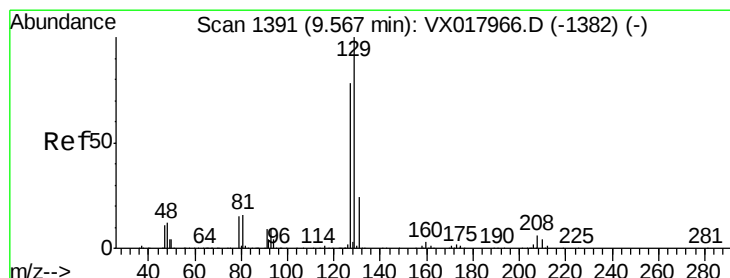
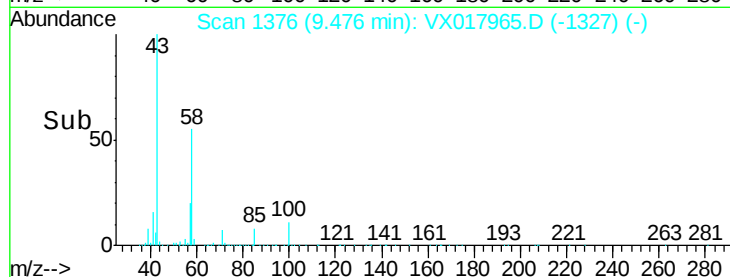
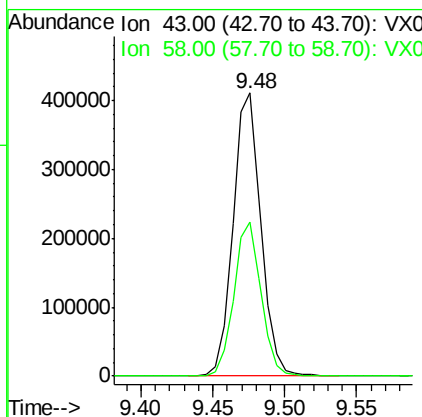
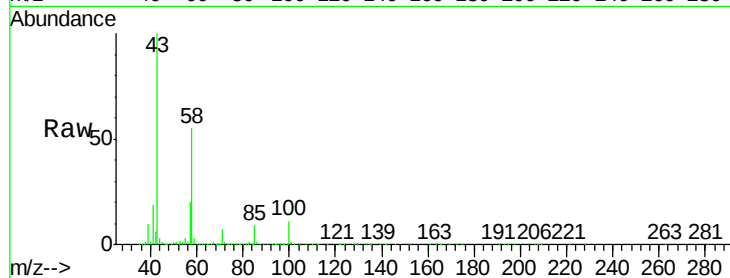
#59
2-Hexanone
Concen: 105.129 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. 0.00 min
Lab File: VX017965.D
Acq: 18 Aug 2020 18:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.2	26.4	79.0

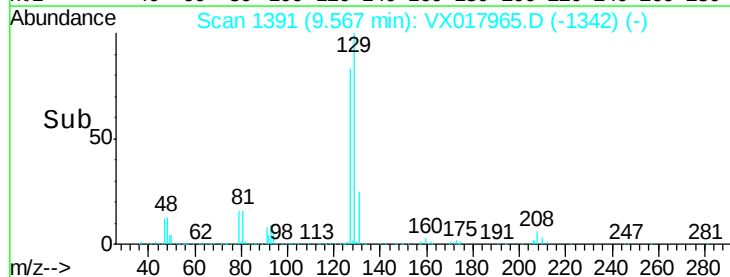
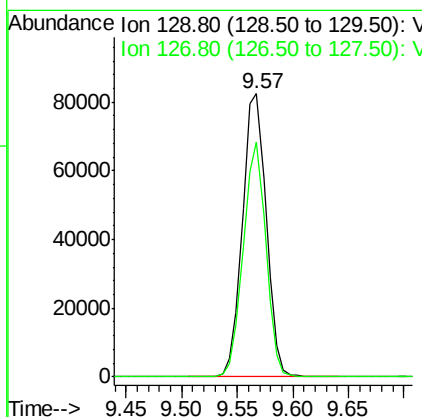
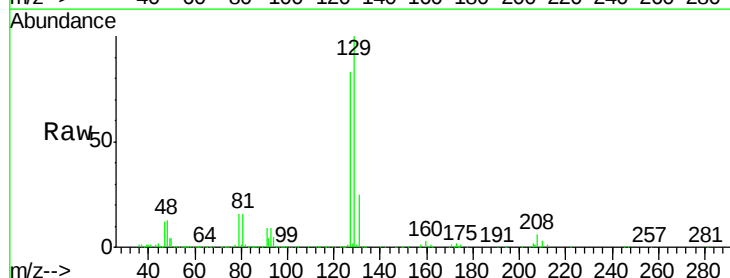
Manual Integrations
APPROVED

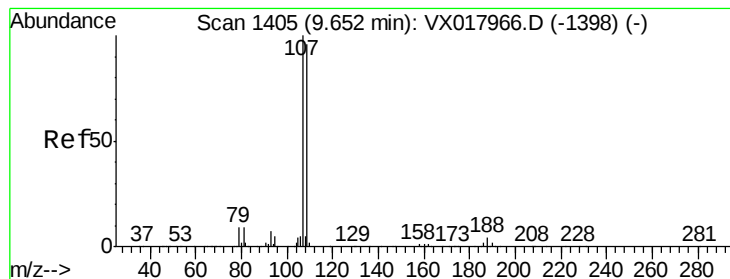
MMDadoda
8/19/2020 8:53:40 AM



#60
Dibromochloromethane
Concen: 19.403 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VX017965.D
Acq: 18 Aug 2020 18:35

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.6	39.5	118.3





#61

1,2-Dibromoethane

Concen: 20.046 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. 0.00 min

Lab File: VX017965.D

Acq: 18 Aug 2020 18:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 107 Resp: 108099

Ion Ratio Lower Upper

107 100

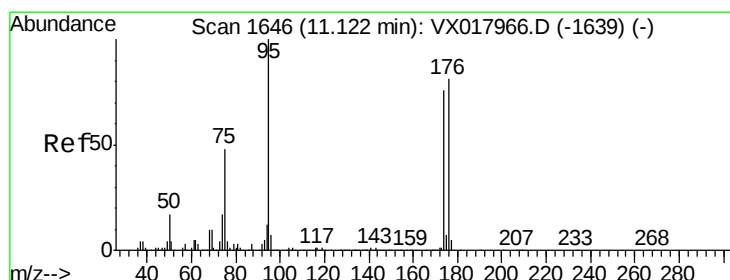
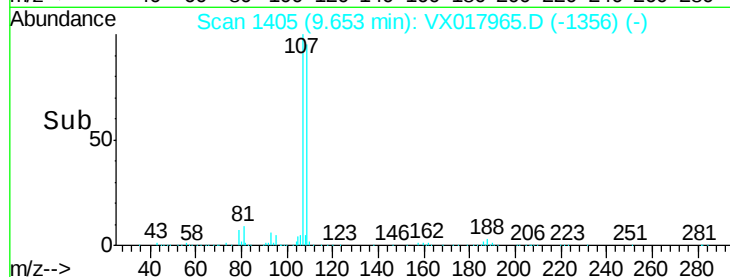
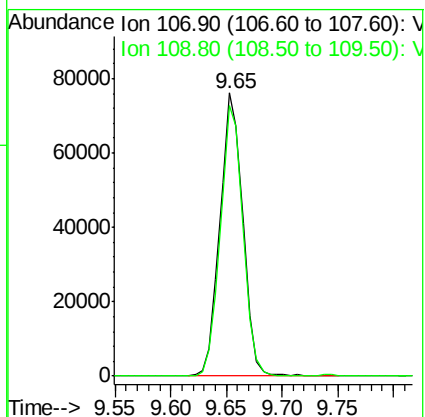
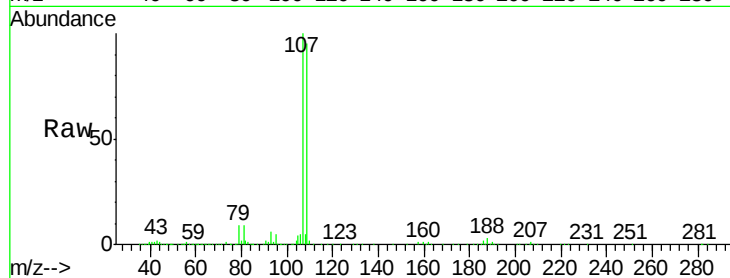
109 94.9 75.5 113.3

Manual Integrations

APPROVED

MMDadoda

8/19/2020 8:53:40 AM



#62

4-Bromofluorobenzene

Concen: 20.839 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX017965.D

Acq: 18 Aug 2020 18:35

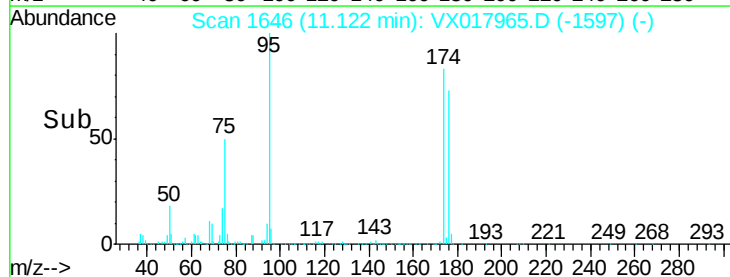
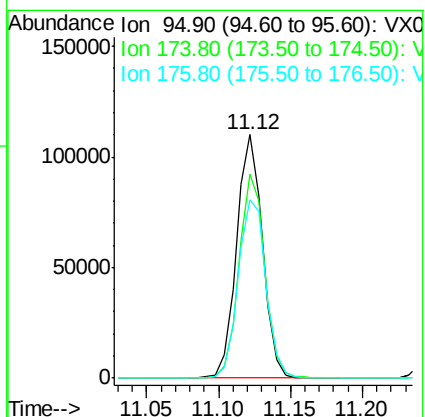
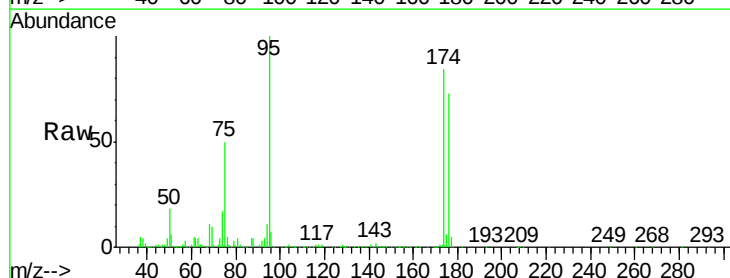
Tgt Ion: 95 Resp: 137580

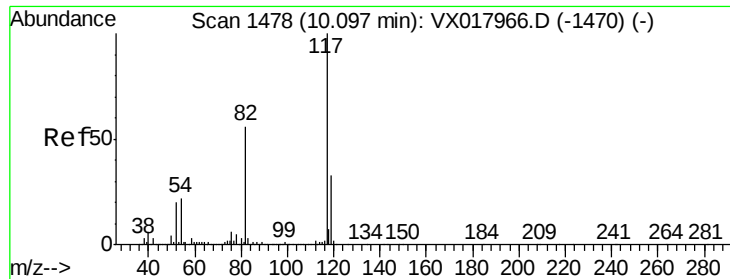
Ion Ratio Lower Upper

95 100

174 83.3 0.0 166.0

176 78.1 0.0 161.0





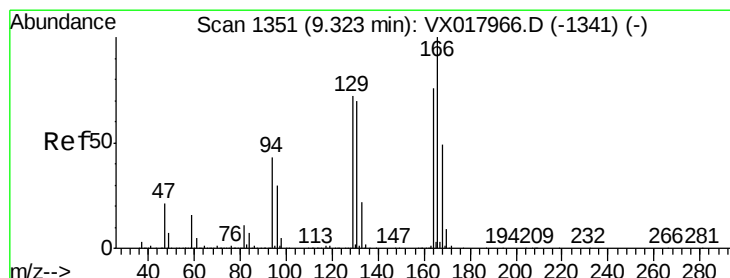
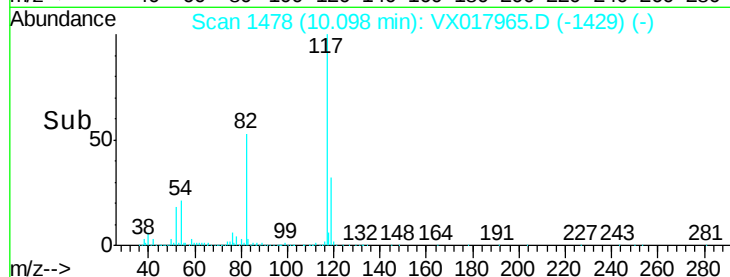
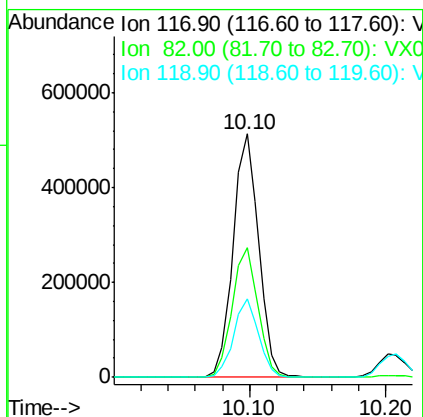
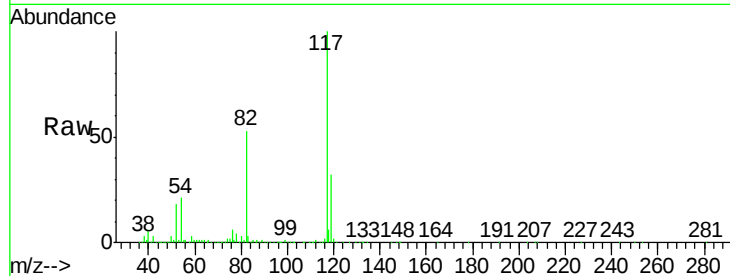
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX017965.D
Acq: 18 Aug 2020 18:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	669107		
82	53.3	44.6	66.8	
119	32.1	26.2	39.4	

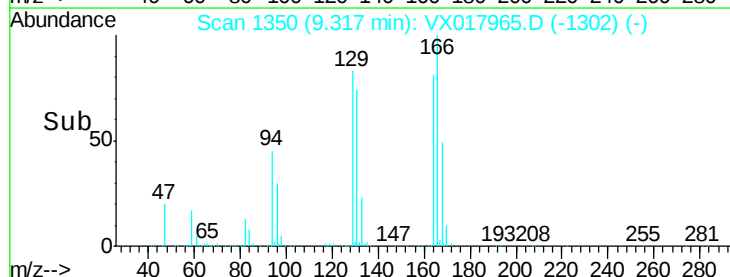
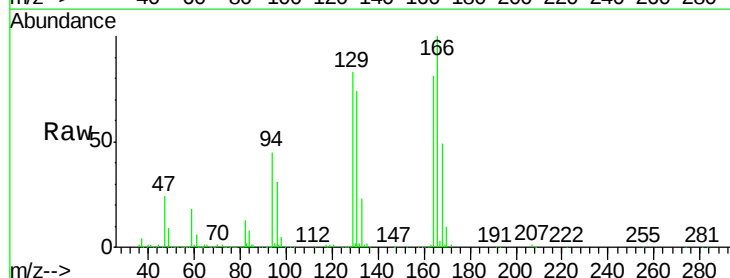
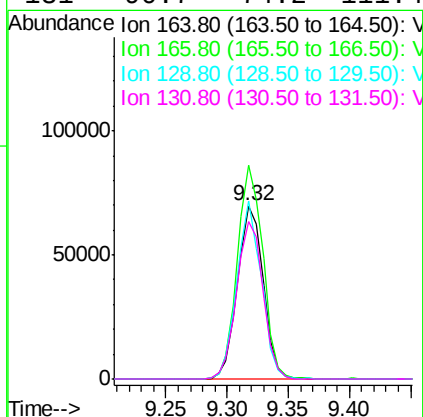
Manual Integrations
APPROVED

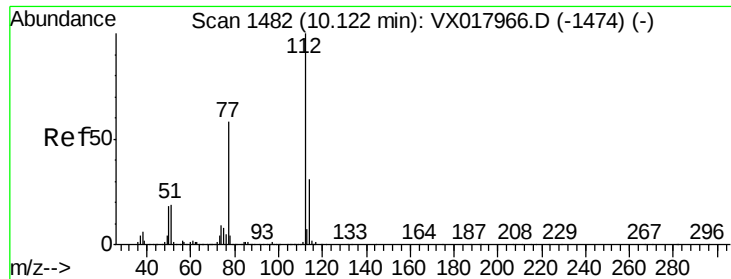
MMDadoda
8/19/2020 8:53:40 AM



#64
Tetrachloroethene
Concen: 17.296 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.01 min
Lab File: VX017965.D
Acq: 18 Aug 2020 18:35

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	101482		
166	123.4	105.7	158.5	
129	102.5	75.8	113.8	
131	90.7	74.2	111.4	





#65

Chlorobenzene

Concen: 17.297 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX017965.D

Acq: 18 Aug 2020 18:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:112 Resp: 247465

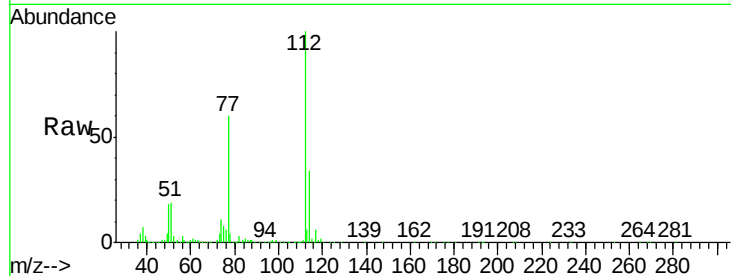
Ion Ratio Lower Upper

112 100

114 33.5 25.0 37.6

Manual Integrations
APPROVED

MMDadoda
8/19/2020 8:53:40 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.12

200000

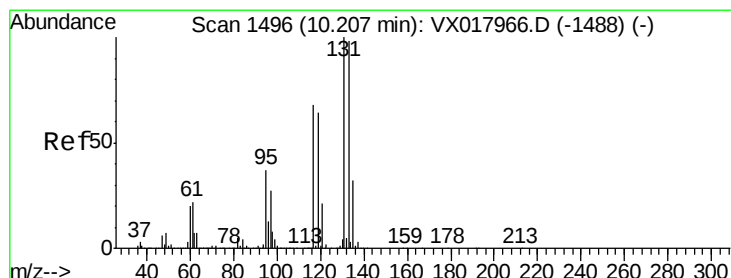
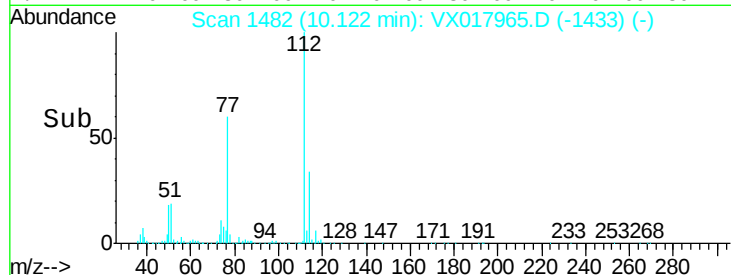
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 18.344 ug/l

RT: 10.21 min Scan# 1496

Delta R.T. 0.00 min

Lab File: VX017965.D

Acq: 18 Aug 2020 18:35

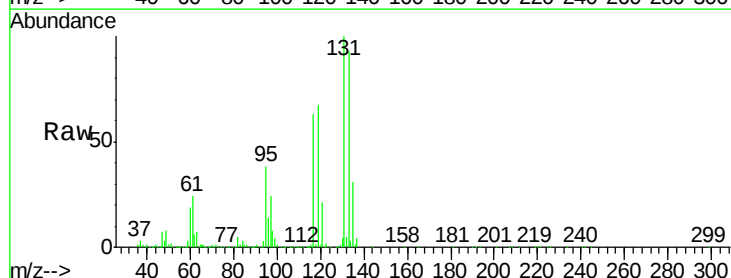
Tgt Ion:131 Resp: 106442

Ion Ratio Lower Upper

131 100

133 97.2 48.4 145.3

119 64.5 31.6 94.8



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

10.21

100000

80000

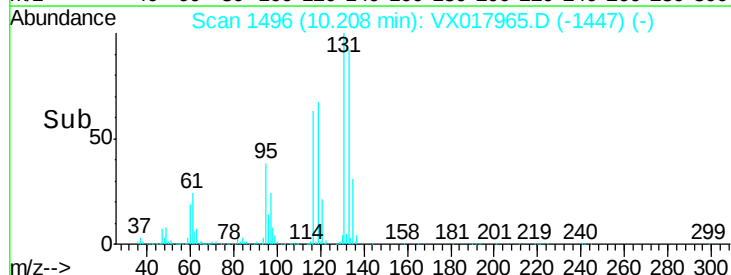
60000

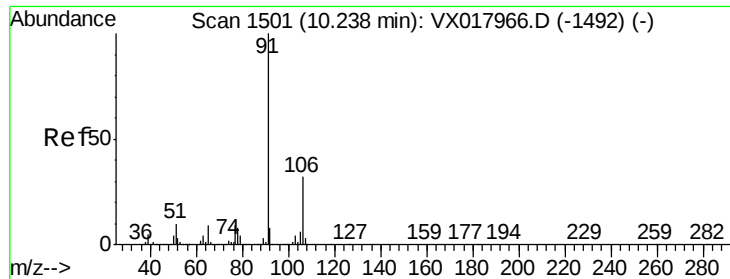
40000

20000

0

Time-->





#67

Ethyl Benzene

Concen: 17.025 ug/l

RT: 10.24 min Scan# 1501

Delta R.T. 0.00 min

Lab File: VX017965.D

Acq: 18 Aug 2020 18:35

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

Tot Ion: 91 Resp: 404526

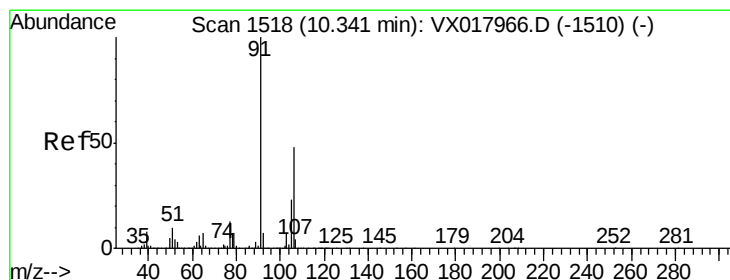
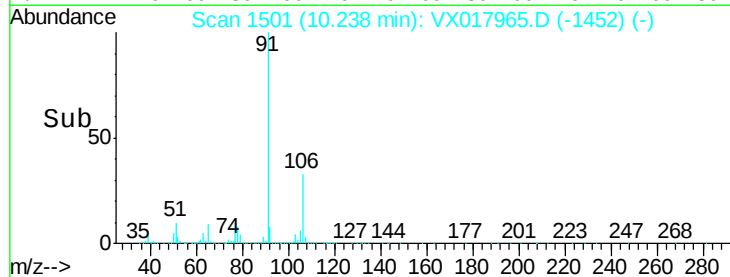
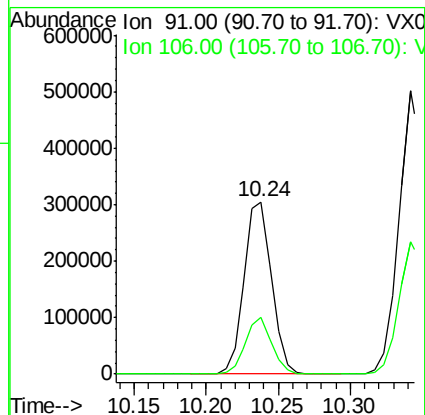
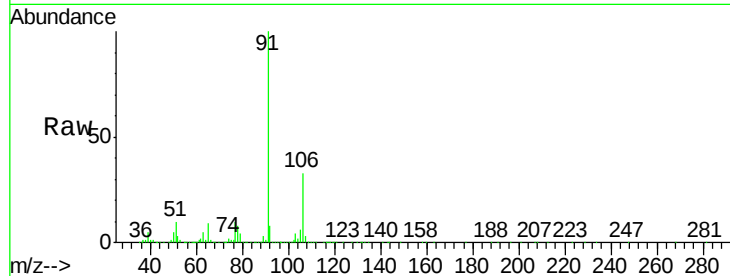
Ion Ratio Lower Upper

91 100

106 32.8 25.4 38.0

Manual Integrations
APPROVED

MMDadoda
8/19/2020 8:53:40 AM



#68

m/p-Xylenes

Concen: 33.854 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX017965.D

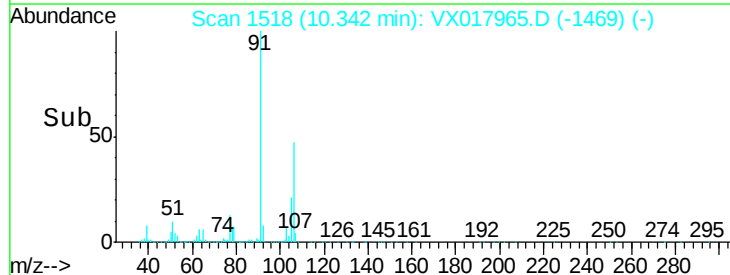
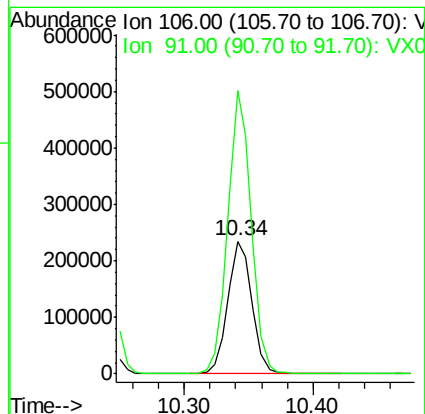
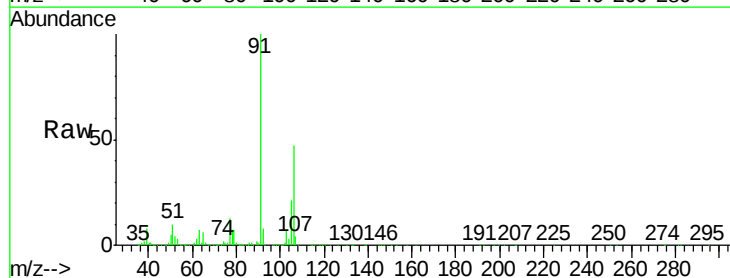
Acq: 18 Aug 2020 18:35

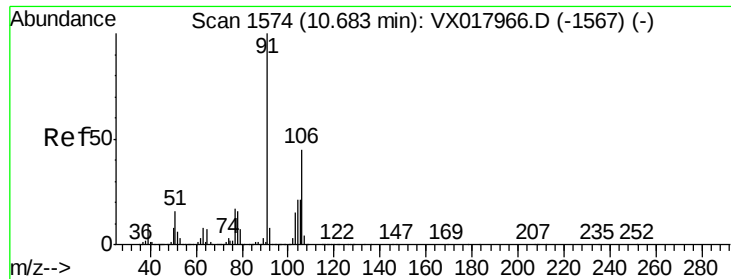
Tgt Ion: 106 Resp: 309290

Ion Ratio Lower Upper

106 100

91 207.7 167.4 251.2





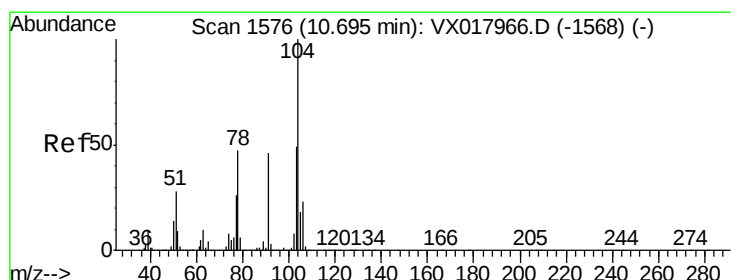
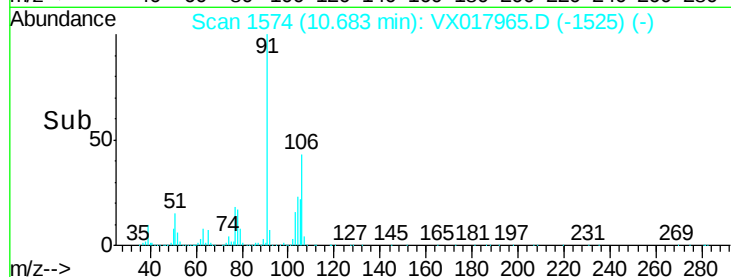
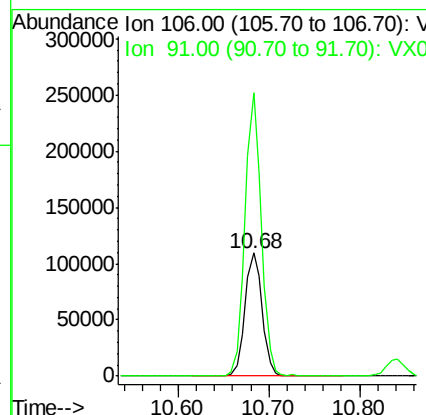
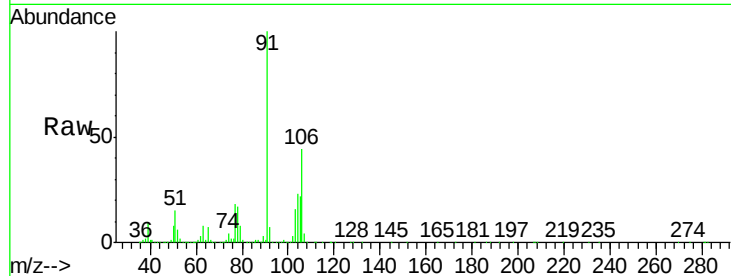
#69
o-Xylene
Concen: 16.324 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX017965.D
Acq: 18 Aug 2020 18:35

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	217.5	108.1	324.2	

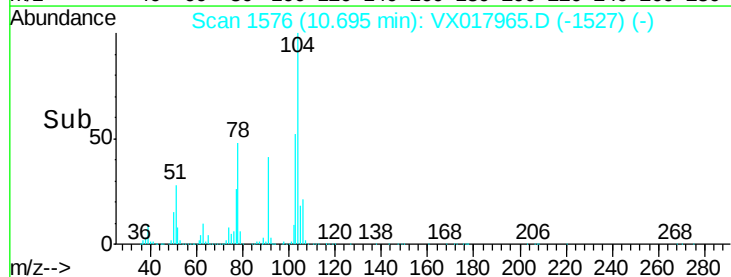
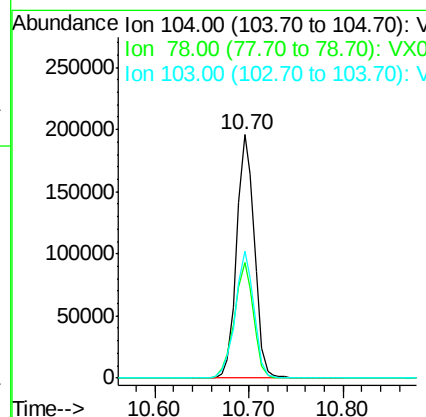
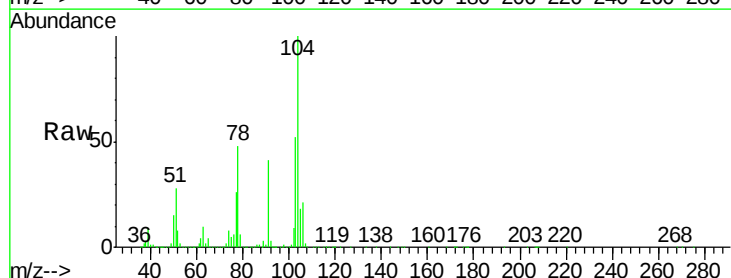
Manual Integrations
APPROVED

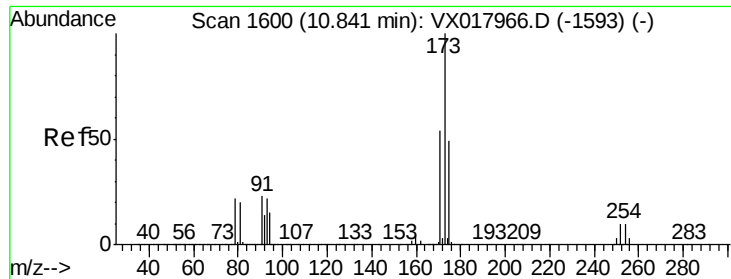
MMDadoda
8/19/2020 8:53:40 AM



#70
Styrene
Concen: 17.050 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX017965.D
Acq: 18 Aug 2020 18:35

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	50.8	41.3	61.9	
103	55.3	42.9	64.3	





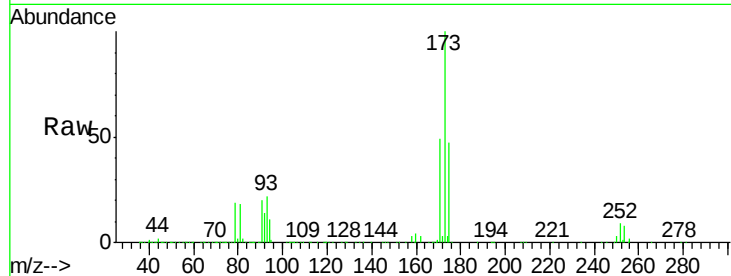
#71
Bromoform
Concen: 18.590 ug/l
RT: 10.84 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VX017965.D
Acq: 18 Aug 2020 18:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

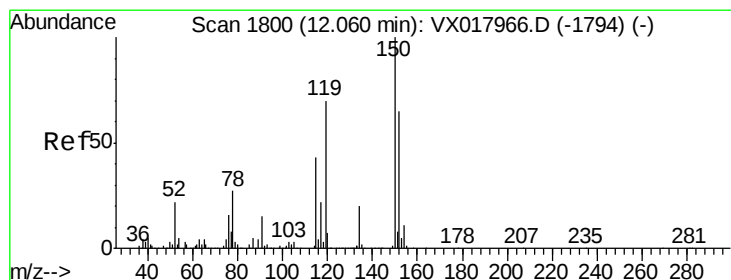
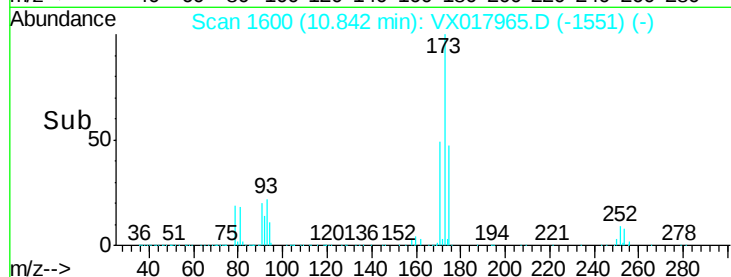
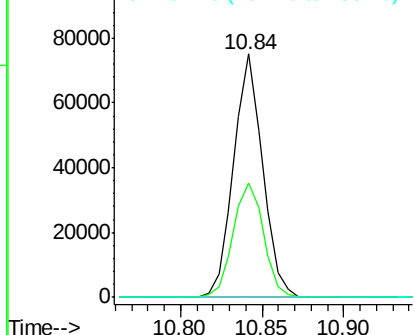
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.4	73.2
254	0.1	0.2	0.2

Manual Integrations
APPROVED

MMDadoda
8/19/2020 8:53:40 AM

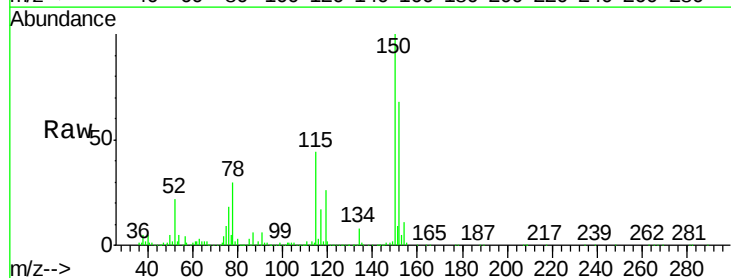


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

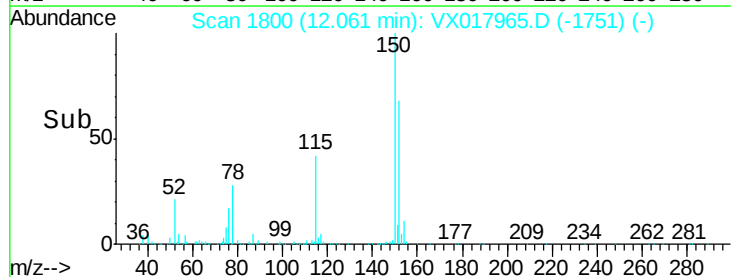
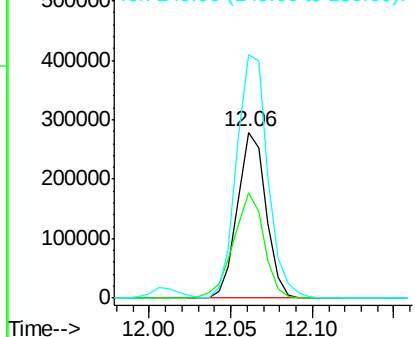


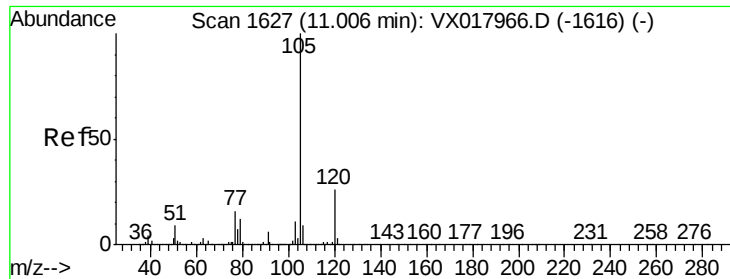
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX017965.D
Acq: 18 Aug 2020 18:35

Tgt Ion	Ratio	Lower	Upper
152	100		
115	67.8	40.6	121.7
150	160.6	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: 17.736 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. -0.01 min

Lab File: VX017965.D

Acq: 18 Aug 2020 18:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 105 Resp: 412611

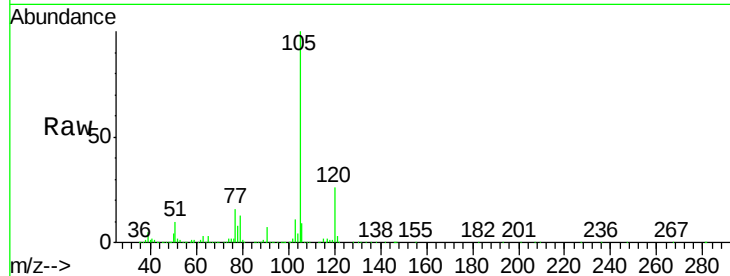
Ion Ratio Lower Upper

105 100

120 26.4 13.5 40.4

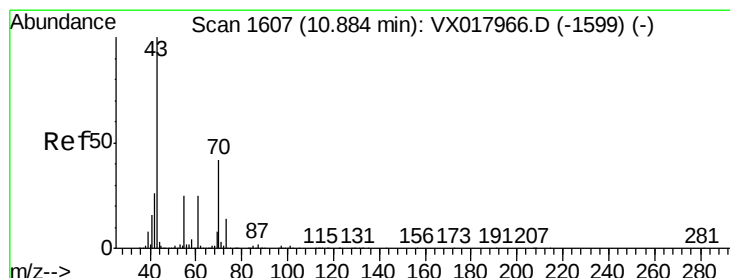
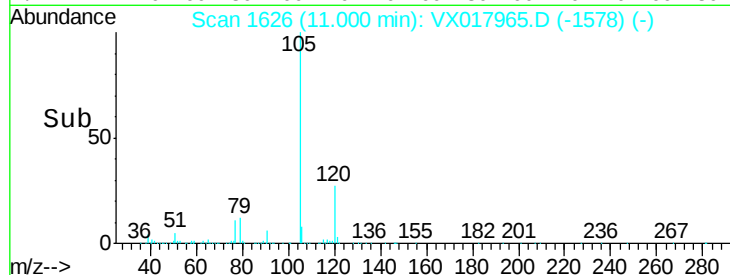
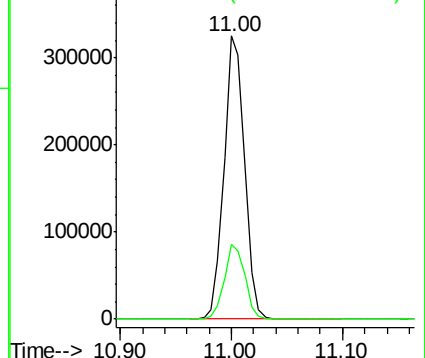
Manual Integrations
APPROVED

MMDadoda
8/19/2020 8:53:40 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 17.974 ug/l

RT: 10.88 min Scan# 1607

Delta R.T. 0.00 min

Lab File: VX017965.D

Acq: 18 Aug 2020 18:35

Tgt Ion: 43 Resp: 183210

Ion Ratio Lower Upper

43 100

70 40.4 32.9 49.3

55 25.2 19.3 28.9

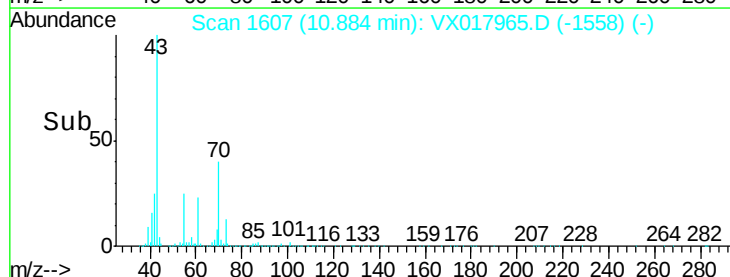
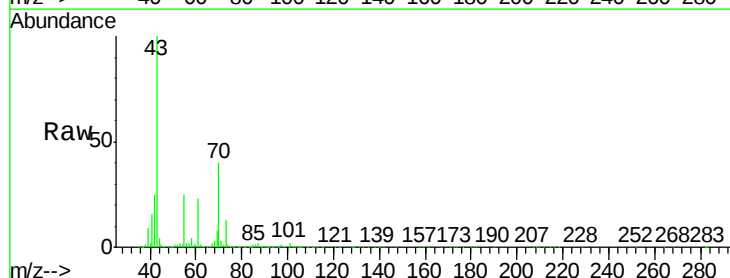
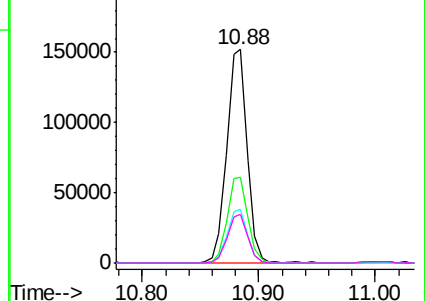
61 23.1 19.6 29.4

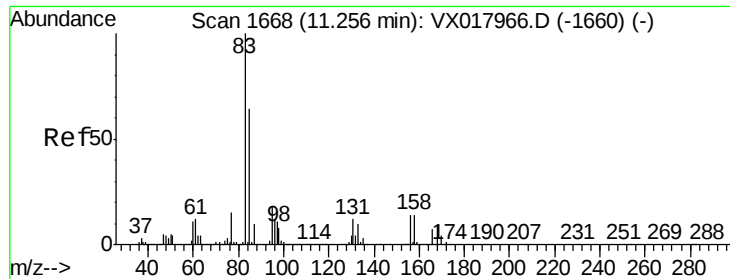
Abundance Ion 43.00 (42.70 to 43.70): VX0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 19.796 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. -0.01 min

Lab File: VX017965.D

Acq: 18 Aug 2020 18:35

Instrument :

MSVOA_X

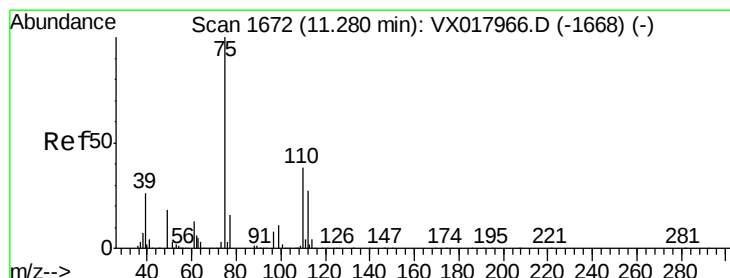
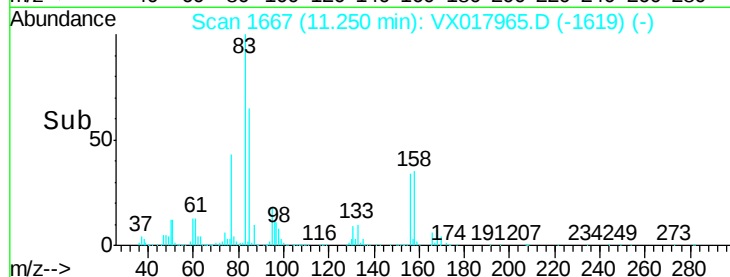
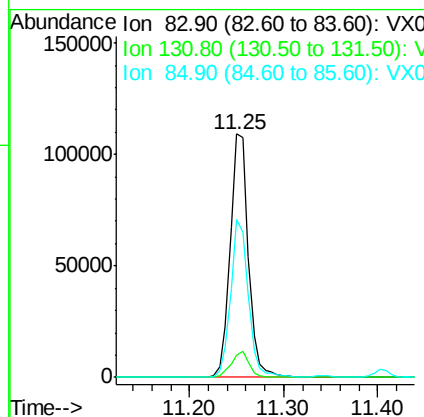
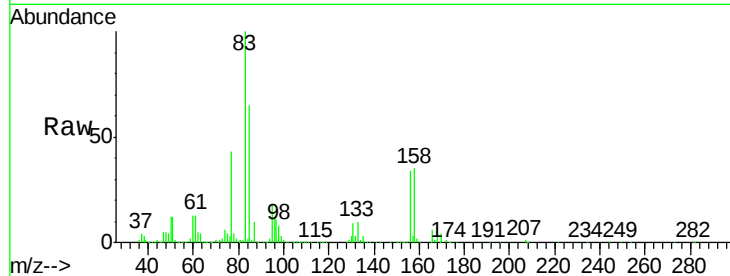
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	146414
Ion Ratio		Lower	Upper
83	100		
131	10.4	5.7	17.0
85	63.6	32.2	96.6

Manual Integrations
APPROVED

MMDadoda
8/19/2020 8:53:40 AM



#76

1,2,3-Trichloropropane

Concen: 19.590 ug/l m

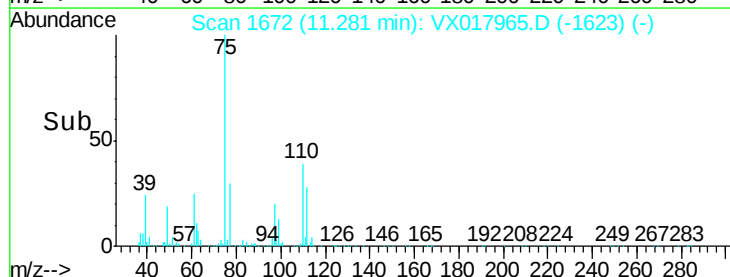
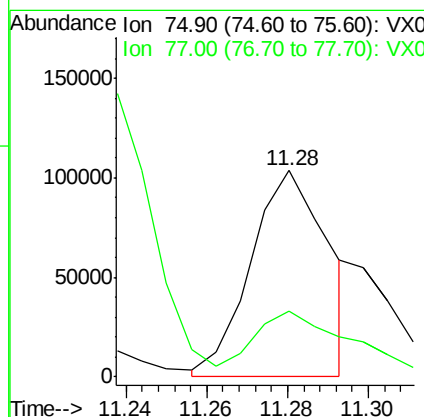
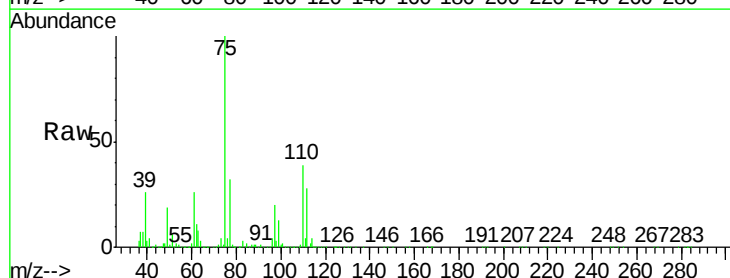
RT: 11.28 min Scan# 1672

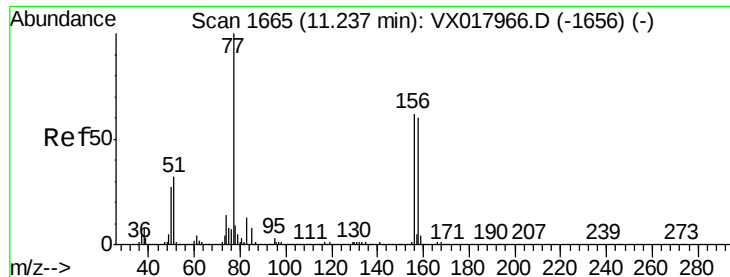
Delta R.T. 0.00 min

Lab File: VX017965.D

Acq: 18 Aug 2020 18:35

Tgt Ion:	75	Resp:	137624
Ion Ratio		Lower	Upper
75	100		
77	40.3	21.1	63.1





#77

Bromobenzene

Concen: 17.775 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VX017965.D

Acq: 18 Aug 2020 18:35

Instrument :

MSVOA_X

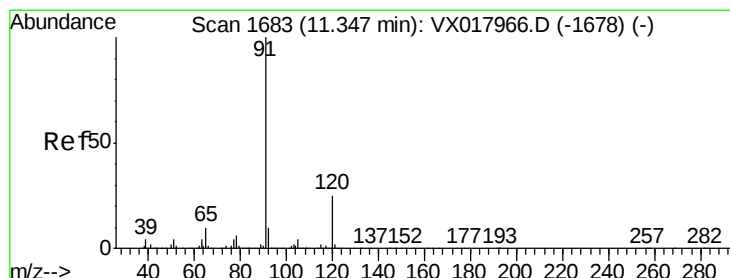
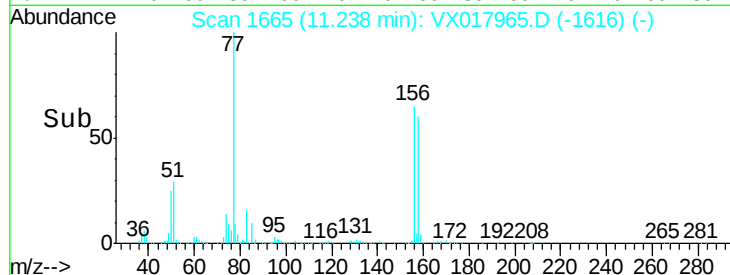
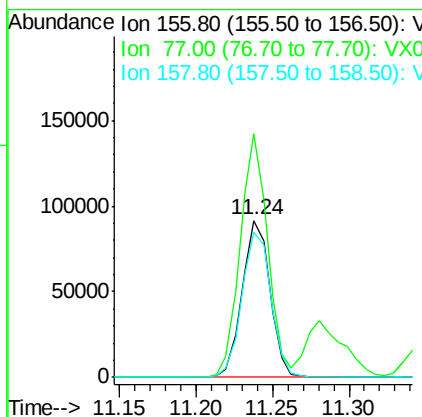
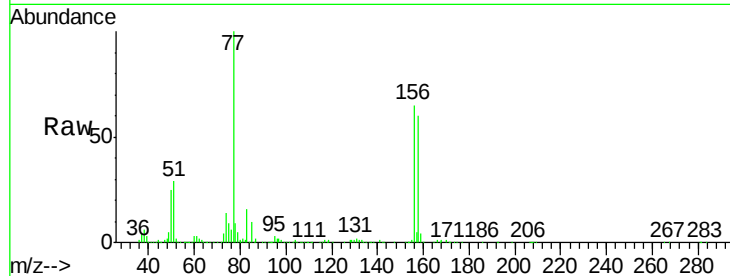
ClientSampleId :

VSTDIC020

Tot Ion:	156	Resp:	115673
Ion Ratio	Lower	Upper	
156	100		
77	152.5	78.0	234.0
158	96.8	49.2	147.6

Manual Integrations
APPROVED

MMDadoda
8/19/2020 8:53:40 AM



#78

n-propylbenzene

Concen: 17.810 ug/l

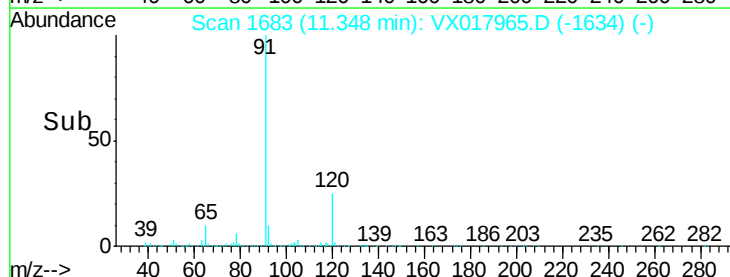
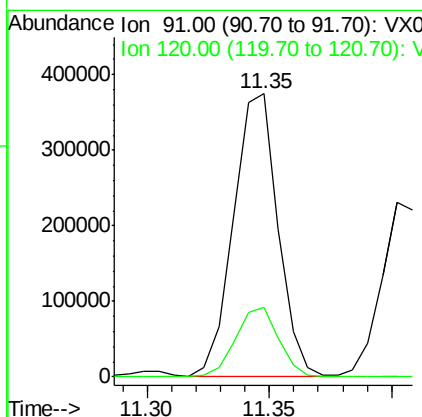
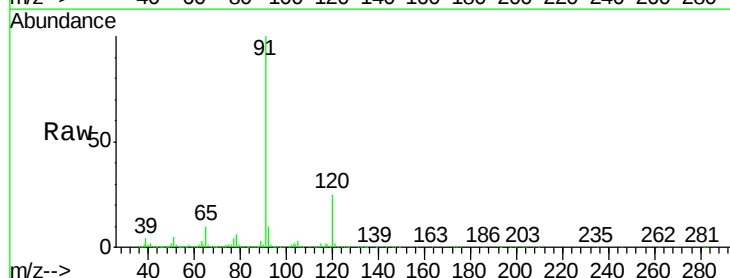
RT: 11.35 min Scan# 1683

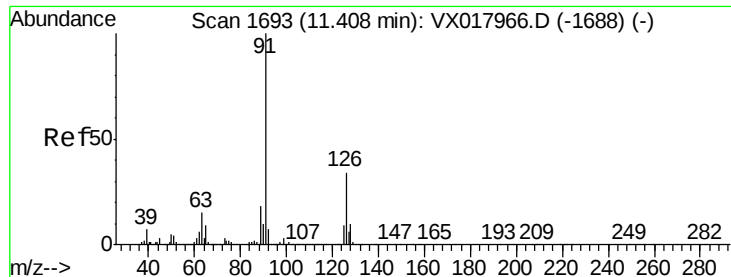
Delta R.T. 0.00 min

Lab File: VX017965.D

Acq: 18 Aug 2020 18:35

Tgt Ion:	91	Resp:	469395
Ion Ratio	Lower	Upper	
91	100		
120	24.1	12.0	36.1





#79

2-Chlorotoluene

Concen: 17.980 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. -0.01 min

Lab File: VX017965.D

Acq: 18 Aug 2020 18:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 293083

Ion Ratio Lower Upper

91 100

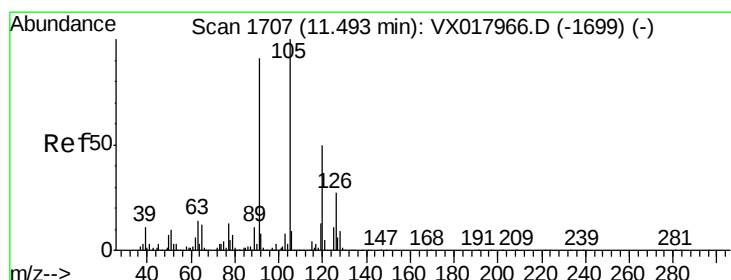
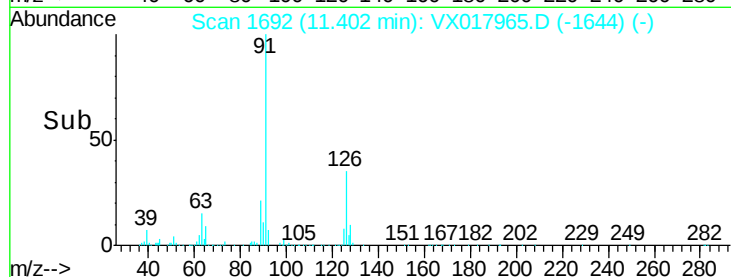
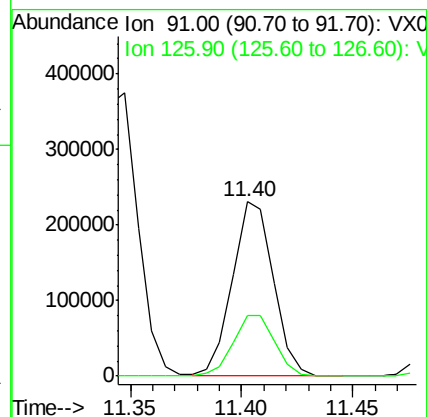
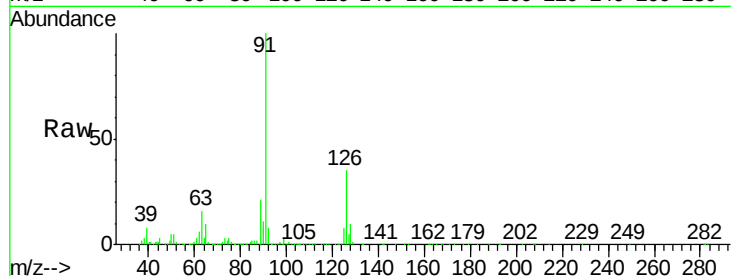
126 35.8 17.1 51.2

Manual Integrations

APPROVED

MMDadoda

8/19/2020 8:53:40 AM



#80

1,3,5-Trimethylbenzene

Concen: 18.286 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX017965.D

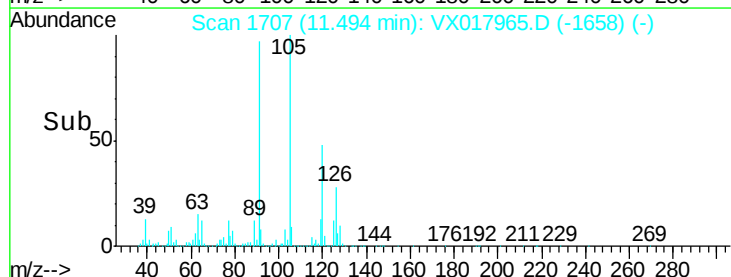
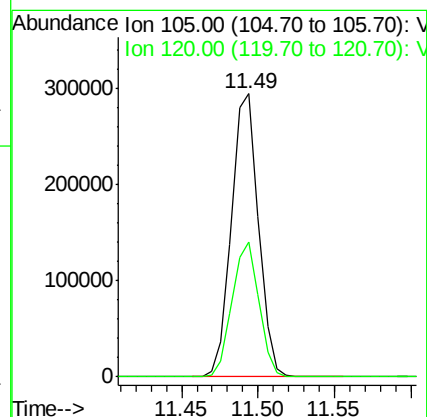
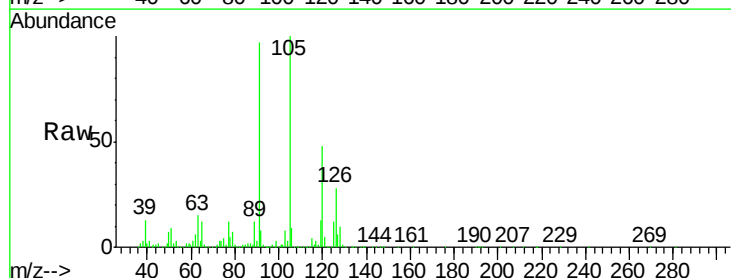
Acq: 18 Aug 2020 18:35

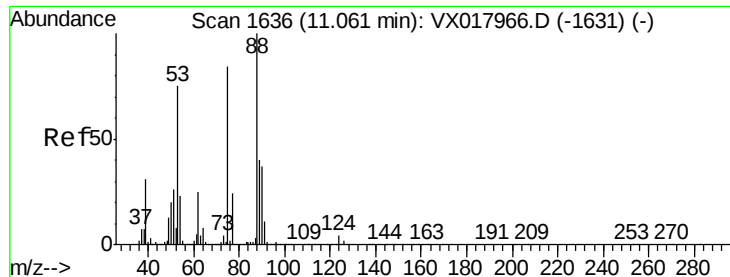
Tgt Ion: 105 Resp: 362092

Ion Ratio Lower Upper

105 100

120 47.3 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 18.152 ug/l

RT: 11.06 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VX017965.D

Acq: 18 Aug 2020 18:35

Instrument :

MSVOA_X

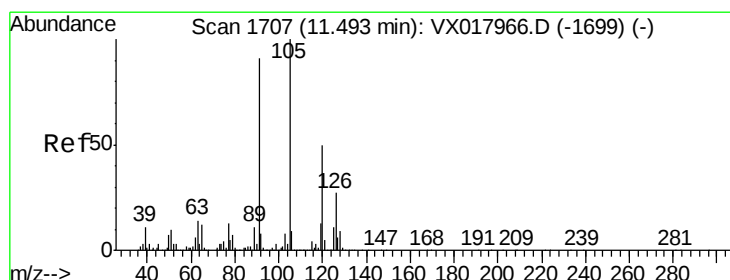
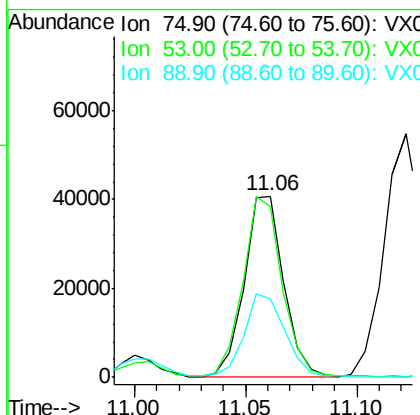
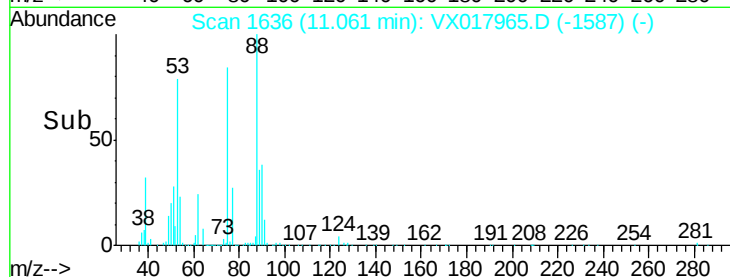
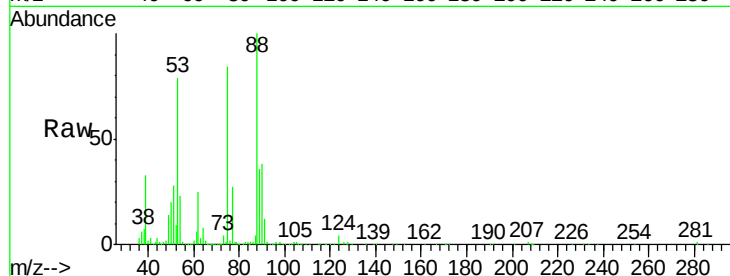
ClientSampleId :

VSTDIC020

Tot Ion:	75	Resp:	50661
Ion	Ratio	Lower	Upper
75	100		
53	97.9	75.2	112.8
89	47.7	38.4	57.6

Manual Integrations
APPROVED

MMDadoda
8/19/2020 8:53:40 AM



#82

4-Chlorotoluene

Concen: 18.301 ug/l

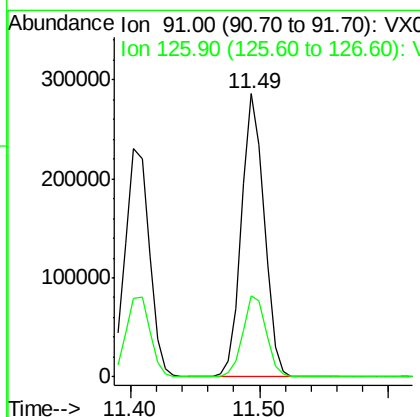
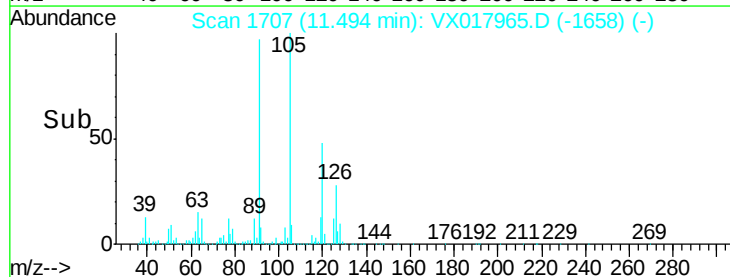
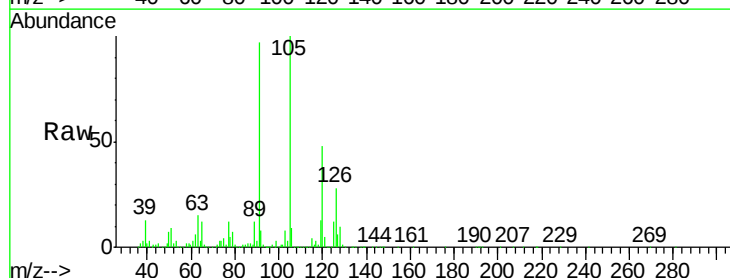
RT: 11.49 min Scan# 1707

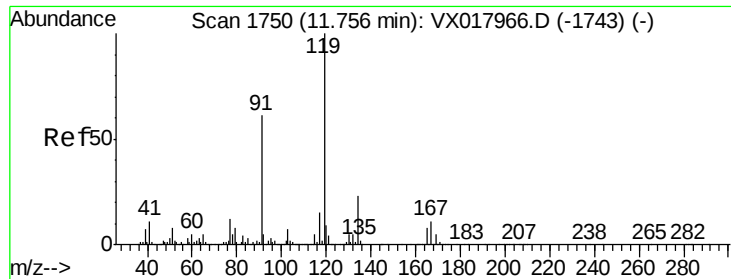
Delta R.T. 0.00 min

Lab File: VX017965.D

Acq: 18 Aug 2020 18:35

Tgt Ion:	91	Resp:	349391
Ion	Ratio	Lower	Upper
91	100		
126	29.2	15.0	45.0





#83

tert-Butylbenzene

Concen: 18.344 ug/l

RT: 11.76 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX017965.D

Acq: 18 Aug 2020 18:35

Instrument :

MSVOA_X

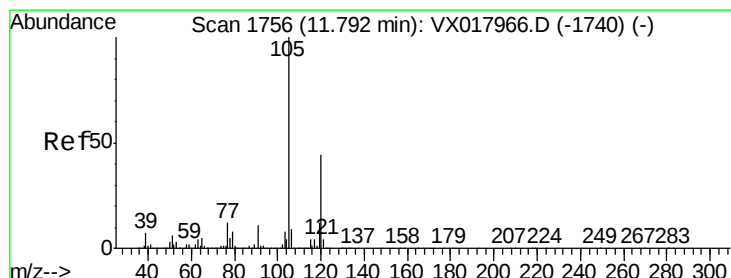
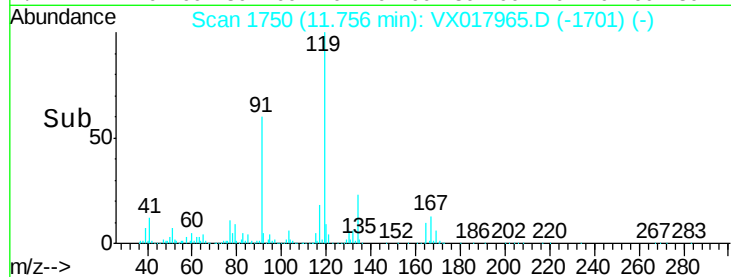
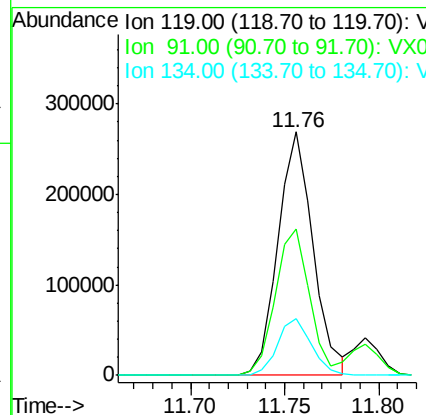
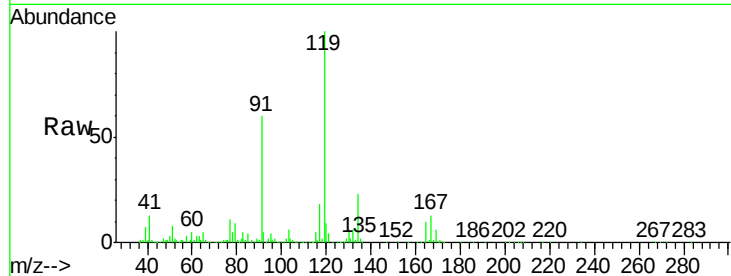
ClientSampleId :

VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	346156		
91	58.6	30.1	90.5	
134	22.7	11.1	33.1	

Manual Integrations
APPROVED

MMDadoda
8/19/2020 8:53:40 AM



#84

1,2,4-Trimethylbenzene

Concen: 18.671 ug/l

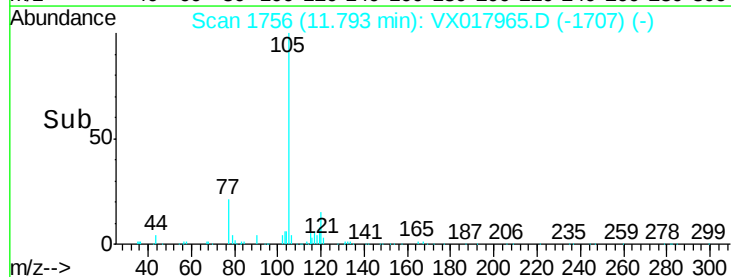
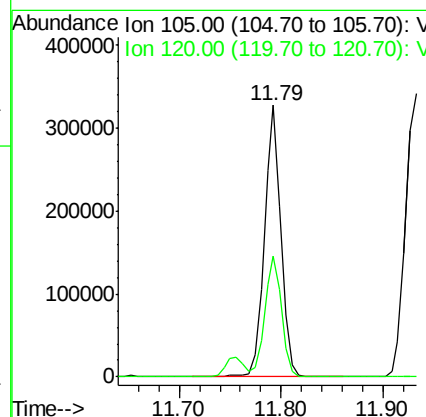
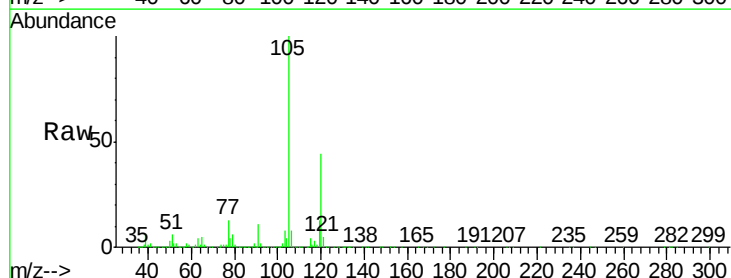
RT: 11.79 min Scan# 1756

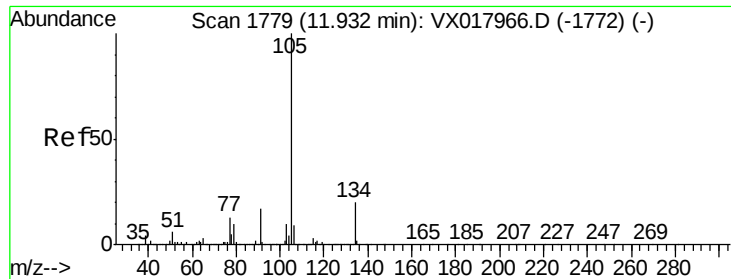
Delta R.T. 0.00 min

Lab File: VX017965.D

Acq: 18 Aug 2020 18:35

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	373655		
120	45.3	22.1	66.1	





#85

sec-Butylbenzene

Concen: 18.544 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VX017965.D

Acq: 18 Aug 2020 18:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 410826

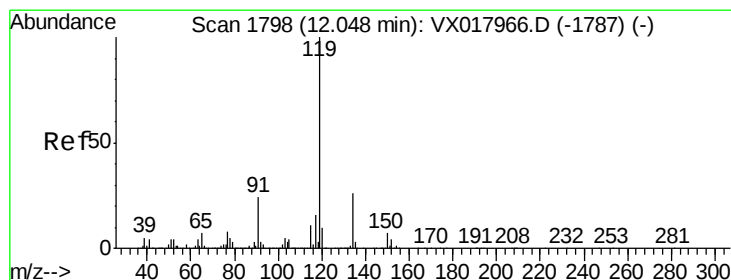
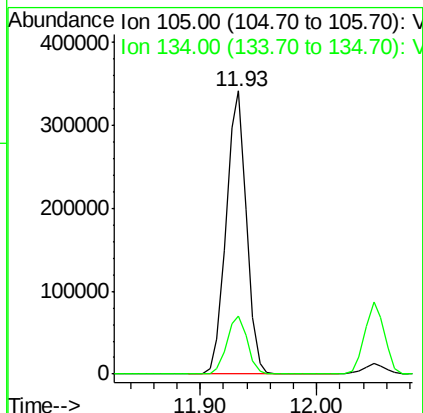
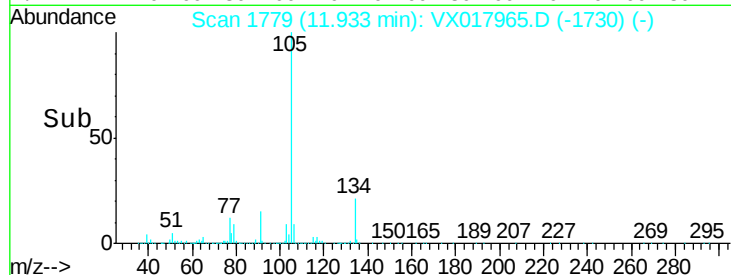
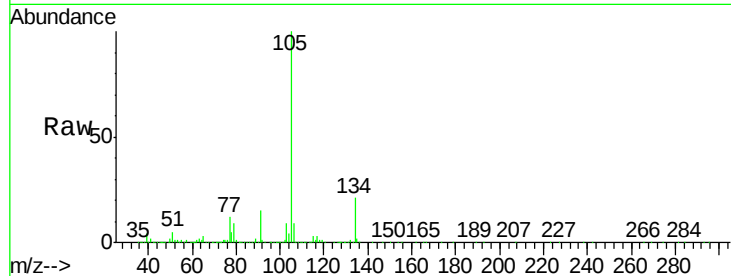
Ion Ratio Lower Upper

105 100

134 20.8 10.3 30.9

Manual Integrations
APPROVED

MMDadoda
8/19/2020 8:53:40 AM



#86

p-Isopropyltoluene

Concen: 18.513 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VX017965.D

Acq: 18 Aug 2020 18:35

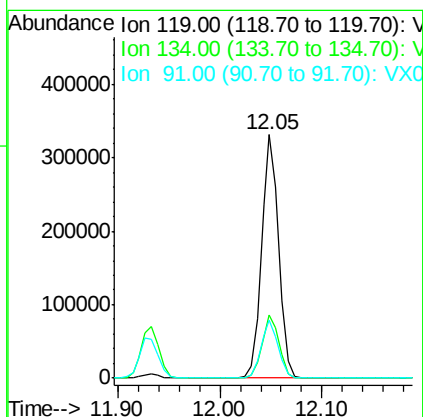
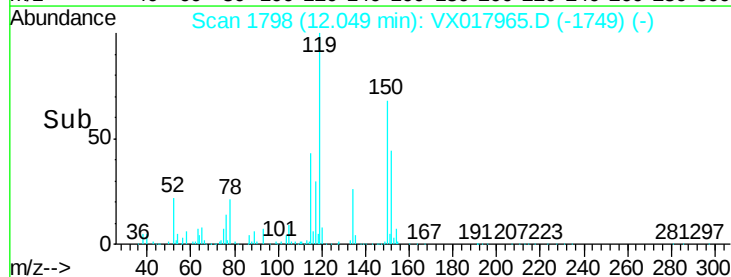
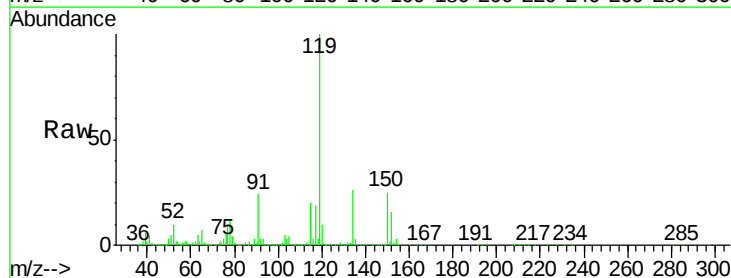
Tgt Ion:119 Resp: 389468

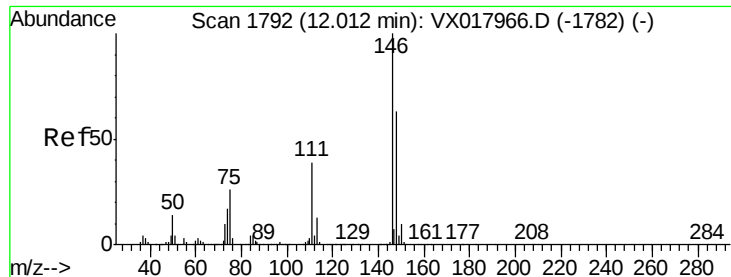
Ion Ratio Lower Upper

119 100

134 26.0 12.7 38.0

91 24.1 12.2 36.4





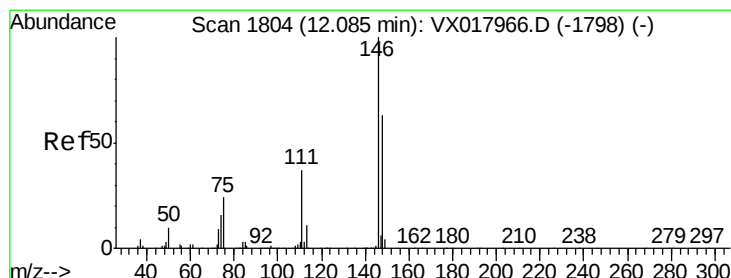
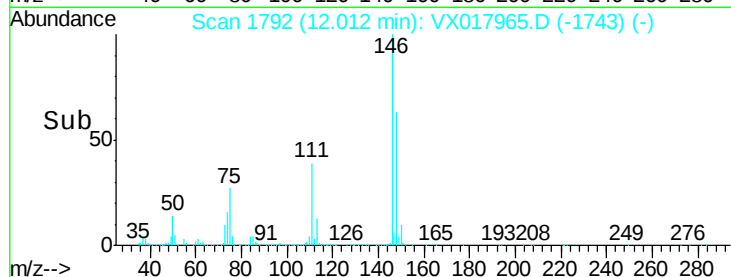
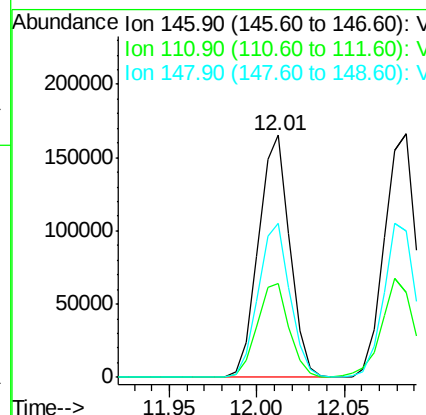
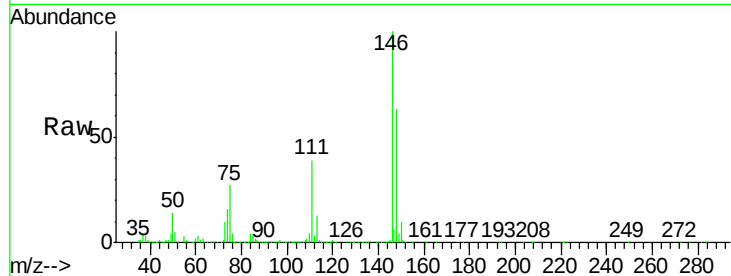
#87
 1,3-Dichlorobenzene
 Concen: 18.513 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX017965.D
 Acq: 18 Aug 2020 18:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.1	60.3
148	64.3	31.6	95.0

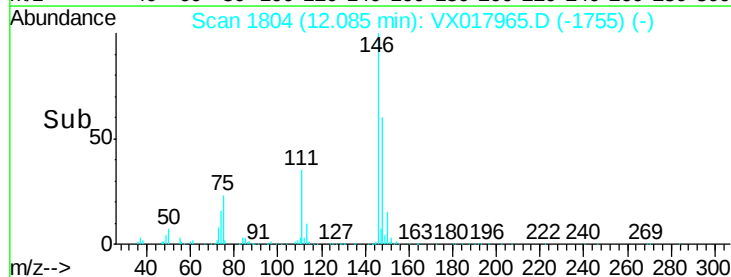
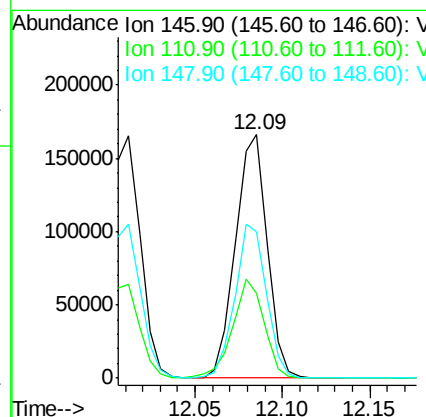
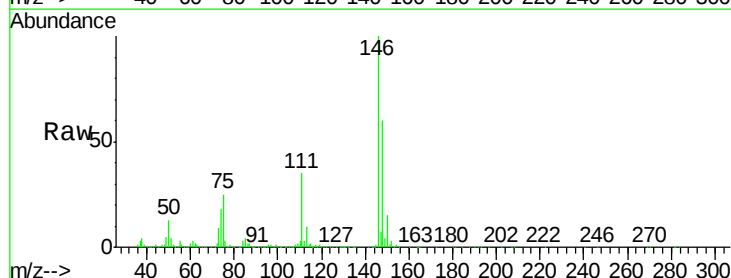
Manual Integrations
 APPROVED

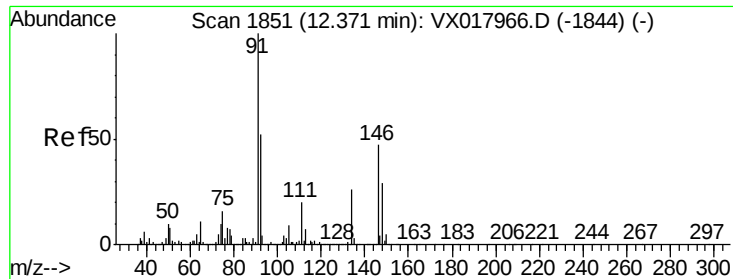
MMDadoda
 8/19/2020 8:53:40 AM



#88
 1,4-Dichlorobenzene
 Concen: 18.141 ug/l
 RT: 12.09 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VX017965.D
 Acq: 18 Aug 2020 18:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.7	19.7	59.1
148	63.1	31.9	95.7





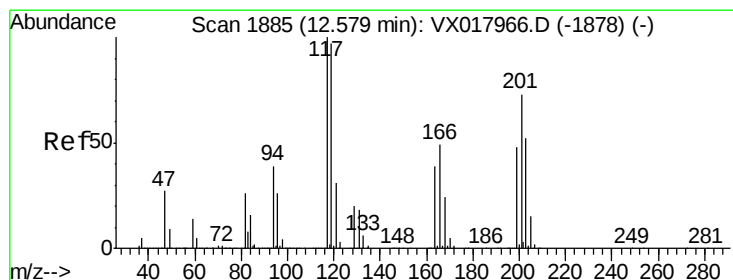
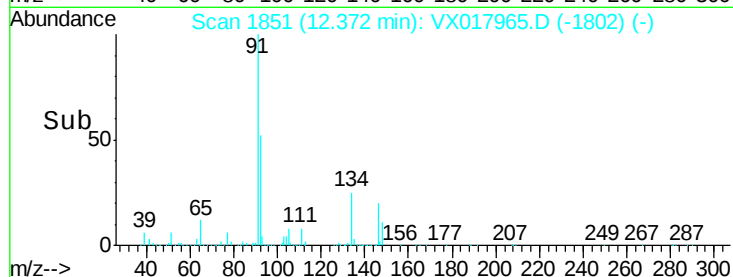
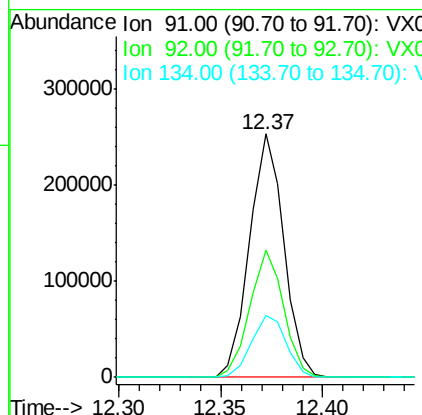
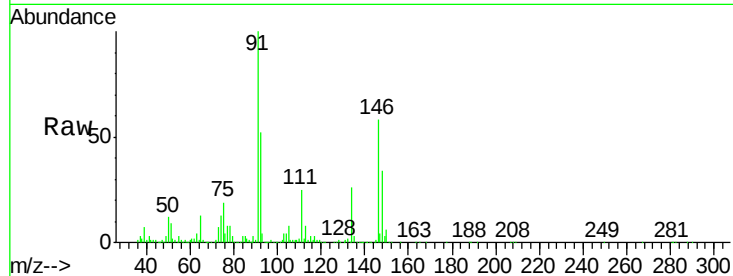
#89
n-Butylbenzene
Concen: 15.891 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. 0.00 min
Lab File: VX017965.D
Acq: 18 Aug 2020 18:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100	295963		
92	51.7		25.7	77.0
134	26.1		13.4	40.2

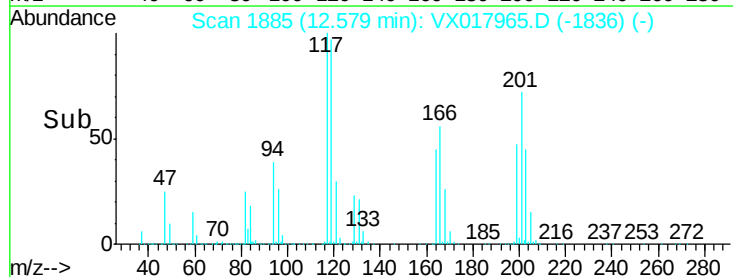
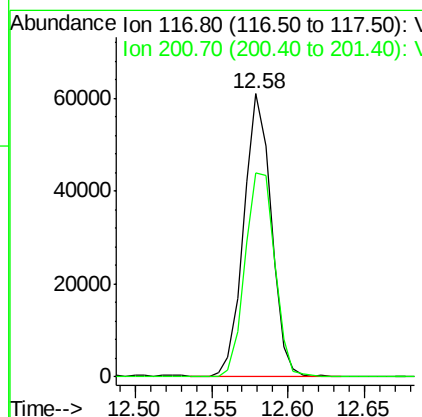
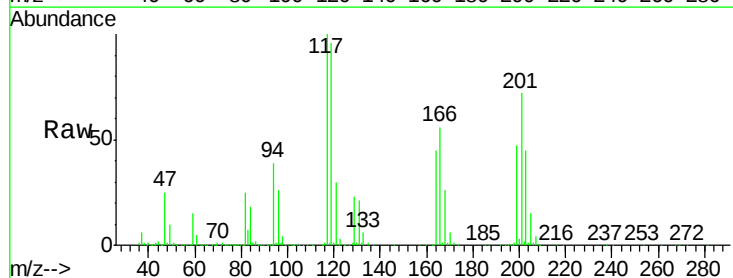
Manual Integrations
APPROVED

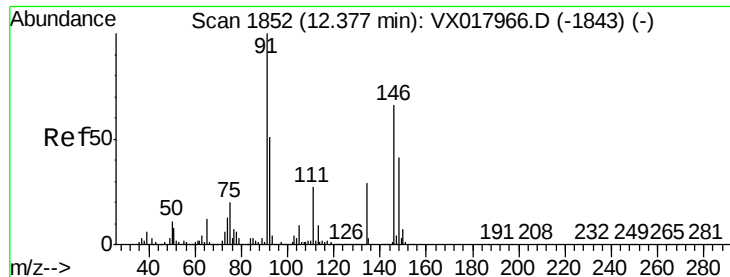
MMDadoda
8/19/2020 8:53:40 AM



#90
Hexachloroethane
Concen: 18.182 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX017965.D
Acq: 18 Aug 2020 18:35

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	75773		
201	78.6		40.8	122.2





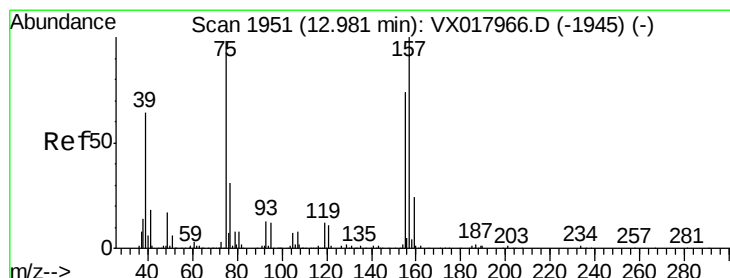
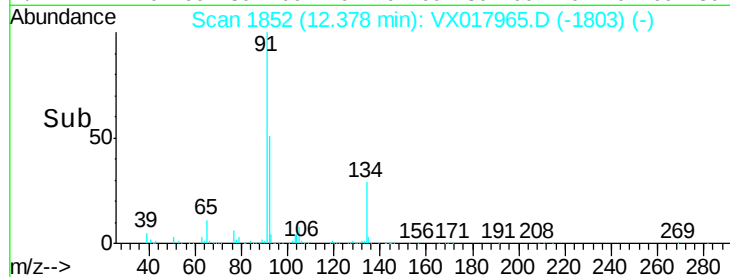
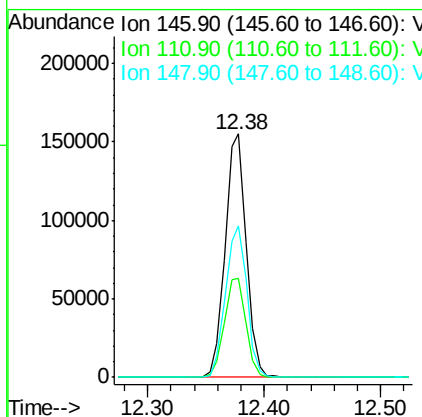
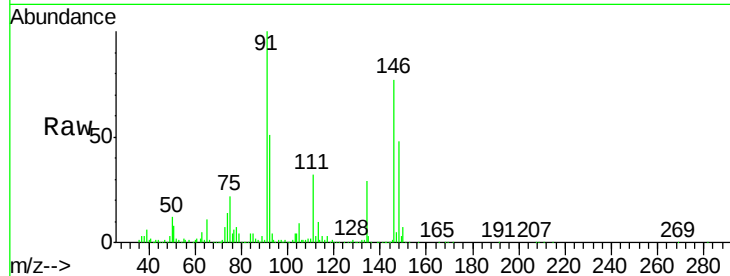
#91
 1,2-Dichlorobenzene
 Concen: 17.674 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VX017965.D
 Acq: 18 Aug 2020 18:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	193917		
111	41.5	20.6	61.9	
148	63.5	31.2	93.6	

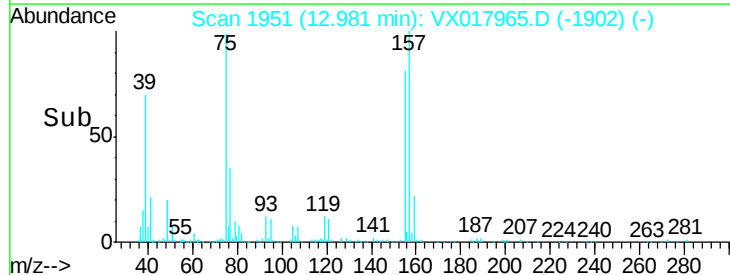
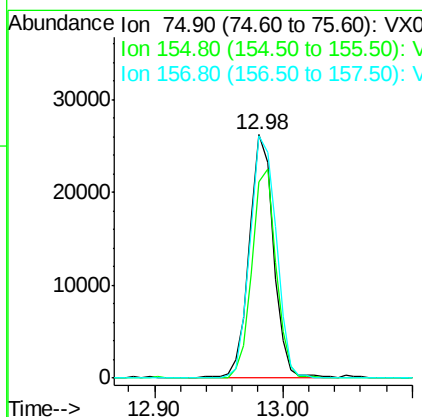
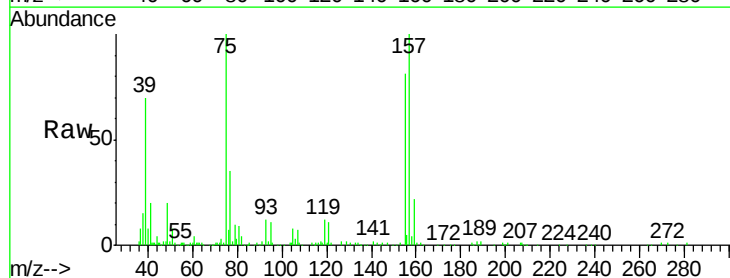
Manual Integrations
 APPROVED

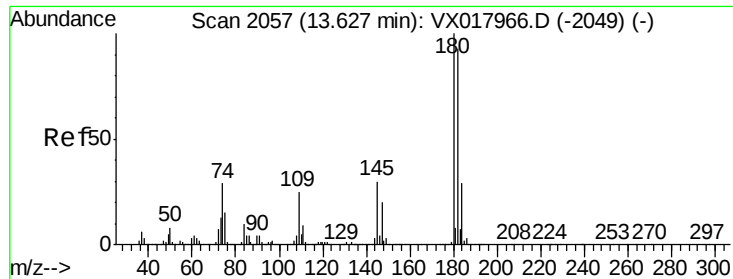
MMDadoda
 8/19/2020 8:53:40 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.837 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VX017965.D
 Acq: 18 Aug 2020 18:35

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	33935		
155	85.1	40.5	121.5	
157	106.9	54.4	163.2	





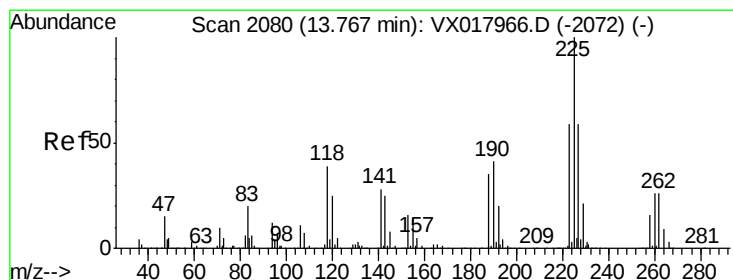
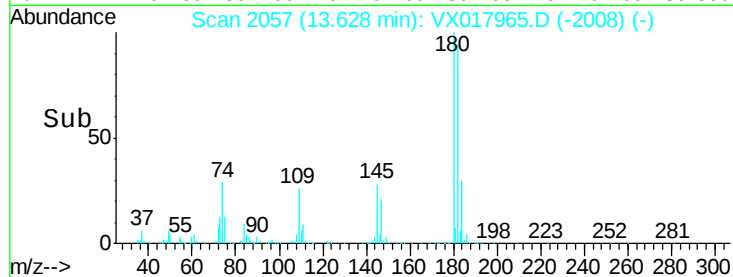
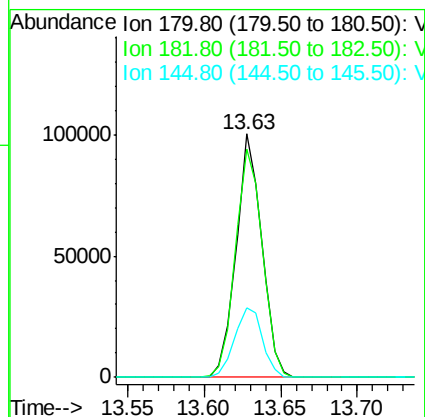
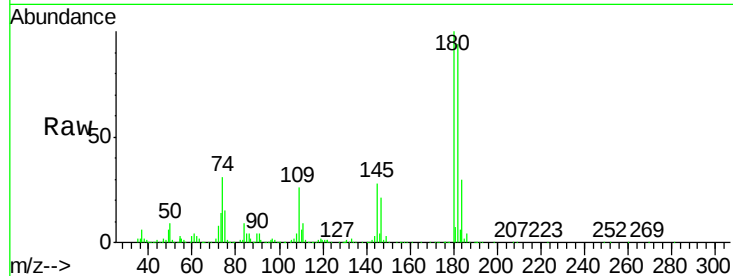
#93
 1,2,4-Trichlorobenzene
 Concen: 15.965 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX017965.D
 Acq: 18 Aug 2020 18:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion:	180	Resp:	117101
Ion Ratio	Lower	Upper	
180	100		
182	98.1	48.8	146.4
145	30.9	16.0	48.0

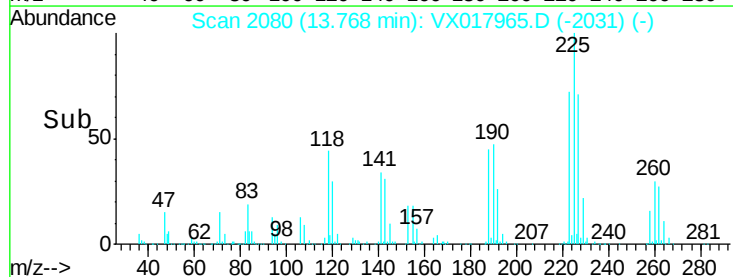
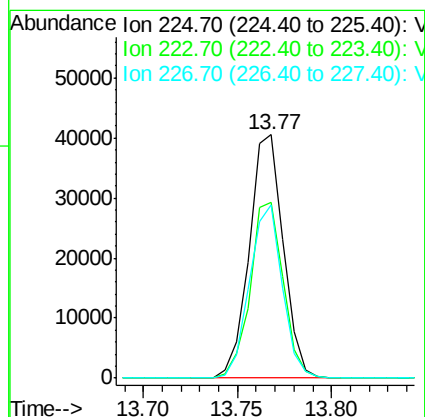
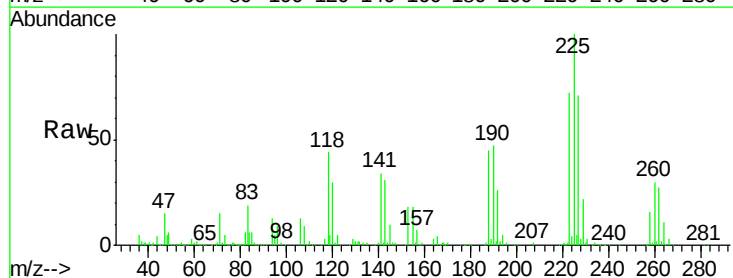
Manual Integrations
 APPROVED

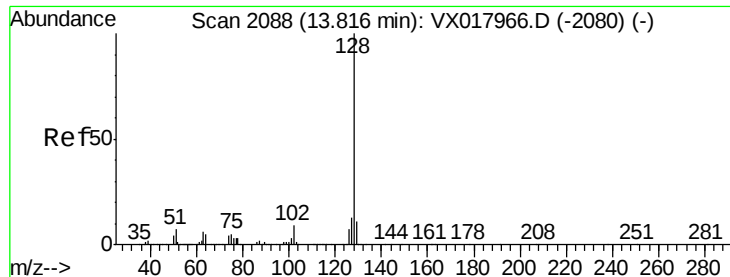
MMDadoda
 8/19/2020 8:53:40 AM



#94
 Hexachlorobutadiene
 Concen: 15.091 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VX017965.D
 Acq: 18 Aug 2020 18:35

Tgt Ion:	225	Resp:	50851
Ion Ratio	Lower	Upper	
225	100		
223	70.2	32.1	96.3
227	68.3	29.8	89.5





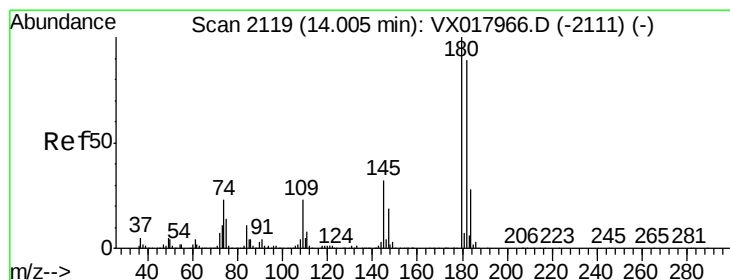
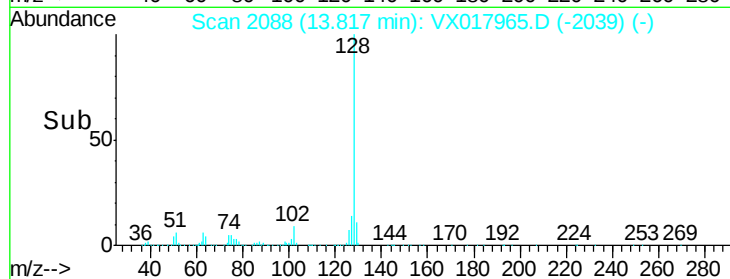
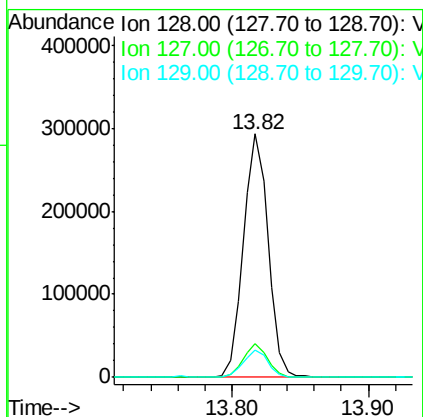
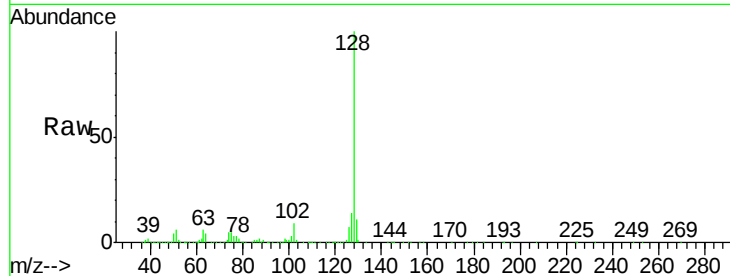
#95
Naphthalene
Concen: 16.850 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX017965.D
Acq: 18 Aug 2020 18:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.7	16.1
129	11.3	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
8/19/2020 8:53:40 AM



#96
1,2,3-Trichlorobenzene
Concen: 16.464 ug/l
RT: 14.00 min Scan# 2118
Delta R.T. -0.01 min
Lab File: VX017965.D
Acq: 18 Aug 2020 18:35

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.7	46.6	139.8
145	34.0	16.8	50.4

