

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120920\
 Data File : VX019807.D
 Acq On : 10 Dec 2020 03:48
 Operator : JC/MD
 Sample : L4993-06MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TU032-32-5226-120820MS

Manual Integrations
 APPROVED

MMDadoda
 12/10/2020 9:31:14 AM

Quant Time: Dec 10 07:21:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X120420W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 04 15:32:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	268673	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	443075	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.09	117	406303	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	202044	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	169871	48.11	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	96.22%
35) Dibromofluoromethane	5.46	113	138870	48.50	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	97.00%
50) Toluene-d8	8.70	98	531693	48.64	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	97.28%
62) 4-Bromofluorobenzene	11.12	95	198328	47.66	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	95.32%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	126896	51.588	ug/l	99
3) Chloromethane	1.31	50	130834	45.226	ug/l	100
4) Vinyl Chloride	1.39	62	158369	51.919	ug/l	99
5) Bromomethane	1.62	94	48358	47.746	ug/l	99
6) Chloroethane	1.70	64	100720	54.968	ug/l	96
7) Trichlorofluoromethane	1.91	101	223082	52.515	ug/l	97
8) Diethyl Ether	2.17	74	92328	51.289	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.36	101	131381	53.958	ug/l	99
10) Methyl Iodide	2.49	142	157059	43.761	ug/l	100
11) Tert butyl alcohol	3.01	59	177002	243.756	ug/l	100
12) 1,1-Dichloroethene	2.36	96	132174	53.694	ug/l	97
13) Acrolein	2.27	56	85421	219.157	ug/l	99
14) Allyl chloride	2.70	41	207199	49.838	ug/l	99
15) Acrylonitrile	3.11	53	438312	274.573	ug/l	100
16) Acetone	2.42	43	345997	260.683	ug/l	100
17) Carbon Disulfide	2.55	76	330671	46.816	ug/l	100
18) Methyl Acetate	2.75	43	168475	51.871	ug/l	100
19) Methyl tert-butyl Ether	3.17	73	476957	53.203	ug/l	100
20) Methylene Chloride	2.83	84	159931	52.862	ug/l	98
21) trans-1,2-Dichloroethene	3.14	96	148399	51.709	ug/l	97
22) Diisopropyl ether	3.82	45	450746	53.623	ug/l	93
23) Vinyl Acetate	3.78	43	1750579	244.448	ug/l	100
24) 1,1-Dichloroethane	3.67	63	268038	52.879	ug/l	100
25) 2-Butanone	4.63	43	550496	269.919	ug/l	99
26) 2,2-Dichloropropane	4.55	77	175567	40.220	ug/l	98
27) cis-1,2-Dichloroethene	4.56	96	172208	51.275	ug/l	98
28) Bromochloromethane	4.98	49	121275	50.188	ug/l	99
29) Tetrahydrofuran	5.09	42	355978	270.908	ug/l	100
30) Chloroform	5.17	83	275475	52.854	ug/l	99
31) Cyclohexane	5.54	56	225311	51.295	ug/l	100
32) 1,1,1-Trichloroethane	5.46	97	234754	52.301	ug/l	99
36) 1,1-Dichloropropene	5.76	75	198948	49.690	ug/l	99
37) Ethyl Acetate	4.79	43	193603	47.892	ug/l	100
38) Carbon Tetrachloride	5.75	117	201596	51.418	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX120920\
 Data File : VX019807.D
 Acq On : 10 Dec 2020 03:48
 Operator : JC/MD
 Sample : L4993-06MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TU032-32-5226-120820MS

Manual Integrations
 APPROVED

MMDadoda
 12/10/2020 9:31:14 AM

Quant Time: Dec 10 07:21:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X120420W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 04 15:32:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	230609	49.024	ug/l	99
40) Benzene	6.11	78	625086	51.109	ug/l	100
41) Methacrylonitrile	5.00	41	117797	53.074	ug/l	99
42) 1,2-Dichloroethane	6.16	62	216445	51.797	ug/l	100
43) Isopropyl Acetate	6.41	43	319974	48.686	ug/l	100
44) Trichloroethene	7.18	130	159428	49.682	ug/l	99
45) 1,2-Dichloropropane	7.49	63	158582	51.880	ug/l	98
46) Dibromomethane	7.63	93	107495	52.075	ug/l	99
47) Bromodichloromethane	7.87	83	214830	52.448	ug/l	98
48) Methyl methacrylate	7.74	41	169126	52.324	ug/l	99
49) 1,4-Dioxane	7.71	88	72979	932.026	ug/l	100
51) 4-Methyl-2-Pentanone	8.62	43	1072794	267.358	ug/l	100
52) Toluene	8.76	92	393523	51.445	ug/l	98
53) t-1,3-Dichloropropene	9.02	75	224303	49.347	ug/l	98
54) cis-1,3-Dichloropropene	8.41	75	244195	49.451	ug/l	97
55) 1,1,2-Trichloroethane	9.20	97	162482	52.710	ug/l	99
56) Ethyl methacrylate	9.16	69	246502	52.854	ug/l	99
57) 1,3-Dichloropropane	9.35	76	272704	51.810	ug/l	99
59) 2-Hexanone	9.47	43	819397	263.449	ug/l	100
60) Dibromochloromethane	9.56	129	166496	53.162	ug/l	100
61) 1,2-Dibromoethane	9.65	107	169405	51.753	ug/l	100
64) Tetrachloroethene	9.32	164	138783	50.934	ug/l	98
65) Chlorobenzene	10.12	112	409300	50.564	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.20	131	154112	52.896	ug/l	99
67) Ethyl Benzene	10.23	91	742800	51.697	ug/l	98
68) m/p-Xylenes	10.34	106	557345	102.941	ug/l	99
69) o-Xylene	10.68	106	270623	51.961	ug/l	99
70) Styrene	10.70	104	462221	52.580	ug/l	100
71) Bromoform	10.84	173	121755	53.122	ug/l	99
73) Isopropylbenzene	11.00	105	723377	52.405	ug/l	99
74) N-amyl acetate	10.88	43	260143	47.028	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.25	83	257797	52.973	ug/l	99
76) 1,2,3-Trichloropropane	11.28	75	236156m	52.114	ug/l	
77) Bromobenzene	11.24	156	182076	51.543	ug/l	98
78) n-propylbenzene	11.34	91	818976	51.947	ug/l	100
79) 2-Chlorotoluene	11.40	91	499929	51.492	ug/l	99
80) 1,3,5-Trimethylbenzene	11.49	105	606305	52.044	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.05	75	74856	47.754	ug/l	98
82) 4-Chlorotoluene	11.49	91	585848	51.522	ug/l	100
83) tert-Butylbenzene	11.76	119	589095	51.559	ug/l	98
84) 1,2,4-Trimethylbenzene	11.79	105	614980	52.405	ug/l	99
85) sec-Butylbenzene	11.93	105	678147	51.986	ug/l	100
86) p-Isopropyltoluene	12.05	119	620678	51.917	ug/l	99
87) 1,3-Dichlorobenzene	12.01	146	323798	49.942	ug/l	100
88) 1,4-Dichlorobenzene	12.08	146	325385	49.275	ug/l	100
89) n-Butylbenzene	12.37	91	534503	50.463	ug/l	99
90) Hexachloroethane	12.58	117	106236	51.470	ug/l	98
91) 1,2-Dichlorobenzene	12.37	146	320401	50.695	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.98	75	55763	53.300	ug/l	99
93) 1,2,4-Trichlorobenzene	13.63	180	211592	51.430	ug/l	99

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX120920\
Data File : VX019807.D
Acq On : 10 Dec 2020 03:48
Operator : JC/MD
Sample : L4993-06MS
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 44 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TU032-32-5226-120820MS

Manual Integrations
APPROVED

MMDadoda
12/10/2020 9:31:14 AM

Quant Time: Dec 10 07:21:51 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X120420W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 04 15:32:53 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.76	225	86352	46.960	ug/l	99
95) Naphthalene	13.82	128	714267	53.551	ug/l	100
96) 1,2,3-Trichlorobenzene	14.00	180	205592	51.133	ug/l	100

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

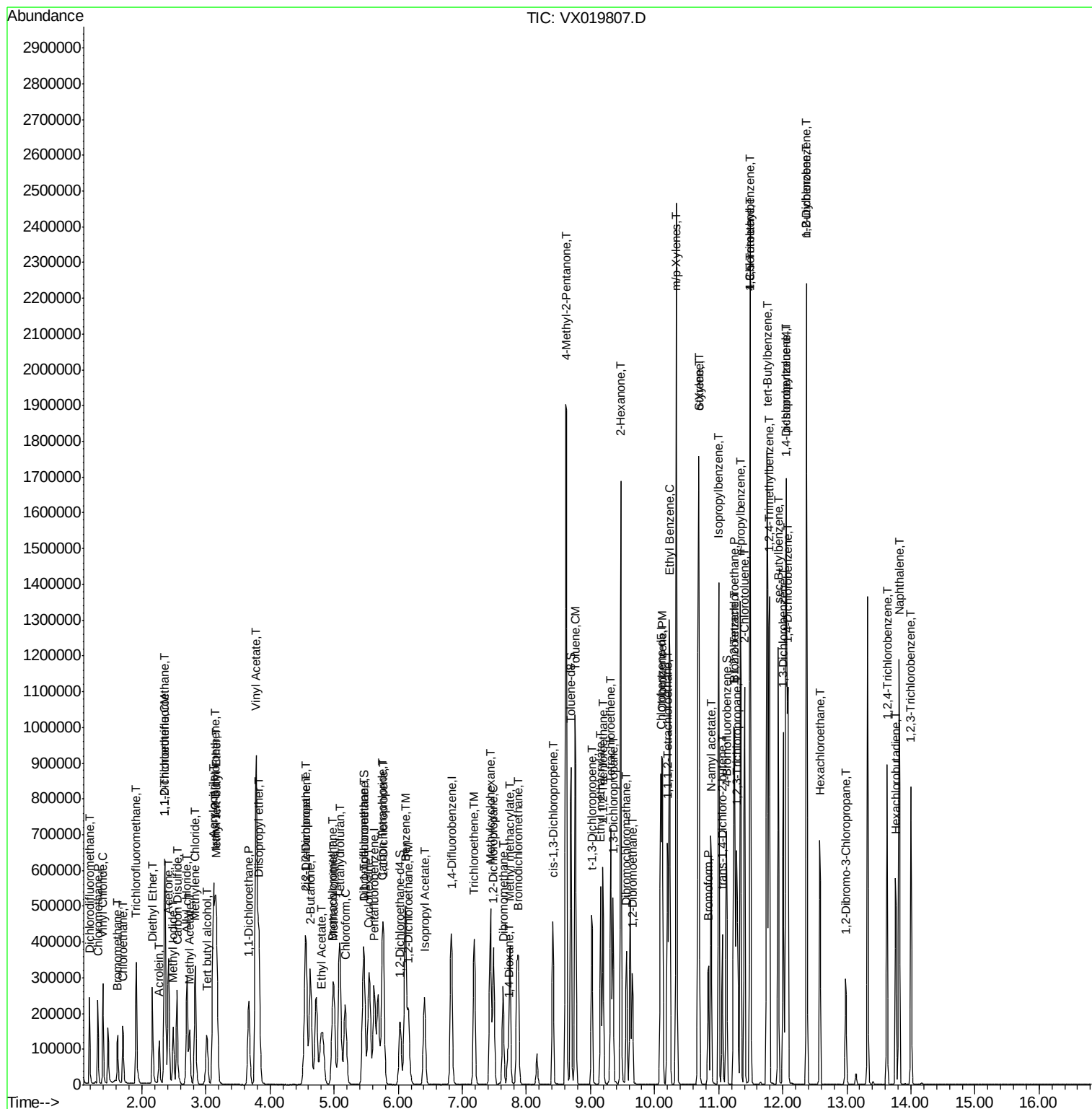
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX120920\
Data File : VX019807.D
Acq On : 10 Dec 2020 03:48
Operator : JC/MD
Sample : L4993-06MS
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 44 Sample Multiplier: 1

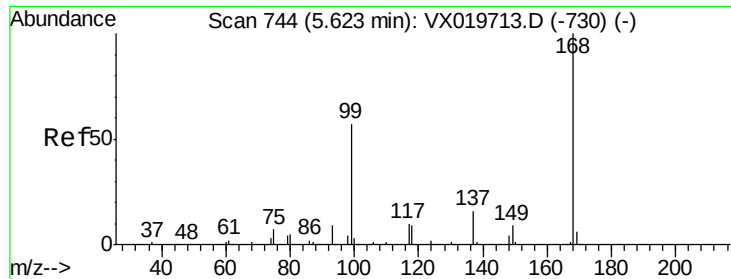
Instrument :
MSVOA_X
ClientSampleId :
TU032-32-5226-120820MS

Manual Integrations
APPROVED

MMDadoda
12/10/2020 9:31:14 AM

Quant Time: Dec 10 07:21:51 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X120420W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 04 15:32:53 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.01 min

Lab File: VX019807.D

Acq: 10 Dec 2020 03:48

Instrument :

MSVOA_X

ClientSampleId :

TU032-32-5226-120820MS

Tot Ion:168 Resp: 268673

Ion Ratio Lower Upper

168 100

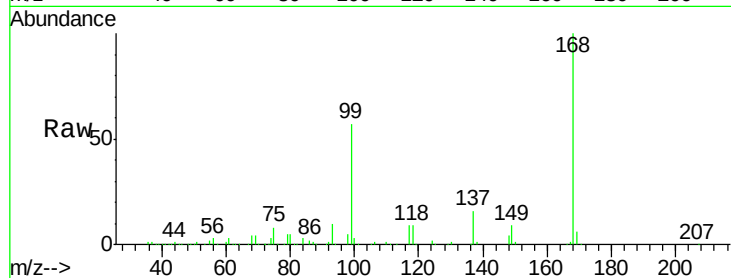
99 56.6 45.8 68.6

Manual Integrations

APPROVED

MMDadoda

12/10/2020 9:31:14 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

100000

80000

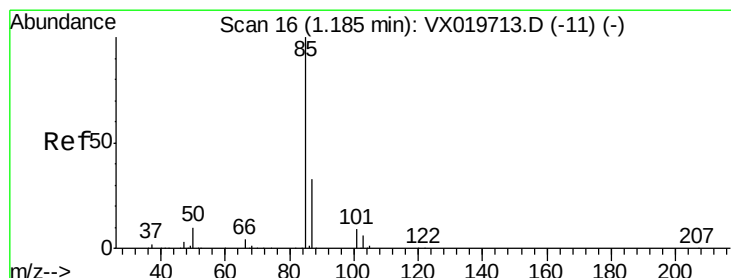
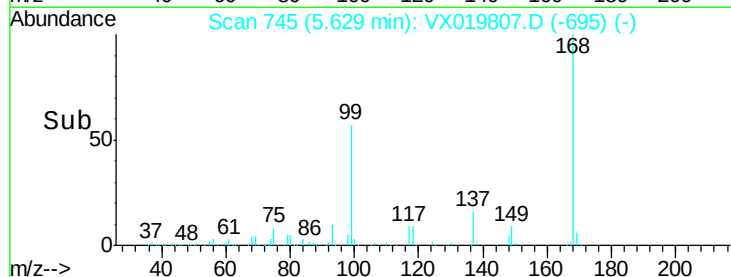
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 51.588 ug/l

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX019807.D

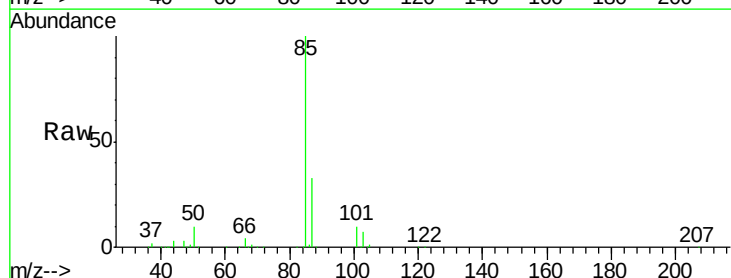
Acq: 10 Dec 2020 03:48

Tgt Ion: 85 Resp: 126896

Ion Ratio Lower Upper

85 100

87 33.4 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.18

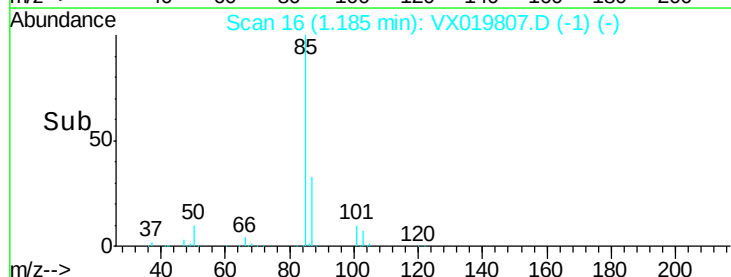
150000

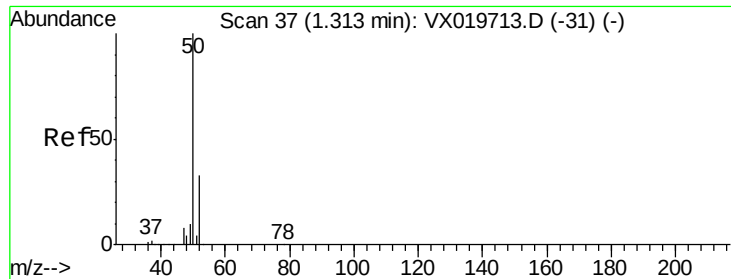
100000

50000

0

Time-->





#3

Chloromethane

Concen: 45.226 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX019807.D

Acq: 10 Dec 2020 03:48

Instrument :

MSVOA_X

ClientSampleId :

TU032-32-5226-120820MS

Tot Ion: 50 Resp: 130834

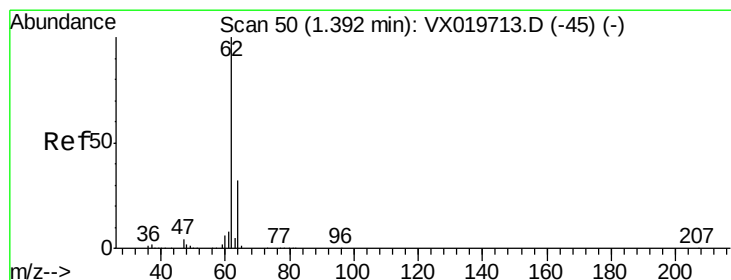
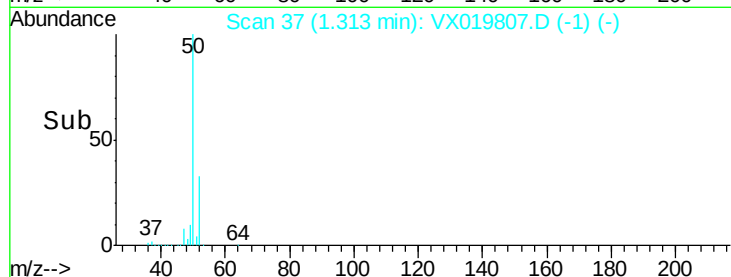
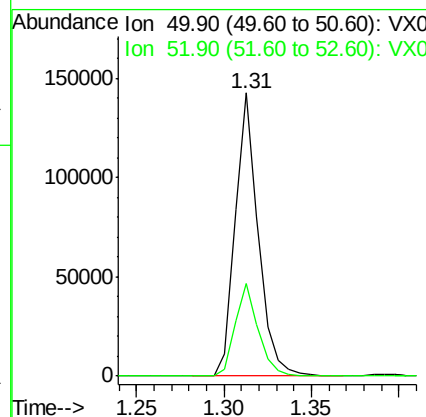
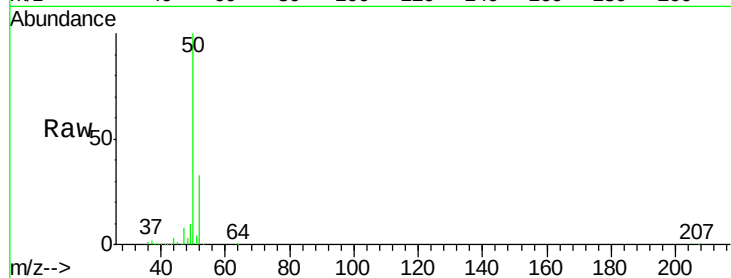
Ion Ratio Lower Upper

50 100

52 32.8 26.4 39.6

Manual Integrations
APPROVED

MMDadoda
12/10/2020 9:31:14 AM



#4

Vinyl Chloride

Concen: 51.919 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX019807.D

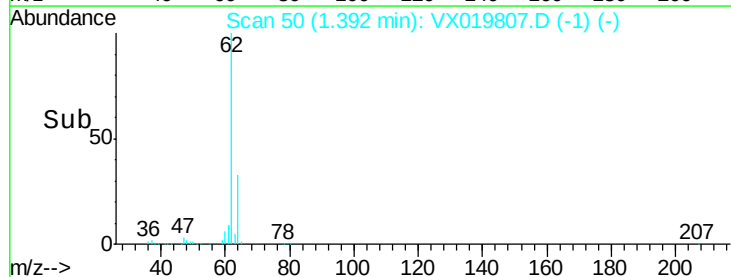
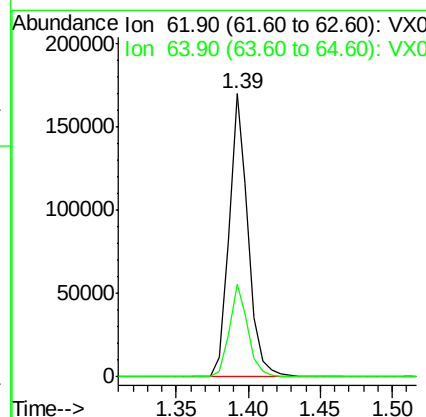
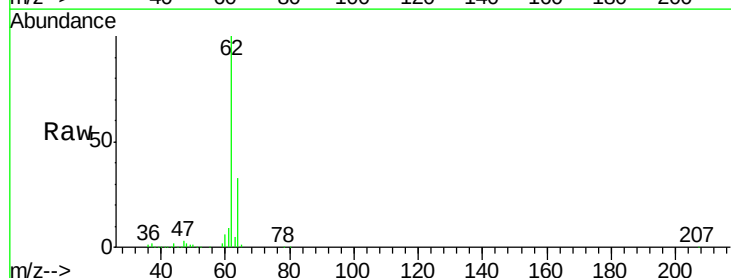
Acq: 10 Dec 2020 03:48

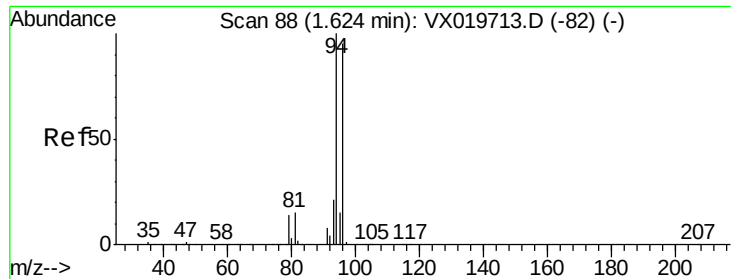
Tgt Ion: 62 Resp: 158369

Ion Ratio Lower Upper

62 100

64 32.9 25.7 38.5





#5

Bromomethane

Concen: 47.746 ug/l

RT: 1.62 min Scan# 88

Delta R.T. 0.00 min

Lab File: VX019807.D

Acq: 10 Dec 2020 03:48

Instrument :

MSVOA_X

ClientSampleId :

TU032-32-5226-120820MS

Tot Ion: 94 Resp: 48358

Ion Ratio Lower Upper

94 100

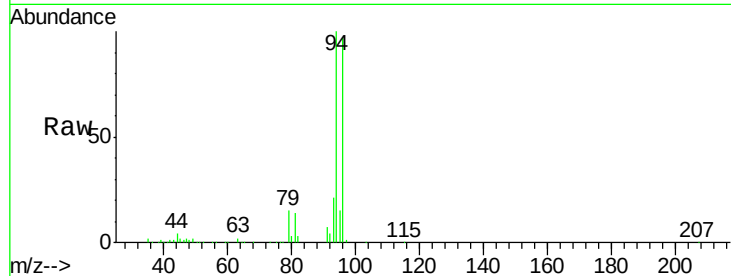
96 96.6 76.4 114.6

Manual Integrations

APPROVED

MMDadoda

12/10/2020 9:31:14 AM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.62

50000

40000

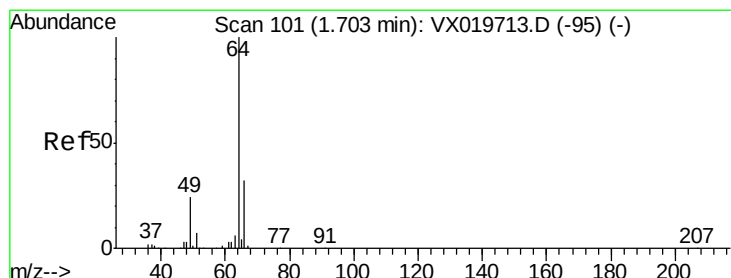
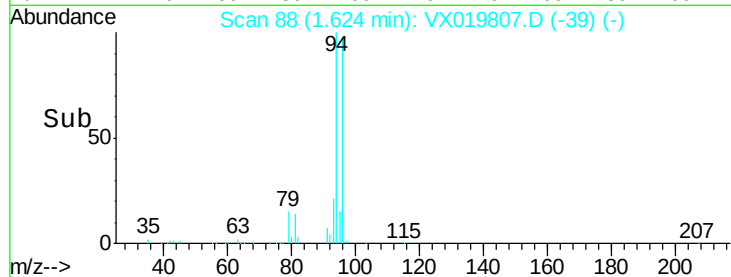
30000

20000

10000

0

Time-->



#6

Chloroethane

Concen: 54.968 ug/l

RT: 1.70 min Scan# 101

Delta R.T. -0.00 min

Lab File: VX019807.D

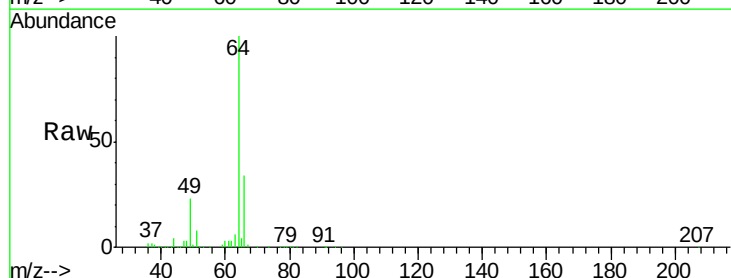
Acq: 10 Dec 2020 03:48

Tgt Ion: 64 Resp: 100720

Ion Ratio Lower Upper

64 100

66 33.8 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.70

80000

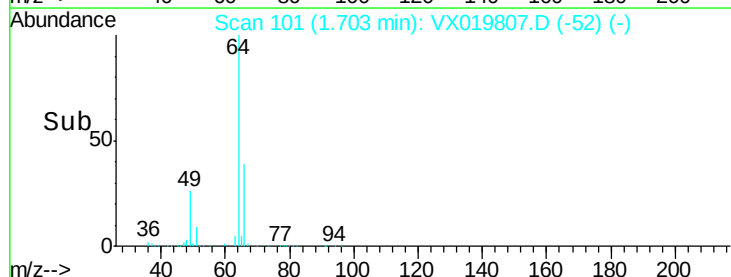
60000

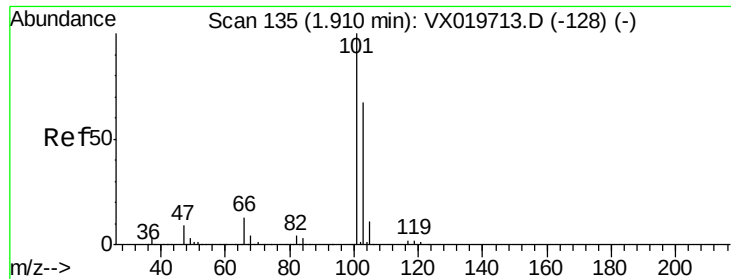
40000

20000

0

Time-->





#7

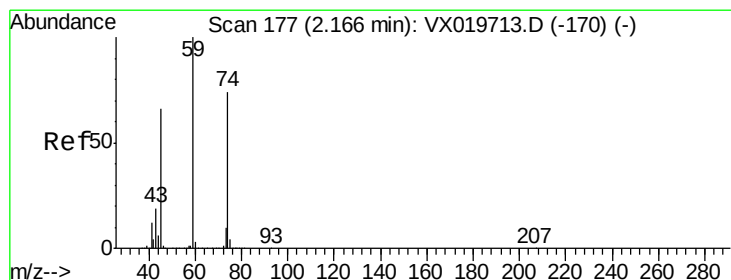
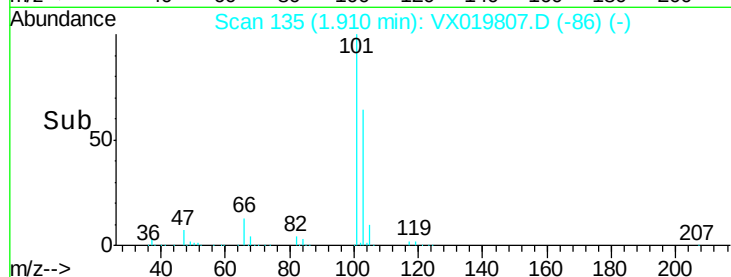
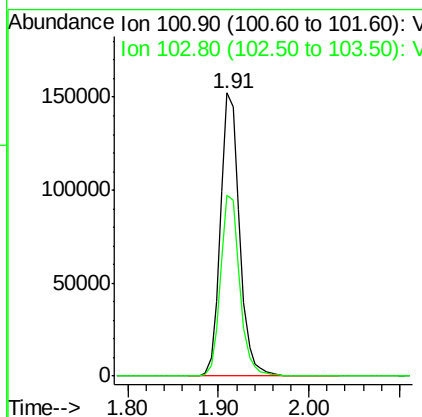
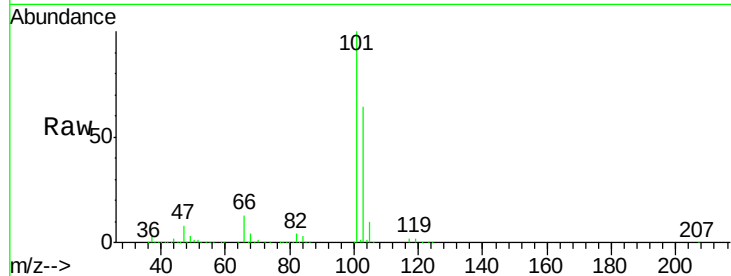
Trichlorofluoromethane
Concen: 52.515 ug/l
RT: 1.91 min Scan# 135
Delta R.T. -0.00 min
Lab File: VX019807.D
Acq: 10 Dec 2020 03:48

Instrument :
MSVOA_X
ClientSampleId :
TU032-32-5226-120820MS

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.9	53.2	79.8

Manual Integrations
APPROVED

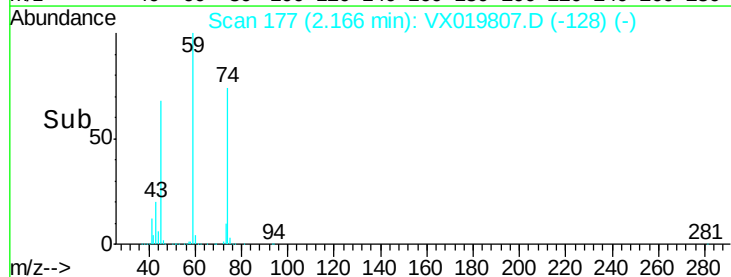
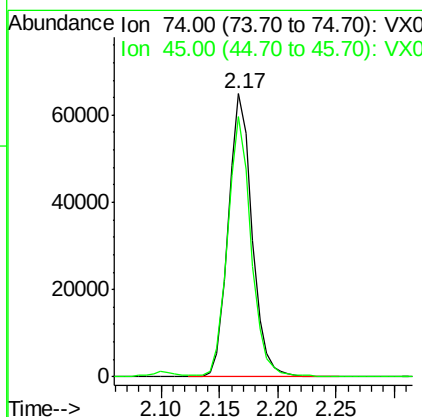
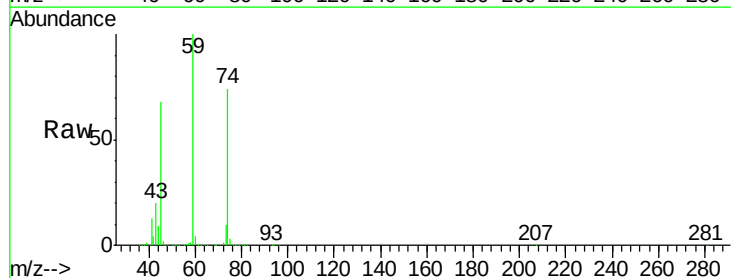
MMDadoda
12/10/2020 9:31:14 AM

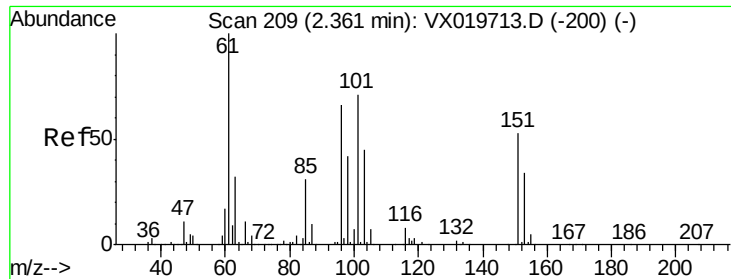


#8

Diethyl Ether
Concen: 51.289 ug/l
RT: 2.17 min Scan# 177
Delta R.T. -0.00 min
Lab File: VX019807.D
Acq: 10 Dec 2020 03:48

Tgt Ion	Ratio	Lower	Upper
74	100		
45	89.9	44.5	133.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.958 ug/l

RT: 2.36 min Scan# 209

Delta R.T. -0.00 min

Lab File: VX019807.D

Acq: 10 Dec 2020 03:48

Instrument :

MSVOA_X

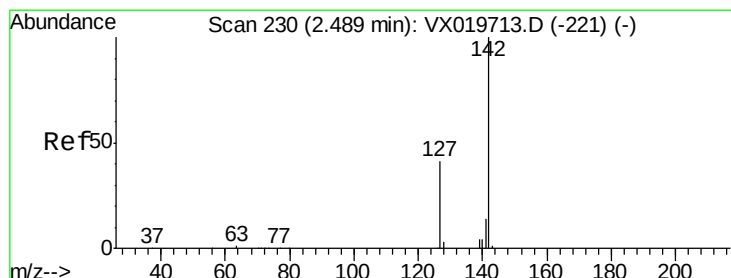
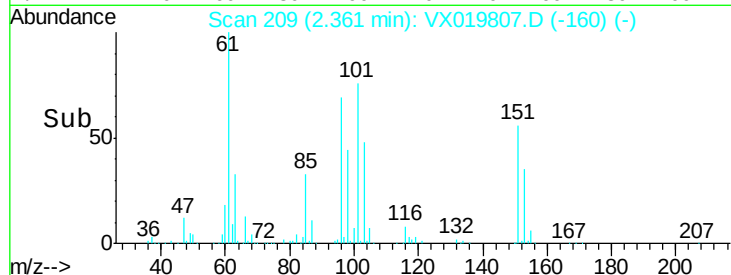
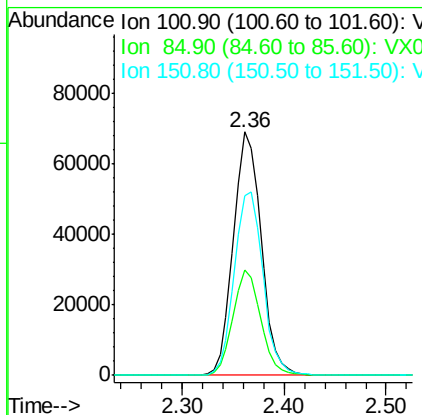
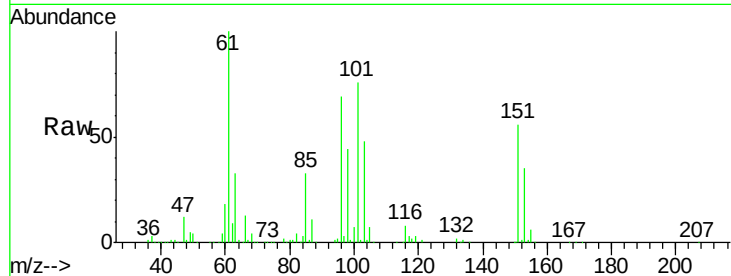
ClientSampleId :

TU032-32-5226-120820MS

Tot Ion:	101	Resp:	131381
Ion Ratio	Lower	Upper	
101	100		
85	42.8	34.9	52.3
151	77.3	61.4	92.2

Manual Integrations
APPROVED

MMDadoda
12/10/2020 9:31:14 AM



#10

Methyl Iodide

Concen: 43.761 ug/l

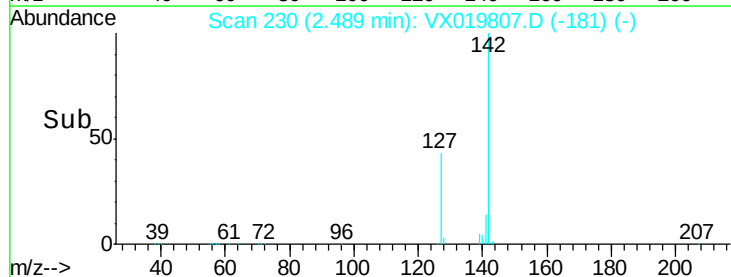
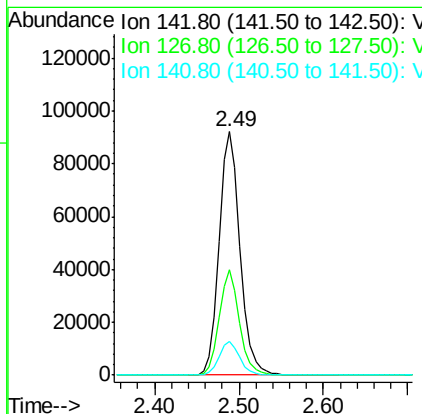
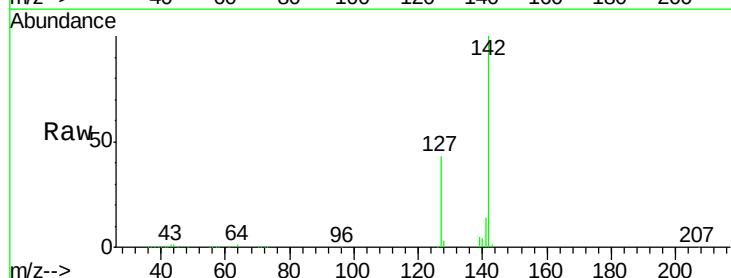
RT: 2.49 min Scan# 230

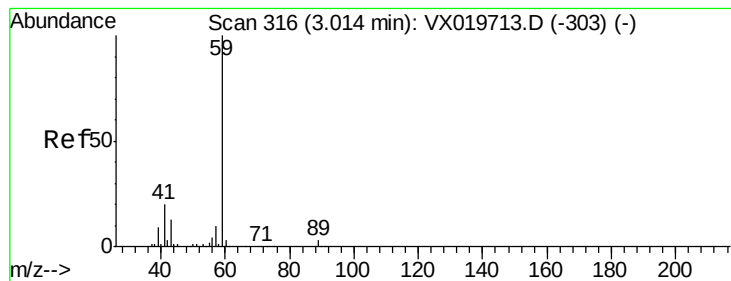
Delta R.T. -0.00 min

Lab File: VX019807.D

Acq: 10 Dec 2020 03:48

Tgt Ion:	142	Resp:	157059
Ion Ratio	Lower	Upper	
142	100		
127	41.6	33.3	49.9
141	13.6	11.4	17.0





#11

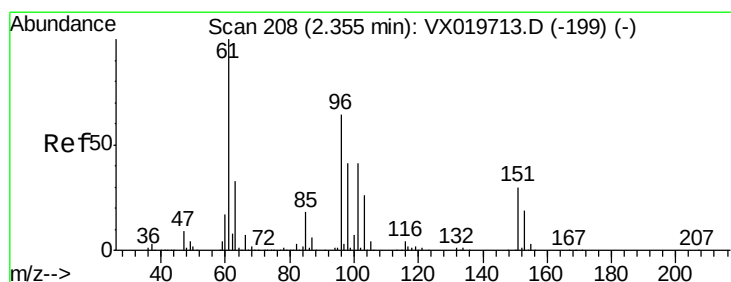
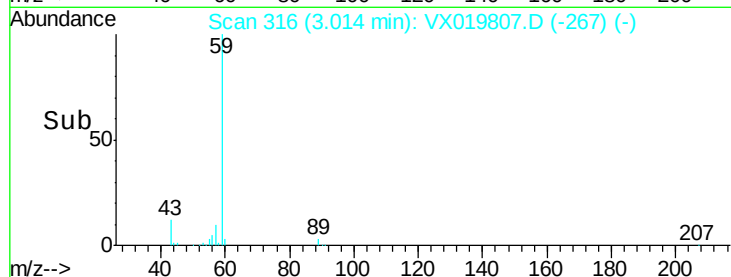
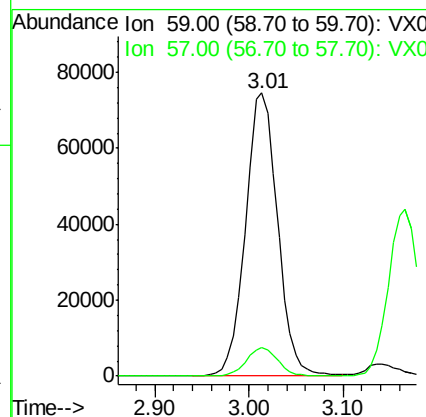
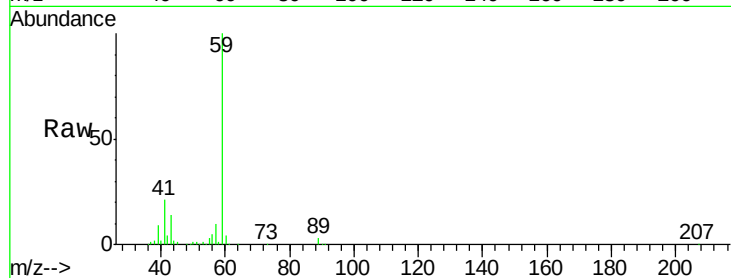
Tert butyl alcohol
Concen: 243.756 ug/l
RT: 3.01 min Scan# 316
Delta R.T. 0.00 min
Lab File: VX019807.D
Acq: 10 Dec 2020 03:48

Instrument :
MSVOA_X
ClientSampleId :
TU032-32-5226-120820MS

Tot Ion: 59 Resp: 177002
Ion Ratio Lower Upper
59 100
57 9.9 7.8 11.8

Manual Integrations
APPROVED

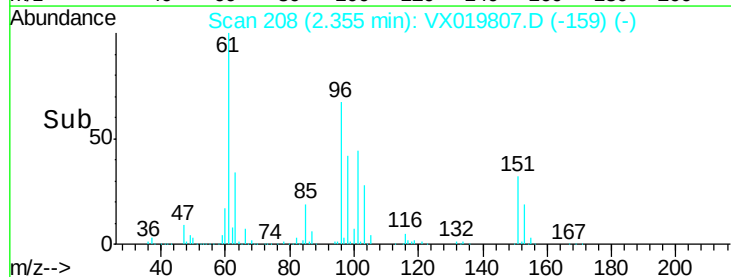
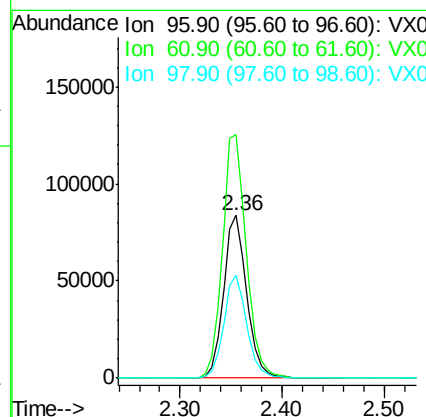
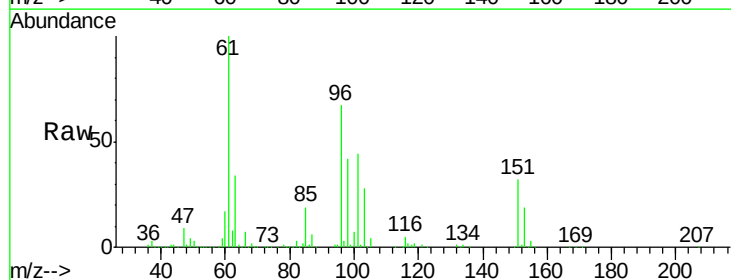
MMDadoda
12/10/2020 9:31:14 AM

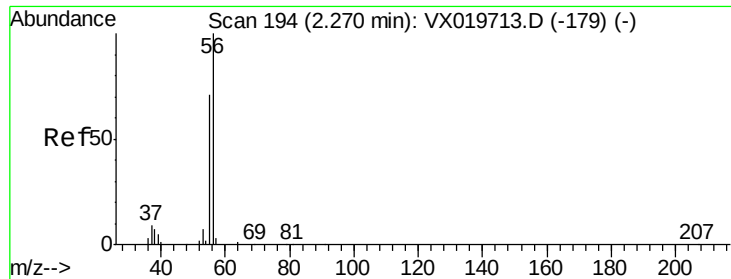


#12

1,1-Dichloroethene
Concen: 53.694 ug/l
RT: 2.36 min Scan# 208
Delta R.T. -0.00 min
Lab File: VX019807.D
Acq: 10 Dec 2020 03:48

Tgt Ion: 96 Resp: 132174
Ion Ratio Lower Upper
96 100
61 149.8 124.6 187.0
98 63.0 50.6 76.0





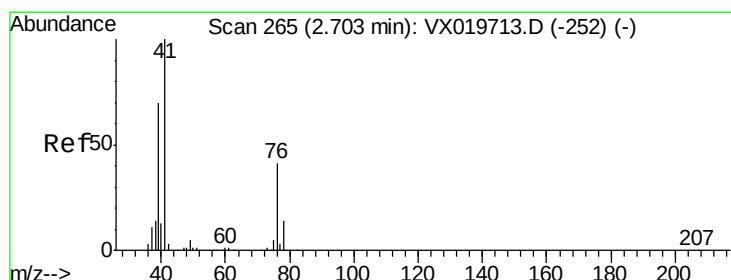
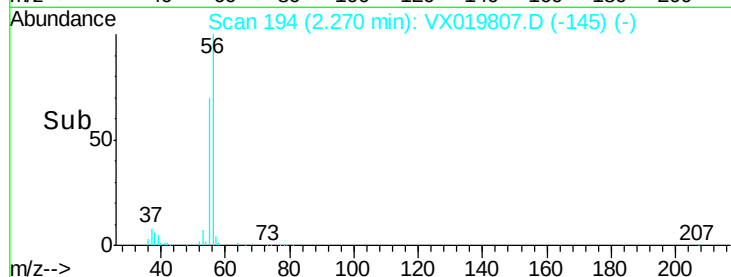
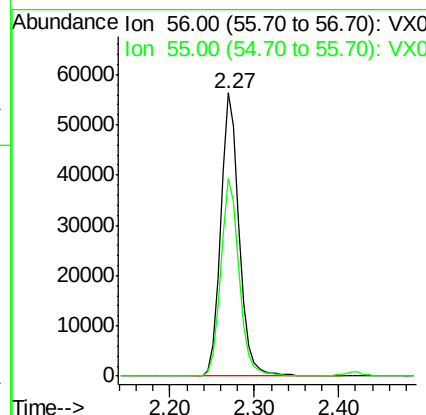
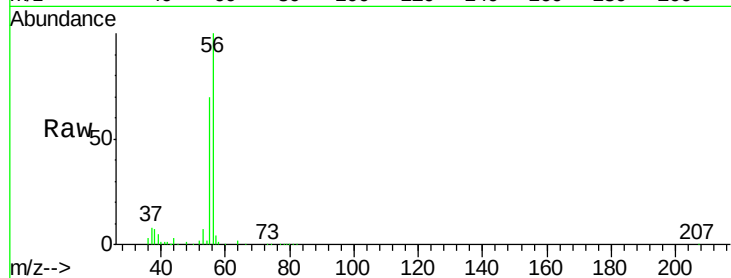
#13
Acrolein
Concen: 219.157 ug/l
RT: 2.27 min Scan# 194
Delta R.T. -0.00 min
Lab File: VX019807.D
Acq: 10 Dec 2020 03:48

Instrument :
MSVOA_X
ClientSampleId :
TU032-32-5226-120820MS

Tot Ion	Ratio	Lower	Upper
56	100		
55	69.9	56.4	84.6

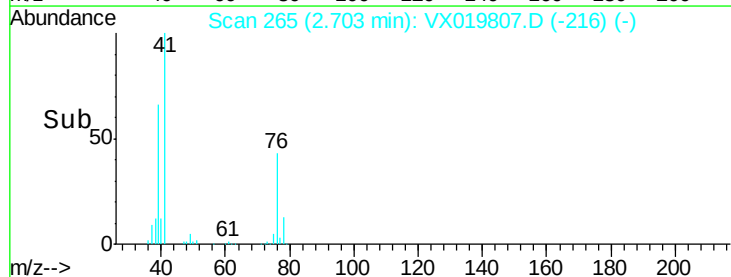
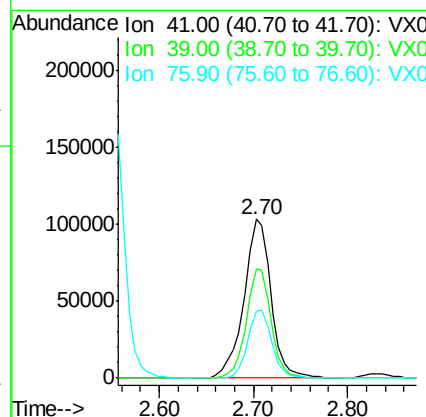
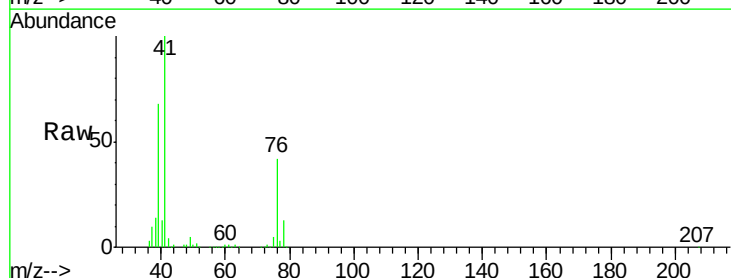
Manual Integrations
APPROVED

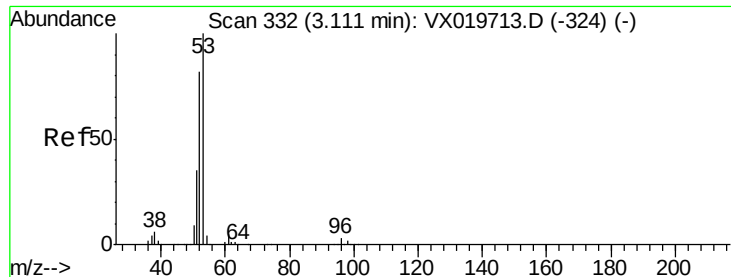
MMDadoda
12/10/2020 9:31:14 AM



#14
Allyl chloride
Concen: 49.838 ug/l
RT: 2.70 min Scan# 265
Delta R.T. -0.00 min
Lab File: VX019807.D
Acq: 10 Dec 2020 03:48

Tgt Ion	Ratio	Lower	Upper
41	100		
39	63.3	51.6	77.4
76	38.1	30.5	45.7





#15

Acrylonitrile

Concen: 274.573 ug/l

RT: 3.11 min Scan# 332

Delta R.T. -0.00 min

Lab File: VX019807.D

Acq: 10 Dec 2020 03:48

Instrument :

MSVOA_X

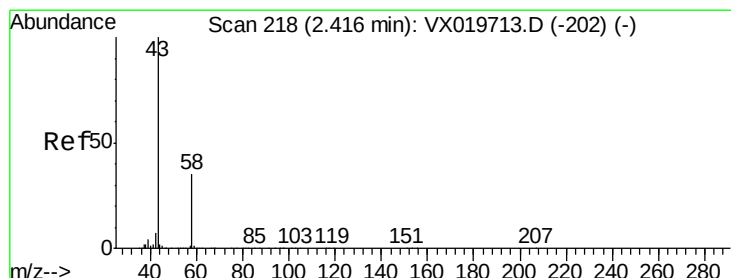
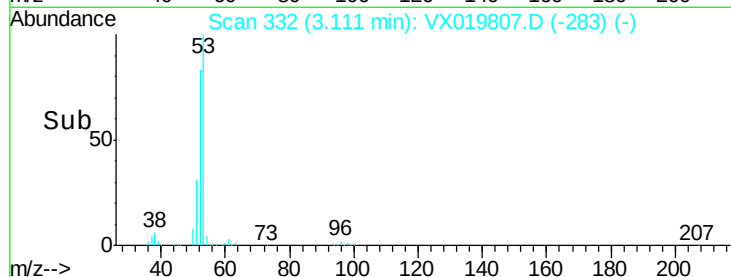
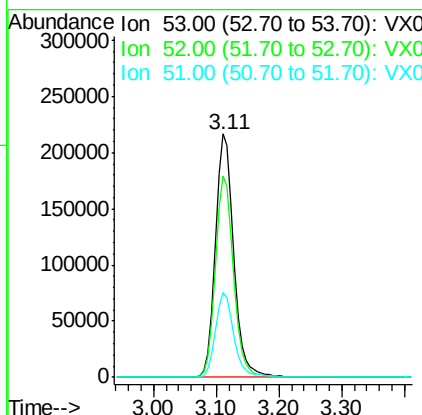
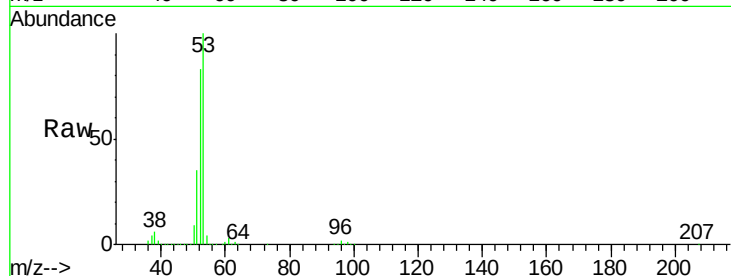
ClientSampleId :

TU032-32-5226-120820MS

Tot Ion:	53	Resp:	438312
Ion	Ratio	Lower	Upper
53	100		
52	81.7	65.3	97.9
51	35.0	28.2	42.2

Manual Integrations
APPROVED

MMDadoda
12/10/2020 9:31:14 AM



#16

Acetone

Concen: 260.683 ug/l

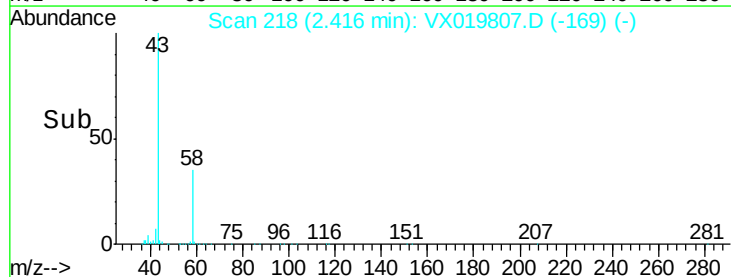
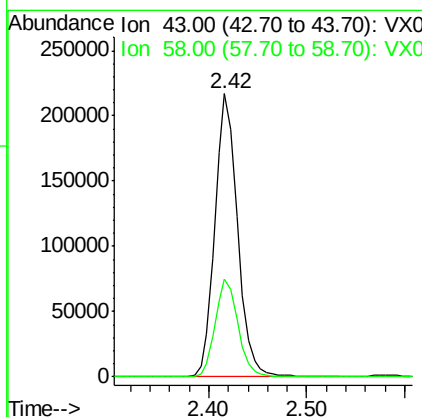
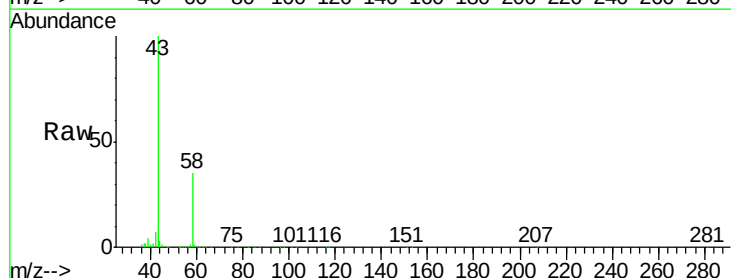
RT: 2.42 min Scan# 218

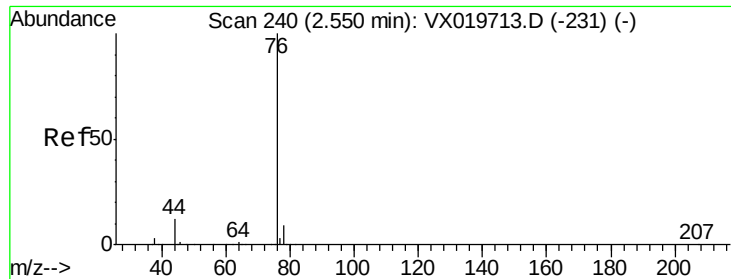
Delta R.T. -0.00 min

Lab File: VX019807.D

Acq: 10 Dec 2020 03:48

Tgt Ion:	43	Resp:	345997
Ion	Ratio	Lower	Upper
43	100		
58	34.6	27.8	41.8





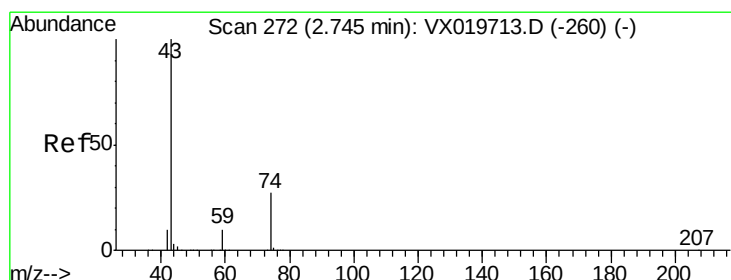
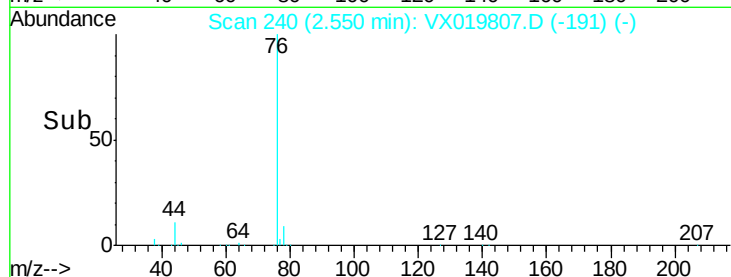
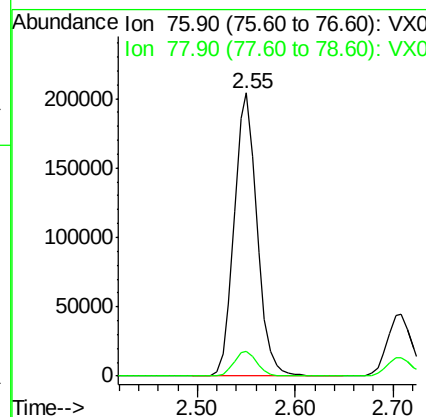
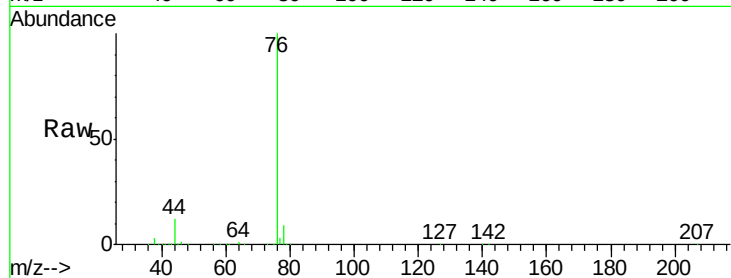
#17
Carbon Disulfide
Concen: 46.816 ug/l
RT: 2.55 min Scan# 240
Delta R.T. -0.00 min
Lab File: VX019807.D
Acq: 10 Dec 2020 03:48

Instrument :
MSVOA_X
ClientSampleId :
TU032-32-5226-120820MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.2	10.8

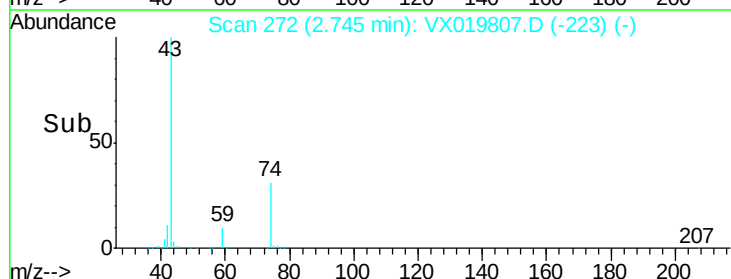
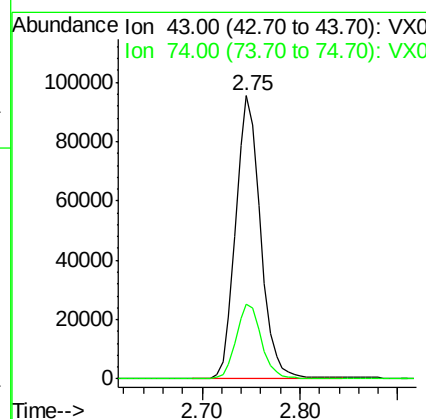
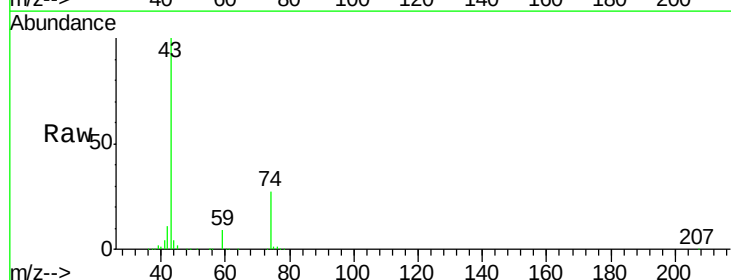
Manual Integrations
APPROVED

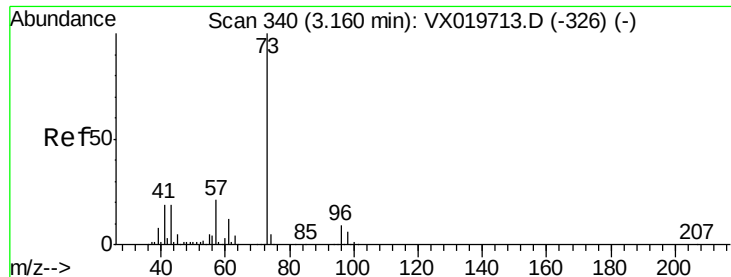
MMDadoda
12/10/2020 9:31:14 AM



#18
Methyl Acetate
Concen: 51.871 ug/l
RT: 2.75 min Scan# 272
Delta R.T. -0.00 min
Lab File: VX019807.D
Acq: 10 Dec 2020 03:48

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.5	21.9	32.9





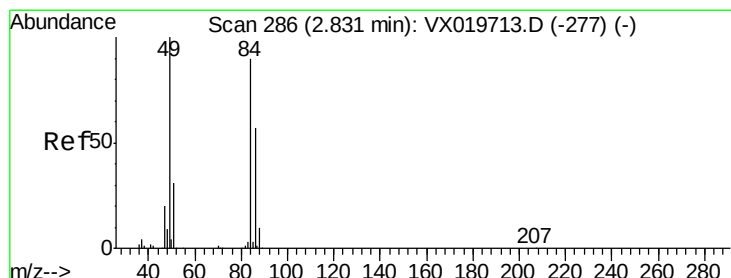
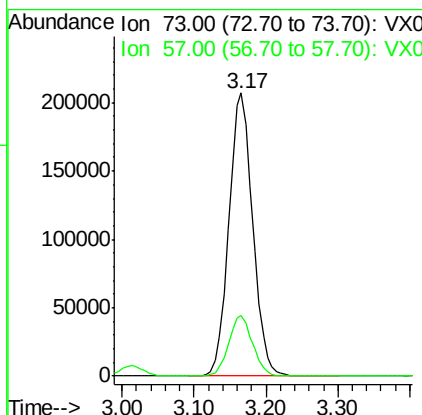
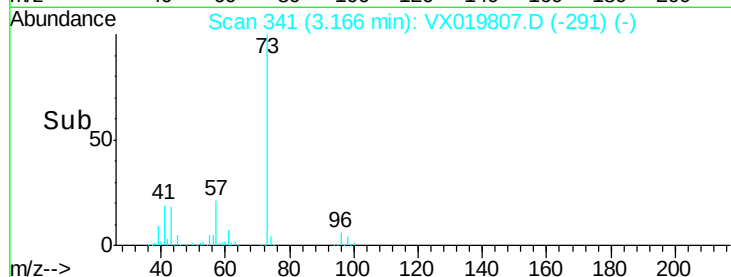
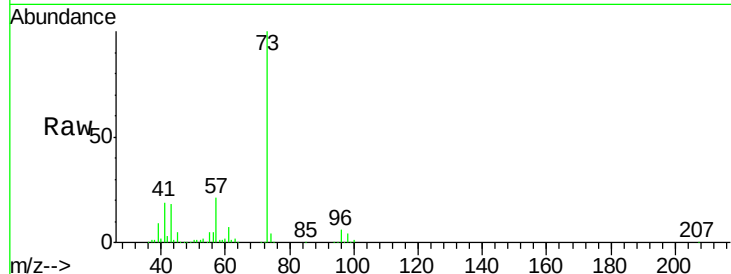
#19
Methyl tert-butyl Ether
Concen: 53.203 ug/l
RT: 3.17 min Scan# 341
Delta R.T. 0.01 min
Lab File: VX019807.D
Acq: 10 Dec 2020 03:48

Instrument :
MSVOA_X
ClientSampleId :
TU032-32-5226-120820MS

Tot Ion	73	Resp	476957
Ion Ratio	100	Lower	Upper
73	100		
57	21.2	17.1	25.7

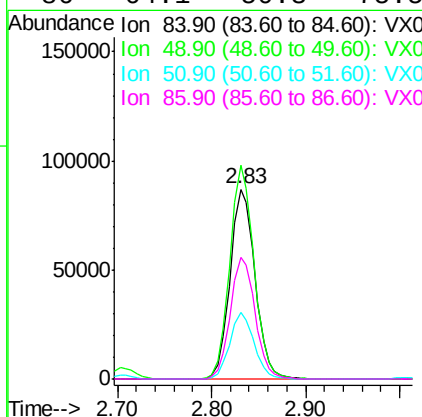
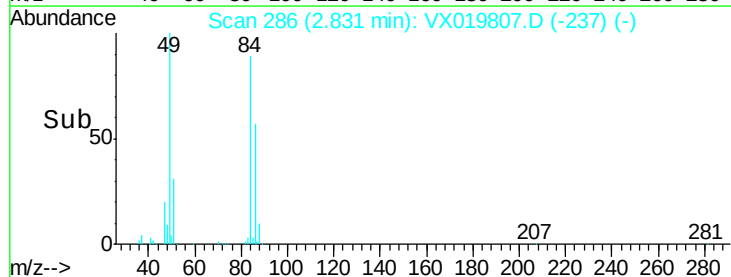
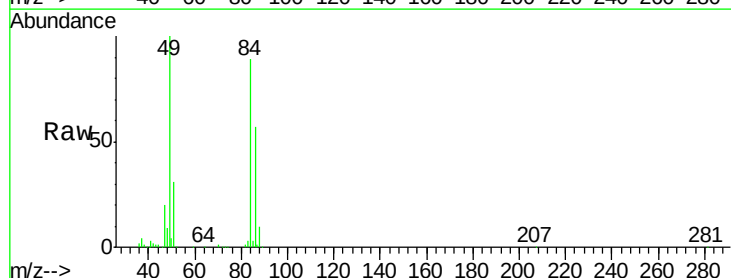
Manual Integrations
APPROVED

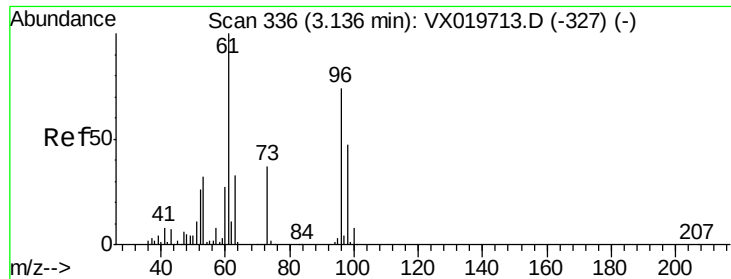
MMDadoda
12/10/2020 9:31:14 AM



#20
Methylene Chloride
Concen: 52.862 ug/l
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX019807.D
Acq: 10 Dec 2020 03:48

Tgt Ion	84	Resp	159931
Ion Ratio	100	Lower	Upper
84	100		
49	112.7	88.6	132.8
51	35.1	27.0	40.6
86	64.1	50.3	75.5





#21

trans-1,2-Dichloroethene

Concen: 51.709 ug/l

RT: 3.14 min Scan# 337

Delta R.T. 0.01 min

Lab File: VX019807.D

Acq: 10 Dec 2020 03:48

Instrument :

MSVOA_X

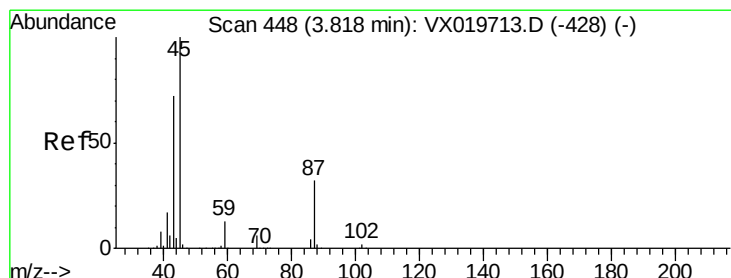
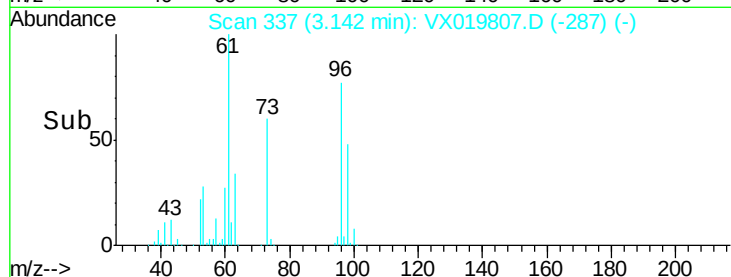
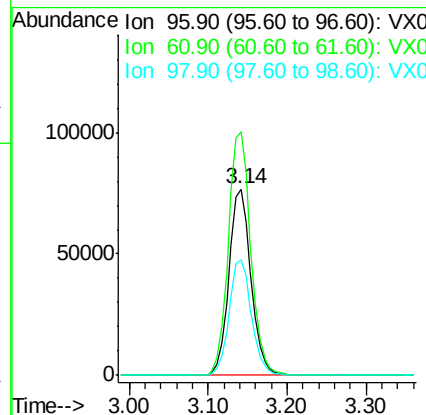
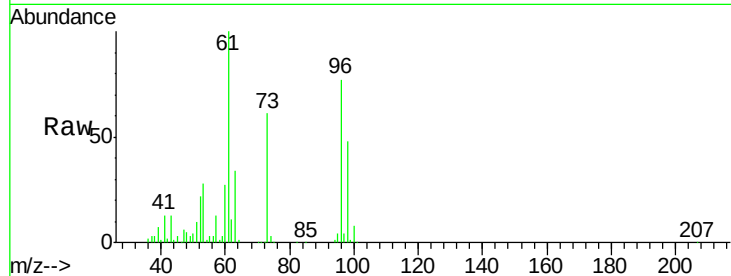
ClientSampleId :

TU032-32-5226-120820MS

Tot Ion:	96	Resp:	148399
Ion	Ratio	Lower	Upper
96	100		
61	130.6	107.7	161.5
98	62.0	50.4	75.6

Manual Integrations
APPROVED

MMDadoda
12/10/2020 9:31:14 AM



#22

Diisopropyl ether

Concen: 53.623 ug/l

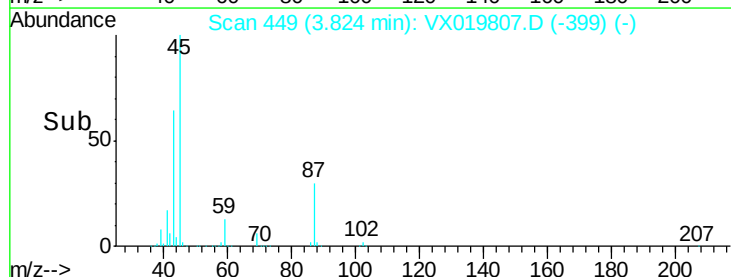
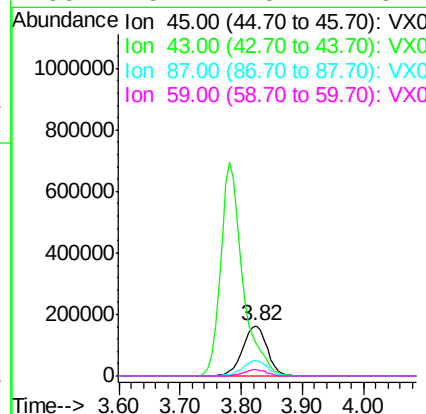
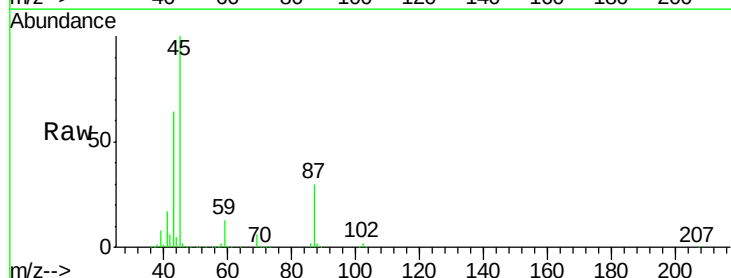
RT: 3.82 min Scan# 449

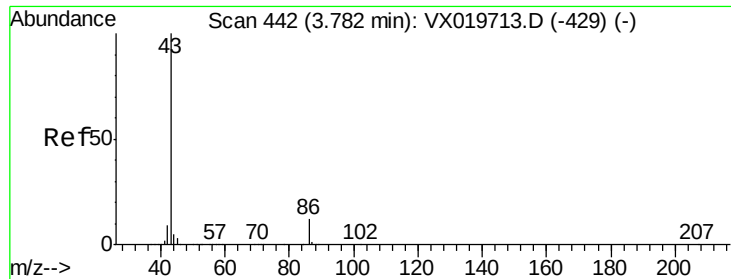
Delta R.T. 0.01 min

Lab File: VX019807.D

Acq: 10 Dec 2020 03:48

Tgt Ion:	45	Resp:	450746
Ion	Ratio	Lower	Upper
45	100		
43	63.6	58.0	87.0
87	30.4	25.4	38.0
59	13.2	10.2	15.2





#23

Vinyl Acetate

Concen: 244.448 ug/l

RT: 3.78 min Scan# 442

Delta R.T. -0.00 min

Lab File: VX019807.D

Acq: 10 Dec 2020 03:48

Instrument :

MSVOA_X

ClientSampleId :

TU032-32-5226-120820MS

Tot Ion: 43 Resp: 1750579

Ion Ratio Lower Upper

43 100

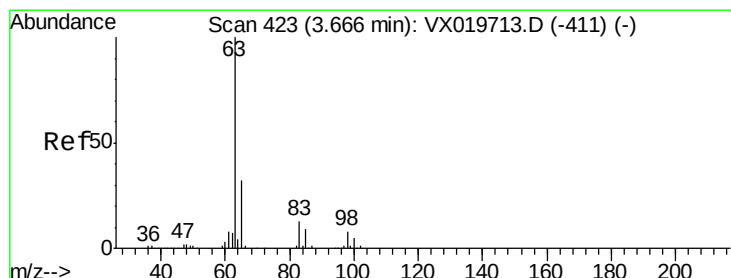
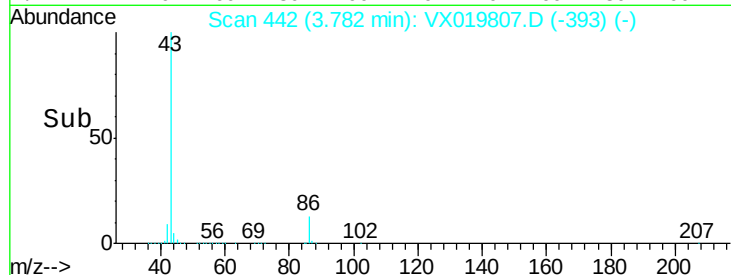
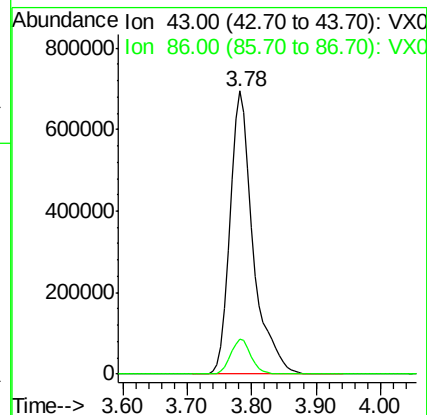
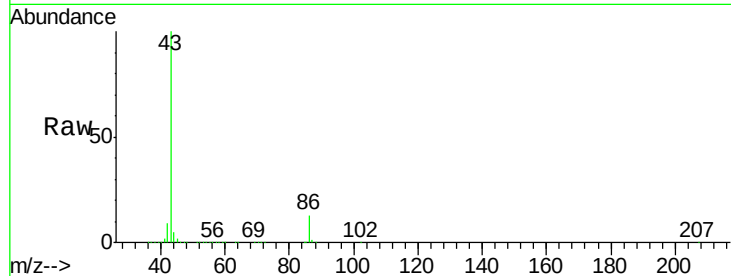
86 12.6 9.9 14.9

Manual Integrations

APPROVED

MMDadoda

12/10/2020 9:31:14 AM



#24

1,1-Dichloroethane

Concen: 52.879 ug/l

RT: 3.67 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX019807.D

Acq: 10 Dec 2020 03:48

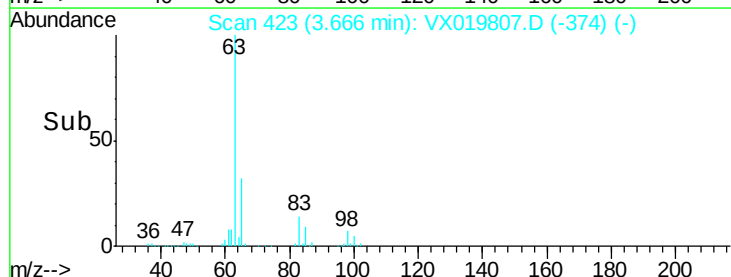
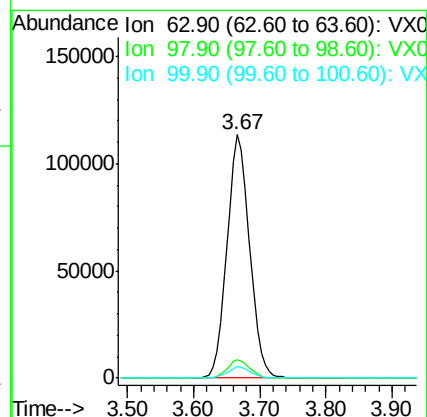
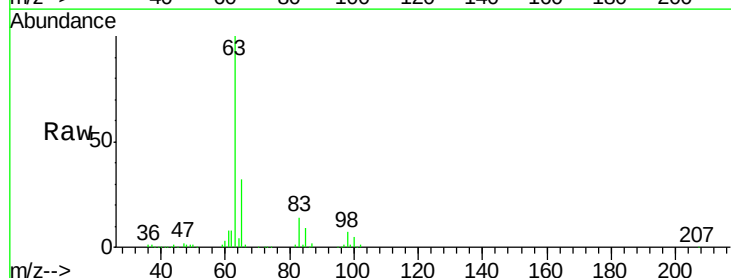
Tgt Ion: 63 Resp: 268038

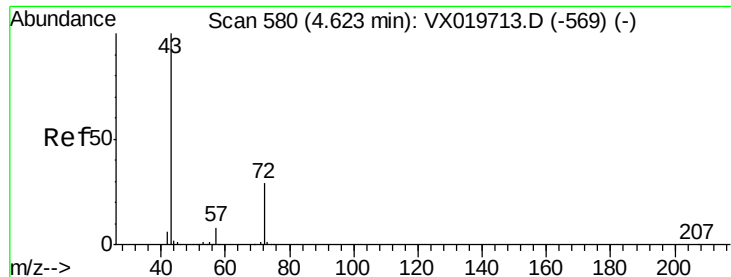
Ion Ratio Lower Upper

63 100

98 7.5 3.8 11.2

100 4.7 2.5 7.5





#25

2-Butanone

Concen: 269.919 ug/l

RT: 4.63 min Scan# 581

Delta R.T. 0.01 min

Lab File: VX019807.D

Acq: 10 Dec 2020 03:48

Instrument :

MSVOA_X

ClientSampleId :

TU032-32-5226-120820MS

Tot Ion: 43 Resp: 550496

Ion Ratio Lower Upper

43 100

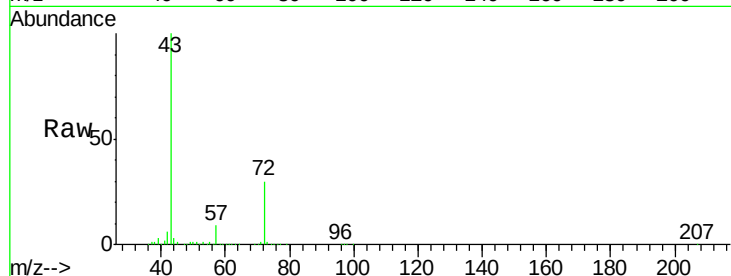
72 29.9 23.7 35.5

Manual Integrations

APPROVED

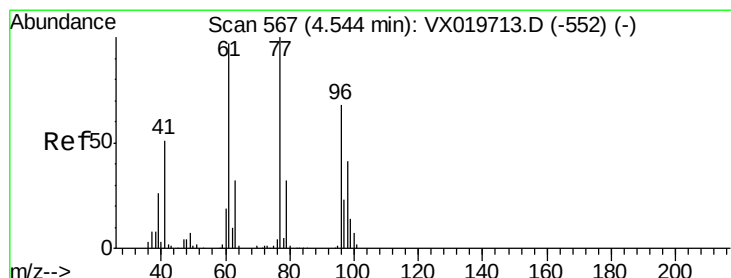
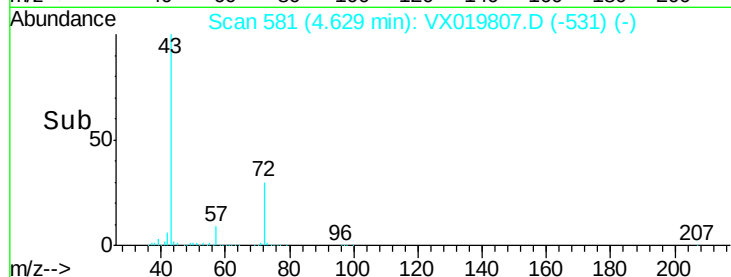
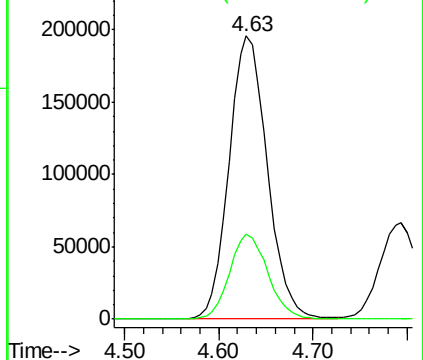
MMDadoda

12/10/2020 9:31:14 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 40.220 ug/l

RT: 4.55 min Scan# 568

Delta R.T. 0.01 min

Lab File: VX019807.D

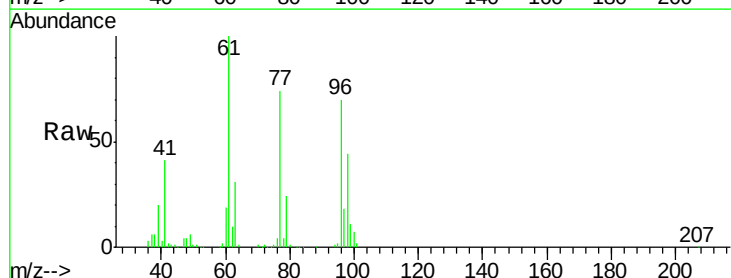
Acq: 10 Dec 2020 03:48

Tgt Ion: 77 Resp: 175567

Ion Ratio Lower Upper

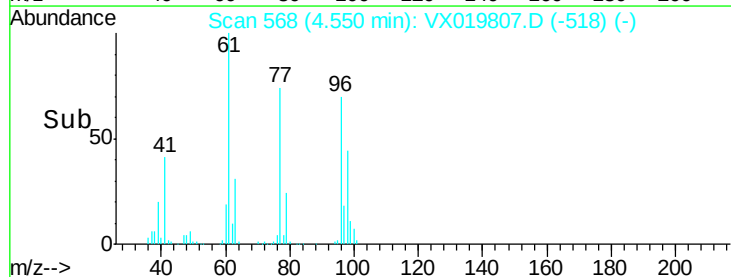
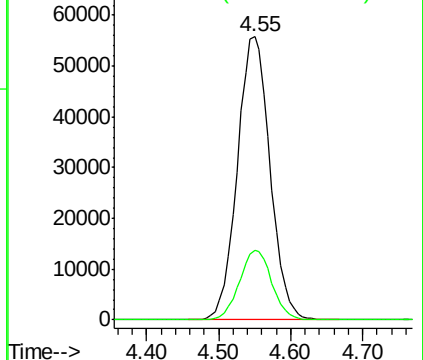
77 100

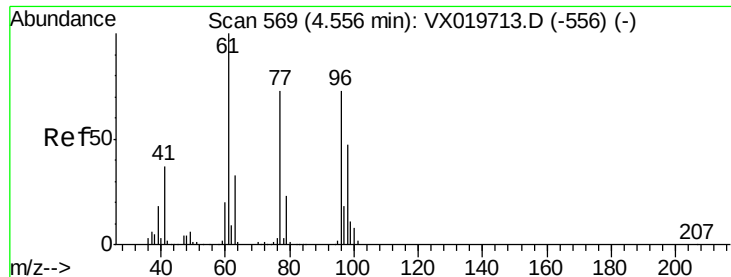
97 24.3 11.7 35.1



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

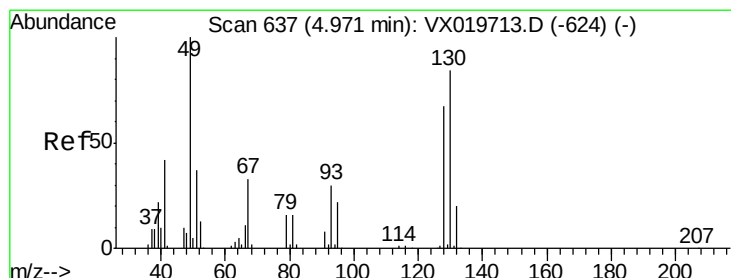
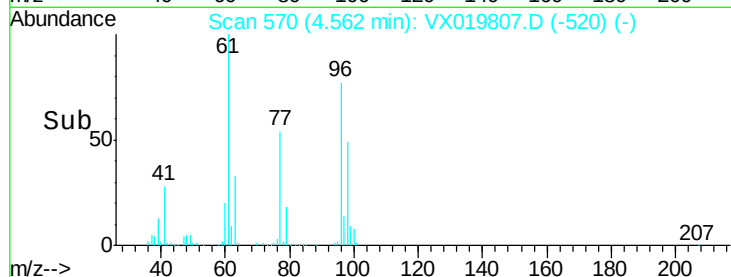
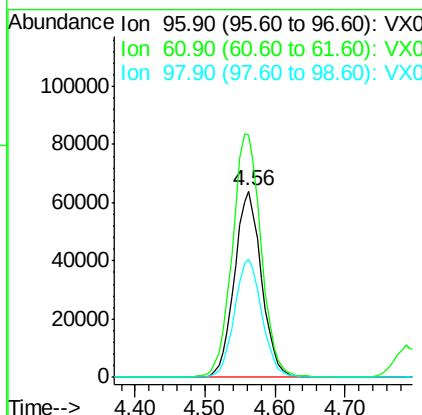
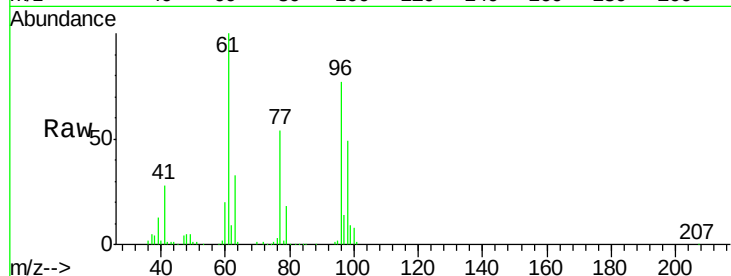
cis-1,2-Dichloroethene
Concen: 51.275 ug/l
RT: 4.56 min Scan# 570
Delta R.T. 0.01 min
Lab File: VX019807.D
Acq: 10 Dec 2020 03:48

Instrument :
MSVOA_X
ClientSampleId :
TU032-32-5226-120820MS

Tot Ion	Ratio	Resp	Lower	Upper
96	100	172208		
61	139.2	0.0	285.6	
98	64.7	0.0	129.6	

Manual Integrations
APPROVED

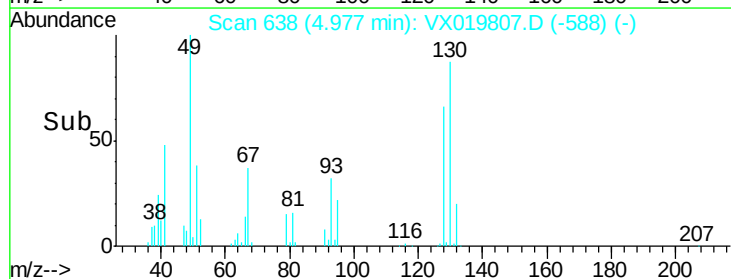
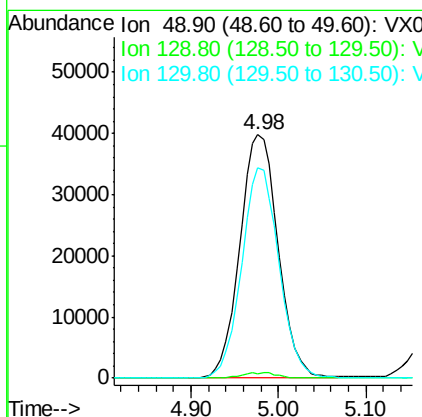
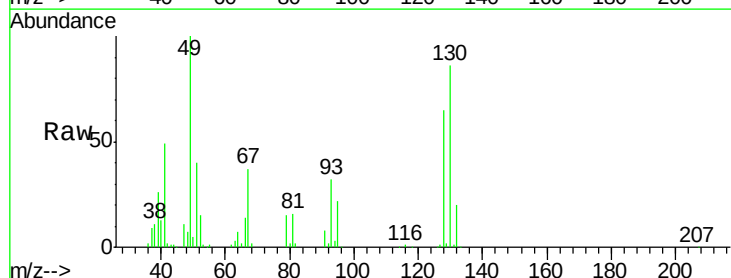
MMDadoda
12/10/2020 9:31:14 AM

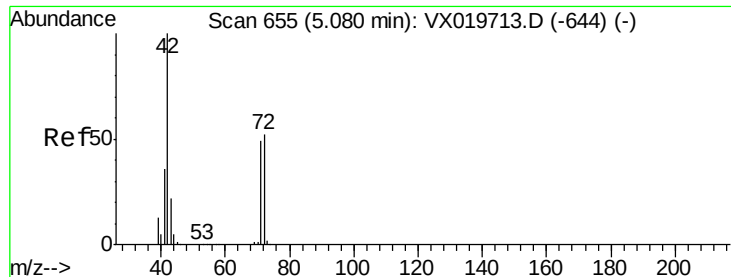


#28

Bromochloromethane
Concen: 50.188 ug/l
RT: 4.98 min Scan# 638
Delta R.T. 0.01 min
Lab File: VX019807.D
Acq: 10 Dec 2020 03:48

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	121275		
129	2.1	0.0	4.0	
130	84.1	68.2	102.2	





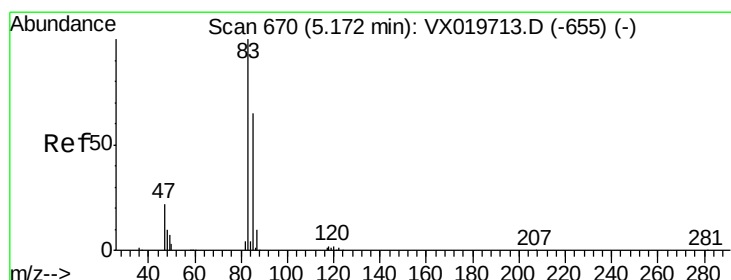
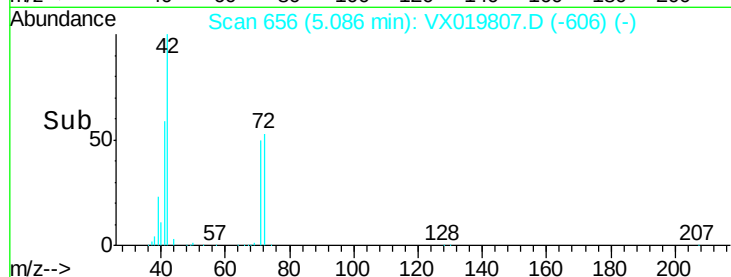
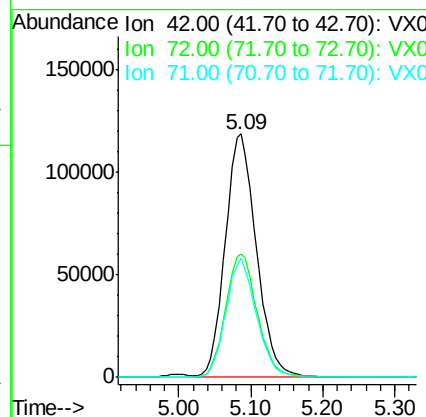
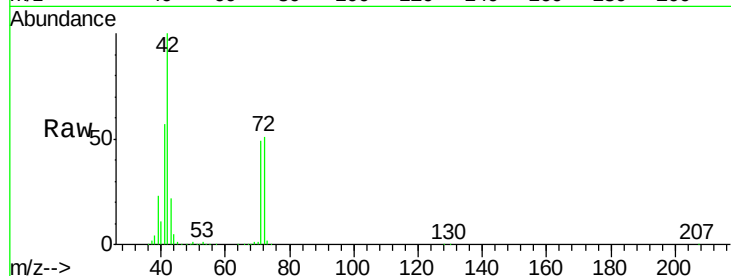
#29
Tetrahydrofuran
Concen: 270.908 ug/l
RT: 5.09 min Scan# 656
Delta R.T. 0.01 min
Lab File: VX019807.D
Acq: 10 Dec 2020 03:48

Instrument :
MSVOA_X
ClientSampleId :
TU032-32-5226-120820MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	52.0	41.7	62.5
71	48.0	38.4	57.6

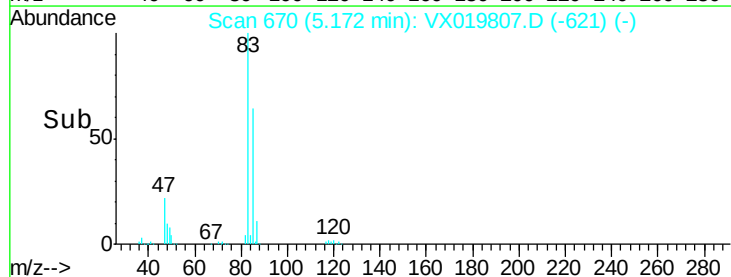
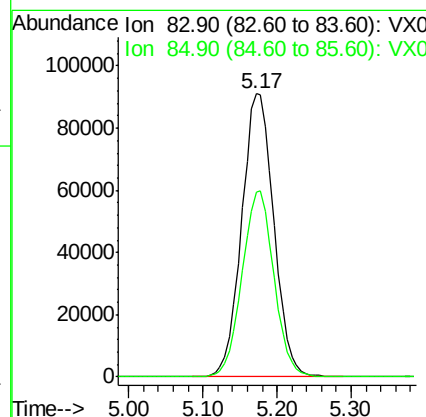
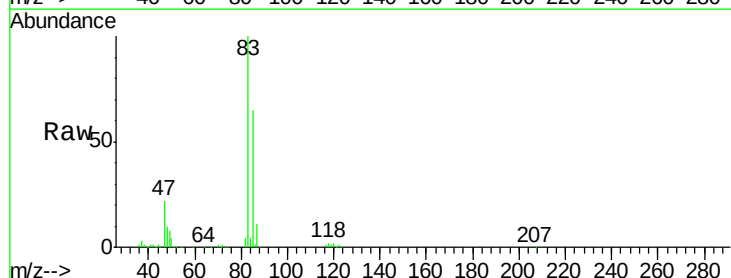
Manual Integrations
APPROVED

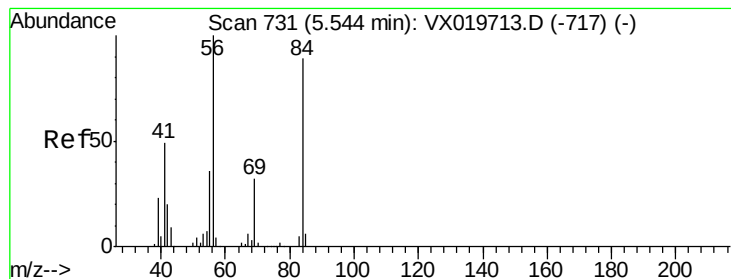
MMDadoda
12/10/2020 9:31:14 AM



#30
Chloroform
Concen: 52.854 ug/l
RT: 5.17 min Scan# 670
Delta R.T. -0.00 min
Lab File: VX019807.D
Acq: 10 Dec 2020 03:48

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	52.0	78.0





#31

Cyclohexane

Concen: 51.295 ug/l

RT: 5.54 min Scan# 731

Delta R.T. -0.00 min

Lab File: VX019807.D

Acq: 10 Dec 2020 03:48

Instrument :

MSVOA_X

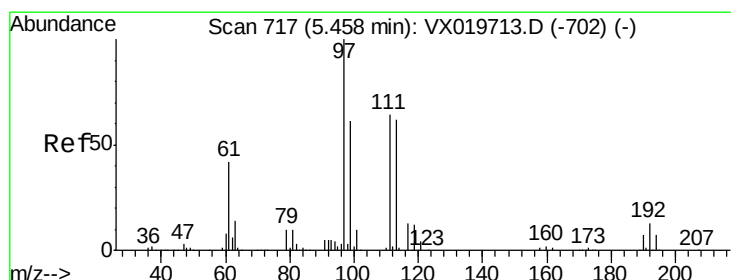
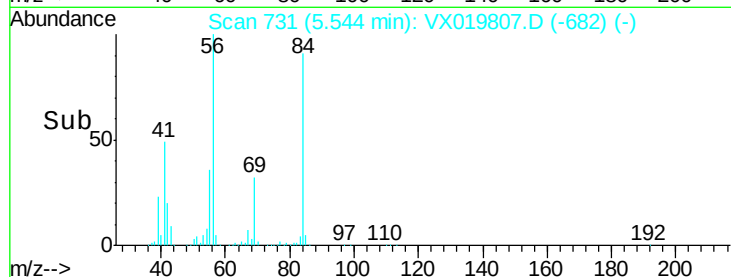
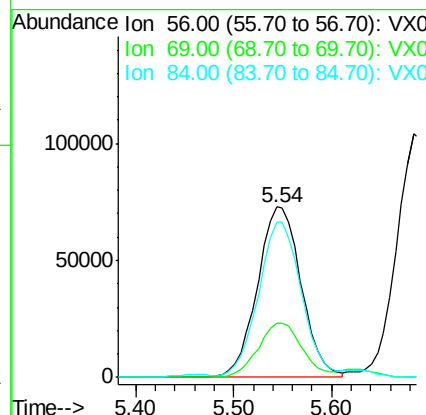
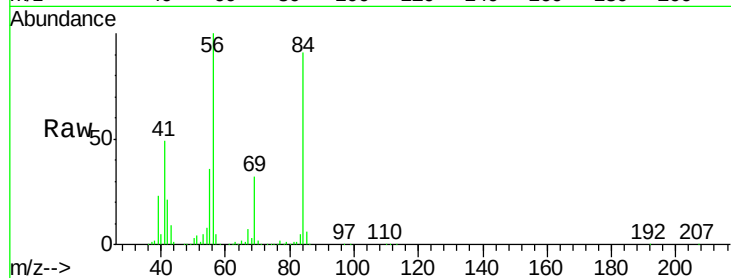
ClientSampleId :

TU032-32-5226-120820MS

Tot Ion:	56	Resp:	225311
Ion Ratio	Lower	Upper	
56	100		
69	31.7	25.3	37.9
84	89.7	71.4	107.0

Manual Integrations
APPROVED

MMDadoda
12/10/2020 9:31:14 AM



#32

1,1,1-Trichloroethane

Concen: 52.301 ug/l

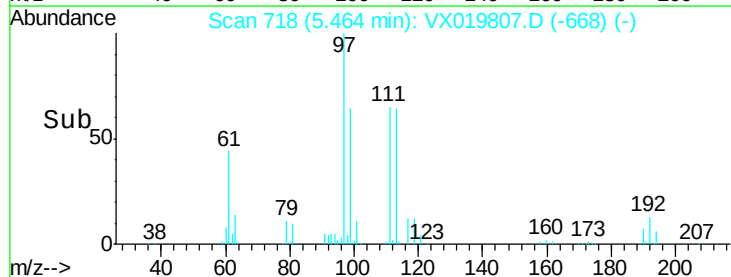
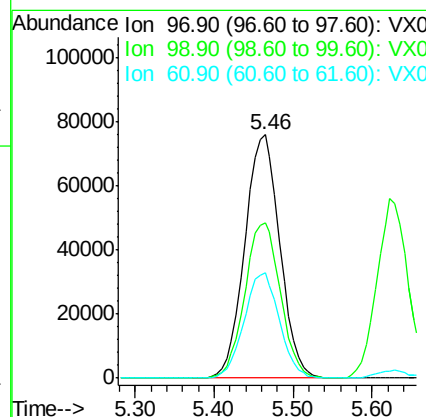
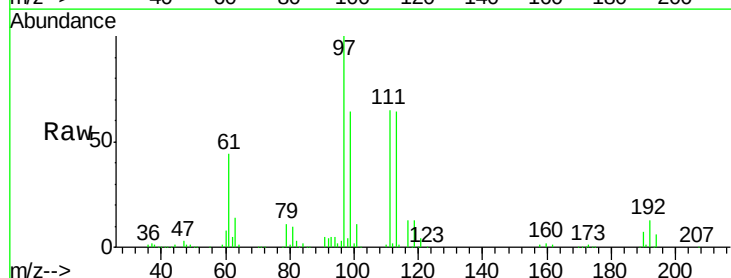
RT: 5.46 min Scan# 718

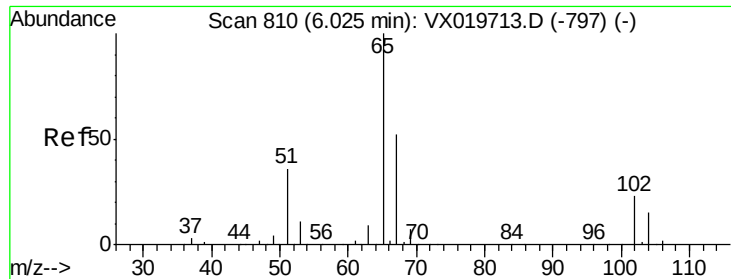
Delta R.T. 0.01 min

Lab File: VX019807.D

Acq: 10 Dec 2020 03:48

Tgt Ion:	97	Resp:	234754
Ion Ratio	Lower	Upper	
97	100		
99	64.7	51.5	77.3
61	43.6	34.2	51.4





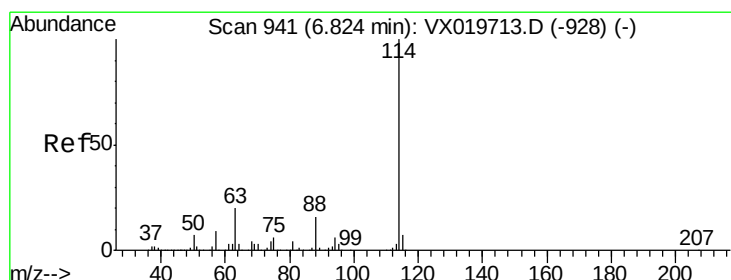
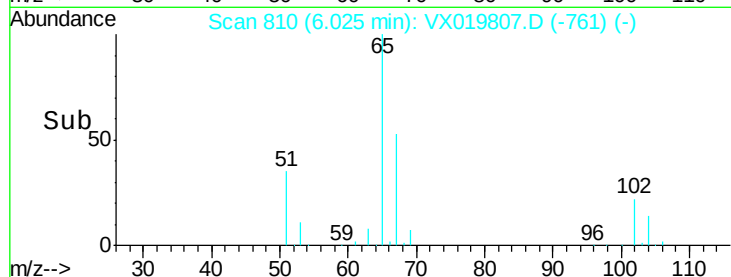
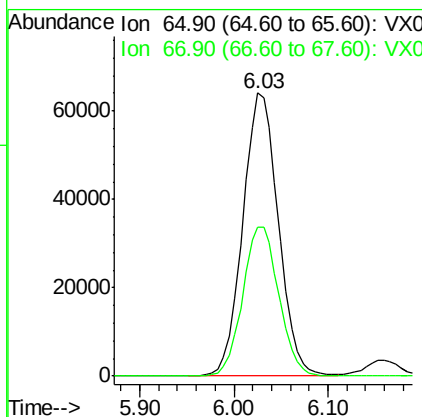
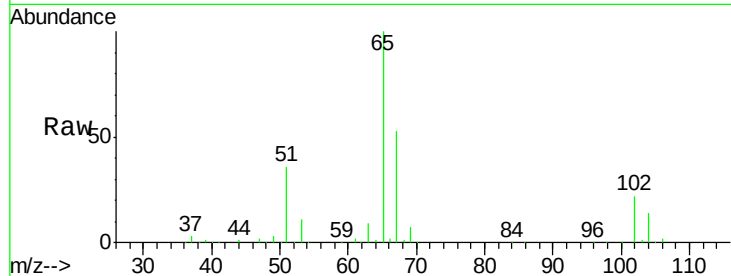
#33
 1,2-Dichloroethane-d4
 Concen: 48.106 ug/l
 RT: 6.03 min Scan# 810
 Delta R.T. -0.00 min
 Lab File: VX019807.D
 Acq: 10 Dec 2020 03:48

Instrument :
 MSVOA_X
 ClientSampleId :
 TU032-32-5226-120820MS

Tot Ion	Ratio	Resp	Lower	Upper
65	100	169871		
67	53.5	0.0	105.4	

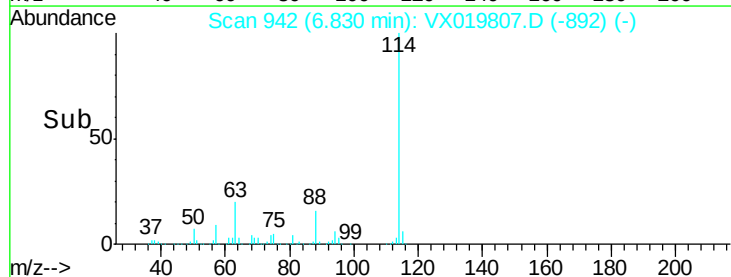
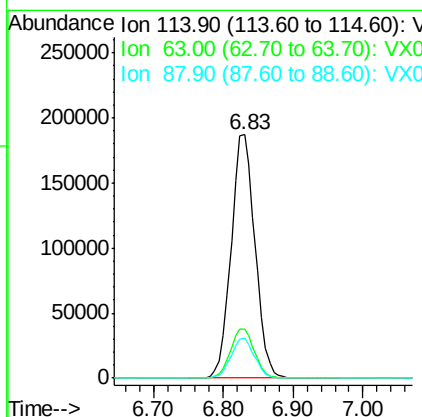
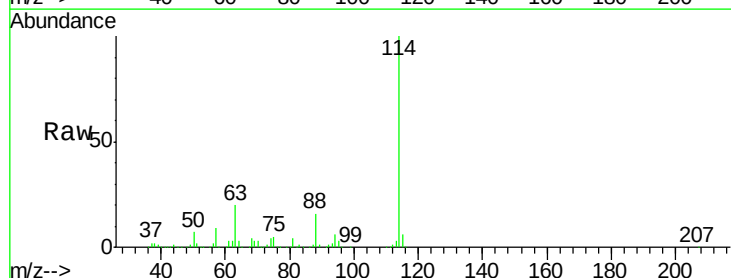
Manual Integrations
 APPROVED

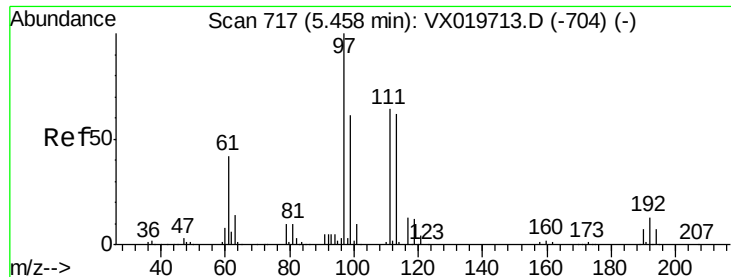
MMDadoda
 12/10/2020 9:31:14 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. 0.01 min
 Lab File: VX019807.D
 Acq: 10 Dec 2020 03:48

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	443075		
63	19.9	0.0	40.8	
88	16.4	0.0	32.8	





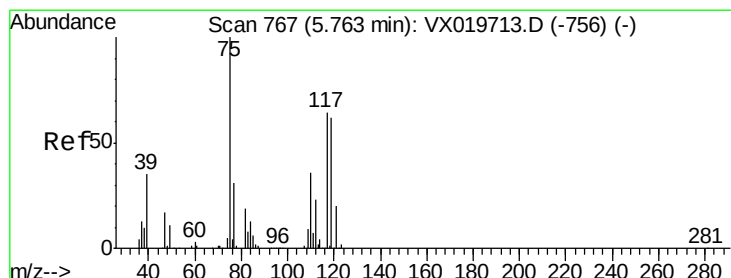
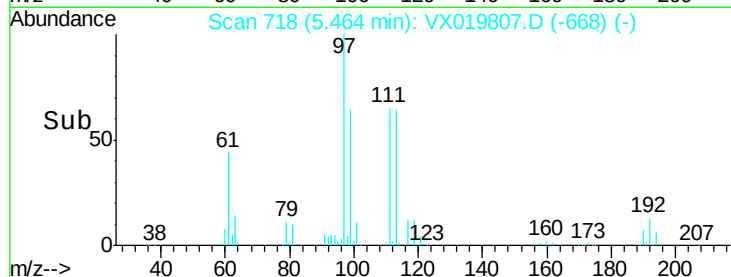
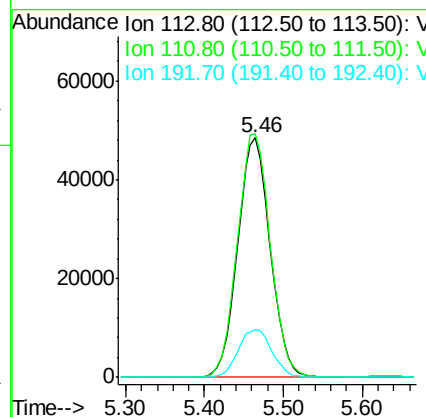
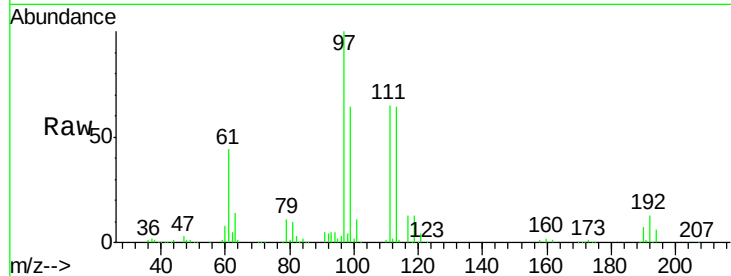
#35
 Dibromofluoromethane
 Concen: 48.496 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. 0.01 min
 Lab File: VX019807.D
 Acq: 10 Dec 2020 03:48

Instrument :
 MSVOA_X
 ClientSampleId :
 TU032-32-5226-120820MS

Tot Ion	Ratio	Resp	Lower	Upper
113	100	138870		
111	103.2	81.9	122.9	
192	20.9	16.7	25.1	

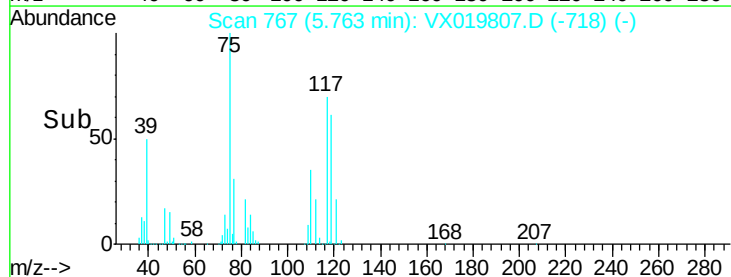
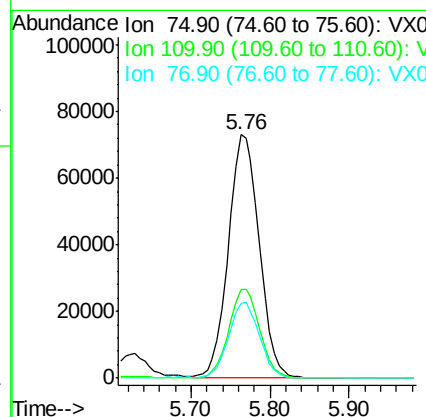
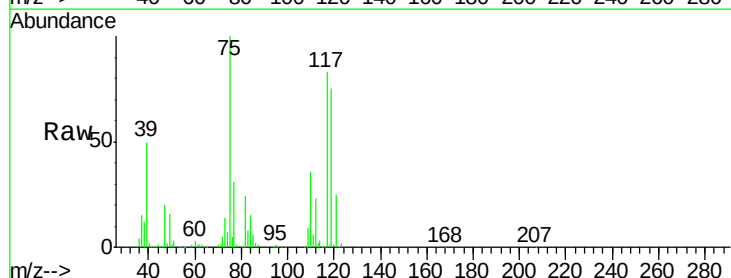
Manual Integrations
 APPROVED

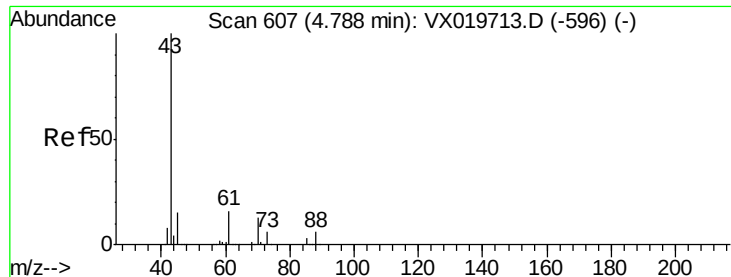
MMDadoda
 12/10/2020 9:31:14 AM



#36
 1,1-Dichloropropene
 Concen: 49.690 ug/l
 RT: 5.76 min Scan# 767
 Delta R.T. -0.00 min
 Lab File: VX019807.D
 Acq: 10 Dec 2020 03:48

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	198948		
110	36.5	18.1	54.4	
77	31.1	25.3	37.9	





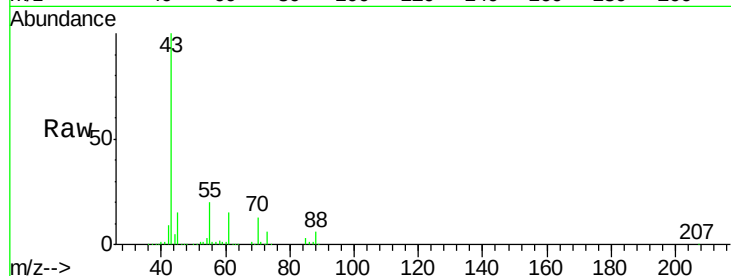
#37
Ethyl Acetate
Concen: 47.892 ug/l
RT: 4.79 min Scan# 608
Delta R.T. 0.01 min
Lab File: VX019807.D
Acq: 10 Dec 2020 03:48

Instrument :
MSVOA_X
ClientSampleId :
TU032-32-5226-120820MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.8	12.8	19.2
70	13.1	10.5	15.7

Manual Integrations
APPROVED

MMDadoda
12/10/2020 9:31:14 AM

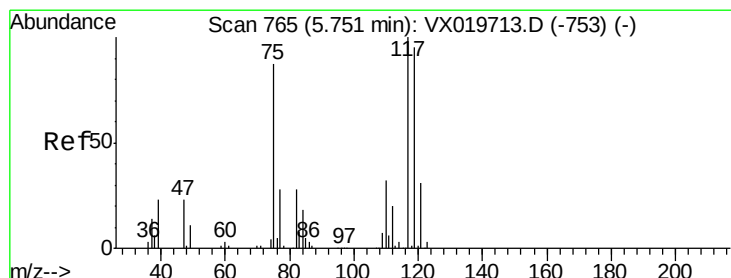
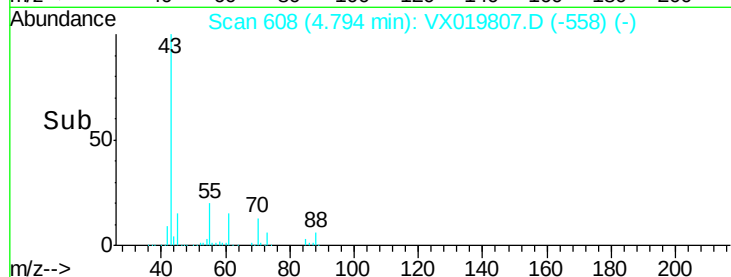
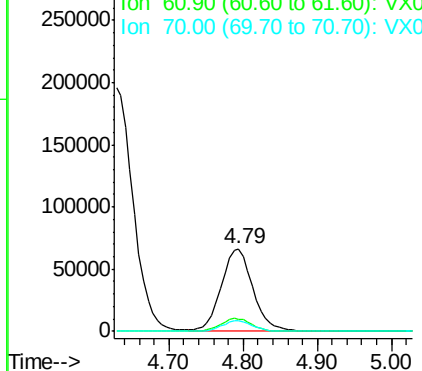


Abundance

Ion 43.00 (42.70 to 43.70): VX0

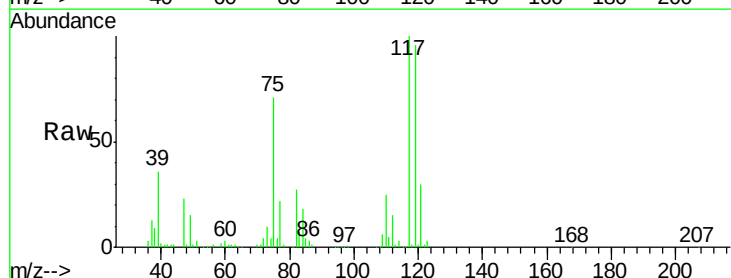
Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38
Carbon Tetrachloride
Concen: 51.418 ug/l
RT: 5.75 min Scan# 765
Delta R.T. -0.00 min
Lab File: VX019807.D
Acq: 10 Dec 2020 03:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.4	76.2	114.2
121	30.1	24.8	37.2

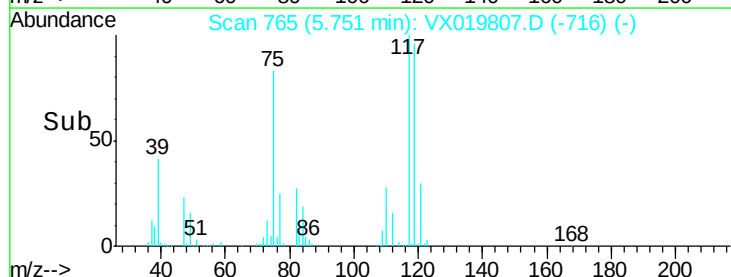
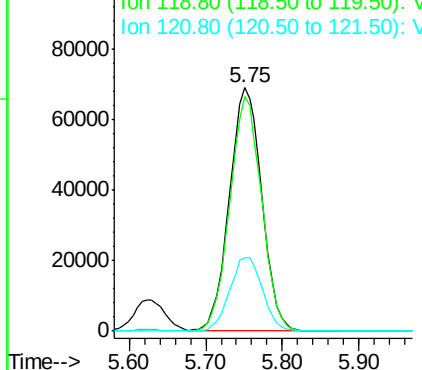


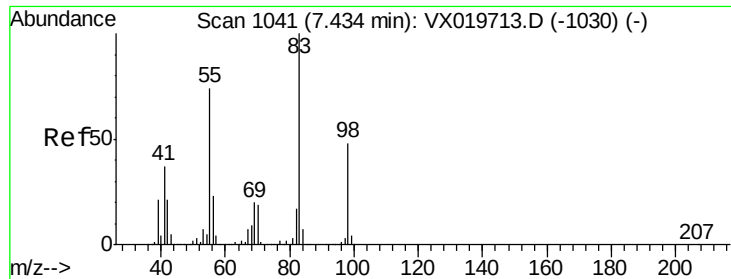
Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





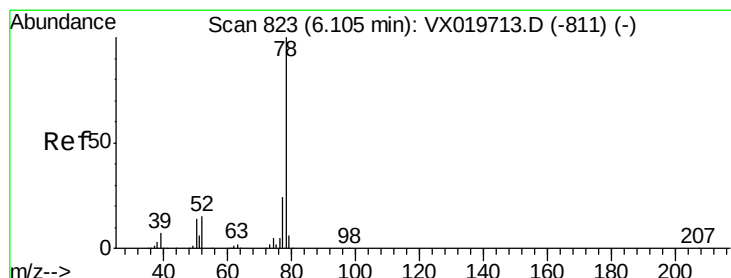
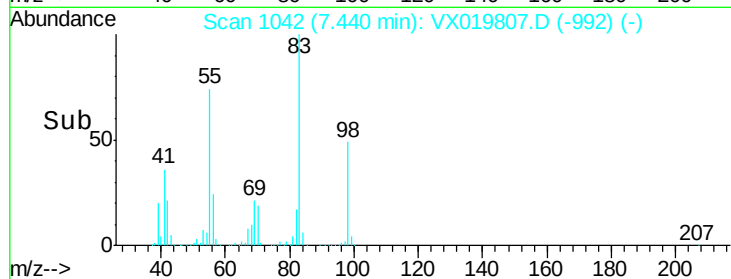
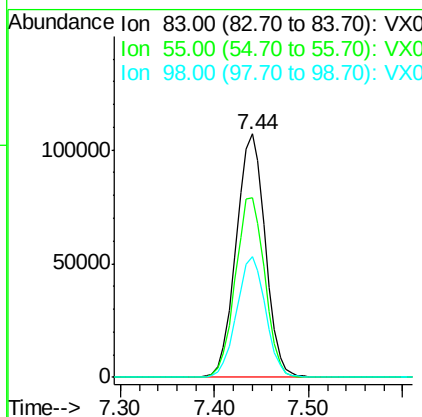
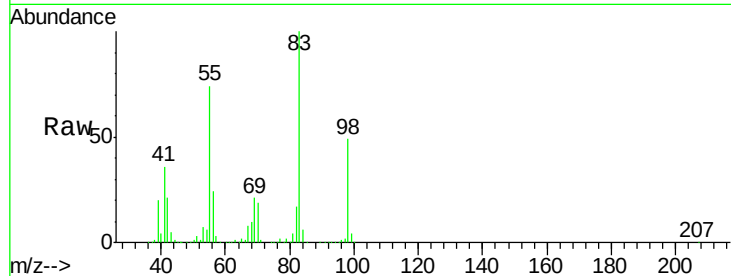
#39
Methylvlcyclohexane
Concen: 49.024 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. 0.01 min
Lab File: VX019807.D
Acq: 10 Dec 2020 03:48

Instrument :
MSVOA_X
ClientSampleId :
TU032-32-5226-120820MS

Tot Ion	Ratio	Resp	Lower	Upper
83	100	230609		
55	74.0		58.9	88.3
98	49.5		38.1	57.1

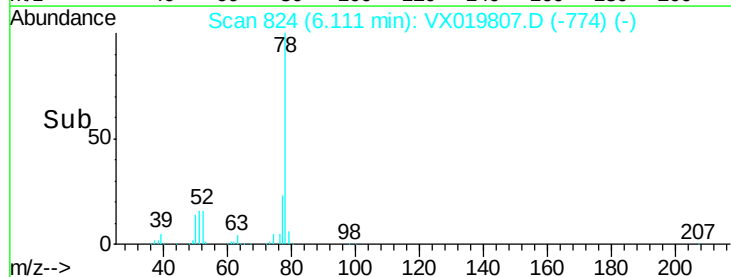
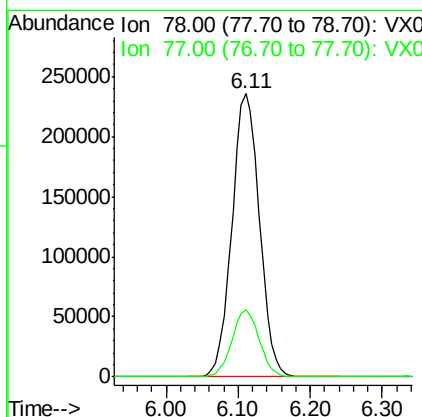
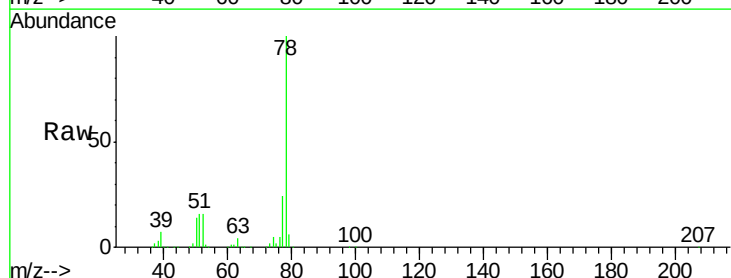
Manual Integrations
APPROVED

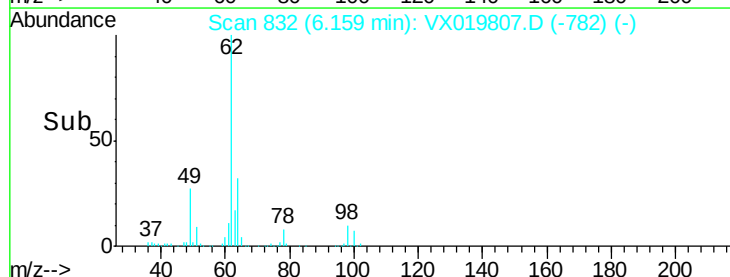
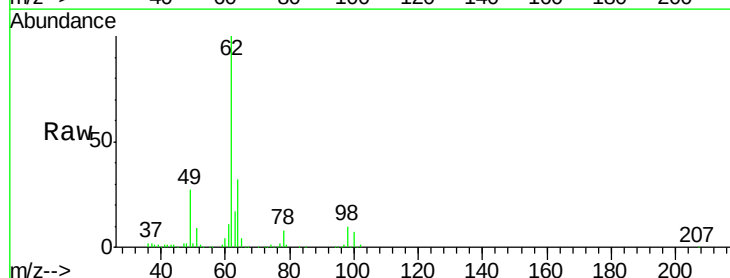
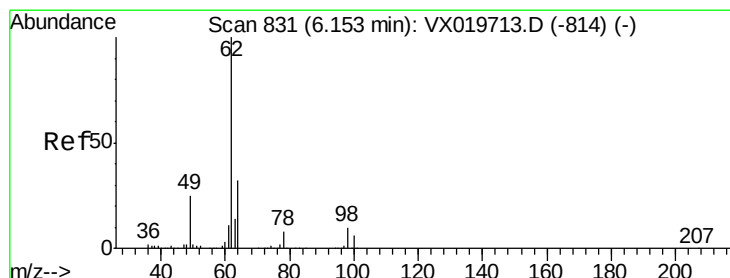
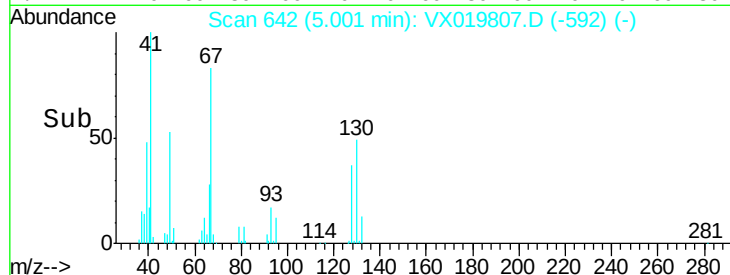
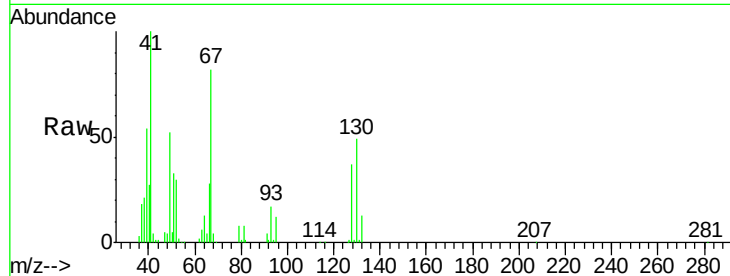
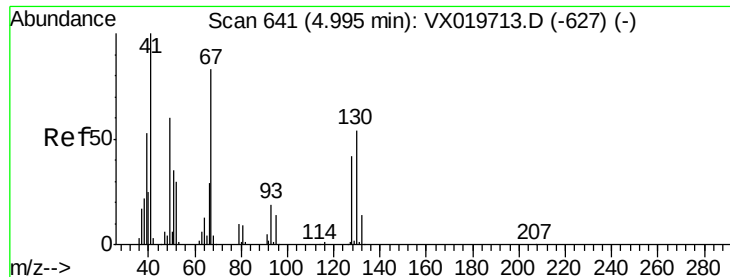
MMDadoda
12/10/2020 9:31:14 AM



#40
Benzene
Concen: 51.109 ug/l
RT: 6.11 min Scan# 824
Delta R.T. 0.01 min
Lab File: VX019807.D
Acq: 10 Dec 2020 03:48

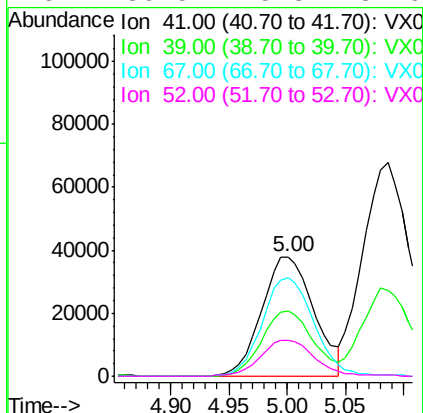
Tgt Ion	Ratio	Resp	Lower	Upper
78	100	625086		
77	23.7		18.9	28.3





#41
Methacrylonitrile
Concen: 53.074 ug/l
RT: 5.00 min Scan# 642
Delta R.T. 0.01 min
Lab File: VX019807.D
Acq: 10 Dec 2020 03:48

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.4	42.5	63.7	
67	82.0	65.0	97.6	
52	30.5	25.3	37.9	



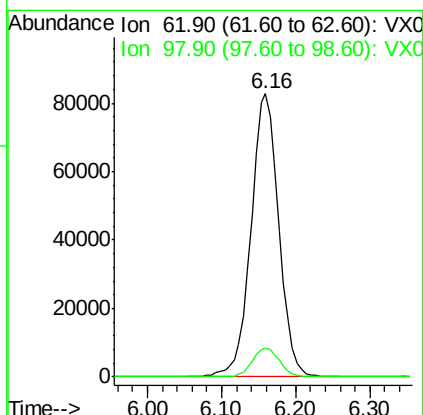
Instrument :
MSVOA_X
ClientSampleId :
TU032-32-5226-120820MS

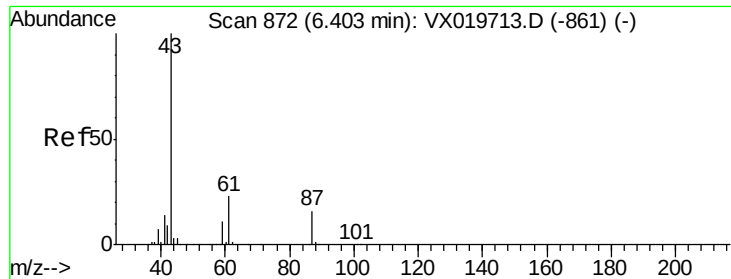
Manual Integrations
APPROVED

MMDadoda
12/10/2020 9:31:14 AM

#42
1,2-Dichloroethane
Concen: 51.797 ug/l
RT: 6.16 min Scan# 832
Delta R.T. 0.01 min
Lab File: VX019807.D
Acq: 10 Dec 2020 03:48

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.1	0.0	20.2	





#43

Isopropyl Acetate

Concen: 48.686 ug/l

RT: 6.41 min Scan# 873

Delta R.T. 0.01 min

Lab File: VX019807.D

Acq: 10 Dec 2020 03:48

Instrument :

MSVOA_X

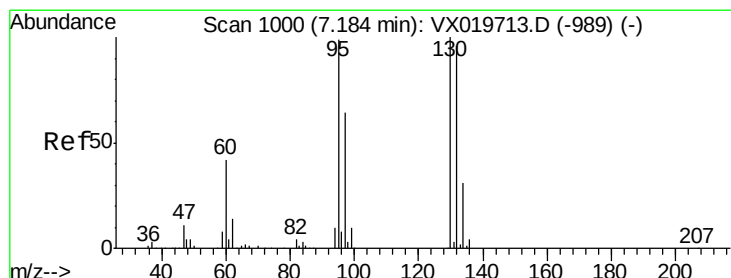
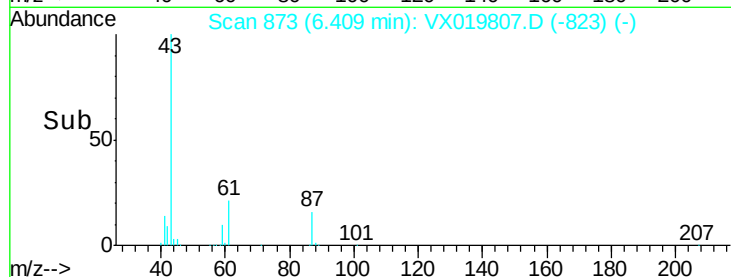
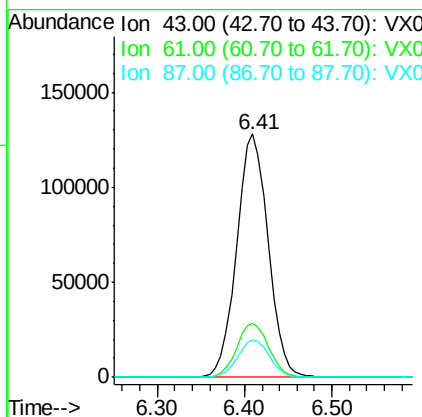
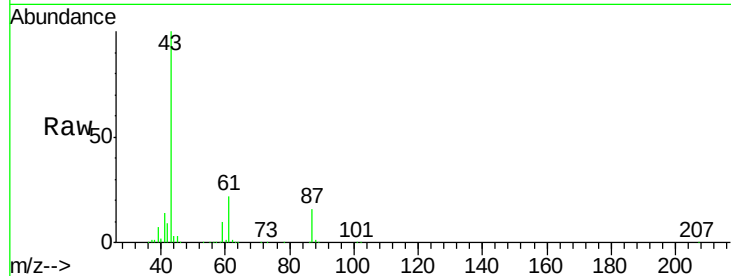
ClientSampleId :

TU032-32-5226-120820MS

Tot Ion:	43	Resp:	319974
Ion	Ratio	Lower	Upper
43	100		
61	22.7	18.2	27.4
87	15.5	12.5	18.7

Manual Integrations
APPROVED

MMDadoda
12/10/2020 9:31:14 AM



#44

Trichloroethene

Concen: 49.682 ug/l

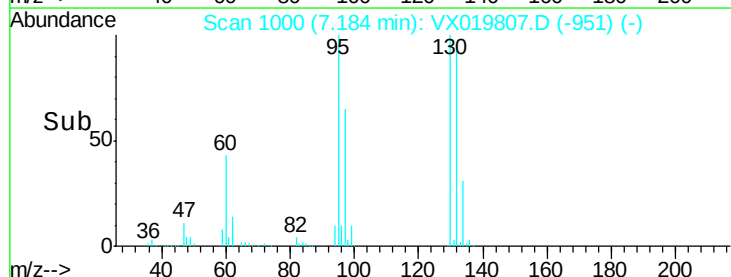
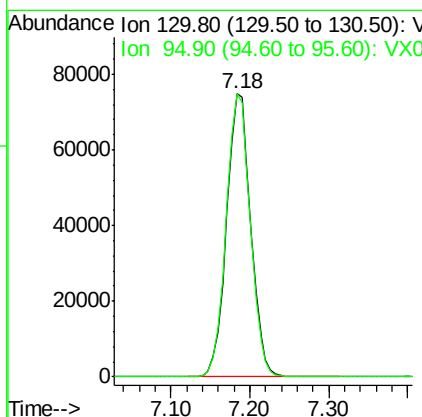
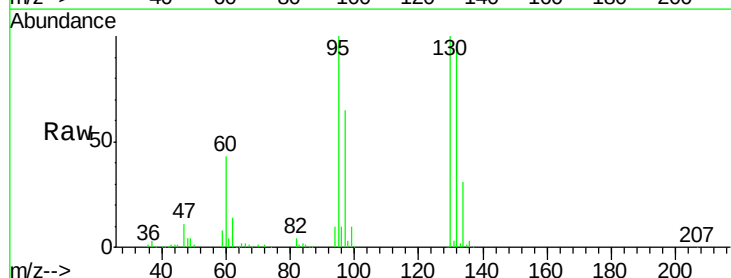
RT: 7.18 min Scan# 1000

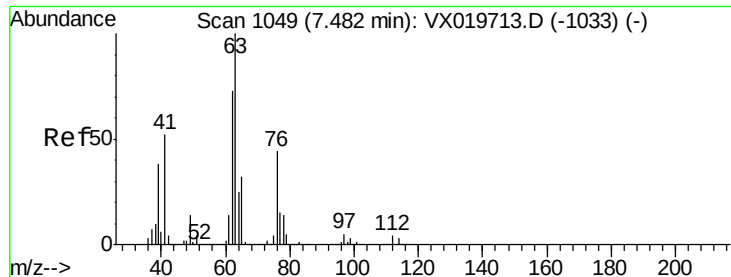
Delta R.T. -0.00 min

Lab File: VX019807.D

Acq: 10 Dec 2020 03:48

Tgt Ion:	130	Resp:	159428
Ion	Ratio	Lower	Upper
130	100		
95	100.1	0.0	198.0





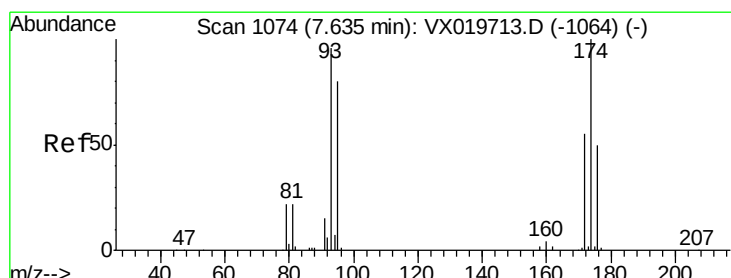
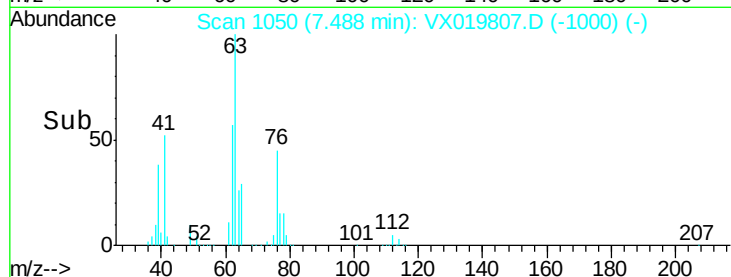
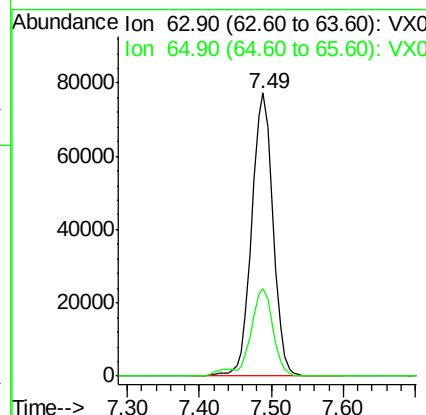
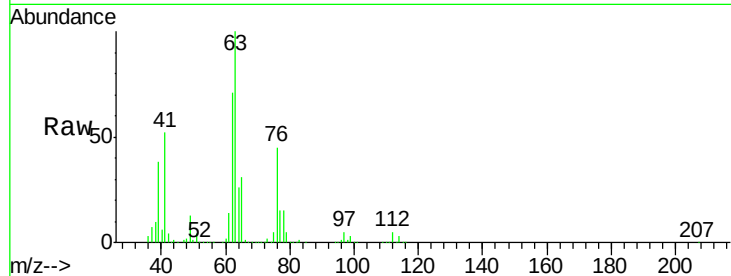
#45
 1,2-Dichloropropane
 Concen: 51.880 ug/l
 RT: 7.49 min Scan# 1050
 Delta R.T. 0.01 min
 Lab File: VX019807.D
 Acq: 10 Dec 2020 03:48

Instrument :
 MSVOA_X
 ClientSampleId :
 TU032-32-5226-120820MS

Tot Ion: 63 Resp: 158582
 Ion Ratio Lower Upper
 63 100
 65 31.1 25.7 38.5

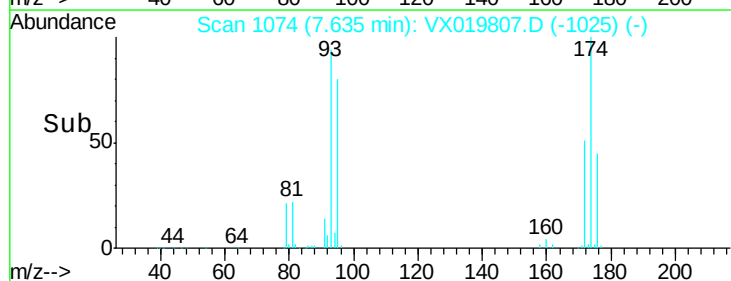
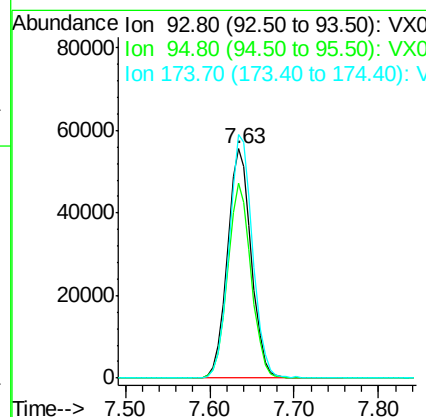
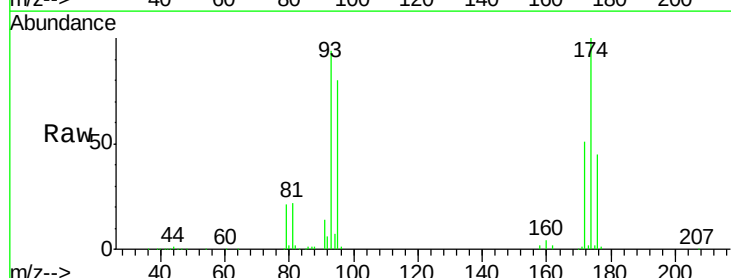
Manual Integrations
 APPROVED

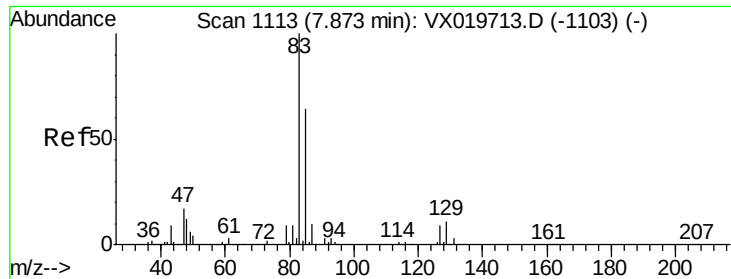
MMDadoda
 12/10/2020 9:31:14 AM



#46
 Dibromomethane
 Concen: 52.075 ug/l
 RT: 7.63 min Scan# 1074
 Delta R.T. -0.00 min
 Lab File: VX019807.D
 Acq: 10 Dec 2020 03:48

Tgt Ion: 93 Resp: 107495
 Ion Ratio Lower Upper
 93 100
 95 83.4 66.8 100.2
 174 105.1 83.1 124.7





#47

Bromodichloromethane

Concen: 52.448 ug/l

RT: 7.87 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VX019807.D

Acq: 10 Dec 2020 03:48

Instrument :

MSVOA_X

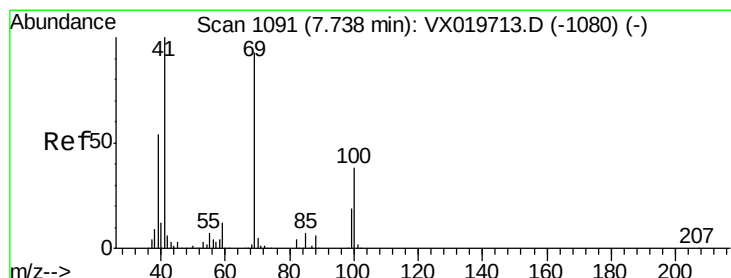
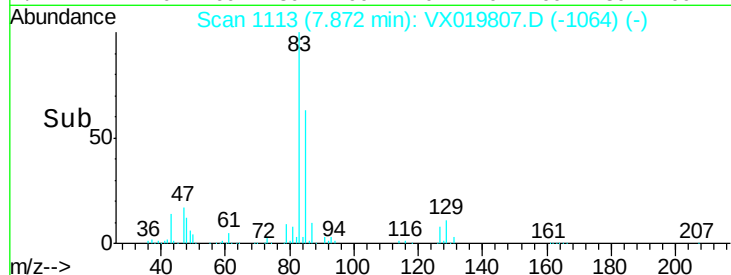
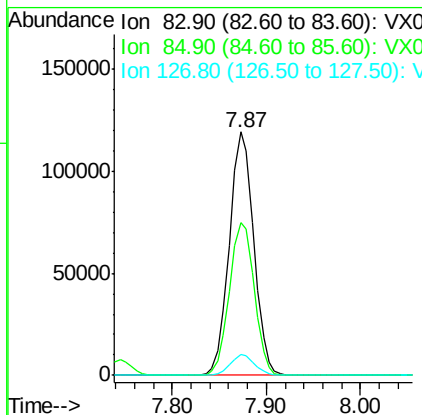
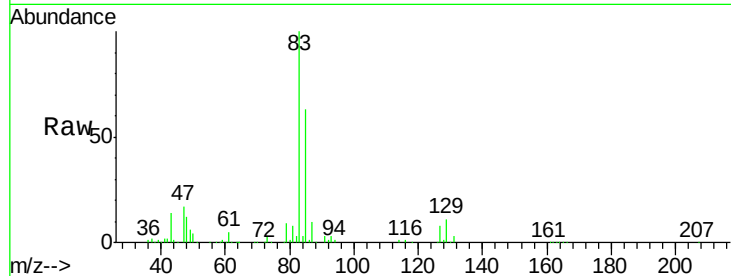
ClientSampleId :

TU032-32-5226-120820MS

Tot Ion:	83	Resp:	214830
Ion	Ratio	Lower	Upper
83	100		
85	62.7	51.4	77.0
127	8.5	6.8	10.2

Manual Integrations
APPROVED

MMDadoda
12/10/2020 9:31:14 AM



#48

Methyl methacrylate

Concen: 52.324 ug/l

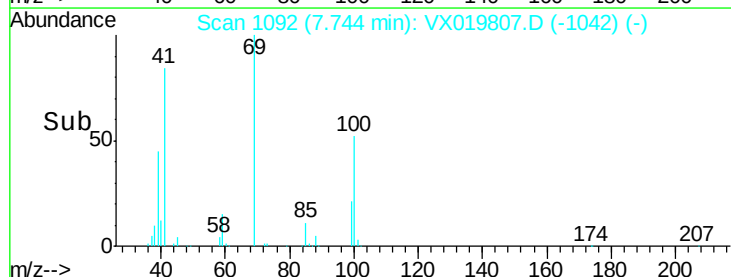
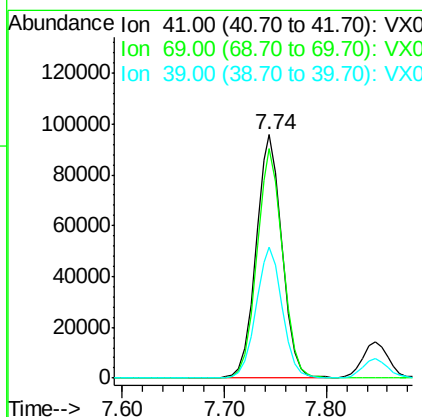
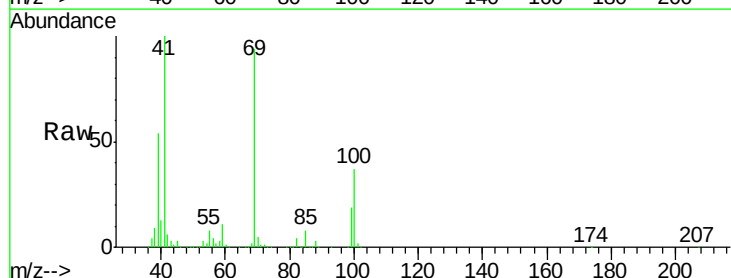
RT: 7.74 min Scan# 1092

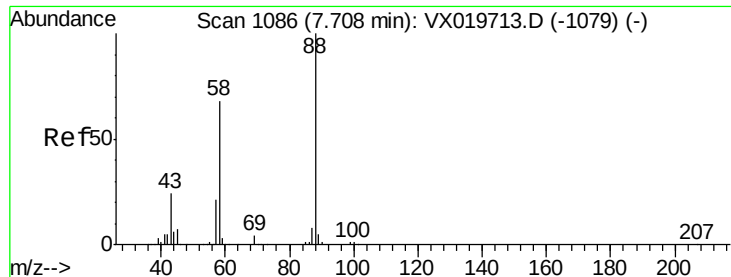
Delta R.T. 0.01 min

Lab File: VX019807.D

Acq: 10 Dec 2020 03:48

Tgt Ion:	41	Resp:	169126
Ion	Ratio	Lower	Upper
41	100		
69	93.9	76.0	114.0
39	54.5	44.6	67.0





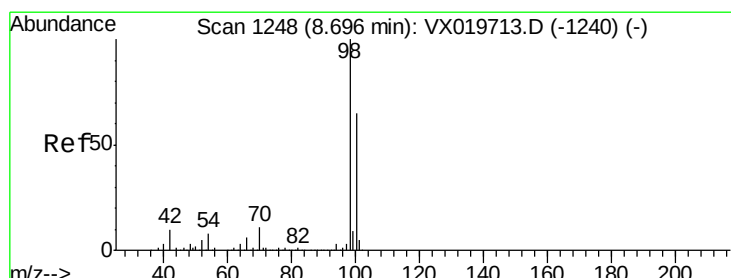
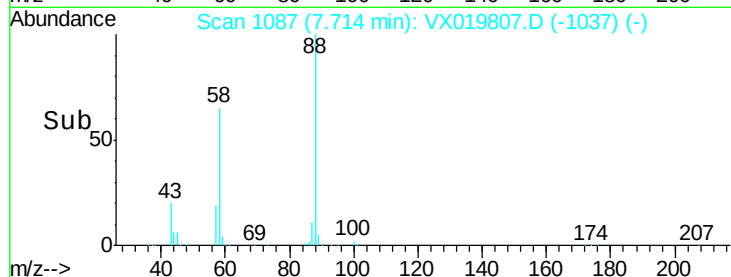
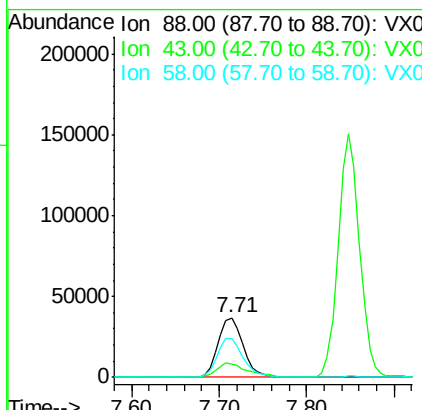
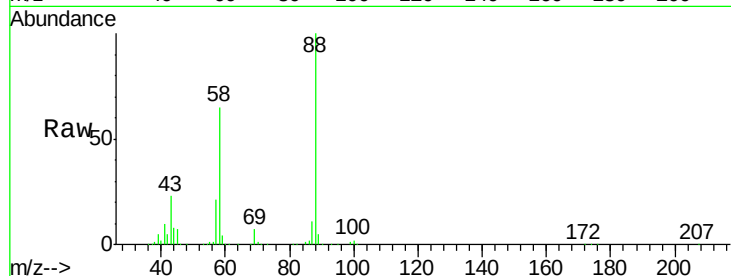
#49
1,4-Dioxane
Concen: 932.026 ug/l
RT: 7.71 min Scan# 1087
Delta R.T. 0.01 min
Lab File: VX019807.D
Acq: 10 Dec 2020 03:48

Instrument :
MSVOA_X
ClientSampleId :
TU032-32-5226-120820MS

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.0	23.2	34.8
58	68.5	55.0	82.4

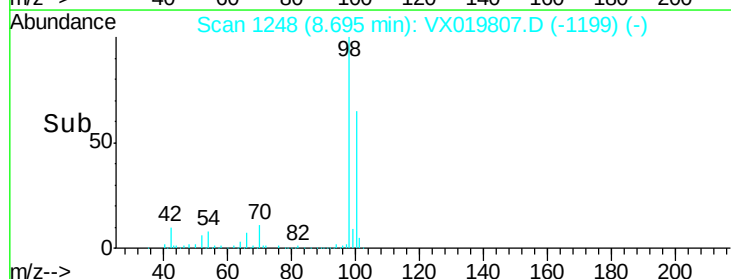
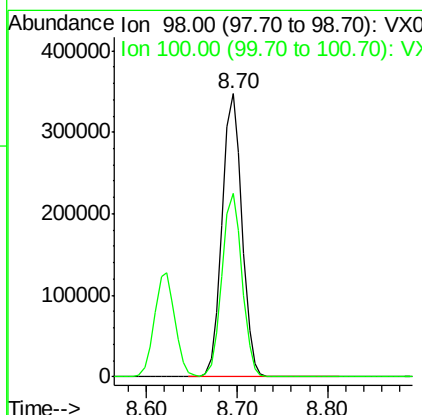
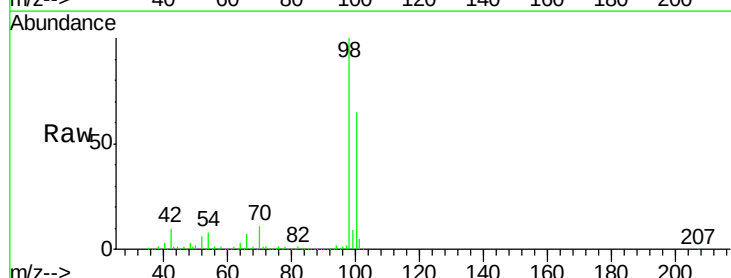
Manual Integrations
APPROVED

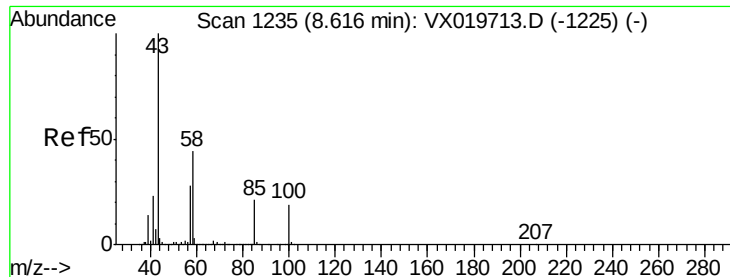
MMDadoda
12/10/2020 9:31:14 AM



#50
Toluene-d8
Concen: 48.635 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX019807.D
Acq: 10 Dec 2020 03:48

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.4	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 267.358 ug/l

RT: 8.62 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VX019807.D

Acq: 10 Dec 2020 03:48

Instrument :

MSVOA_X

ClientSampleId :

TU032-32-5226-120820MS

Tot Ion: 43 Resp: 1072794

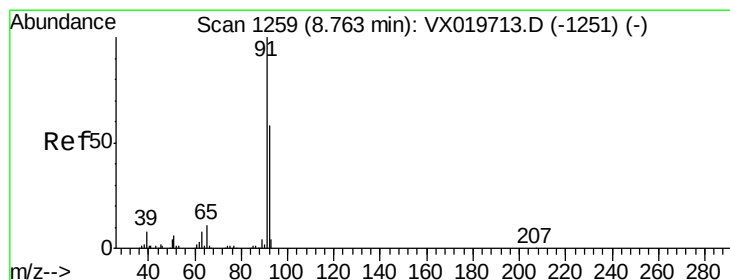
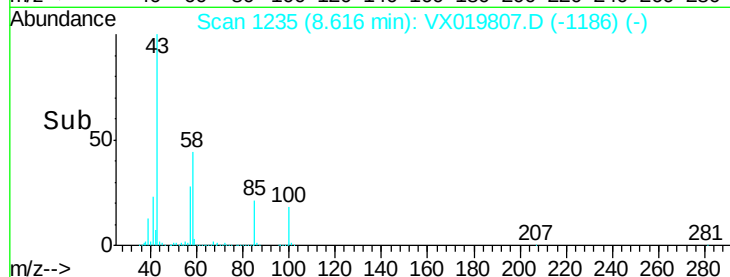
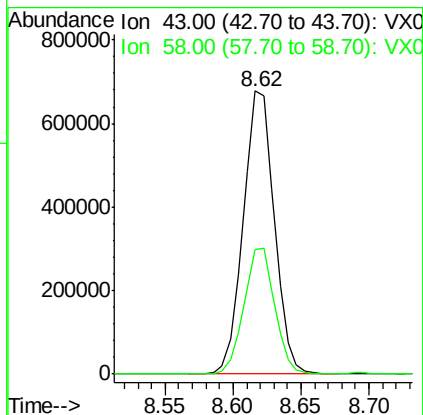
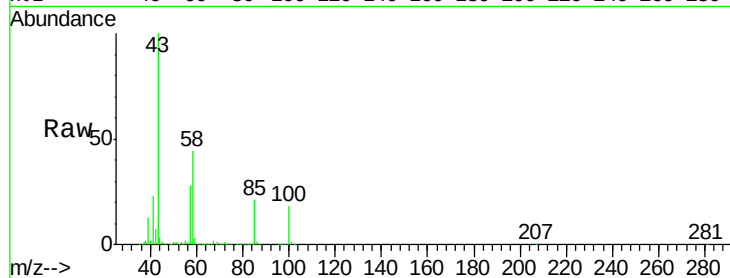
Ion Ratio Lower Upper

43 100

58 44.3 35.4 53.0

Manual Integrations
APPROVED

MMDadoda
12/10/2020 9:31:14 AM



#52

Toluene

Concen: 51.445 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VX019807.D

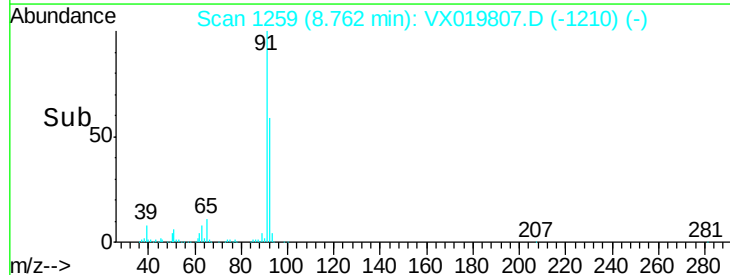
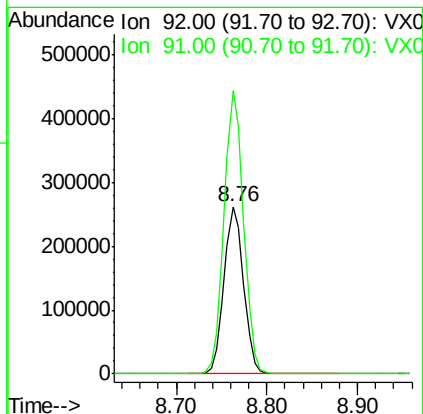
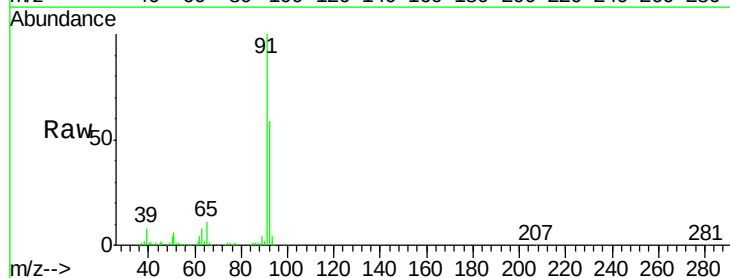
Acq: 10 Dec 2020 03:48

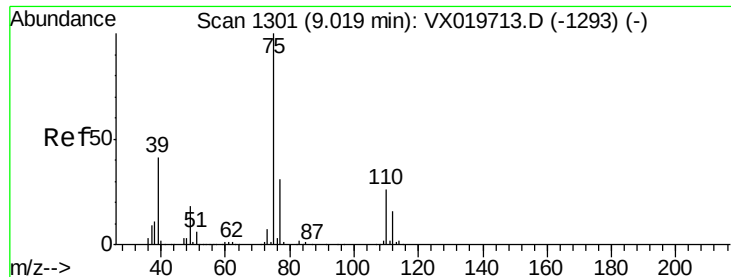
Tgt Ion: 92 Resp: 393523

Ion Ratio Lower Upper

92 100

91 169.0 137.1 205.7





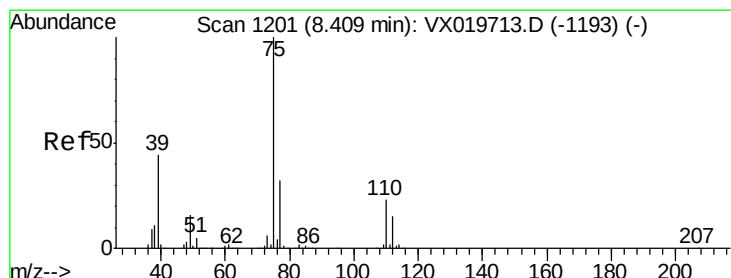
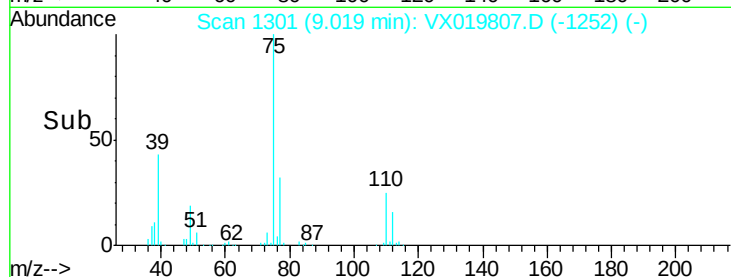
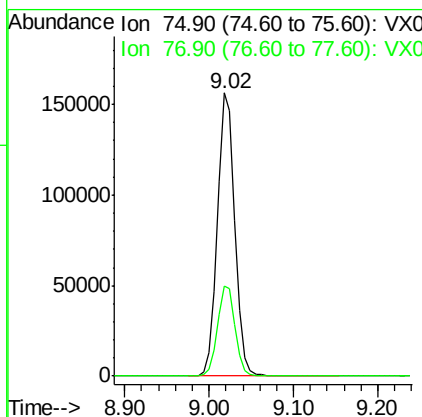
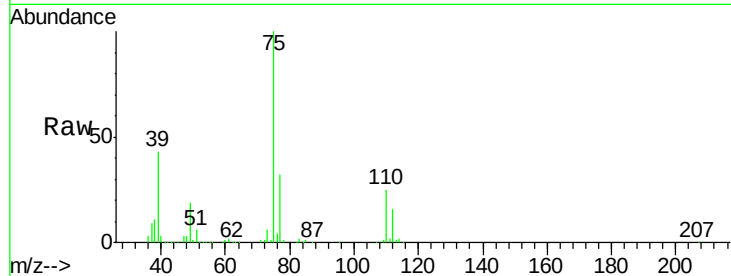
#53
t-1,3-Dichloropropene
Concen: 49.347 ug/l
RT: 9.02 min Scan# 1301
Delta R.T. -0.00 min
Lab File: VX019807.D
Acq: 10 Dec 2020 03:48

Instrument :
MSVOA_X
ClientSampleId :
TU032-32-5226-120820MS

Tot Ion: 75 Resp: 224303
Ion Ratio Lower Upper
75 100
77 32.0 24.9 37.3

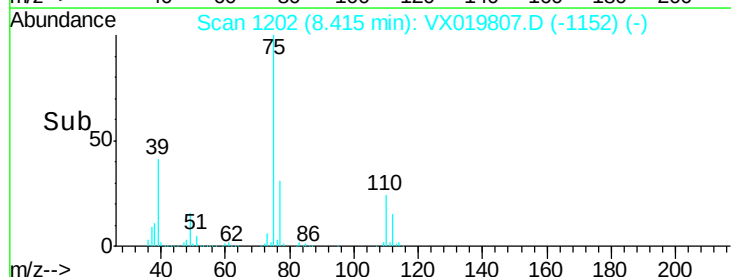
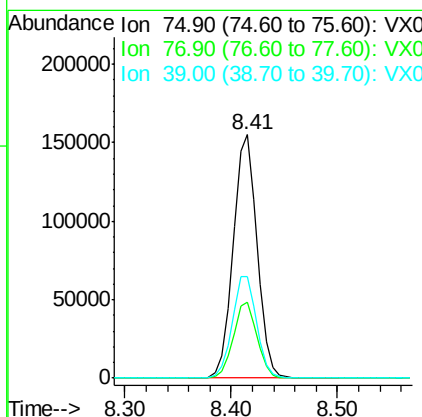
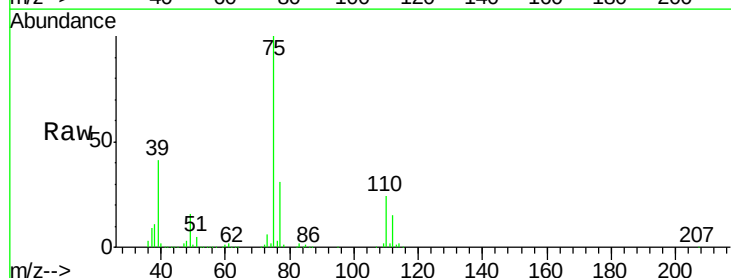
Manual Integrations
APPROVED

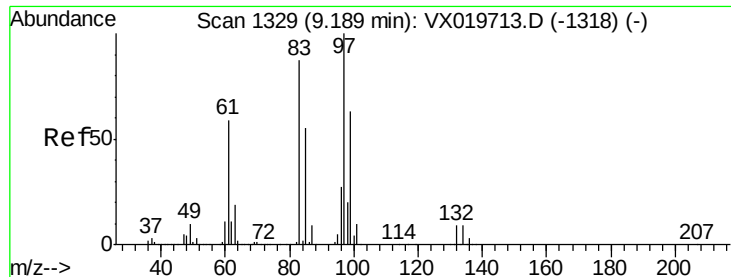
MMDadoda
12/10/2020 9:31:14 AM



#54
cis-1,3-Dichloropropene
Concen: 49.451 ug/l
RT: 8.41 min Scan# 1202
Delta R.T. 0.01 min
Lab File: VX019807.D
Acq: 10 Dec 2020 03:48

Tgt Ion: 75 Resp: 244195
Ion Ratio Lower Upper
75 100
77 31.4 25.7 38.5
39 41.4 35.1 52.7





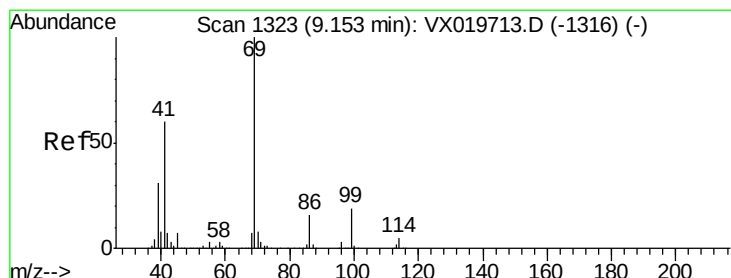
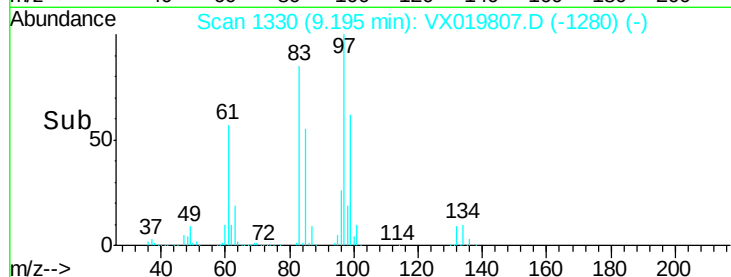
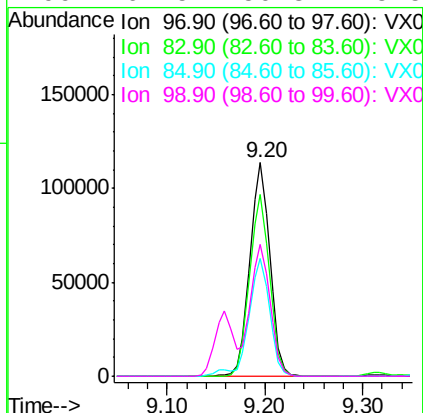
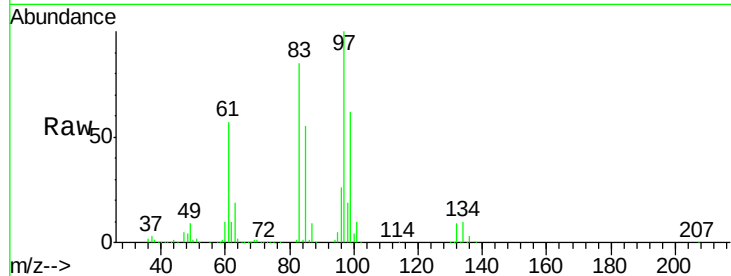
#55
 1,1,2-Trichloroethane
 Concen: 52.710 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. 0.01 min
 Lab File: VX019807.D
 Acq: 10 Dec 2020 03:48

Instrument :
 MSVOA_X
 ClientSampleId :
 TU032-32-5226-120820MS

Tot Ion:	97	Resp:	162482
Ion	Ratio	Lower	Upper
97	100		
83	85.3	69.3	103.9
85	54.9	44.3	66.5
99	61.5	50.3	75.5

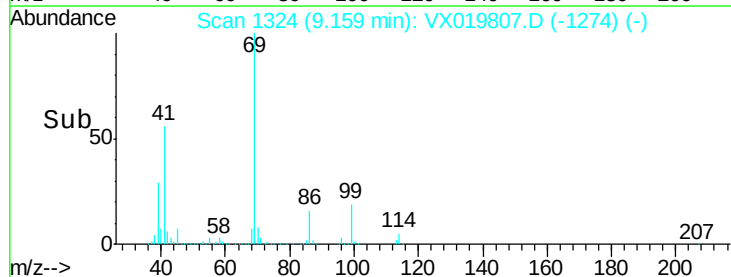
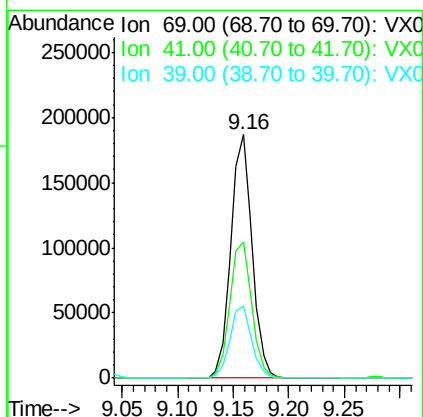
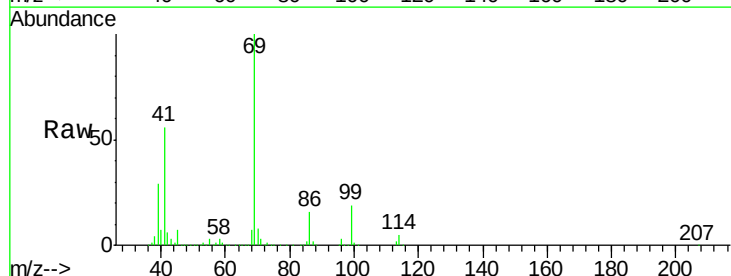
Manual Integrations
 APPROVED

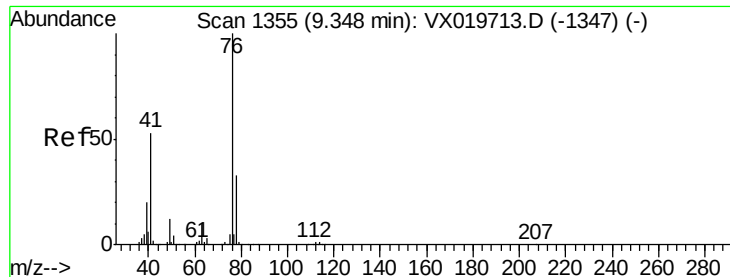
MMDadoda
 12/10/2020 9:31:14 AM



#56
 Ethyl methacrylate
 Concen: 52.854 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. 0.01 min
 Lab File: VX019807.D
 Acq: 10 Dec 2020 03:48

Tgt Ion:	69	Resp:	246502
Ion	Ratio	Lower	Upper
69	100		
41	57.8	46.8	70.2
39	30.4	24.7	37.1





#57

1,3-Dichloropropane

Concen: 51.810 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. 0.01 min

Lab File: VX019807.D

Acq: 10 Dec 2020 03:48

Instrument :

MSVOA_X

ClientSampleId :

TU032-32-5226-120820MS

Tot Ion: 76 Resp: 272704

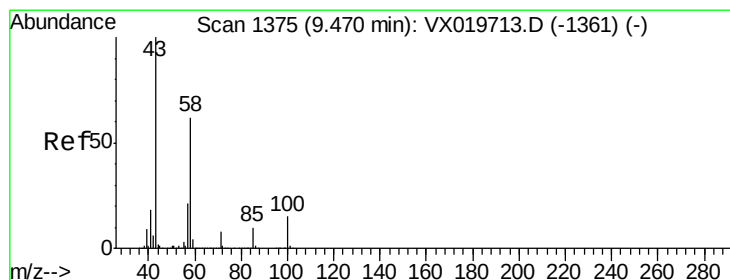
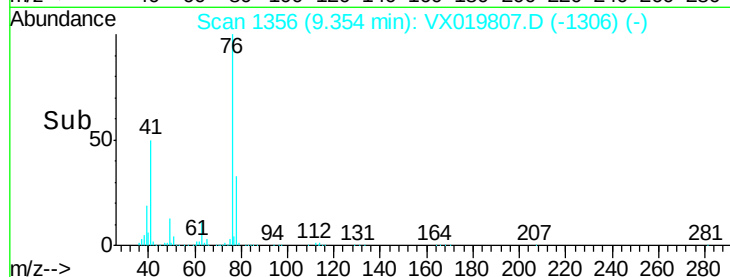
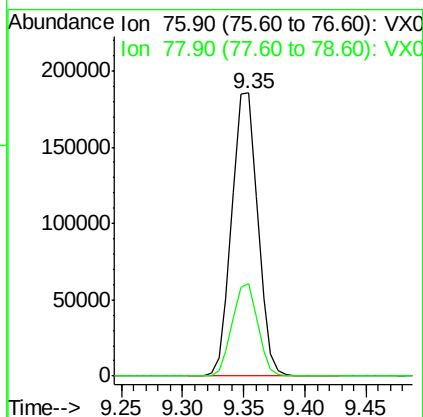
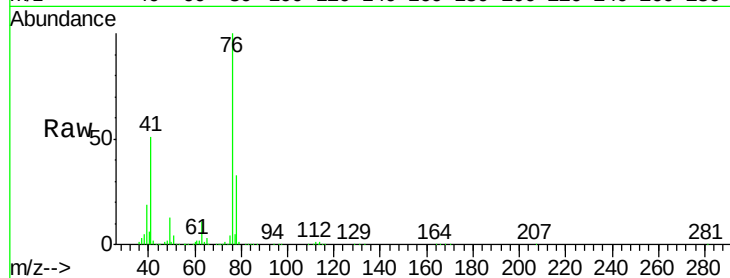
Ion Ratio Lower Upper

76 100

78 32.3 26.2 39.2

Manual Integrations
APPROVED

MMDadoda
12/10/2020 9:31:14 AM



#59

2-Hexanone

Concen: 263.449 ug/l

RT: 9.47 min Scan# 1375

Delta R.T. -0.00 min

Lab File: VX019807.D

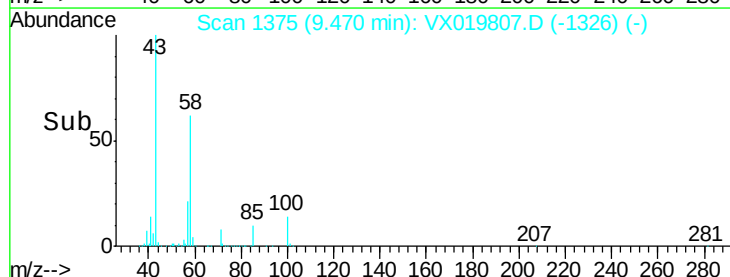
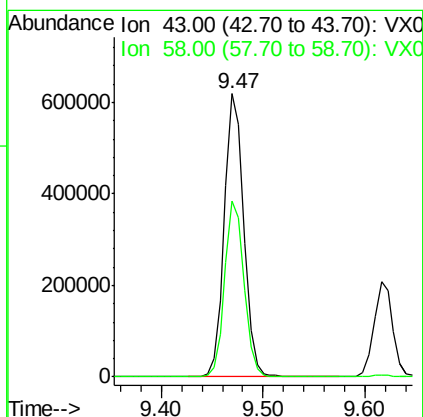
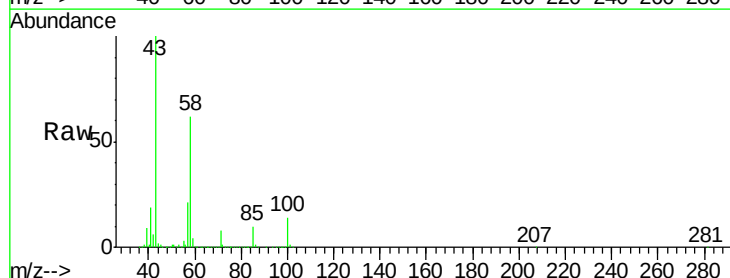
Acq: 10 Dec 2020 03:48

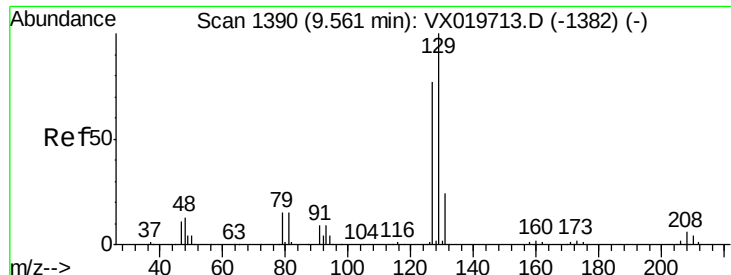
Tgt Ion: 43 Resp: 819397

Ion Ratio Lower Upper

43 100

58 61.9 30.9 92.8





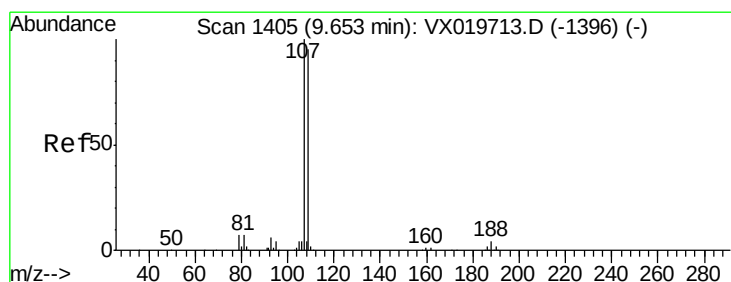
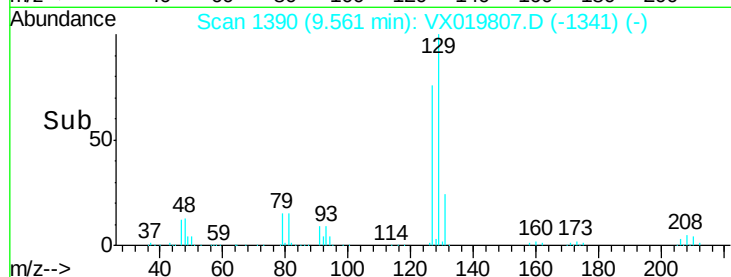
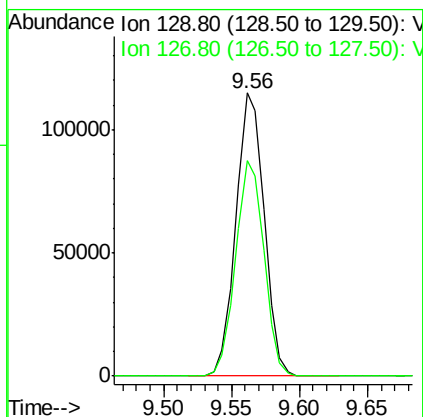
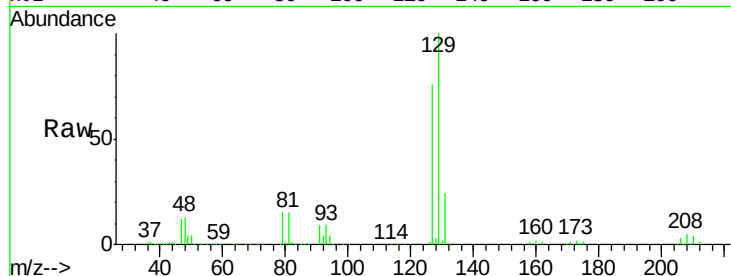
#60
Dibromochloromethane
Concen: 53.162 ug/l
RT: 9.56 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VX019807.D
Acq: 10 Dec 2020 03:48

Instrument :
MSVOA_X
ClientSampleId :
TU032-32-5226-120820MS

Tot Ion	Ratio	Lower	Upper
129	100		
127	76.5	38.4	115.2

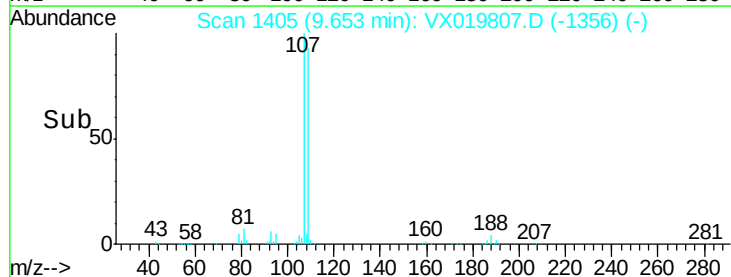
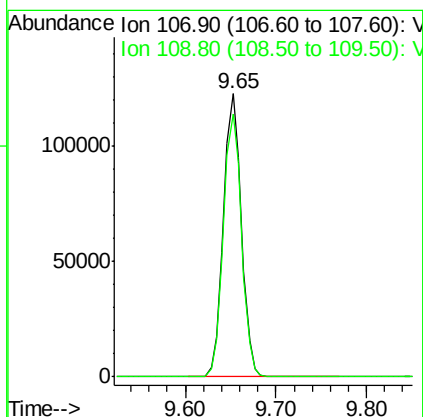
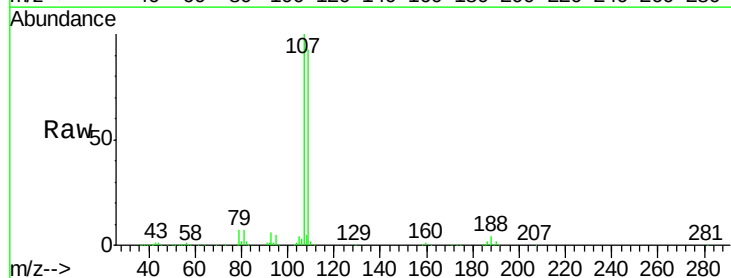
Manual Integrations
APPROVED

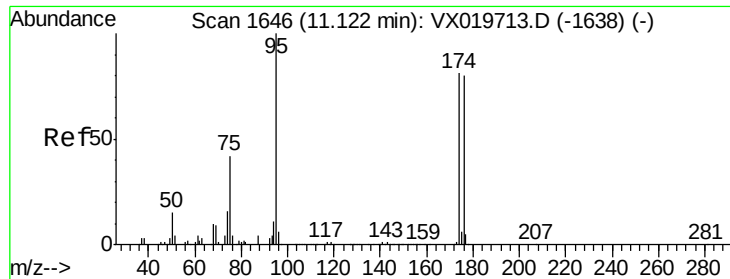
MMDadoda
12/10/2020 9:31:14 AM



#61
1,2-Dibromoethane
Concen: 51.753 ug/l
RT: 9.65 min Scan# 1405
Delta R.T. -0.00 min
Lab File: VX019807.D
Acq: 10 Dec 2020 03:48

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.7	75.8	113.6





#62

4-Bromofluorobenzene

Concen: 47.664 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019807.D

Acq: 10 Dec 2020 03:48

Instrument :

MSVOA_X

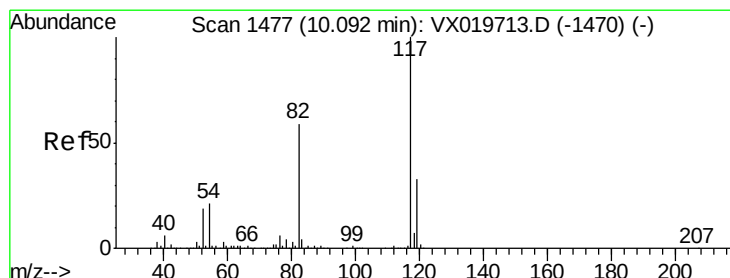
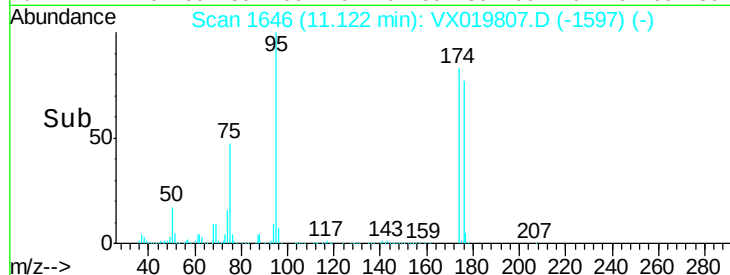
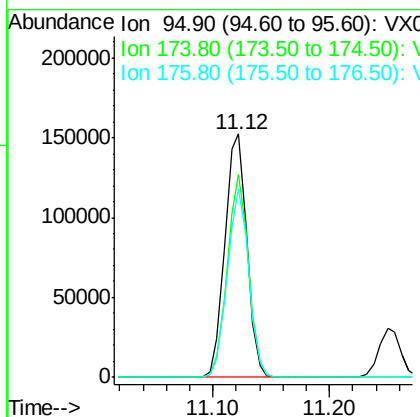
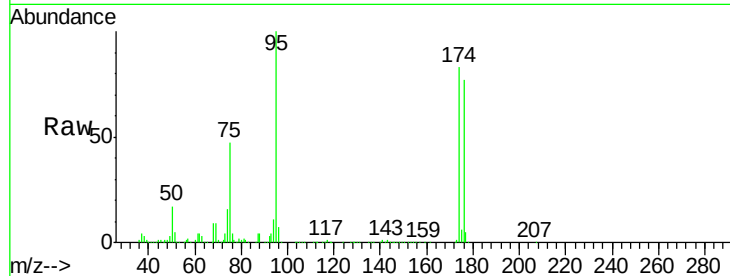
ClientSampleId :

TU032-32-5226-120820MS

Tot Ion:	95	Resp:	198328
Ion Ratio	Lower	Upper	
95	100		
174	80.6	0.0	154.6
176	75.7	0.0	155.8

Manual Integrations
APPROVED

MMDadoda
12/10/2020 9:31:14 AM



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

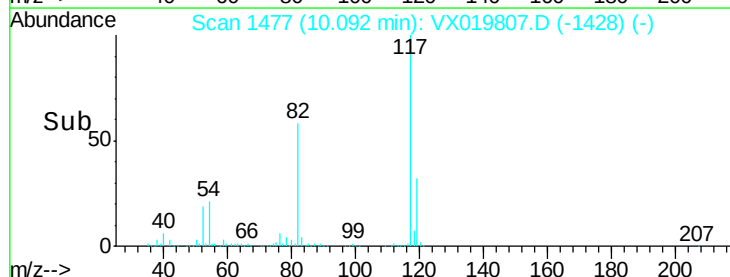
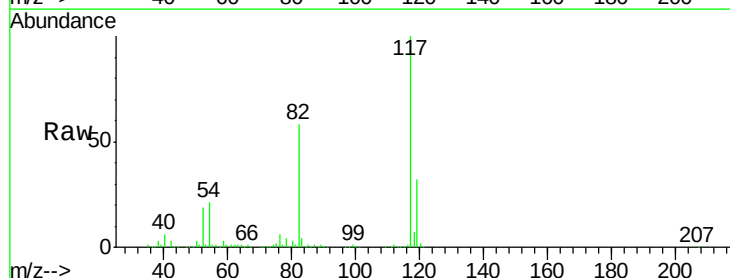
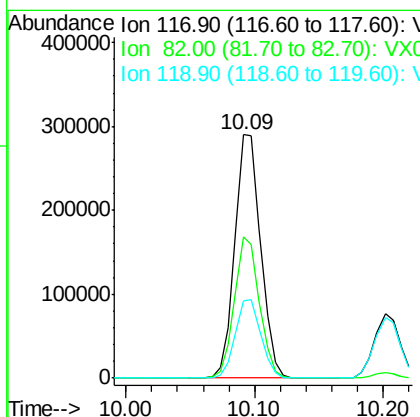
RT: 10.09 min Scan# 1477

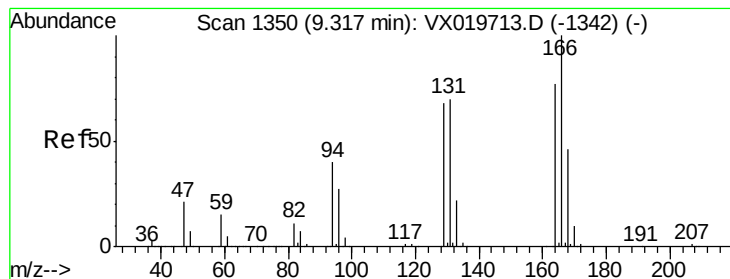
Delta R.T. -0.00 min

Lab File: VX019807.D

Acq: 10 Dec 2020 03:48

Tgt Ion:	117	Resp:	406303
Ion Ratio	Lower	Upper	
117	100		
82	57.8	47.4	71.2
119	31.9	26.6	39.8





#64

Tetrachloroethene

Concen: 50.934 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.00 min

Lab File: VX019807.D

Acq: 10 Dec 2020 03:48

Instrument :

MSVOA_X

ClientSampleId :

TU032-32-5226-120820MS

Tot Ion:164 Resp: 138783

Ion Ratio Lower Upper

164 100

166 129.6 103.4 155.2

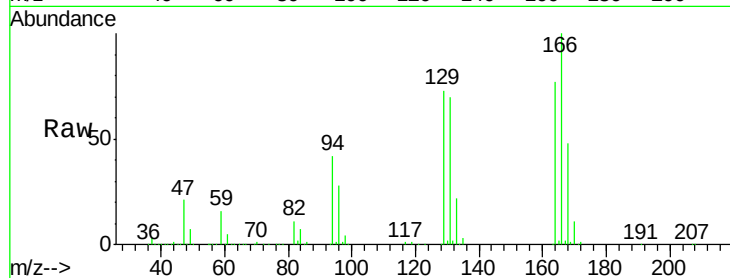
129 95.2 70.8 106.2

131 90.9 72.5 108.7

Manual Integrations
APPROVED

MMDadoda

12/10/2020 9:31:14 AM

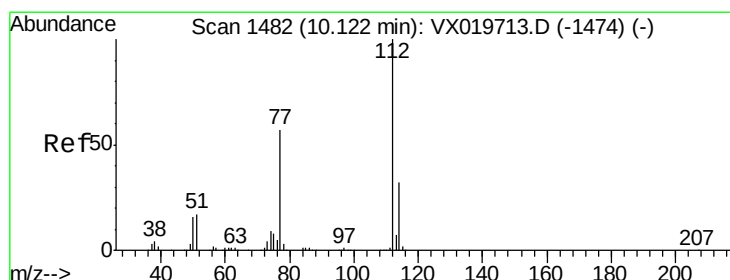
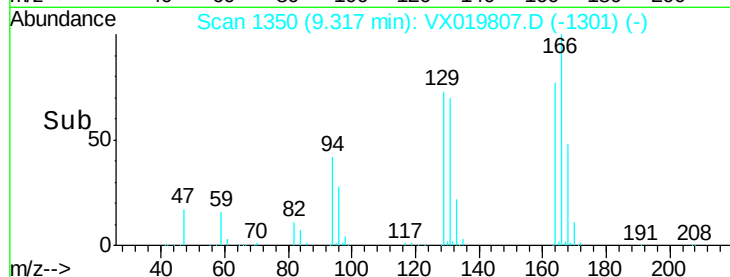
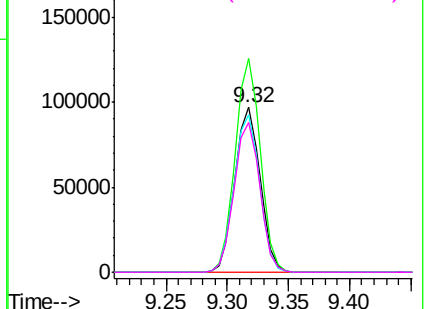


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 50.564 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VX019807.D

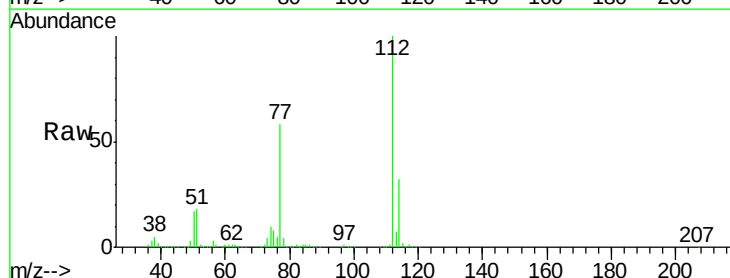
Acq: 10 Dec 2020 03:48

Tgt Ion:112 Resp: 409300

Ion Ratio Lower Upper

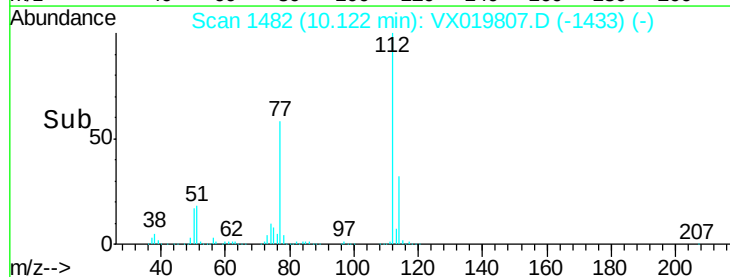
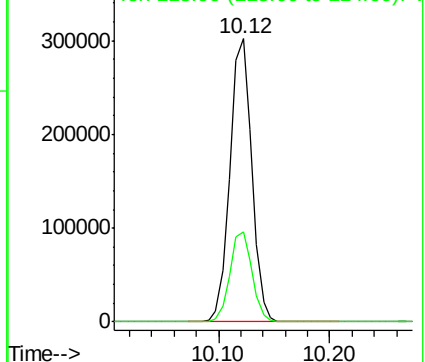
112 100

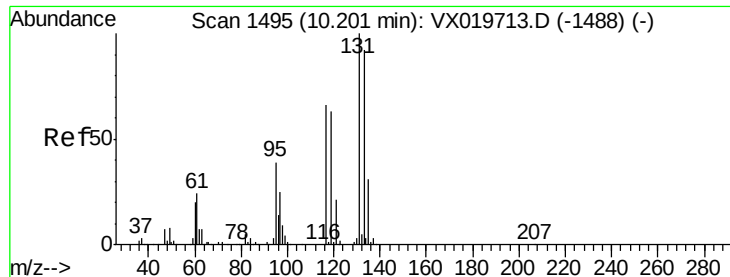
114 32.0 25.8 38.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 52.896 ug/l

RT: 10.20 min Scan# 1495

Delta R.T. -0.00 min

Lab File: VX019807.D

Acq: 10 Dec 2020 03:48

Instrument :

MSVOA_X

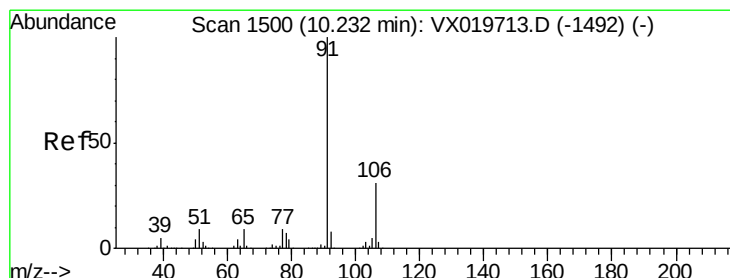
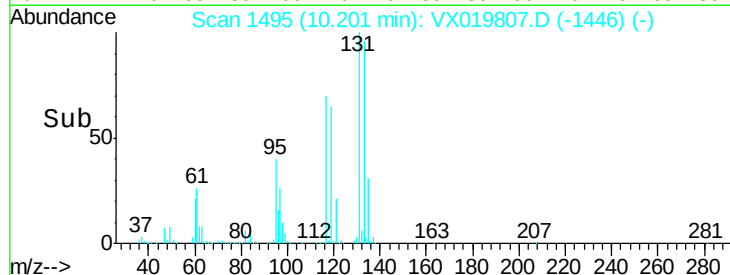
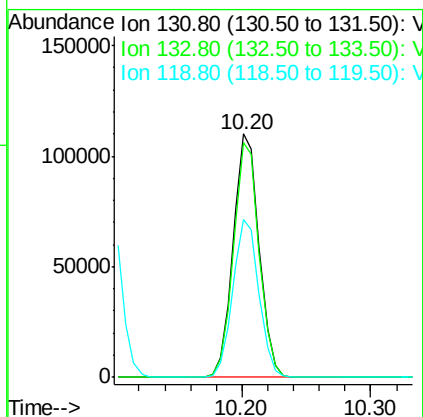
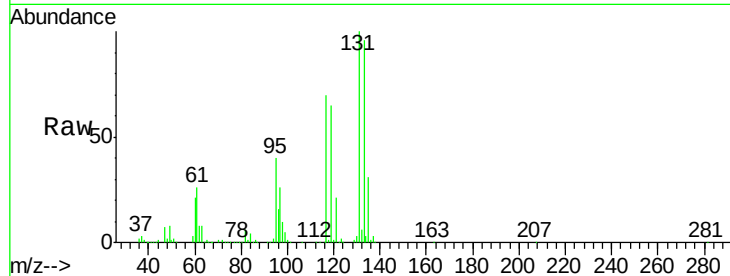
ClientSampleId :

TU032-32-5226-120820MS

Tot Ion:	131	Resp:	154112
Ion Ratio	Lower	Upper	
131	100		
133	95.6	47.7	143.1
119	65.2	32.1	96.5

Manual Integrations
APPROVED

MMDadoda
12/10/2020 9:31:14 AM



#67

Ethyl Benzene

Concen: 51.697 ug/l

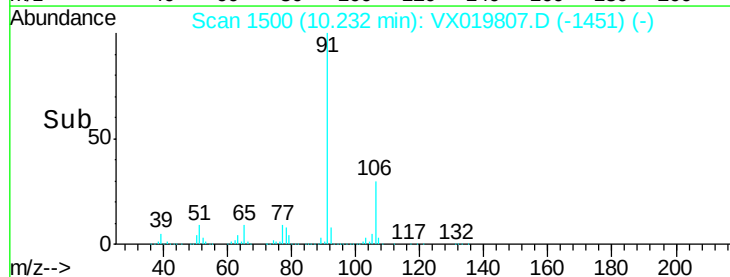
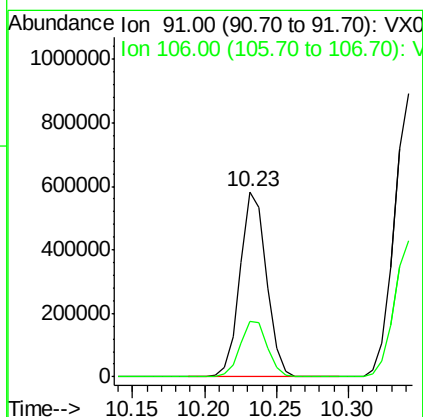
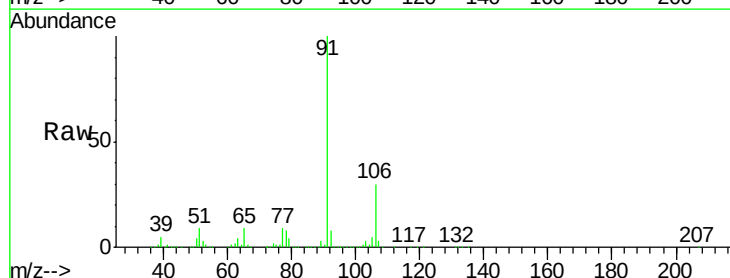
RT: 10.23 min Scan# 1500

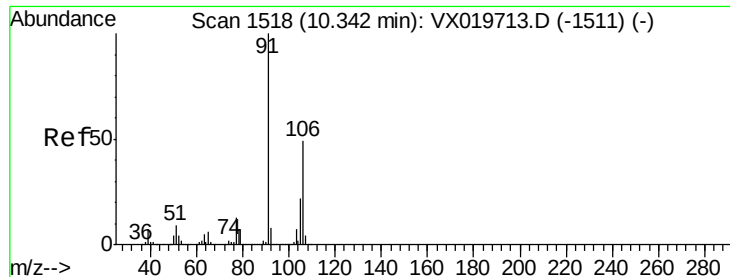
Delta R.T. -0.00 min

Lab File: VX019807.D

Acq: 10 Dec 2020 03:48

Tgt Ion:	91	Resp:	742800
Ion Ratio	Lower	Upper	
91	100		
106	30.0	24.6	37.0





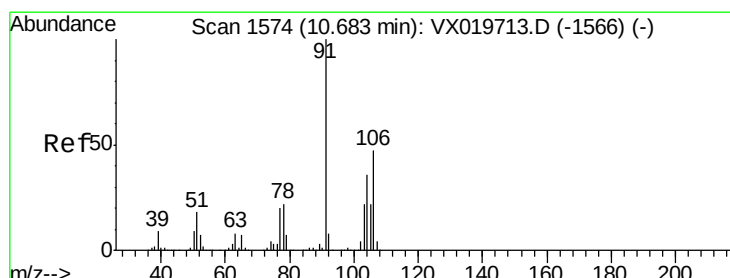
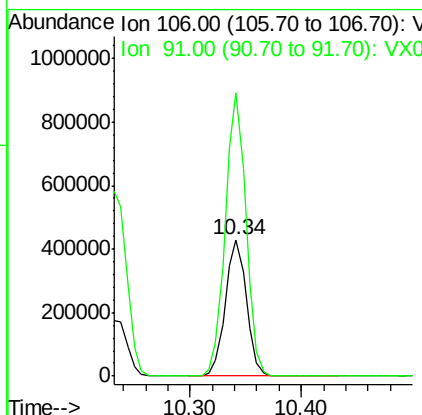
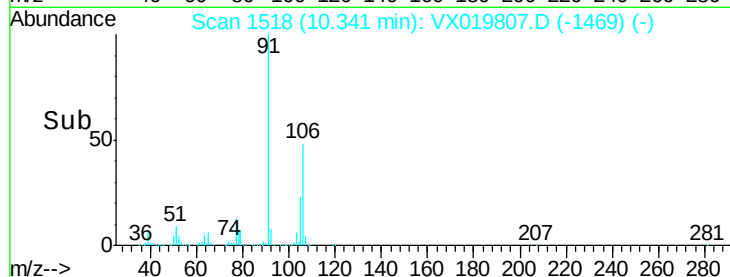
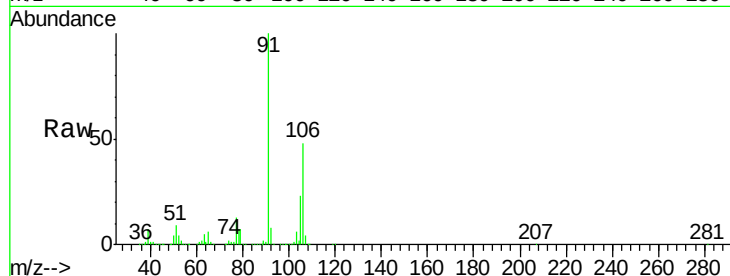
#68
m/p-Xylenes
Concen: 102.941 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VX019807.D
Acq: 10 Dec 2020 03:48

Instrument :
MSVOA_X
ClientSampleId :
TU032-32-5226-120820MS

Tot Ion:106 Resp: 557345
Ion Ratio Lower Upper
106 100
91 205.5 162.8 244.2

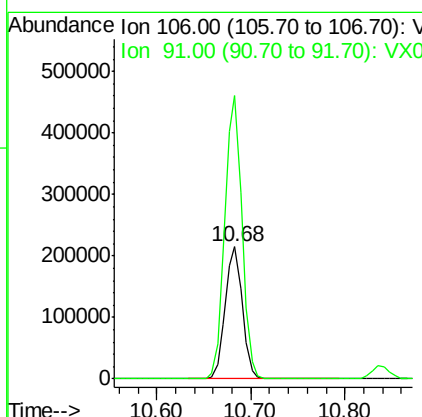
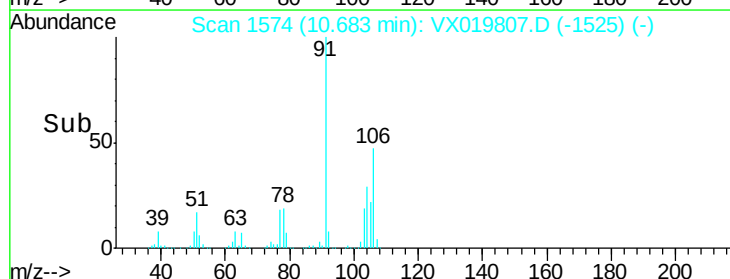
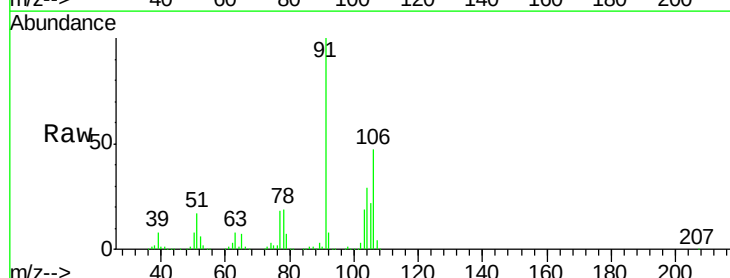
Manual Integrations
APPROVED

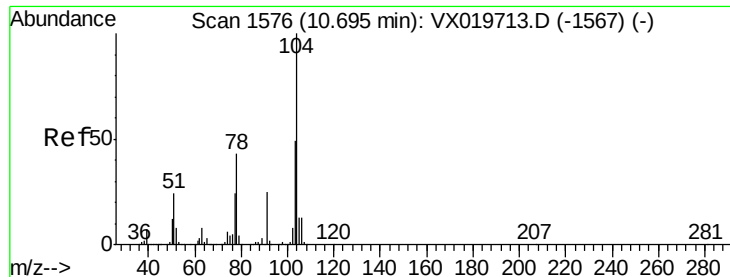
MMDadoda
12/10/2020 9:31:14 AM



#69
o-Xylene
Concen: 51.961 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX019807.D
Acq: 10 Dec 2020 03:48

Tgt Ion:106 Resp: 270623
Ion Ratio Lower Upper
106 100
91 214.8 108.1 324.2





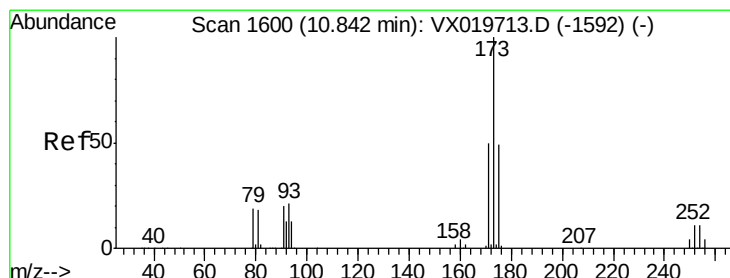
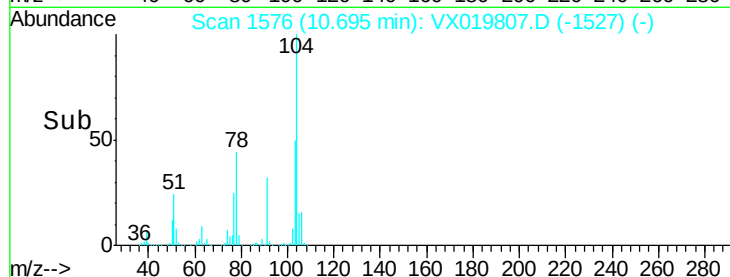
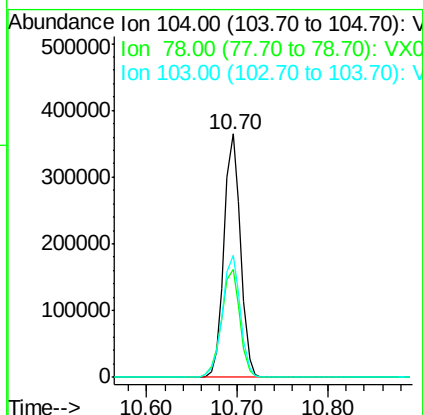
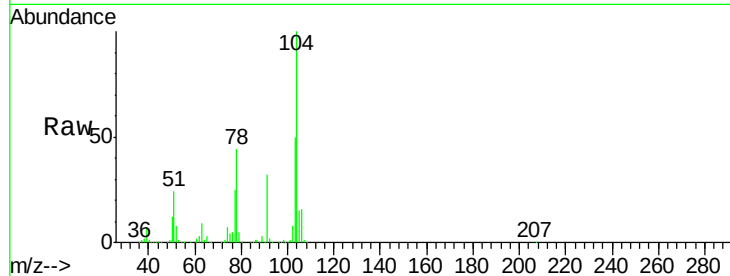
#70
Stvrene
Concen: 52.580 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX019807.D
Acq: 10 Dec 2020 03:48

Instrument :
MSVOA_X
ClientSampleId :
TU032-32-5226-120820MS

Tot Ion:	104	Resp:	462221
Ion Ratio	Lower	Upper	
104	100		
78	49.6	40.0	60.0
103	54.4	43.4	65.0

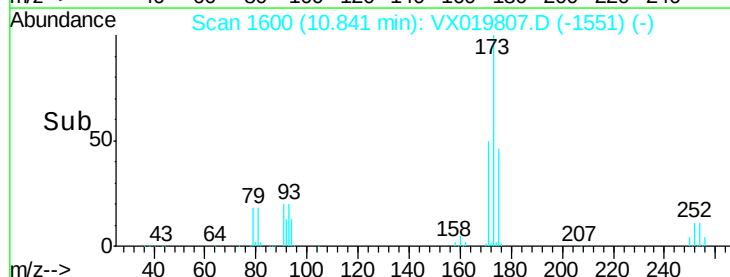
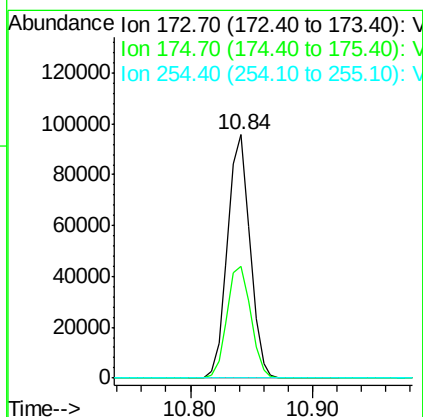
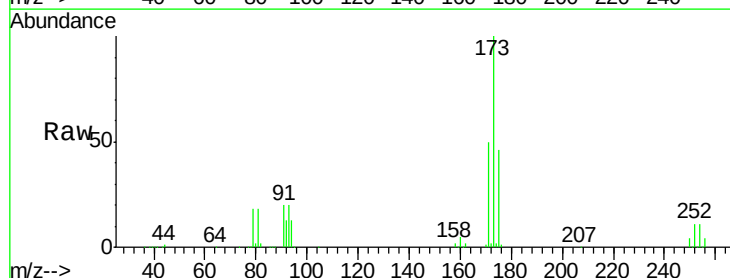
Manual Integrations
APPROVED

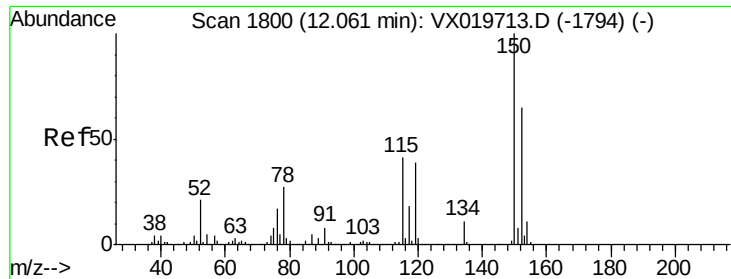
MMDadoda
12/10/2020 9:31:14 AM



#71
Bromoform
Concen: 53.122 ug/l
RT: 10.84 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VX019807.D
Acq: 10 Dec 2020 03:48

Tgt Ion:	173	Resp:	121755
Ion Ratio	Lower	Upper	
173	100		
175	48.7	23.9	71.8
254	0.1	0.1	0.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX019807.D

Acq: 10 Dec 2020 03:48

Instrument :

MSVOA_X

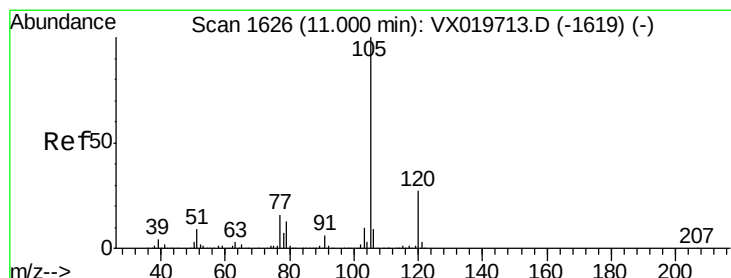
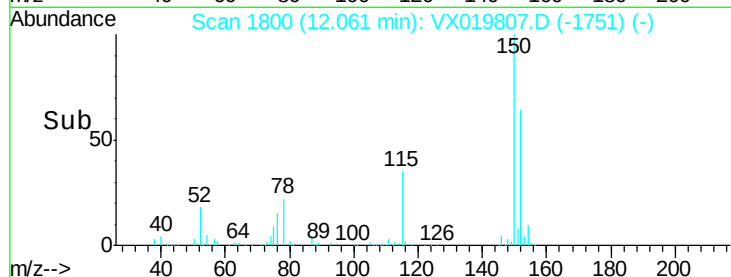
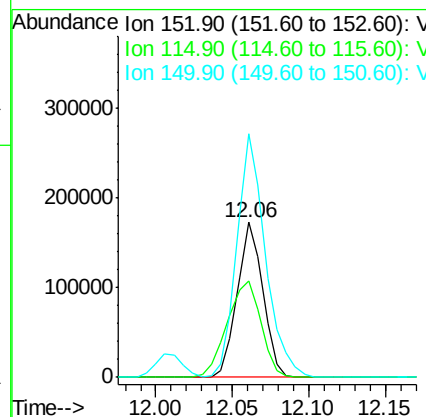
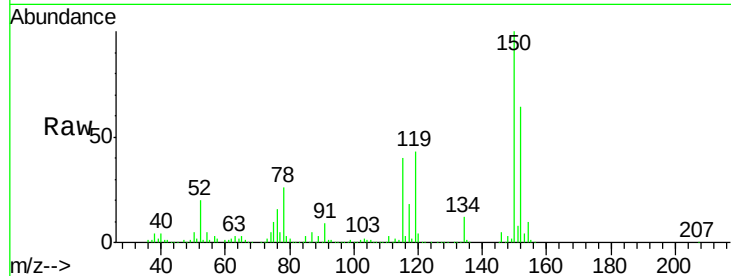
ClientSampleId :

TU032-32-5226-120820MS

Tot Ion:	152	Resp:	202044
Ion Ratio	Lower	Upper	
152	100		
115	81.3	41.1	123.3
150	173.8	0.0	349.0

Manual Integrations
APPROVED

MMDadoda
12/10/2020 9:31:14 AM



#73

Isopropylbenzene

Concen: 52.405 ug/l

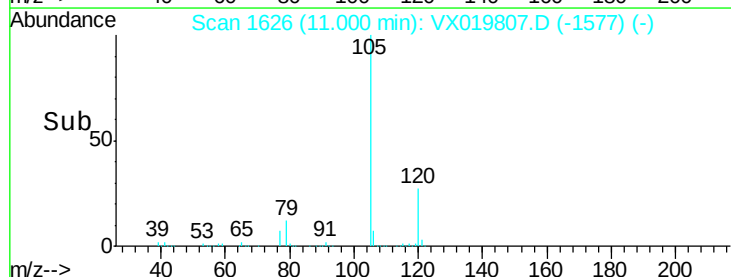
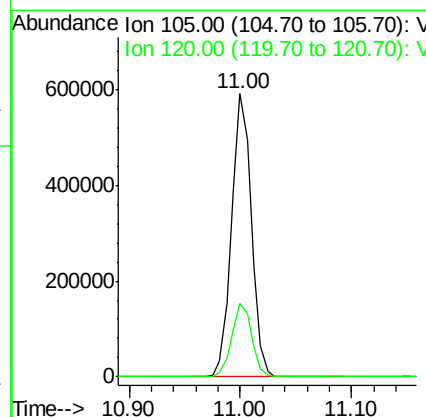
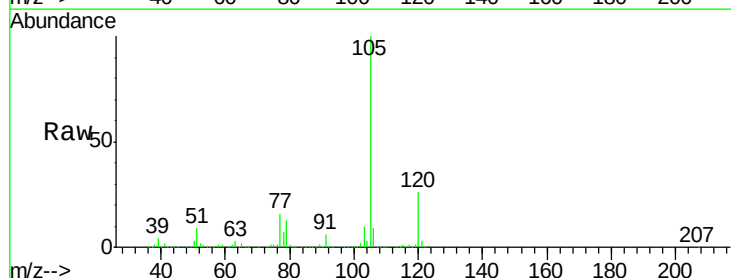
RT: 11.00 min Scan# 1626

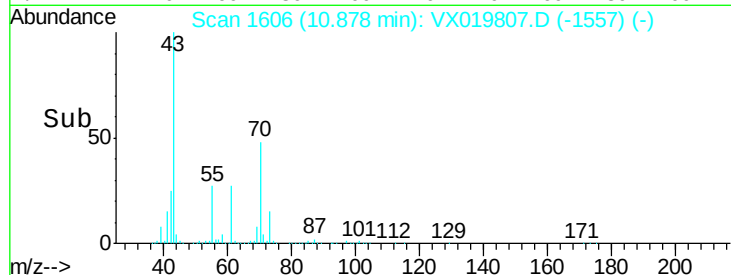
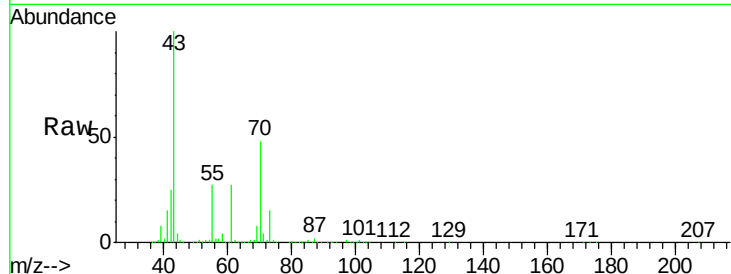
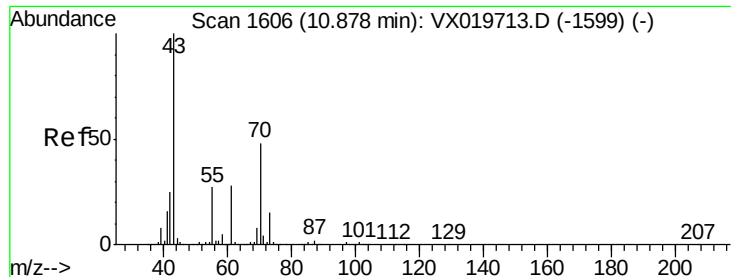
Delta R.T. -0.00 min

Lab File: VX019807.D

Acq: 10 Dec 2020 03:48

Tgt Ion:	105	Resp:	723377
Ion Ratio	Lower	Upper	
105	100		
120	26.1	13.2	39.6





#74

N-amvl acetate

Concen: 47.028 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. -0.00 min

Lab File: VX019807.D

Acq: 10 Dec 2020 03:48

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		260143		
70	48.9	39.0	58.6		
55	27.8	21.5	32.3		
61	27.3	22.1	33.1		

Instrument :

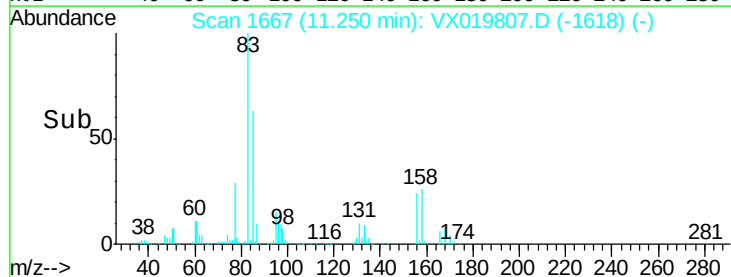
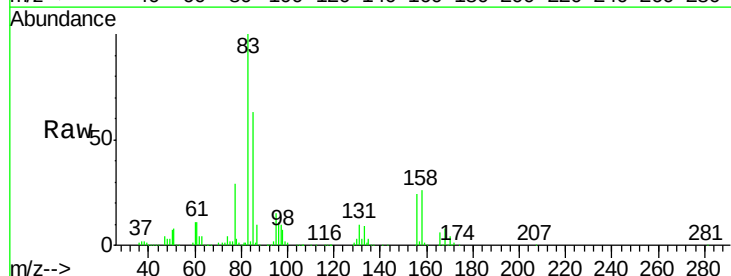
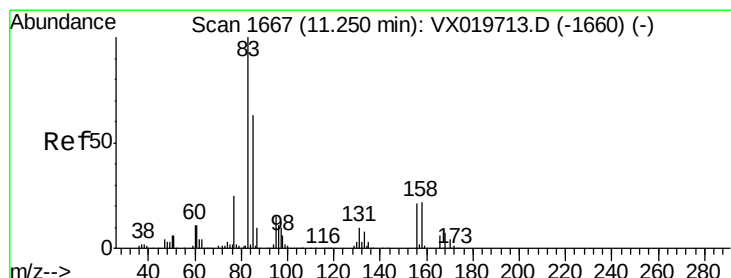
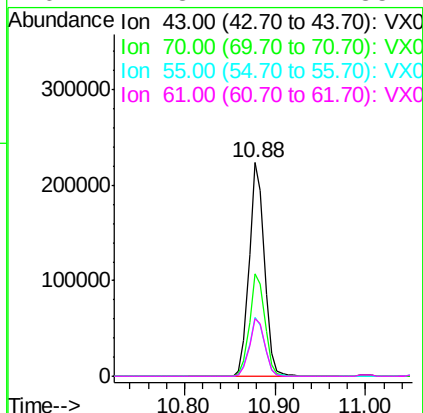
MSVOA_X

ClientSampleId :

TU032-32-5226-120820MS

Manual Integrations
APPROVED

MMDadoda
12/10/2020 9:31:14 AM



#75

1,1,2,2-Tetrachloroethane

Concen: 52.973 ug/l

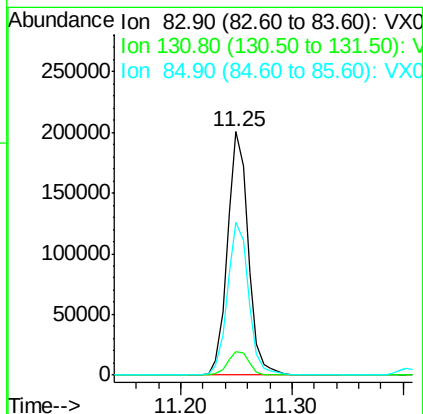
RT: 11.25 min Scan# 1667

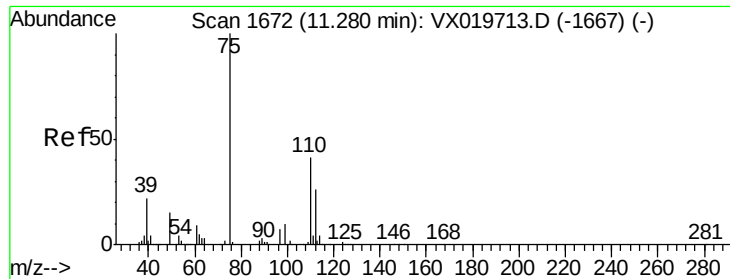
Delta R.T. -0.00 min

Lab File: VX019807.D

Acq: 10 Dec 2020 03:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		257797		
131	10.1	5.1	15.2		
85	64.1	31.8	95.4		





#76

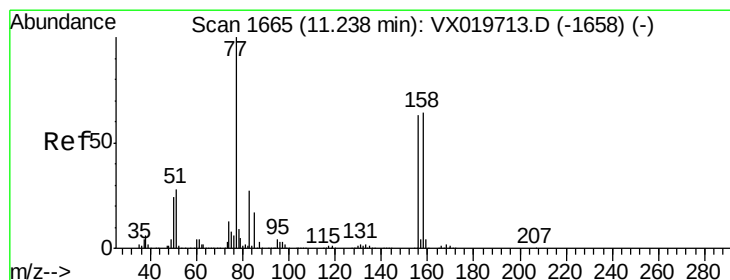
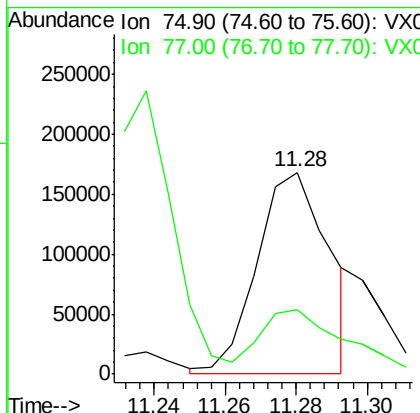
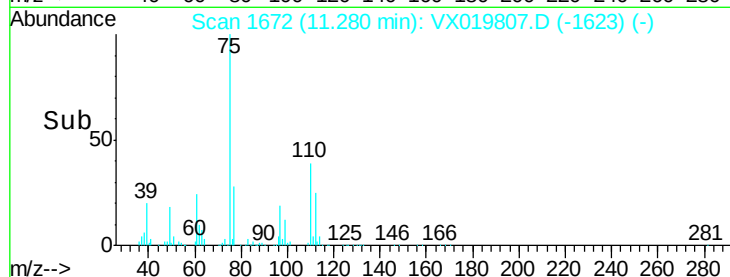
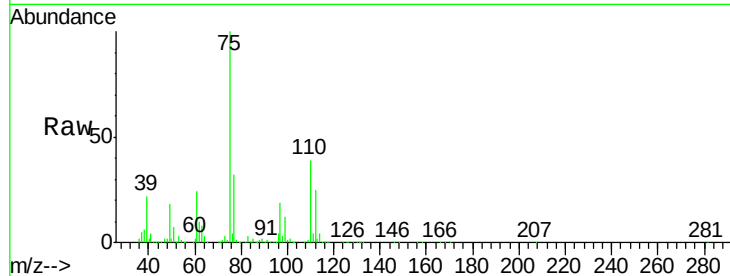
1,2,3-Trichloropropane
Concen: 52.114 ug/l m
RT: 11.28 min Scan# 1672
Delta R.T. -0.00 min
Lab File: VX019807.D
Acq: 10 Dec 2020 03:48

Instrument :
MSVOA_X
ClientSampleId :
TU032-32-5226-120820MS

Tot Ion	Ratio	Lower	Upper
75	100		
77	38.1	19.1	57.5

Manual Integrations
APPROVED

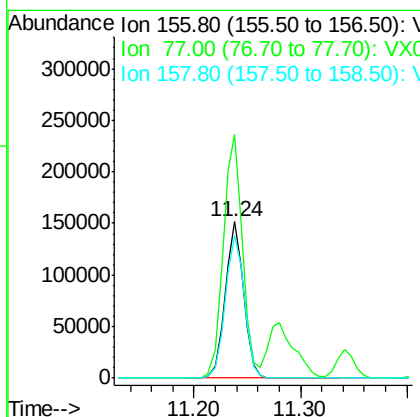
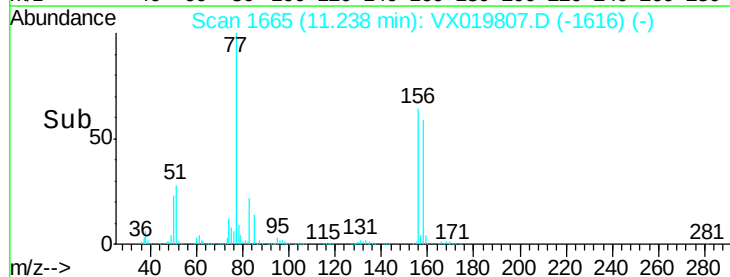
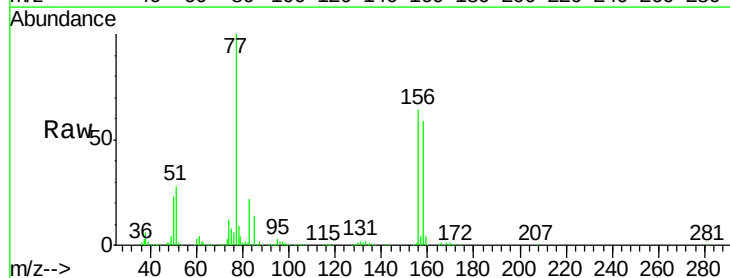
MMDadoda
12/10/2020 9:31:14 AM

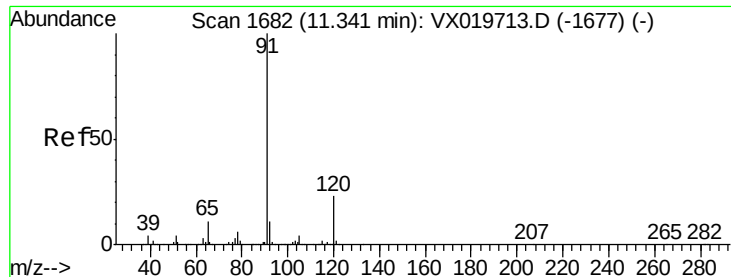


#77

Bromobenzene
Concen: 51.543 ug/l
RT: 11.24 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VX019807.D
Acq: 10 Dec 2020 03:48

Tgt Ion	Ratio	Lower	Upper
156	100		
77	163.0	82.8	248.6
158	95.4	49.1	147.4





#78

n-propylbenzene

Concen: 51.947 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VX019807.D

Acq: 10 Dec 2020 03:48

Instrument :

MSVOA_X

ClientSampleId :

TU032-32-5226-120820MS

Tot Ion: 91 Resp: 818976

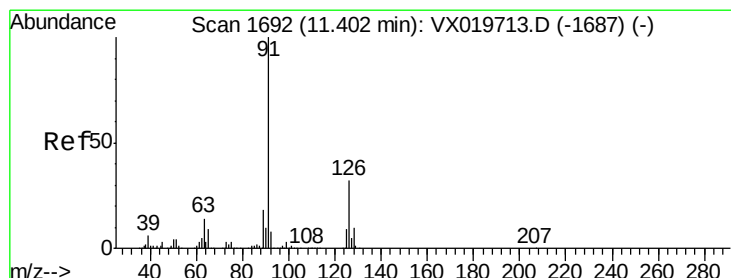
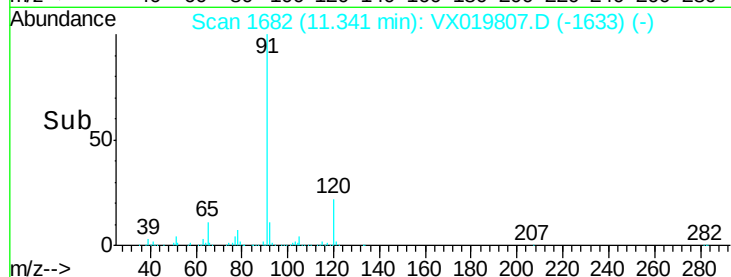
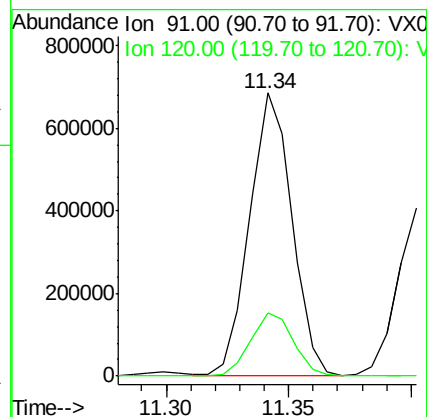
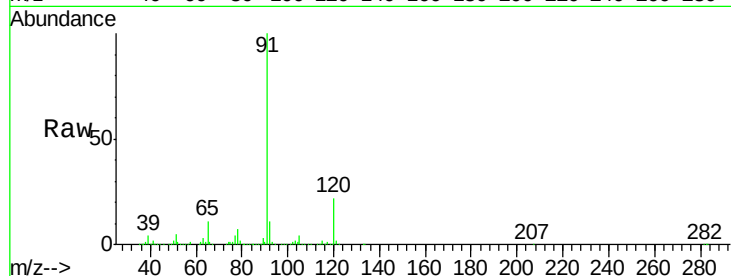
Ion Ratio Lower Upper

91 100

120 22.8 11.5 34.5

Manual Integrations
APPROVED

MMDadoda
12/10/2020 9:31:14 AM



#79

2-Chlorotoluene

Concen: 51.492 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VX019807.D

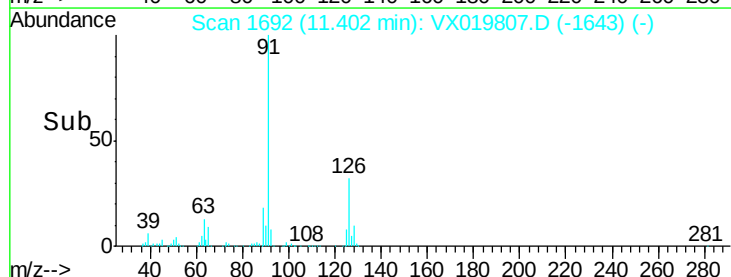
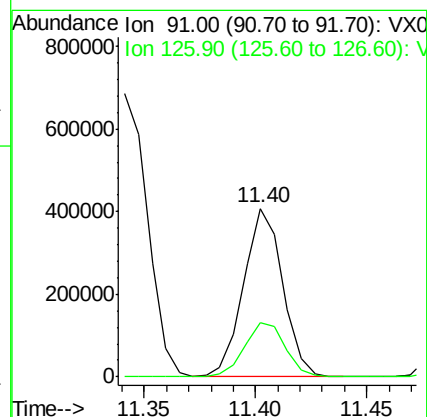
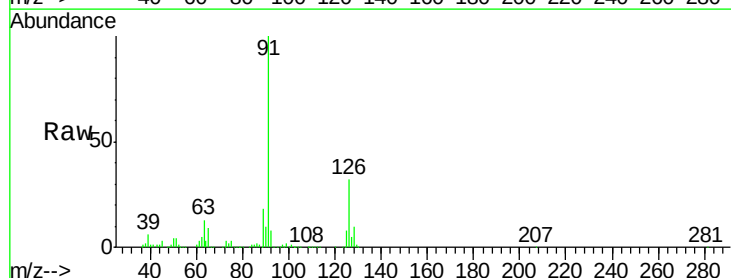
Acq: 10 Dec 2020 03:48

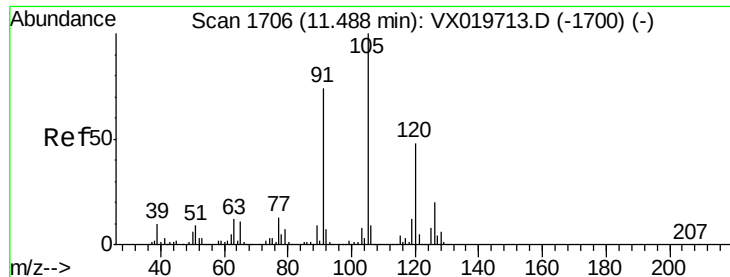
Tgt Ion: 91 Resp: 499929

Ion Ratio Lower Upper

91 100

126 33.5 16.6 49.8





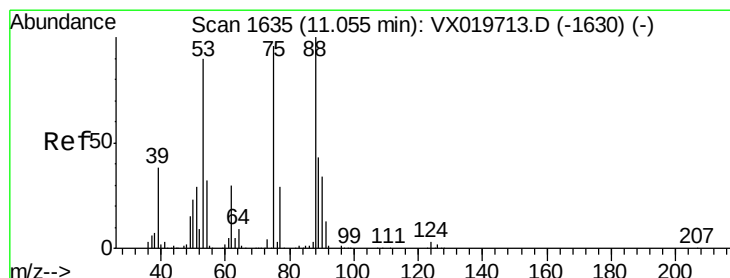
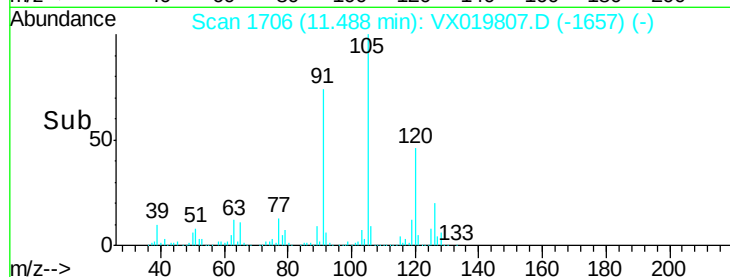
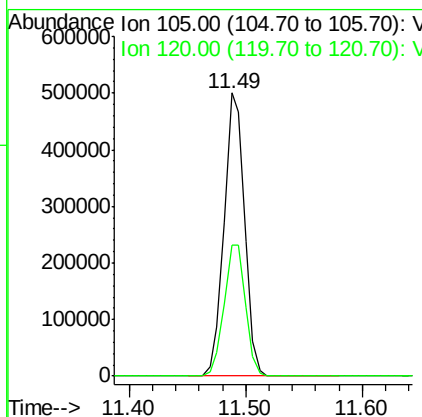
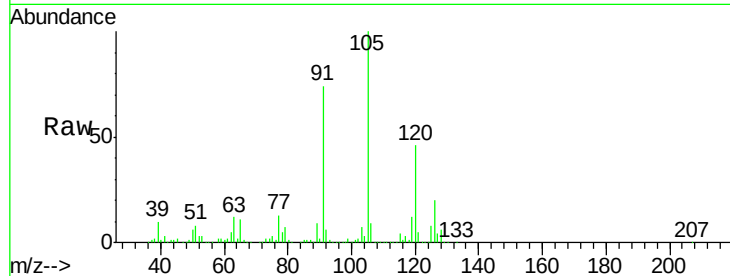
#80
 1,3,5-Trimethylbenzene
 Concen: 52.044 ug/l
 RT: 11.49 min Scan# 1706
 Delta R.T. -0.00 min
 Lab File: VX019807.D
 Acq: 10 Dec 2020 03:48

Instrument :
 MSVOA_X
 ClientSampleId :
 TU032-32-5226-120820MS

Tot Ion	Ratio	Lower	Upper
105	100		
120	48.4	23.8	71.5

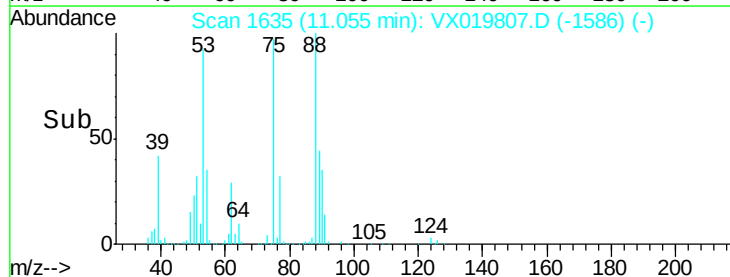
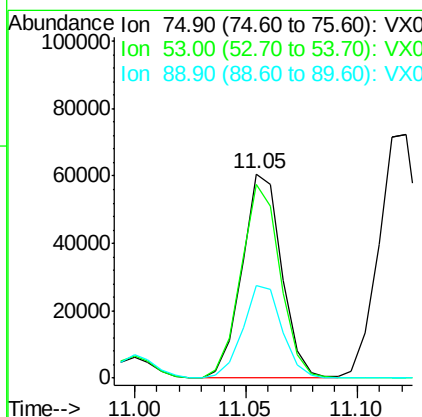
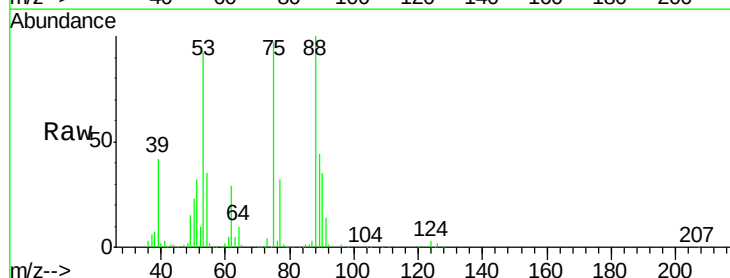
Manual Integrations
 APPROVED

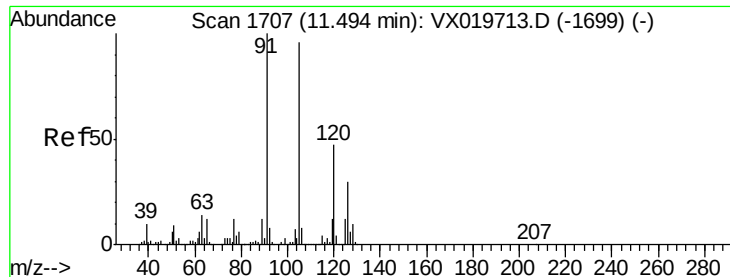
MMDadoda
 12/10/2020 9:31:14 AM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 47.754 ug/l
 RT: 11.05 min Scan# 1635
 Delta R.T. -0.00 min
 Lab File: VX019807.D
 Acq: 10 Dec 2020 03:48

Tgt Ion	Ratio	Lower	Upper
75	100		
53	94.2	74.5	111.7
89	45.6	37.9	56.9





#82

4-Chlorotoluene

Concen: 51.522 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX019807.D

Acq: 10 Dec 2020 03:48

Instrument :

MSVOA_X

ClientSampleId :

TU032-32-5226-120820MS

Tot Ion: 91 Resp: 585848

Ion Ratio Lower Upper

91 100

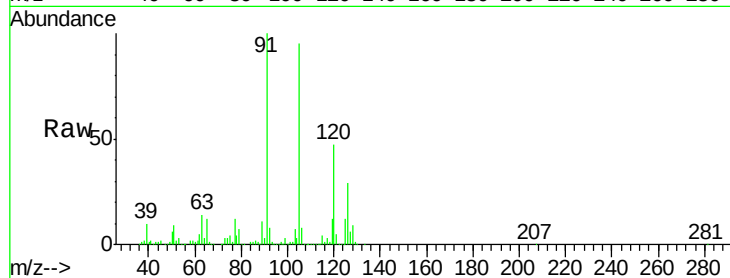
126 29.5 14.9 44.5

Manual Integrations

APPROVED

MMDadoda

12/10/2020 9:31:14 AM

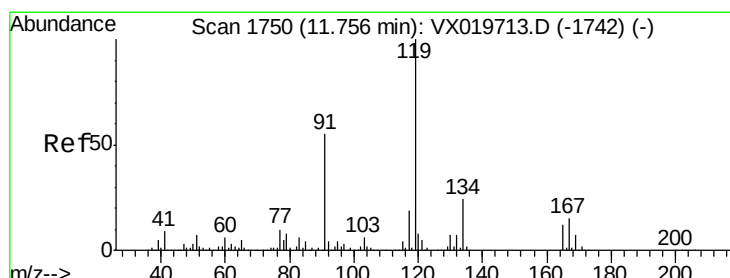
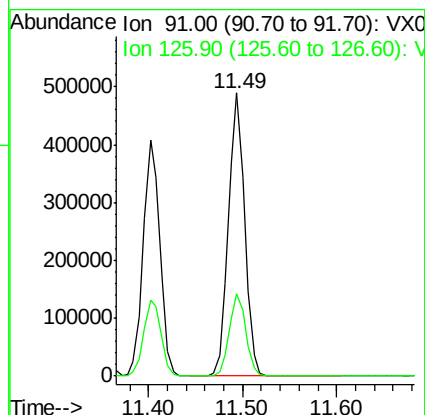
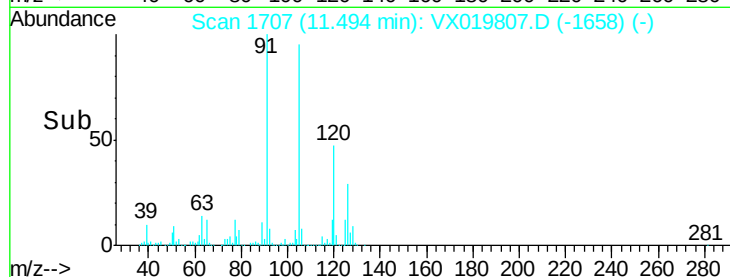


Abundance Ion 91.00 (90.70 to 91.70): VX019807.D (-1658) (-)

Ion 125.90 (125.60 to 126.60): VX019807.D (-1658) (-)

11.49

Time-->



#83

tert-Butylbenzene

Concen: 51.559 ug/l

RT: 11.76 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX019807.D

Acq: 10 Dec 2020 03:48

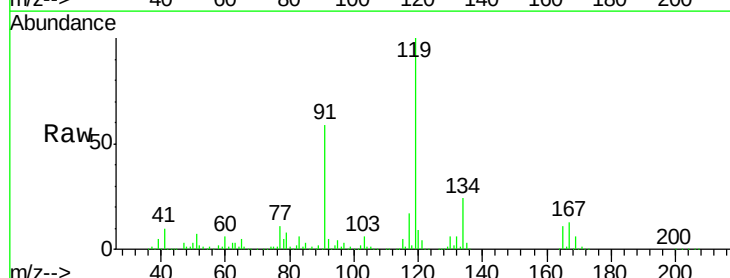
Tgt Ion: 119 Resp: 589095

Ion Ratio Lower Upper

119 100

91 57.2 27.9 83.7

134 22.9 11.3 33.9



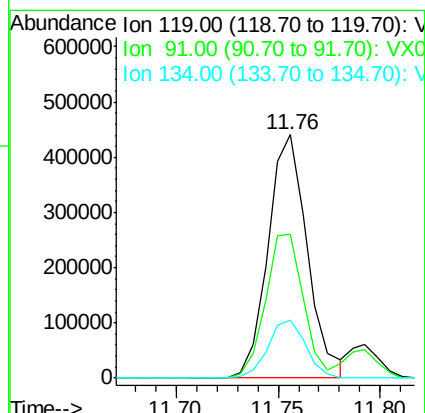
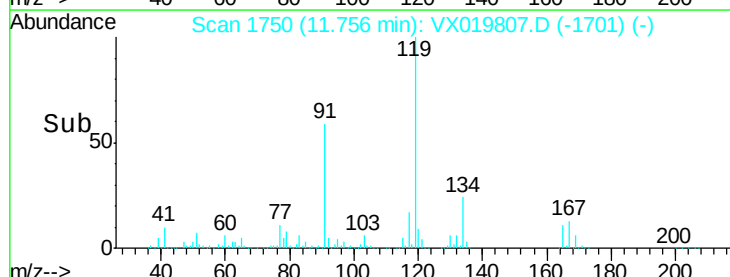
Abundance Ion 119.00 (118.70 to 119.70): VX019807.D (-1701) (-)

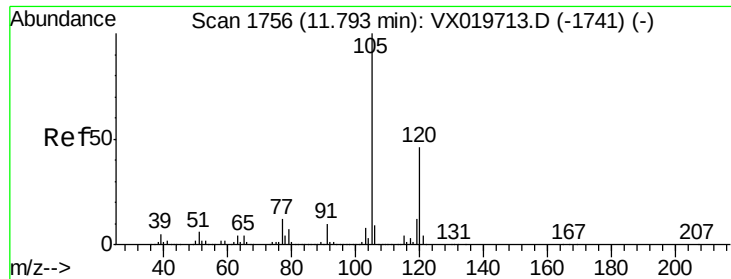
Ion 91.00 (90.70 to 91.70): VX019807.D (-1701) (-)

Ion 134.00 (133.70 to 134.70): VX019807.D (-1701) (-)

11.76

Time-->





#84

1,2,4-Trimethylbenzene

Concen: 52.405 ug/l

RT: 11.79 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VX019807.D

Acq: 10 Dec 2020 03:48

Instrument :

MSVOA_X

ClientSampleId :

TU032-32-5226-120820MS

Tot Ion:105 Resp: 614980

Ion Ratio Lower Upper

105 100

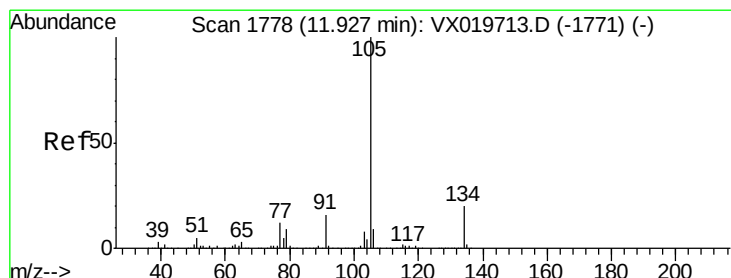
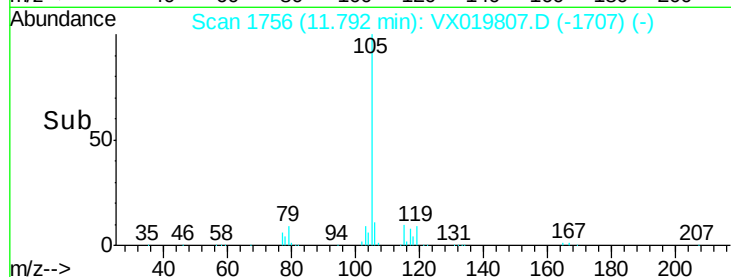
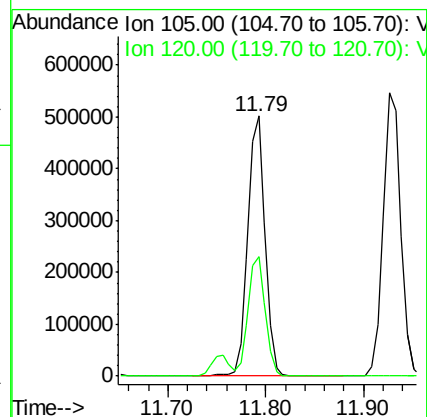
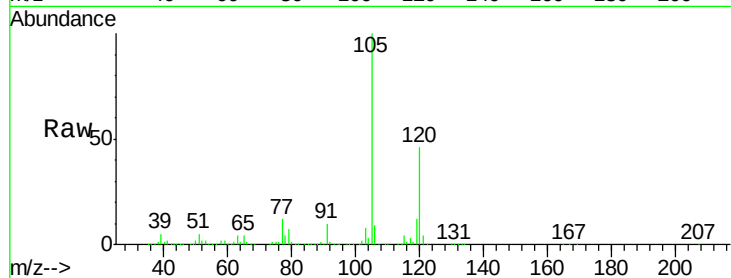
120 45.5 22.4 67.3

Manual Integrations

APPROVED

MMDadoda

12/10/2020 9:31:14 AM



#85

sec-Butylbenzene

Concen: 51.986 ug/l

RT: 11.93 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX019807.D

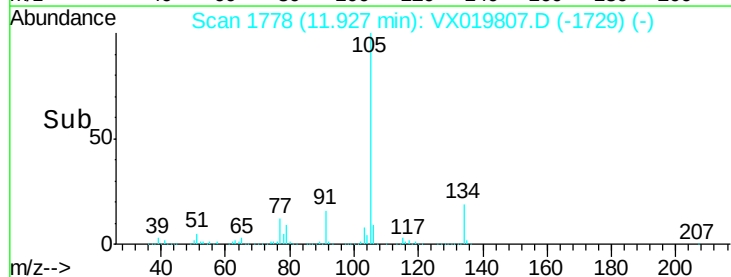
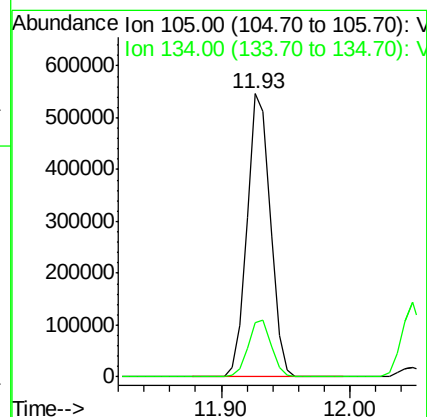
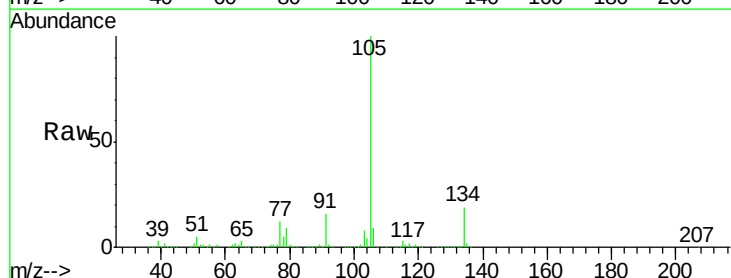
Acq: 10 Dec 2020 03:48

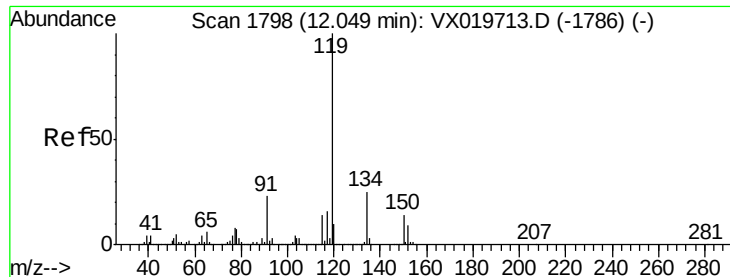
Tgt Ion:105 Resp: 678147

Ion Ratio Lower Upper

105 100

134 20.1 10.0 29.8





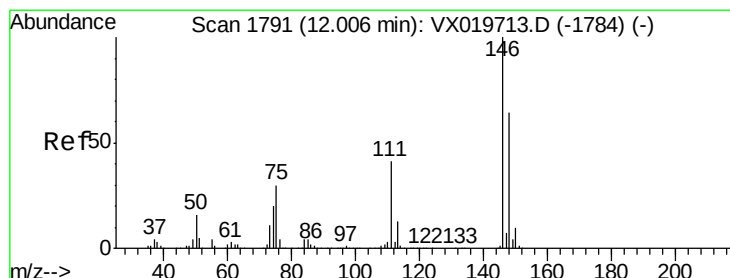
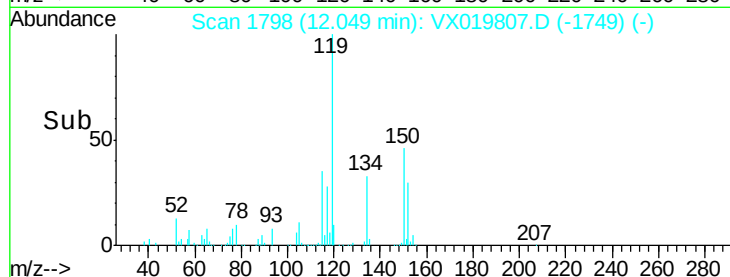
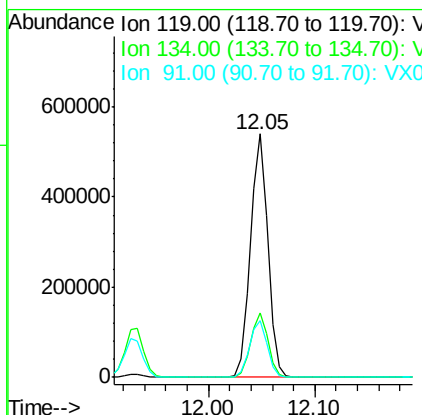
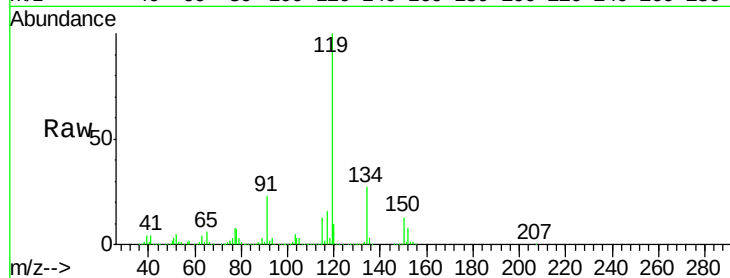
#86
 p-Isopropyltoluene
 Concen: 51.917 ug/l
 RT: 12.05 min Scan# 1798
 Delta R.T. -0.00 min
 Lab File: VX019807.D
 Acq: 10 Dec 2020 03:48

Instrument :
 MSVOA_X
 ClientSampleId :
 TU032-32-5226-120820MS

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.2	12.9	38.7
91	23.7	11.7	35.0

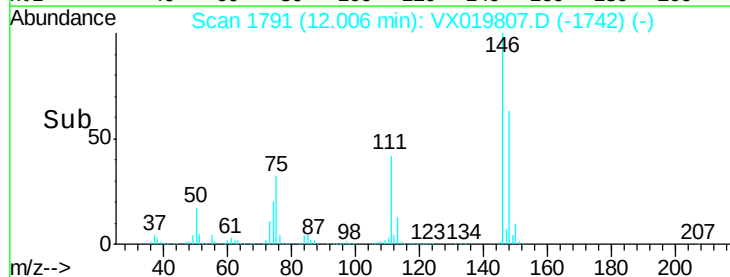
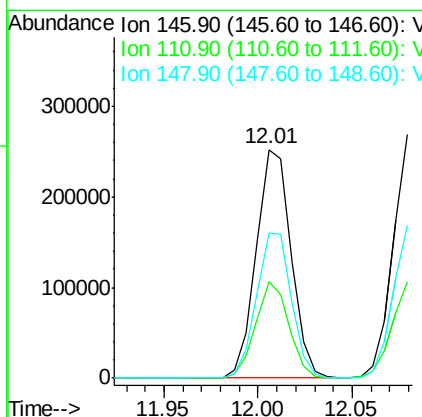
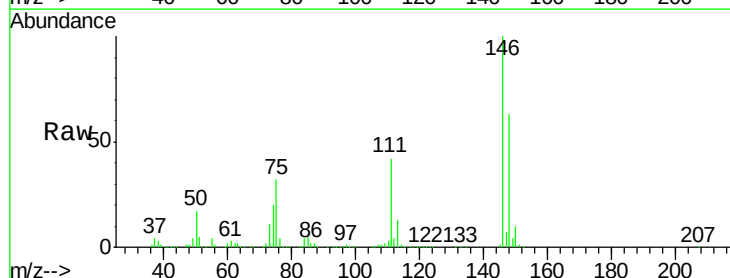
Manual Integrations
 APPROVED

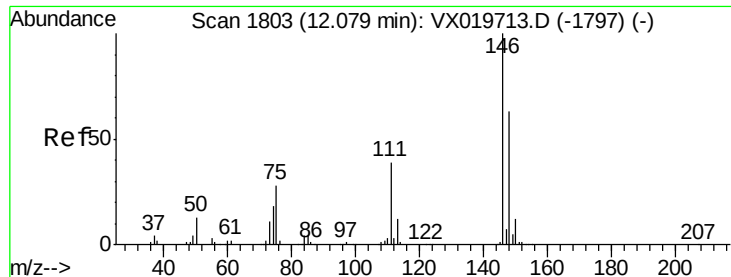
MMDadoda
 12/10/2020 9:31:14 AM



#87
 1,3-Dichlorobenzene
 Concen: 49.942 ug/l
 RT: 12.01 min Scan# 1791
 Delta R.T. -0.00 min
 Lab File: VX019807.D
 Acq: 10 Dec 2020 03:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.2	60.5
148	64.0	31.9	95.7





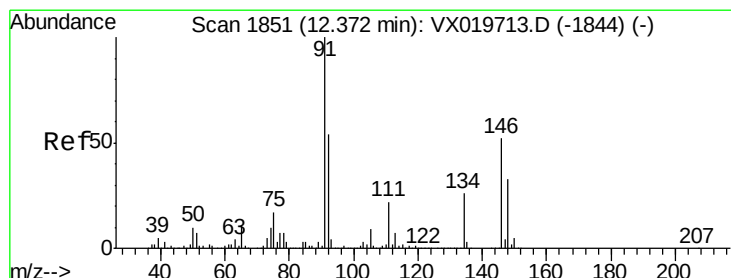
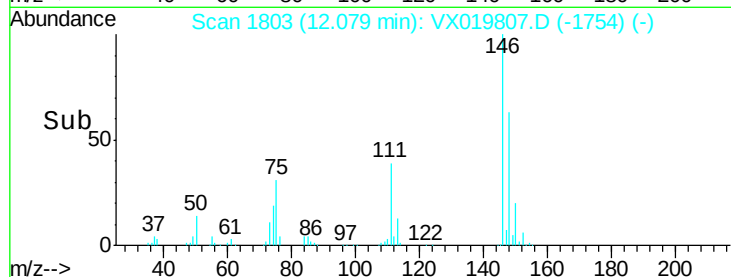
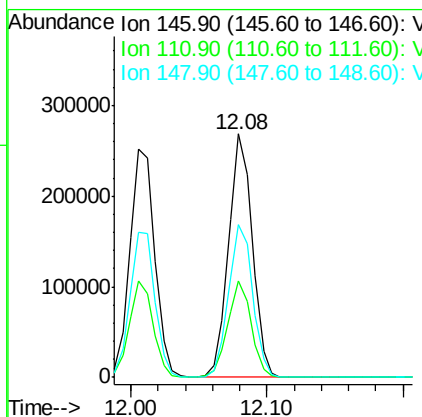
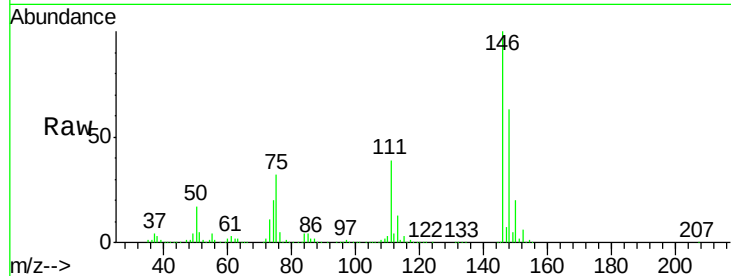
#88
 1,4-Dichlorobenzene
 Concen: 49.275 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VX019807.D
 Acq: 10 Dec 2020 03:48

Instrument :
 MSVOA_X
 ClientSampleId :
 TU032-32-5226-120820MS

Tot Ion	Ratio	Resp	Lower	Upper
146	100	325385		
111	39.3	19.6	58.8	
148	63.7	31.6	95.0	

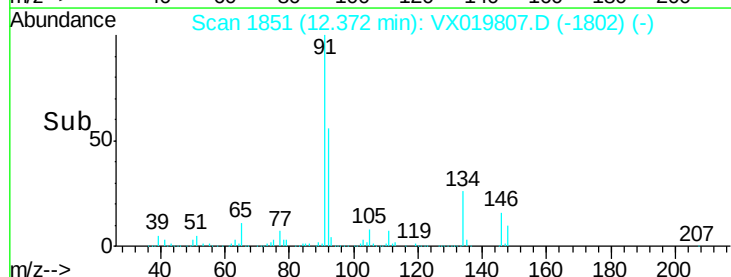
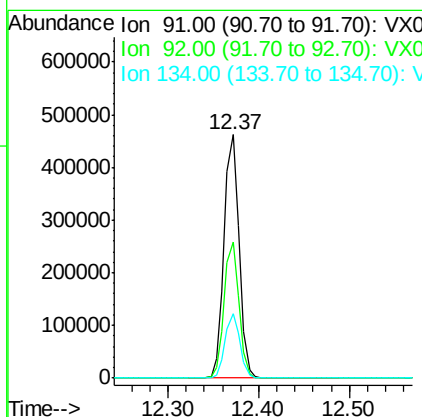
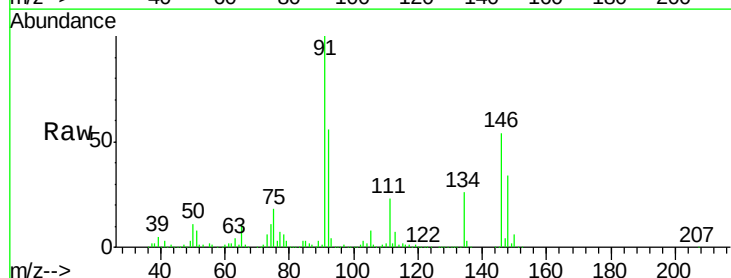
Manual Integrations
 APPROVED

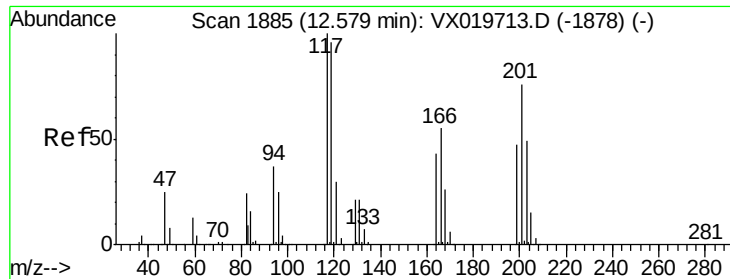
MMDadoda
 12/10/2020 9:31:14 AM



#89
 n-Butylbenzene
 Concen: 50.463 ug/l
 RT: 12.37 min Scan# 1851
 Delta R.T. -0.00 min
 Lab File: VX019807.D
 Acq: 10 Dec 2020 03:48

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	534503		
92	55.0	27.4	82.0	
134	25.9	13.2	39.5	





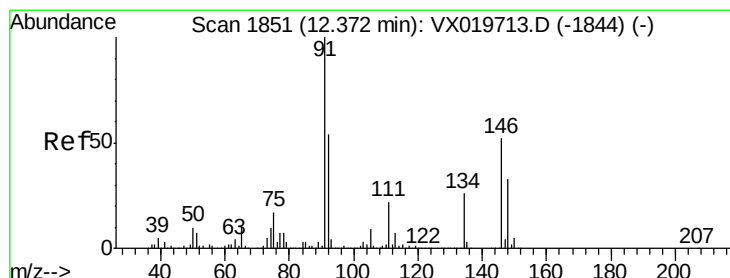
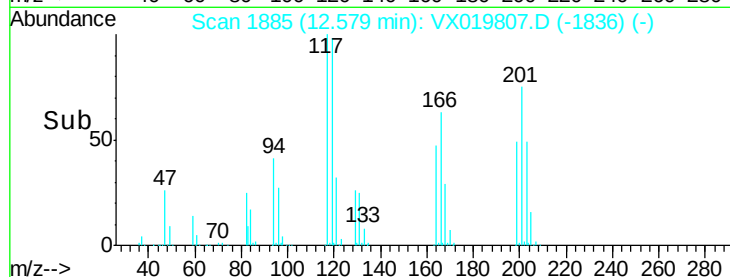
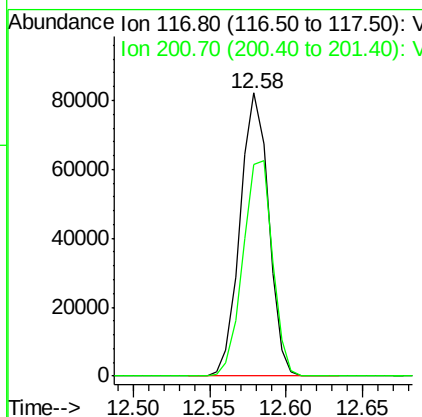
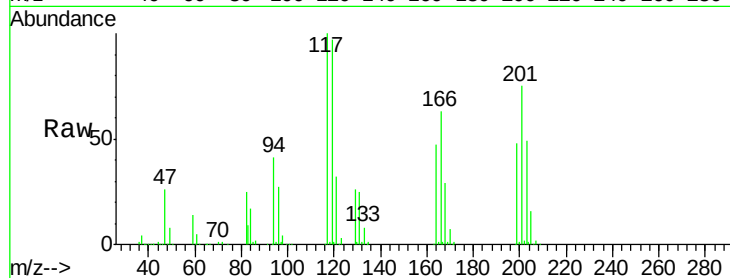
#90
Hexachloroethane
Concen: 51.470 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX019807.D
Acq: 10 Dec 2020 03:48

Instrument :
MSVOA_X
ClientSampleId :
TU032-32-5226-120820MS

Tot Ion:117 Resp: 106236
Ion Ratio Lower Upper
117 100
201 79.1 40.4 121.2

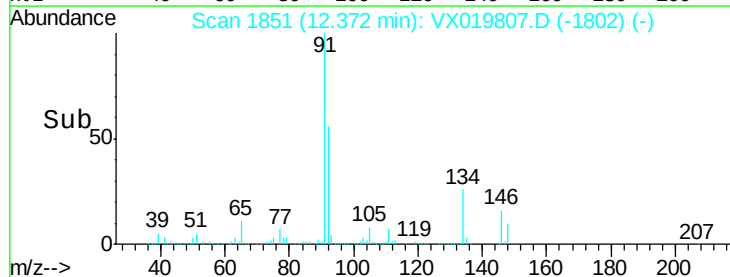
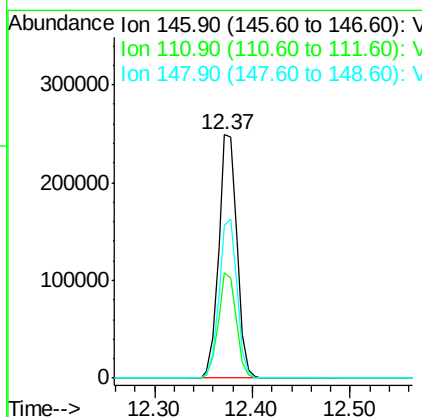
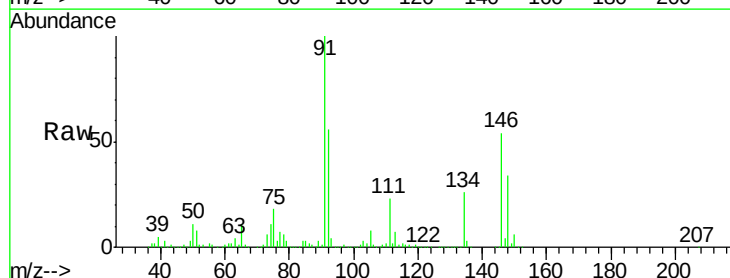
Manual Integrations
APPROVED

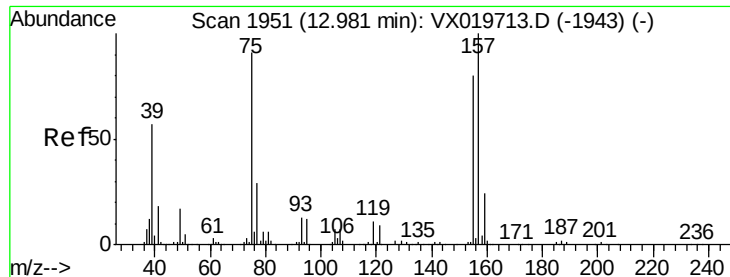
MMDadoda
12/10/2020 9:31:14 AM



#91
1,2-Dichlorobenzene
Concen: 50.695 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. -0.00 min
Lab File: VX019807.D
Acq: 10 Dec 2020 03:48

Tgt Ion:146 Resp: 320401
Ion Ratio Lower Upper
146 100
111 42.3 20.8 62.2
148 64.3 31.9 95.5





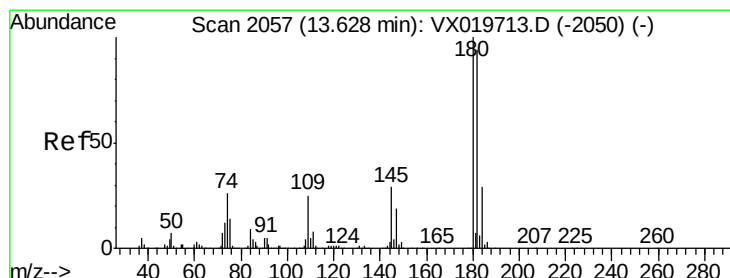
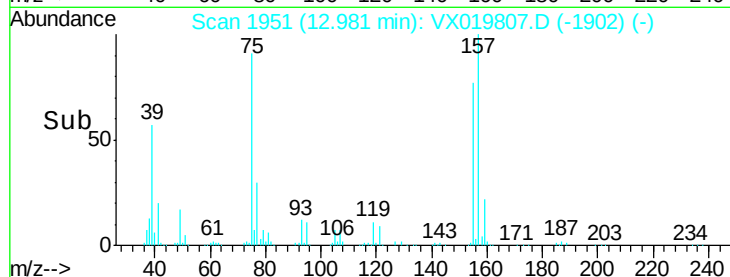
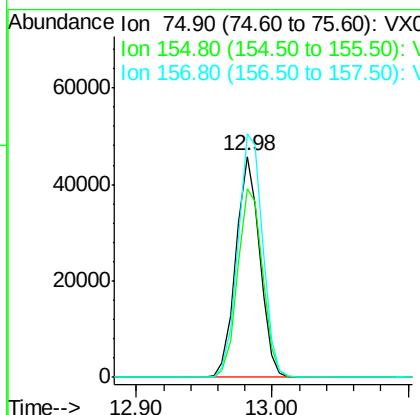
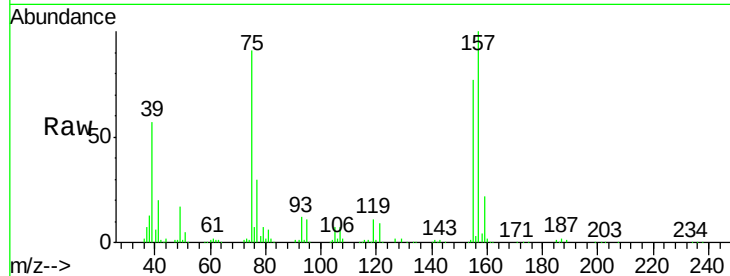
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.300 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VX019807.D
 Acq: 10 Dec 2020 03:48

Instrument :
 MSVOA_X
 ClientSampleId :
 TU032-32-5226-120820MS

Tot Ion: 75 Resp: 55763
 Ion Ratio Lower Upper
 75 100
 155 89.1 45.3 135.9
 157 114.0 57.7 173.1

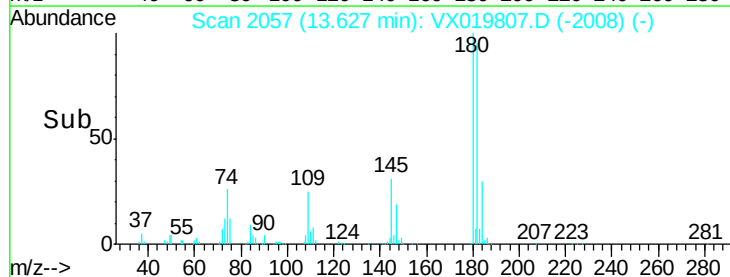
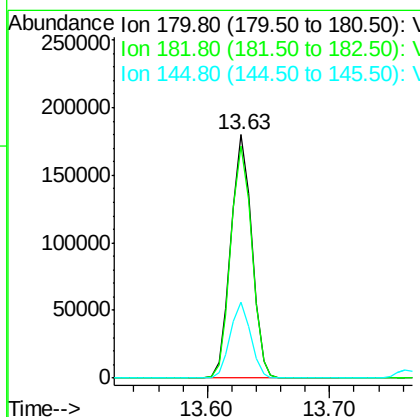
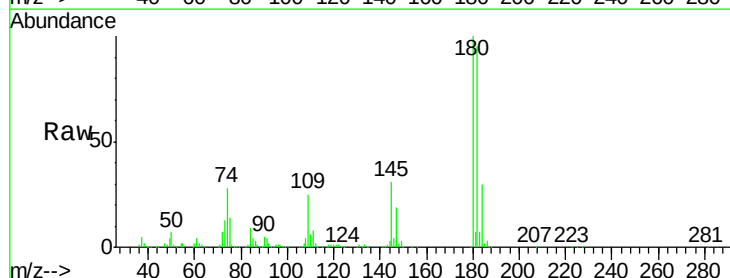
Manual Integrations
 APPROVED

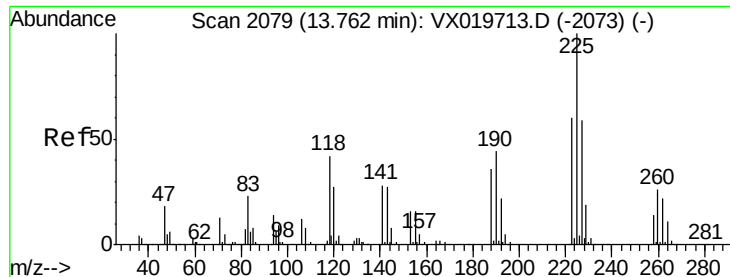
MMDadoda
 12/10/2020 9:31:14 AM



#93
 1,2,4-Trichlorobenzene
 Concen: 51.430 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX019807.D
 Acq: 10 Dec 2020 03:48

Tgt Ion: 180 Resp: 211592
 Ion Ratio Lower Upper
 180 100
 182 96.2 47.7 143.1
 145 30.6 15.0 45.0





#94

Hexachlorobutadiene

Concen: 46.960 ug/l

RT: 13.76 min Scan# 2079

Delta R.T. -0.00 min

Lab File: VX019807.D

Acq: 10 Dec 2020 03:48

Instrument :

MSVOA_X

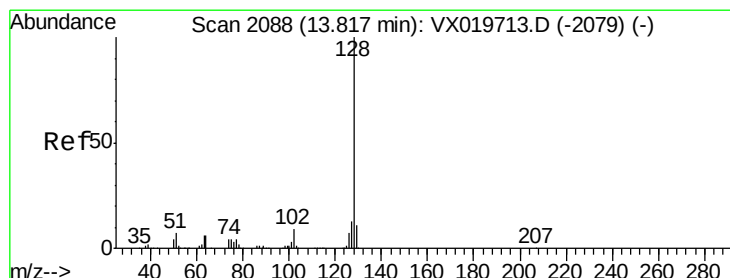
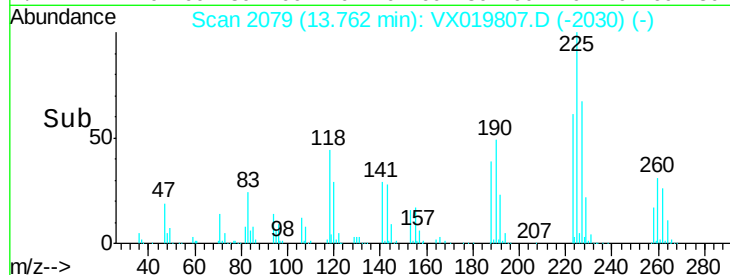
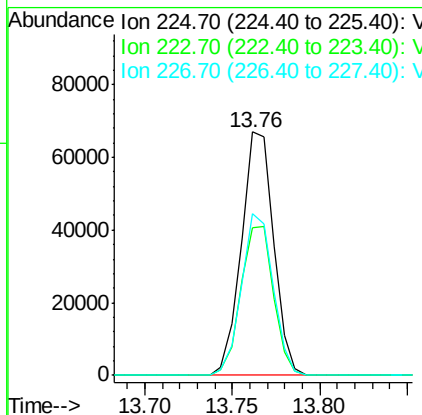
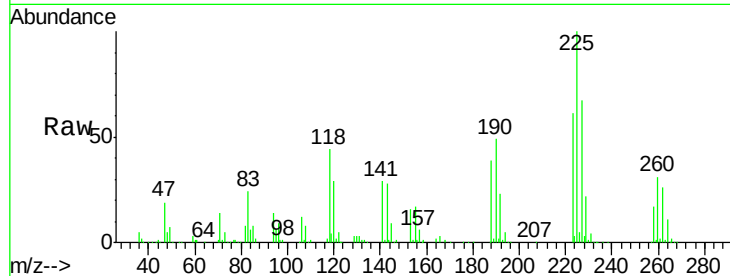
ClientSampleId :

TU032-32-5226-120820MS

Tot Ion:	225	Resp:	86352
Ion Ratio		Lower	Upper
225	100		
223	62.1	31.1	93.2
227	65.2	31.6	95.0

Manual Integrations
APPROVED

MMDadoda
12/10/2020 9:31:14 AM



#95

Naphthalene

Concen: 53.551 ug/l

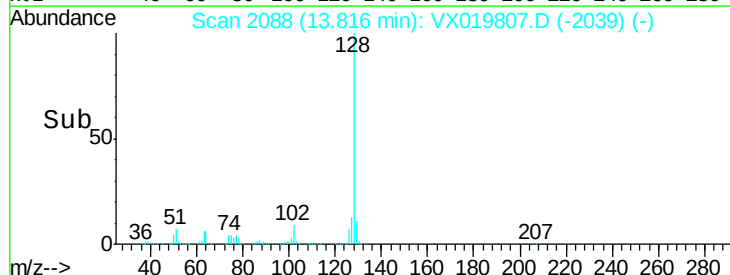
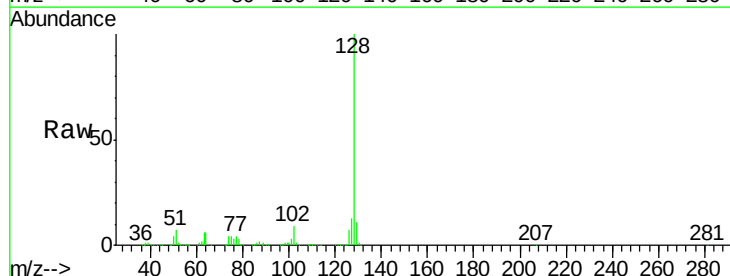
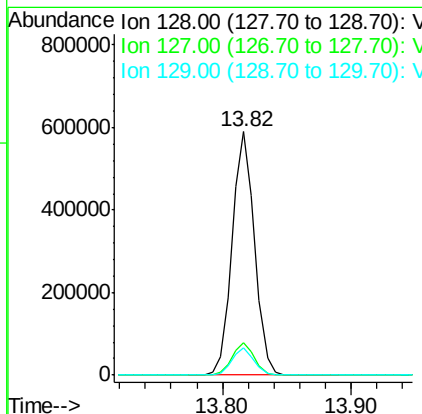
RT: 13.82 min Scan# 2088

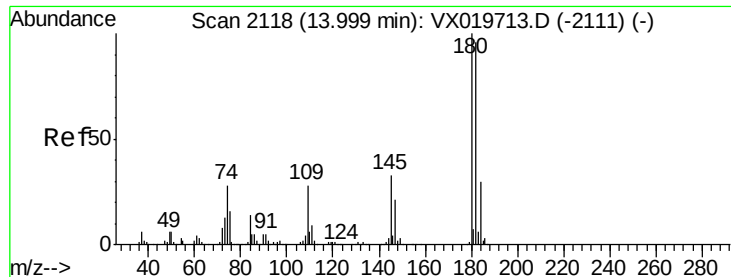
Delta R.T. -0.00 min

Lab File: VX019807.D

Acq: 10 Dec 2020 03:48

Tgt Ion:	128	Resp:	714267
Ion Ratio		Lower	Upper
128	100		
127	13.0	10.3	15.5
129	11.0	8.8	13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 51.133 ug/l
 RT: 14.00 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VX019807.D
 Acq: 10 Dec 2020 03:48

Instrument :
 MSVOA_X
 ClientSampleId :
 TU032-32-5226-120820MS

Tot Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	95.2	47.6	142.9
145	32.8	16.1	48.3

Manual Integrations
 APPROVED

MMDadoda
 12/10/2020 9:31:14 AM

