

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX121420\
 Data File : VX020001.D
 Acq On : 14 Dec 2020 20:54
 Operator : JC/MD
 Sample : L5052-03MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TU032-32-5229-121020MSD

Manual Integrations
 APPROVED

MMDadoda
 12/15/2020 5:34:19 PM

Quant Time: Dec 15 02:17:15 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	231615	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	410019	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.09	117	382922	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	173388	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	156767	51.50	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	103.00%
35) Dibromofluoromethane	5.46	113	127858	48.25	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	96.50%
50) Toluene-d8	8.70	98	478149	47.26	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	94.52%
62) 4-Bromofluorobenzene	11.12	95	181160	47.05	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	94.10%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	104524	49.291	ug/l	99
3) Chloromethane	1.31	50	128543	51.544	ug/l	98
4) Vinyl Chloride	1.39	62	397875	151.309	ug/l	97
5) Bromomethane	1.62	94	28639	32.801	ug/l	99
6) Chloroethane	1.70	64	131033	82.952	ug/l	97
7) Trichlorofluoromethane	1.91	101	192802	52.648	ug/l	99
8) Diethyl Ether	2.17	74	87558	56.421	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.36	101	105824	50.415	ug/l	98
10) Methyl Iodide	2.48	142	125349	40.514	ug/l	99
11) Tert butyl alcohol	3.03	59	264299	424.144	ug/l	99
12) 1,1-Dichloroethene	2.35	96	144105	67.907	ug/l	95
13) Acrolein	2.27	56	77865	231.734	ug/l	98
14) Allyl chloride	2.70	41	207230	57.820	ug/l #	62
15) Acrylonitrile	3.12	53	476603	346.329	ug/l	99
16) Acetone	2.42	43	453403	396.262	ug/l	100
17) Carbon Disulfide	2.54	76	314951	51.725	ug/l	99
18) Methyl Acetate	2.75	43	1001900	357.826	ug/l	99
19) Methyl tert-butyl Ether	3.17	73	465234	60.199	ug/l	99
20) Methylene Chloride	2.83	84	152541	58.642	ug/l	99
21) trans-1,2-Dichloroethene	3.14	96	890383	359.889	ug/l	97
22) Diisopropyl ether	3.82	45	441788	60.967	ug/l	93
23) Vinyl Acetate	3.78	43	1807786	292.826	ug/l	99
24) 1,1-Dichloroethane	3.67	63	255209	58.403	ug/l	100
25) 2-Butanone	4.64	43	699268	397.722	ug/l	100
26) 2,2-Dichloropropane	4.55	77	84466	22.446	ug/l #	1
27) cis-1,2-Dichloroethene	4.56	96	9128798	3152.985	ug/l	89
28) Bromochloromethane	4.98	49	112276	53.898	ug/l	97
29) Tetrahydrofuran	5.09	42	410881	362.721	ug/l	98
30) Chloroform	5.17	83	260934	58.074	ug/l	99
31) Cyclohexane	5.54	56	173361	45.783	ug/l	98
32) 1,1,1-Trichloroethane	5.46	97	217875	56.307	ug/l	100
36) 1,1-Dichloropropene	5.76	75	179193	48.364	ug/l	99
37) Ethyl Acetate	4.79	43	214204	57.260	ug/l #	79
38) Carbon Tetrachloride	5.75	117	179176	49.384	ug/l	99

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Quant Time: Dec 15 02:17:15 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	7.43	83	123499	28.371	ug/l	98
40) Benzene	6.11	78	587932	51.947	ug/l	100
41) Methacrylonitrile	5.00	41	122516	59.650	ug/l	99
42) 1,2-Dichloroethane	6.16	62	206475	53.395	ug/l	99
43) Isopropyl Acetate	6.41	43	336495	55.327	ug/l	99
44) Trichloroethene	7.18	130	235214	79.209	ug/l	99
45) 1,2-Dichloropropane	7.49	63	154941	54.775	ug/l	98
46) Dibromomethane	7.63	93	104214	54.556	ug/l	100
47) Bromodichloromethane	7.87	83	208329	54.961	ug/l	99
48) Methyl methacrylate	7.74	41	176170	58.897	ug/l	97
49) 1,4-Dioxane	7.71	88	108188	1493.079	ug/l	98
51) 4-Methyl-2-Pentanone	8.62	43	1189768	320.415	ug/l	100
52) Toluene	8.76	92	363795	51.393	ug/l	100
53) t-1,3-Dichloropropene	9.02	75	200124	47.577	ug/l	97
54) cis-1,3-Dichloropropene	8.42	75	210596	46.085	ug/l	98
55) 1,1,2-Trichloroethane	9.20	97	158050	55.405	ug/l	99
56) Ethyl methacrylate	9.16	69	249678	57.851	ug/l	99
57) 1,3-Dichloropropane	9.35	76	265943	54.599	ug/l	99
59) 2-Hexanone	9.47	43	956041	332.163	ug/l	100
60) Dibromochloromethane	9.56	129	162458	56.055	ug/l	98
61) 1,2-Dibromoethane	9.65	107	165458	54.623	ug/l	99
64) Tetrachloroethene	9.32	164	102045	39.738	ug/l	96
65) Chlorobenzene	10.12	112	383295	50.243	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.20	131	145726	53.071	ug/l	99
67) Ethyl Benzene	10.23	91	653203	48.237	ug/l	99
68) m/p-Xylenes	10.34	106	484944	95.037	ug/l	99
69) o-Xylene	10.68	106	238775	48.645	ug/l	98
70) Stvrene	10.70	104	424591	51.248	ug/l	100
71) Bromoform	10.84	173	129533	59.966	ug/l	99
73) Isopropylbenzene	11.00	105	564804	47.680	ug/l	99
74) N-amyl acetate	10.88	43	306877	64.645	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.25	83	274954	65.836	ug/l	99
76) 1,2,3-Trichloropropane	11.28	75	245964m	63.249	ug/l	
77) Bromobenzene	11.24	156	164615	54.302	ug/l	98
78) n-propylbenzene	11.34	91	605878	44.781	ug/l	98
79) 2-Chlorotoluene	11.40	91	418528	50.232	ug/l	99
80) 1,3,5-Trimethylbenzene	11.49	105	443402	44.351	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.05	75	63714	47.363	ug/l	99
82) 4-Chlorotoluene	11.49	91	490410	50.257	ug/l	99
83) tert-Butylbenzene	11.76	119	424055	43.248	ug/l	97
84) 1,2,4-Trimethylbenzene	11.79	105	467477	46.420	ug/l	100
85) sec-Butylbenzene	11.93	105	386830	34.555	ug/l	99
86) p-Isopropyltoluene	12.05	119	358814	34.973	ug/l	100
87) 1,3-Dichlorobenzene	12.01	146	263792	47.411	ug/l	98
88) 1,4-Dichlorobenzene	12.08	146	277812	49.023	ug/l	99
89) n-Butylbenzene	12.37	91	255845	28.147	ug/l	99
90) Hexachloroethane	12.58	117	66532	37.562	ug/l	97
91) 1,2-Dichlorobenzene	12.38	146	280092	51.641	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.98	75	66462	74.026	ug/l	98
93) 1,2,4-Trichlorobenzene	13.63	180	126485	35.825	ug/l	98

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Instrument :
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TU032-32-5229-121020MSD

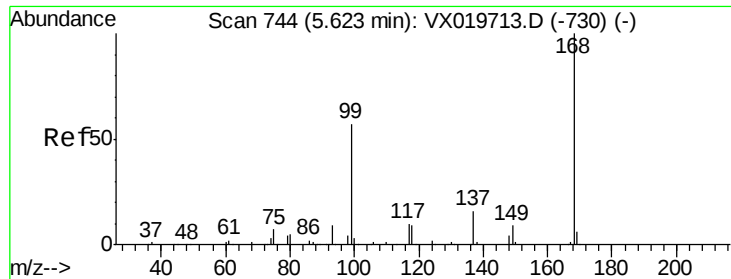
Manual Integrations
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Quant Time: Dec 15 02:17:15 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X120420W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 04 15:32:53 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.76	225	15841	10.038	ug/l	99
95) Naphthalene	13.82	128	687734	60.083	ug/l	99
96) 1,2,3-Trichlorobenzene	14.00	180	134463	38.969	ug/l	99

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



#1

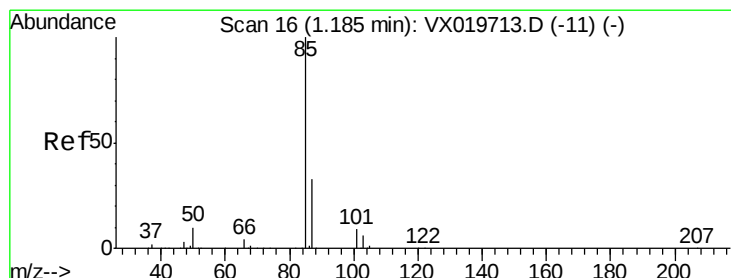
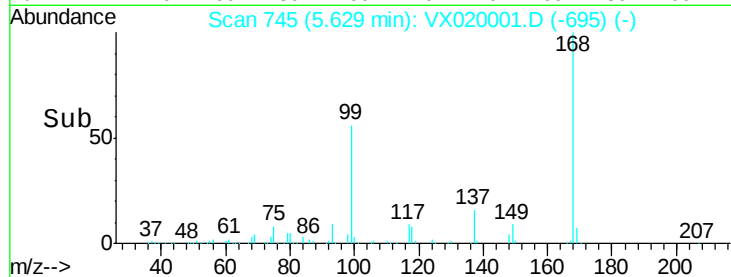
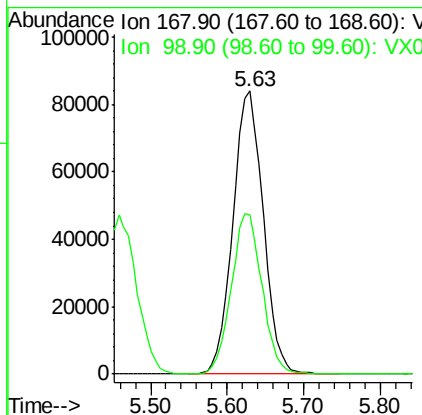
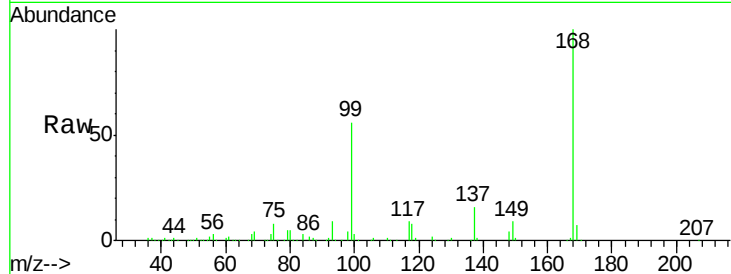
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. 0.01 min
 Lab File: VX020001.D
 Acq: 14 Dec 2020 20:54

Instrument :
 MSVOA_X
 ClientSampleId :
 TU032-32-5229-121020MSD

Tot Ion	Ratio	Lower	Upper
168	100		
99	56.0	45.8	68.6

Manual Integrations
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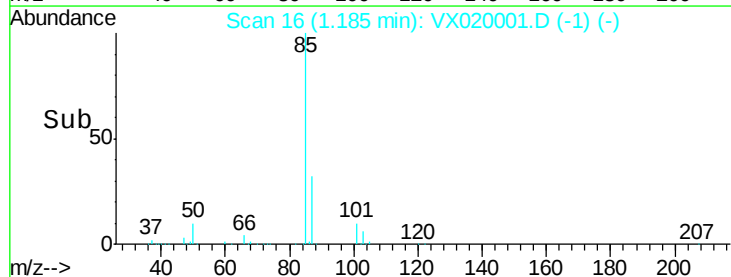
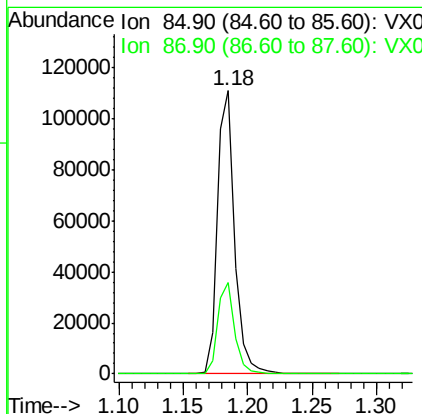
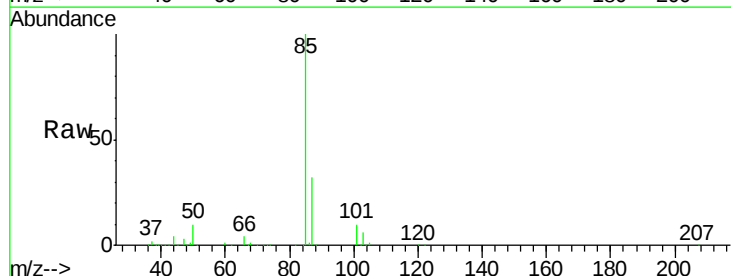
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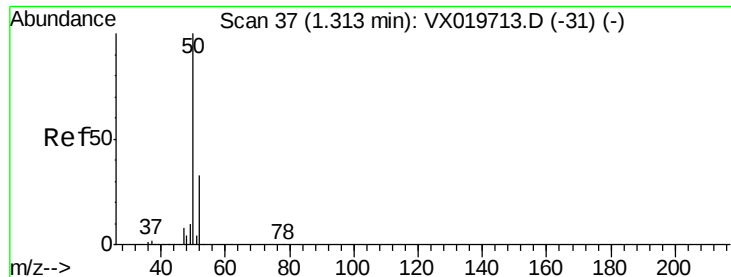


#2

Dichlorodifluoromethane
 Concen: 49.291 ug/l
 RT: 1.18 min Scan# 16
 Delta R.T. 0.00 min
 Lab File: VX020001.D
 Acq: 14 Dec 2020 20:54

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.1	16.4	49.2





#3

Chloromethane

Concen: 51.544 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX020001.D

Acq: 14 Dec 2020 20:54

Instrument :

MSVOA_X

ClientSampleId :

TU032-32-5229-121020MSD

Tot Ion: 50 Resp: 128543

Ion Ratio Lower Upper

50 100

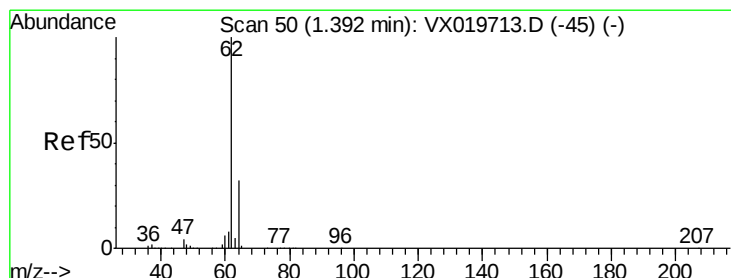
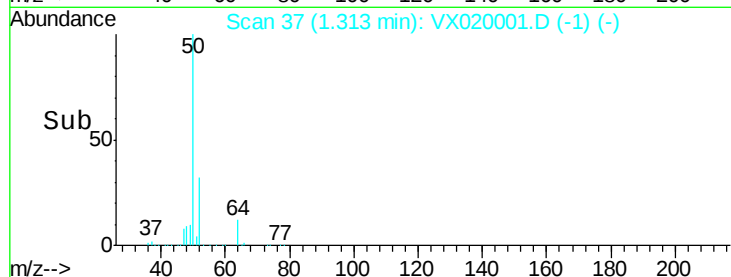
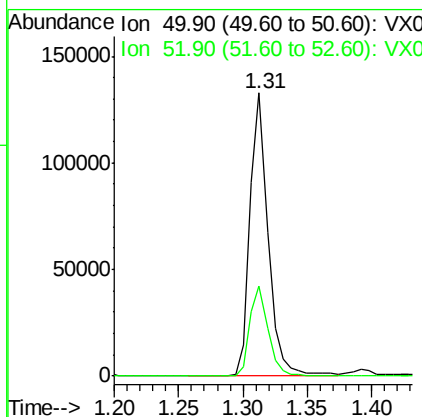
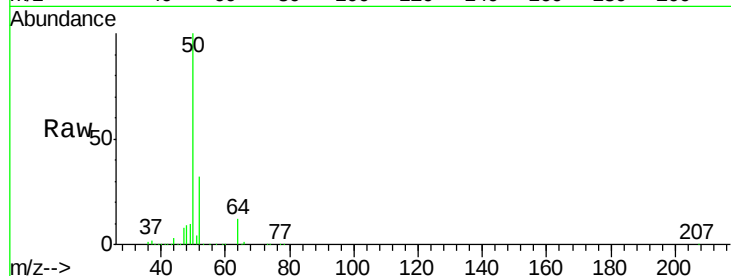
52 31.9 26.4 39.6

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#4

Vinyl Chloride

Concen: 151.309 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX020001.D

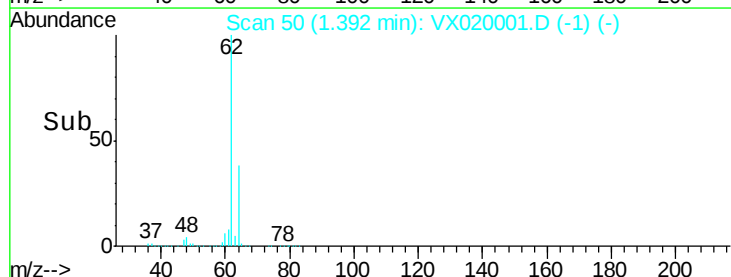
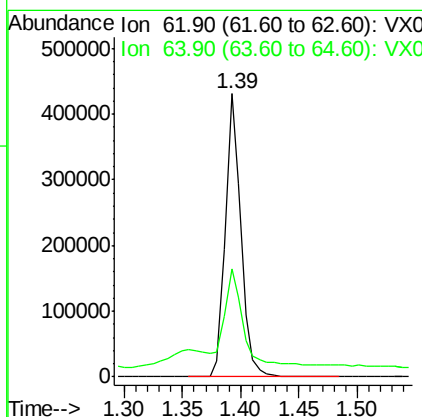
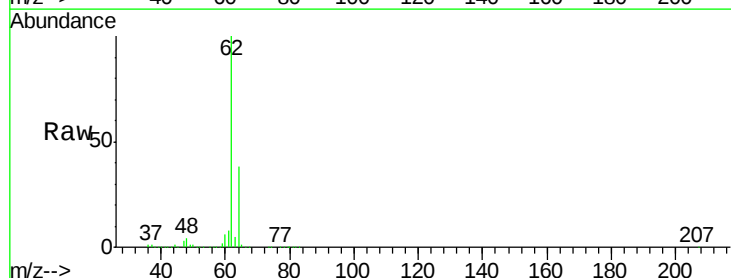
Acq: 14 Dec 2020 20:54

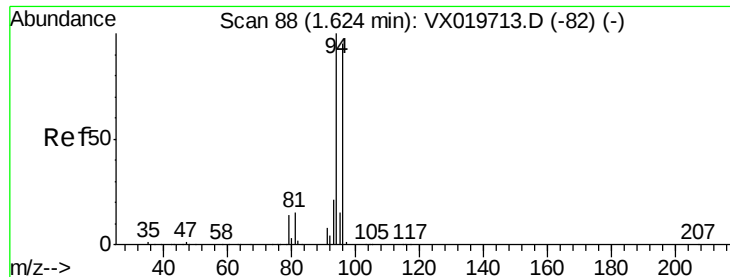
Tgt Ion: 62 Resp: 397875

Ion Ratio Lower Upper

62 100

64 33.8 25.7 38.5





#5

Bromomethane

Concen: 32.801 ug/l

RT: 1.62 min Scan# 87

Delta R.T. -0.01 min

Lab File: VX020001.D

Acq: 14 Dec 2020 20:54

Instrument :

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ClientSampleId :

TU032-32-5229-121020MSD

Tot Ion: 94 Resp: 28639

Ion Ratio Lower Upper

94 100

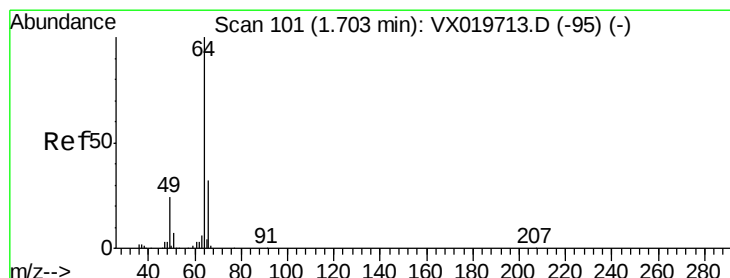
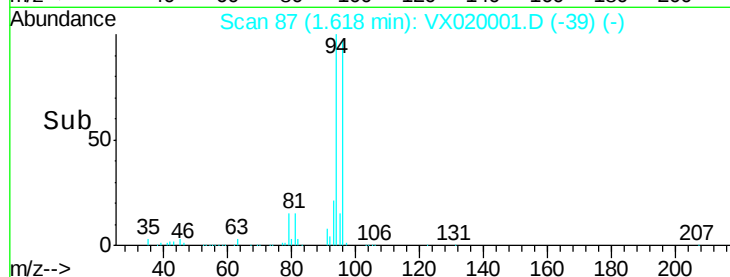
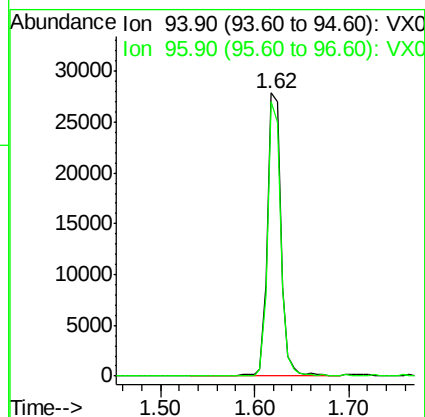
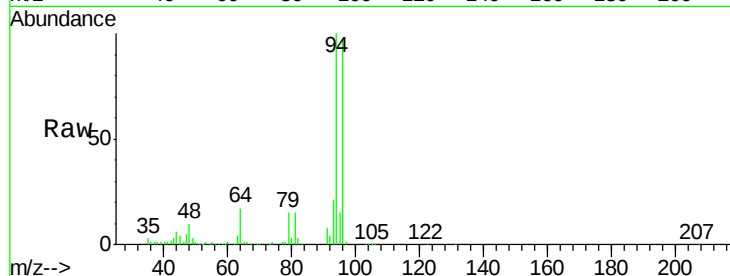
96 96.7 76.4 114.6

Manual Integrations

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#6

Chloroethane

Concen: 82.952 ug/l

RT: 1.70 min Scan# 100

Delta R.T. -0.01 min

Lab File: VX020001.D

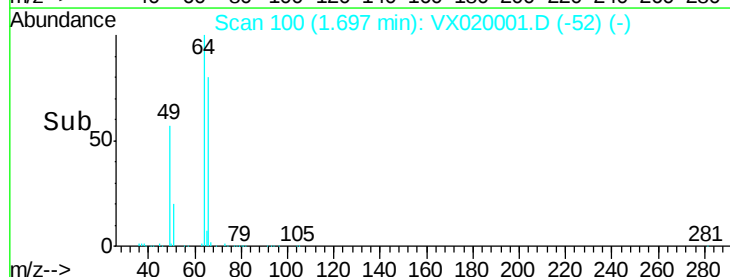
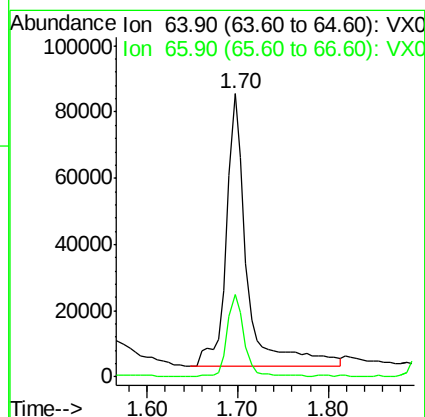
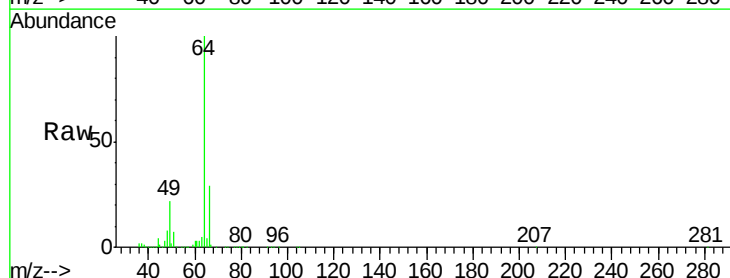
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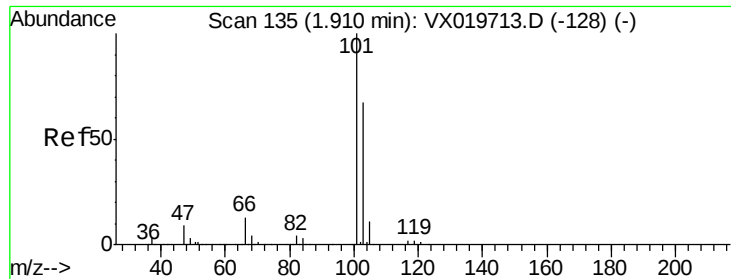
Tgt Ion: 64 Resp: 131033

Ion Ratio Lower Upper

64 100

66 30.1 25.4 38.0





#7

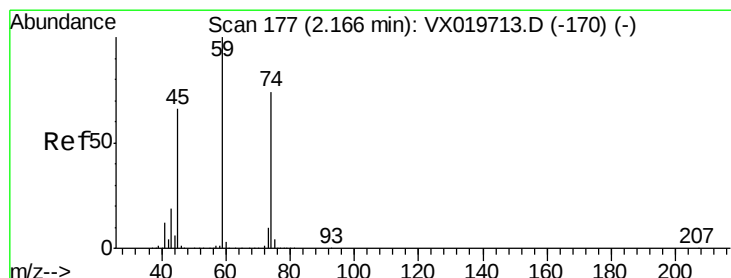
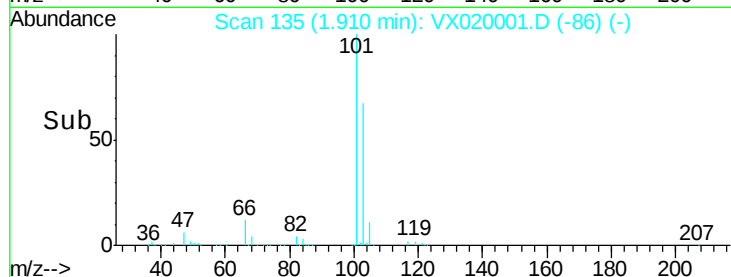
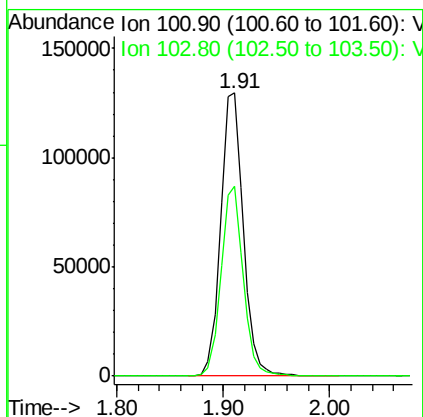
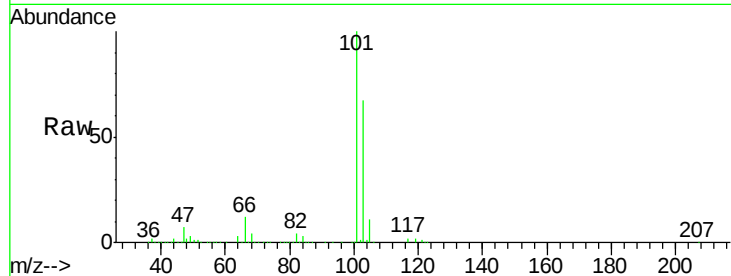
Trichlorofluoromethane
 Concen: 52.648 ug/l
 RT: 1.91 min Scan# 135
 Delta R.T. 0.00 min
 Lab File: VX020001.D
 Acq: 14 Dec 2020 20:54

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Tot Ion	Ratio	Lower	Upper
101	100		
103	67.1	53.2	79.8

Manual Integrations
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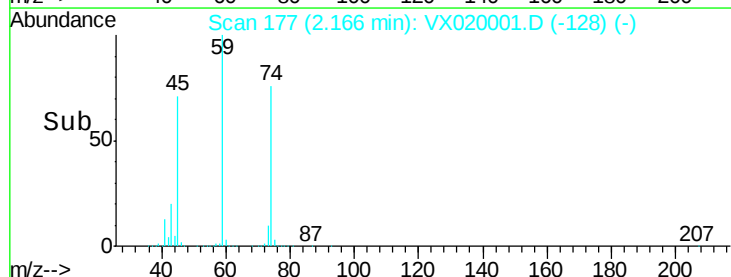
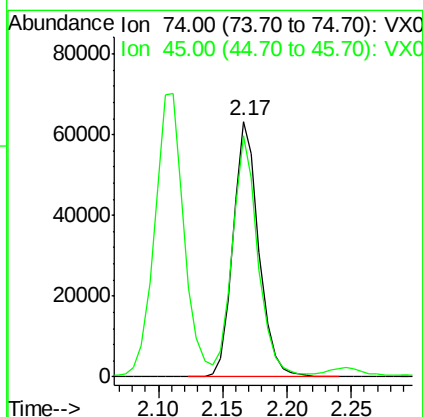
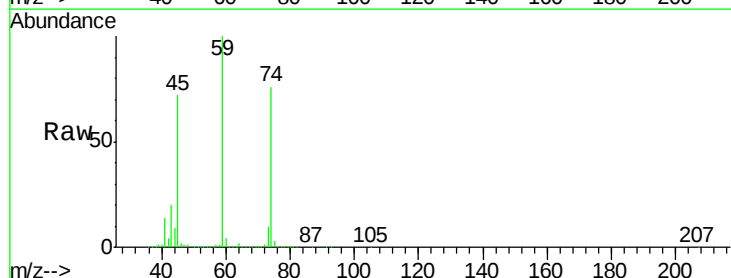
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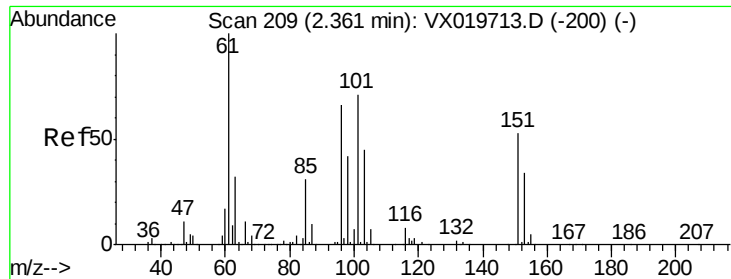


#8

Diethyl Ether
 Concen: 56.421 ug/l
 RT: 2.17 min Scan# 177
 Delta R.T. 0.00 min
 Lab File: VX020001.D
 Acq: 14 Dec 2020 20:54

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.3	44.5	133.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.415 ug/l

RT: 2.36 min Scan# 209

Delta R.T. 0.00 min

Lab File: VX020001.D

Acq: 14 Dec 2020 20:54

Instrument :

MSVOA_X

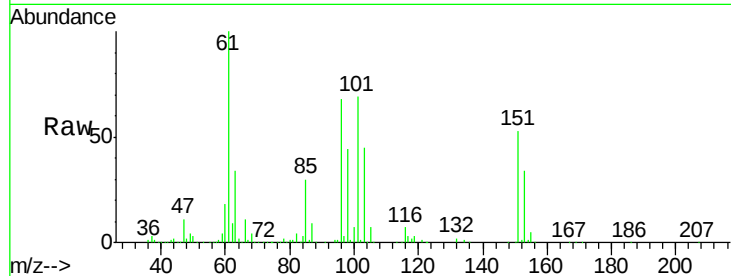
ClientSampleId :

TU032-32-5229-121020MSD

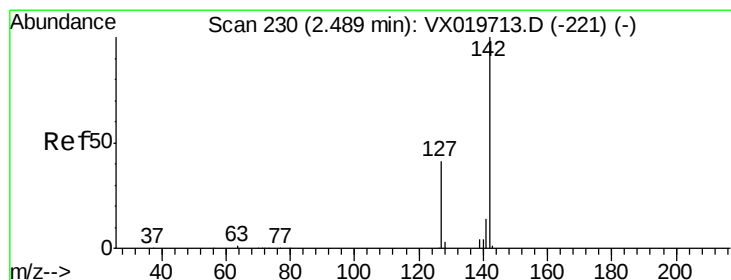
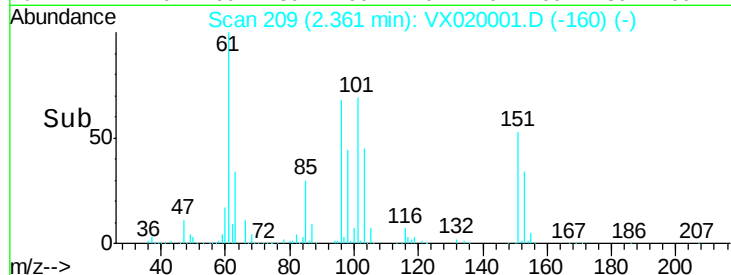
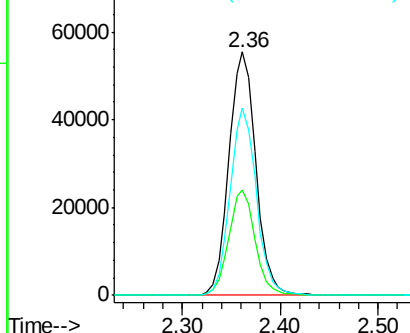
Tot Ion:	101	Resp:	105824
Ion Ratio	Lower	Upper	
101	100		
85	42.4	34.9	52.3
151	75.6	61.4	92.2

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 40.514 ug/l

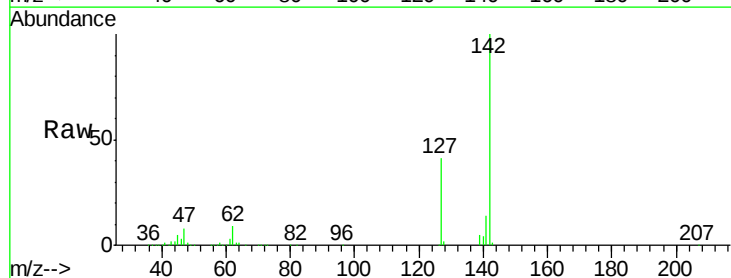
RT: 2.48 min Scan# 229

Delta R.T. -0.01 min

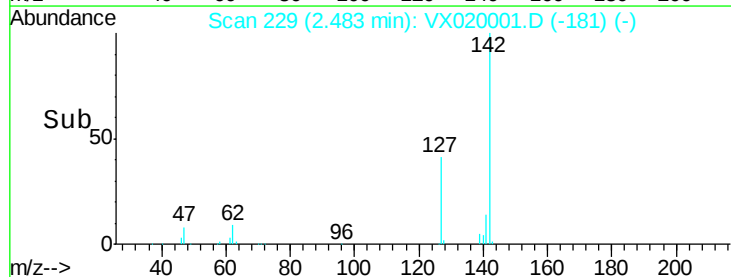
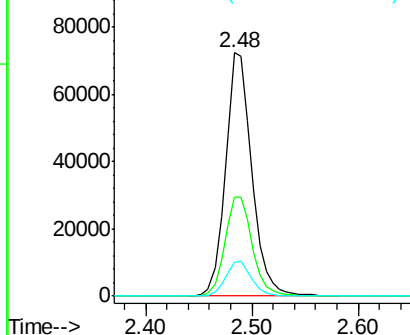
Lab File: VX020001.D

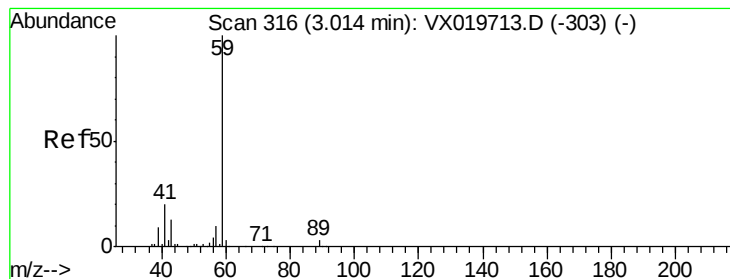
Acq: 14 Dec 2020 20:54

Tgt Ion:	142	Resp:	125349
Ion Ratio	Lower	Upper	
142	100		
127	42.4	33.3	49.9
141	14.2	11.4	17.0



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





#11

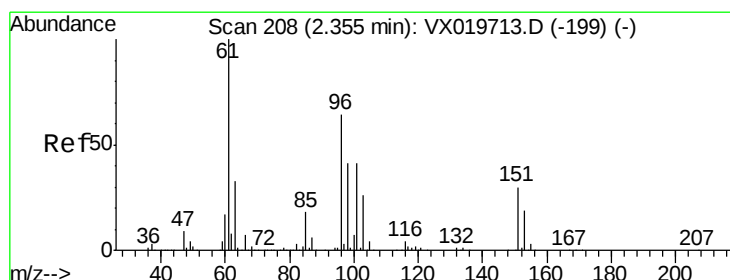
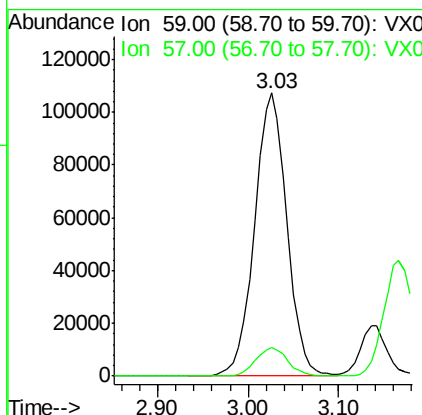
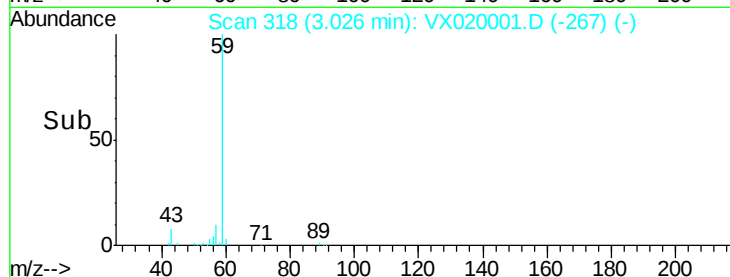
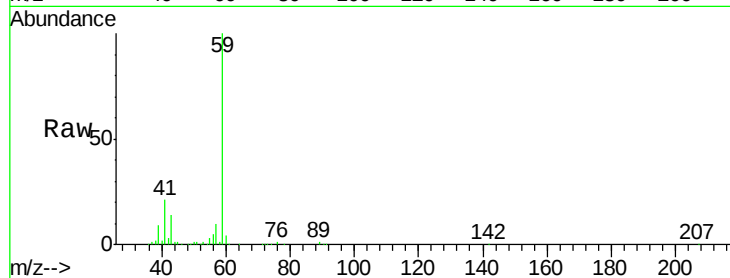
Tert butyl alcohol
Concen: 424.144 ug/l
RT: 3.03 min Scan# 318
Delta R.T. 0.01 min
Lab File: VX020001.D
Acq: 14 Dec 2020 20:54

Instrument :
MSVOA_X
ClientSampleId :
TU032-32-5229-121020MSD

Tot Ion	Ratio	Resp	Lower	Upper
59	100	264299		
57	10.0		7.8	11.8

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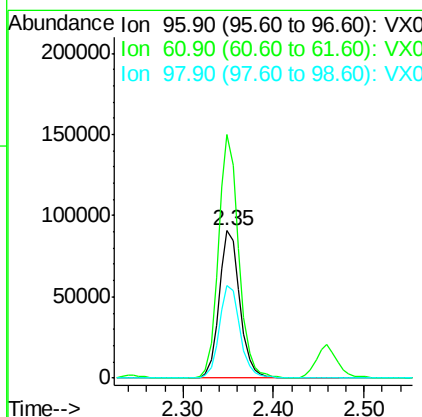
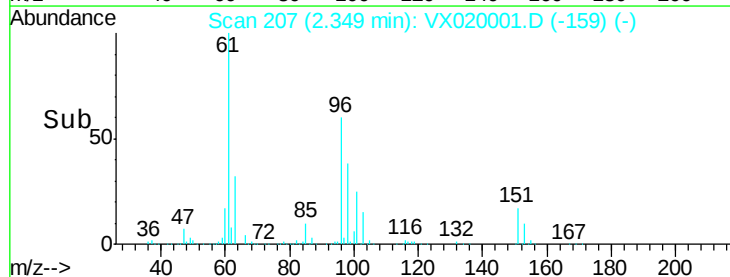
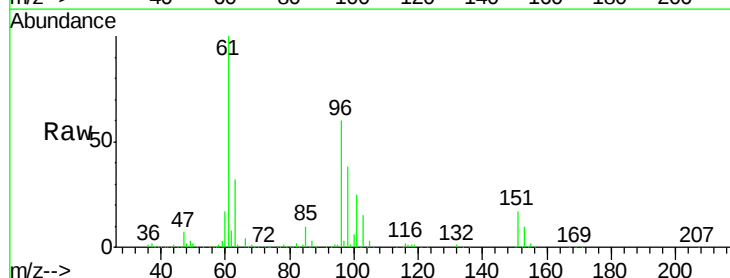
MMDadoda
12/15/2020 5:34:19 PM

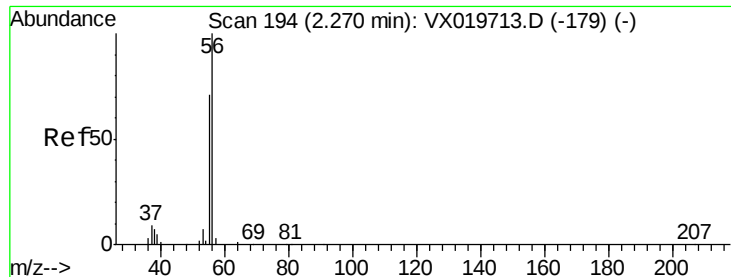


#12

1,1-Dichloroethene
Concen: 67.907 ug/l
RT: 2.35 min Scan# 207
Delta R.T. -0.01 min
Lab File: VX020001.D
Acq: 14 Dec 2020 20:54

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	144105		
61	165.3		124.6	187.0
98	63.2		50.6	76.0





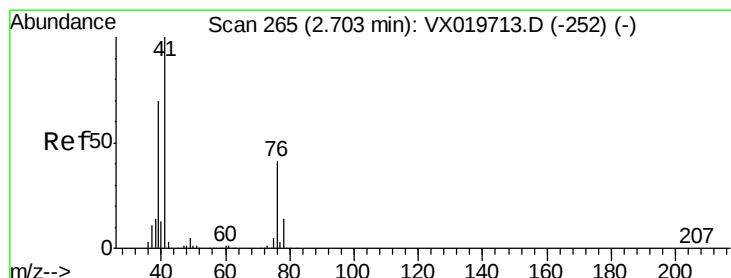
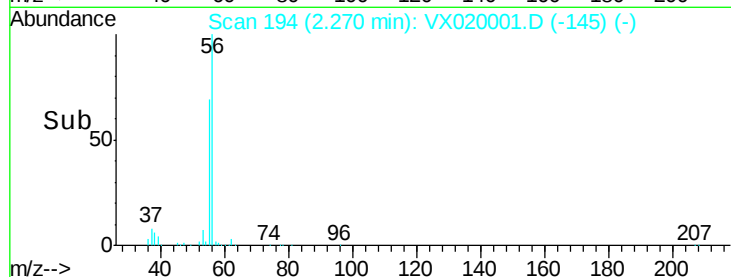
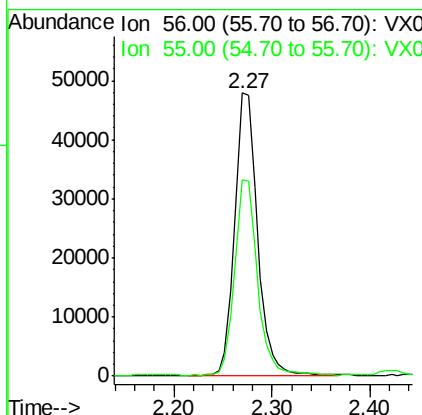
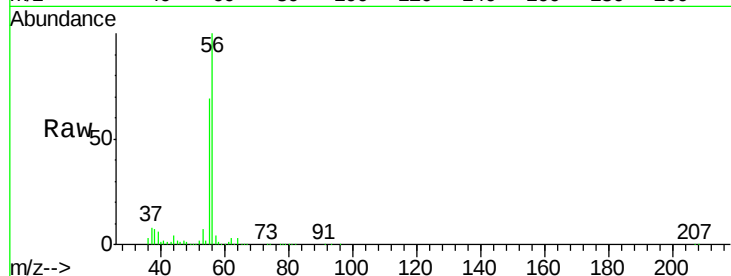
#13
Acrolein
Concen: 231.734 ug/l
RT: 2.27 min Scan# 194
Delta R.T. 0.00 min
Lab File: VX020001.D
Acq: 14 Dec 2020 20:54

Instrument :
MSVOA_X
ClientSampleId :
TU032-32-5229-121020MSD

Tot Ion	Ratio	Lower	Upper
56	100		
55	69.1	56.4	84.6

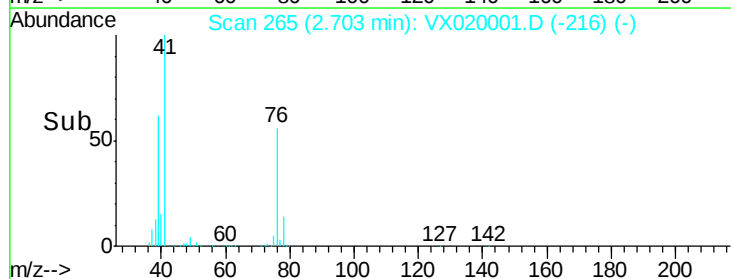
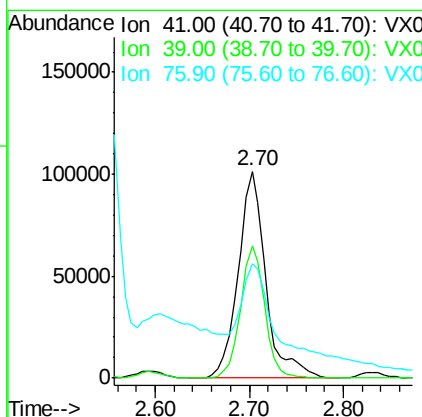
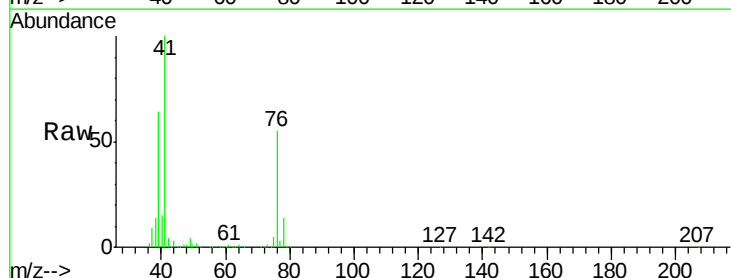
Manual Integrations
APPROVED

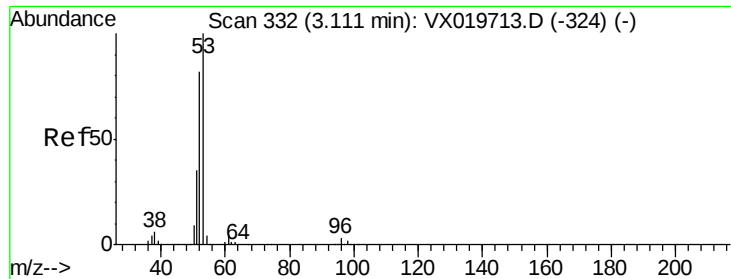
MMDadoda
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#14
Allyl chloride
Concen: 57.820 ug/l
RT: 2.70 min Scan# 265
Delta R.T. 0.00 min
Lab File: VX020001.D
Acq: 14 Dec 2020 20:54

Tgt Ion	Ratio	Lower	Upper
41	100		
39	55.8	51.6	77.4
76	88.2	30.5	45.7#





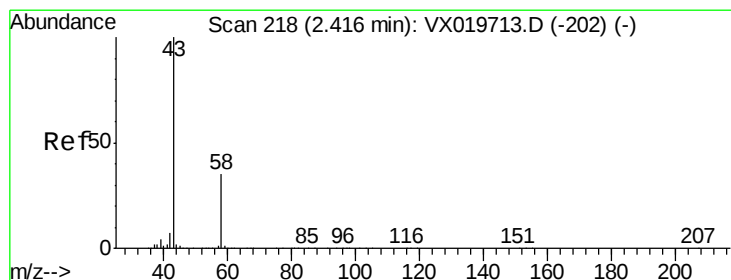
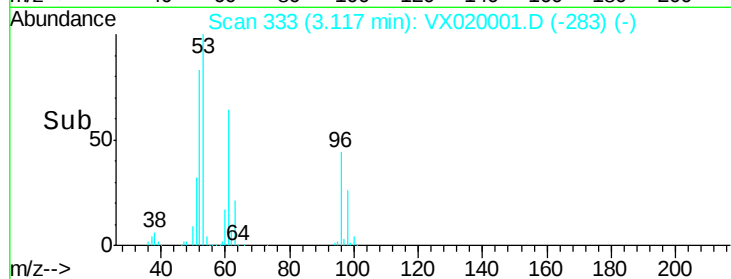
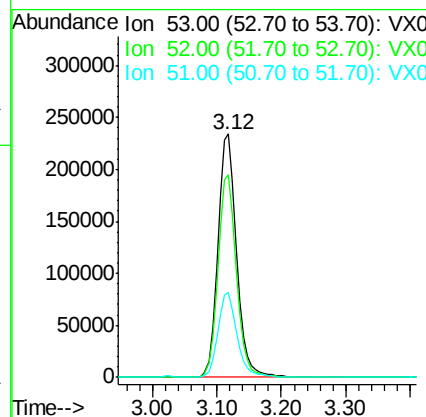
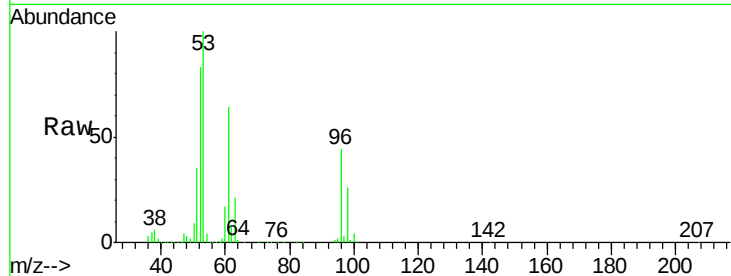
#15
 Acrylonitrile
 Concen: 346.329 ug/l
 RT: 3.12 min Scan# 333
 Delta R.T. 0.01 min
 Lab File: VX020001.D
 Acq: 14 Dec 2020 20:54

Instrument :
 MSVOA_X
 ClientSampleId :
 TU032-32-5229-121020MSD

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.6	65.3	97.9
51	35.8	28.2	42.2

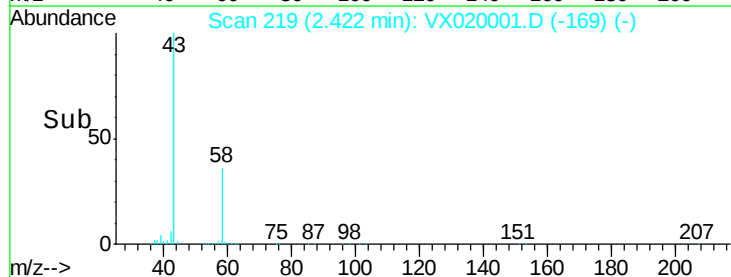
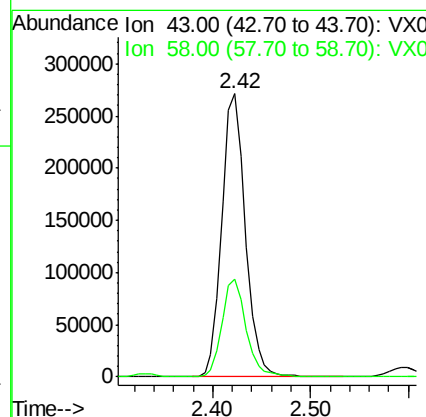
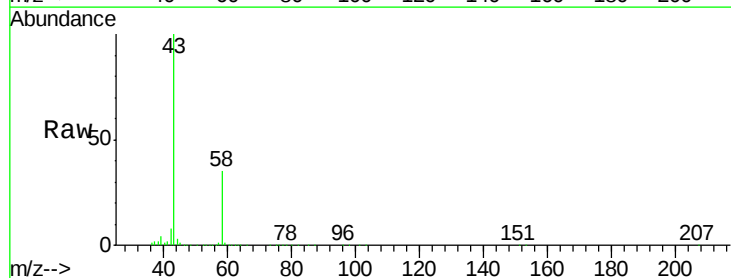
Manual Integrations
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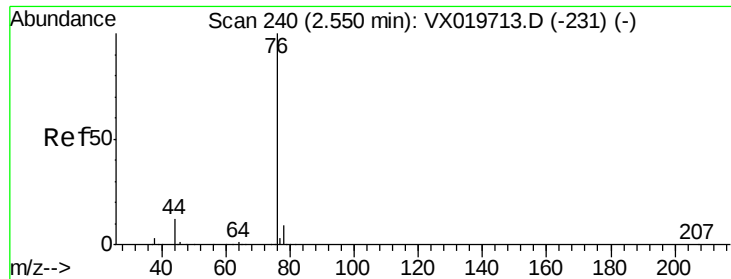
MMDadoda
 12/15/2020 5:34:19 PM



#16
 Acetone
 Concen: 396.262 ug/l
 RT: 2.42 min Scan# 219
 Delta R.T. 0.01 min
 Lab File: VX020001.D
 Acq: 14 Dec 2020 20:54

Tgt Ion	Ratio	Lower	Upper
43	100		
58	34.7	27.8	41.8





#17

Carbon Disulfide

Concen: 51.725 ug/l

RT: 2.54 min Scan# 239

Delta R.T. -0.01 min

Lab File: VX020001.D

Acq: 14 Dec 2020 20:54

Tot Ion: 76 Resp: 314951

Ion Ratio Lower Upper

76 100

78 8.7 7.2 10.8

Instrument :

MSVOA_X

ClientSampleId :

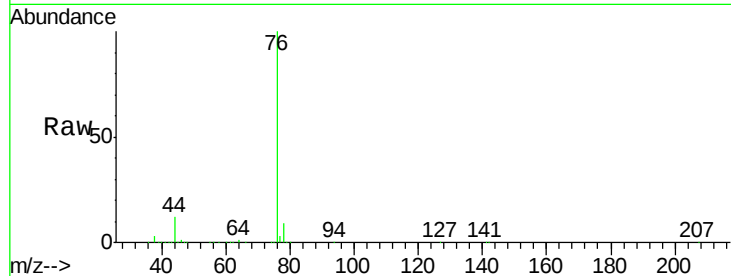
TU032-32-5229-121020MSD

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.54

200000

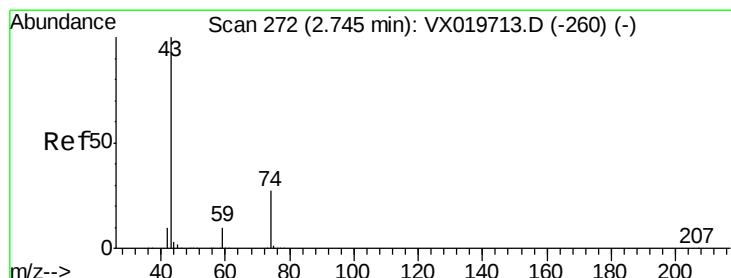
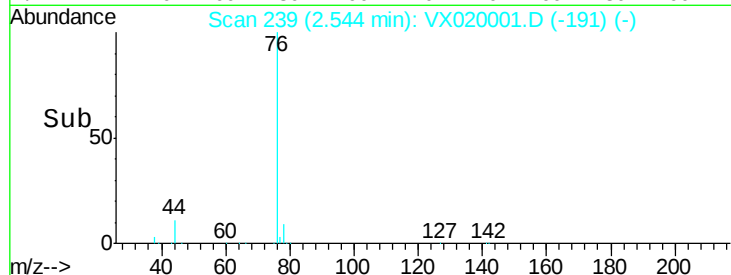
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 357.826 ug/l

RT: 2.75 min Scan# 272

Delta R.T. 0.00 min

Lab File: VX020001.D

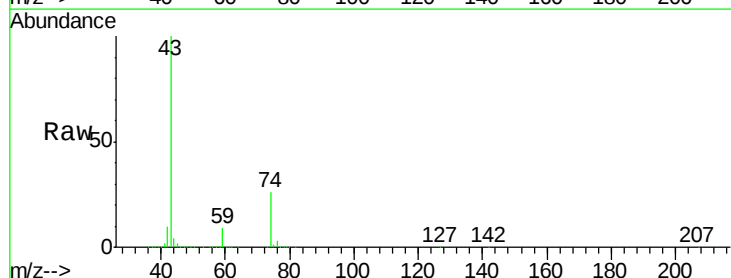
Acq: 14 Dec 2020 20:54

Tgt Ion: 43 Resp: 1001900

Ion Ratio Lower Upper

43 100

74 26.8 21.9 32.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.75

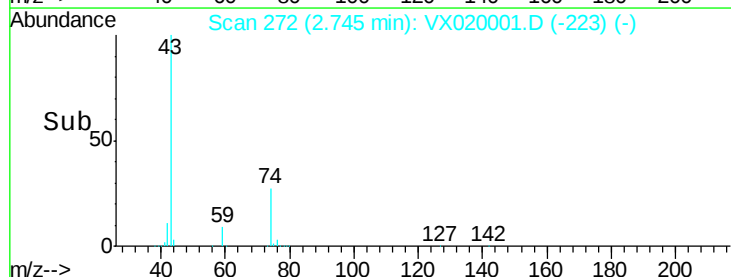
600000

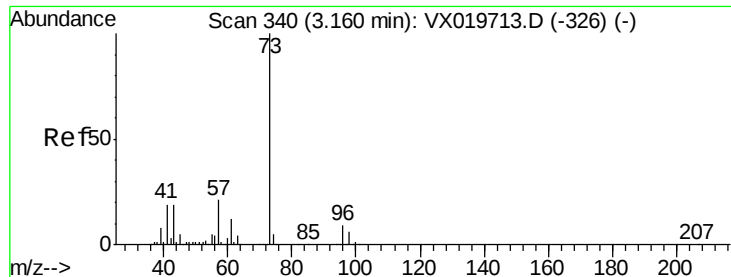
400000

200000

0

Time-->





#19

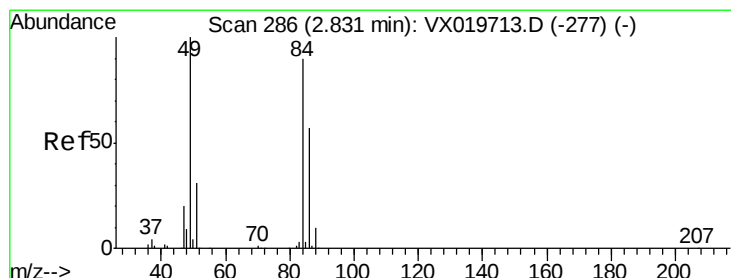
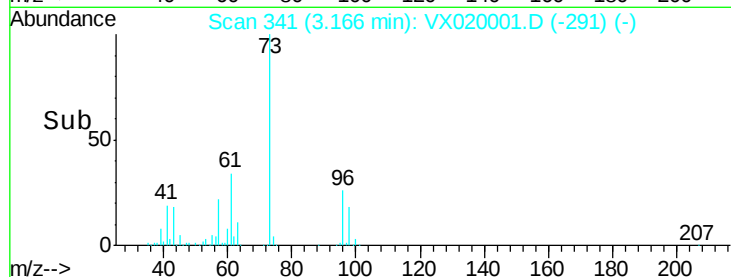
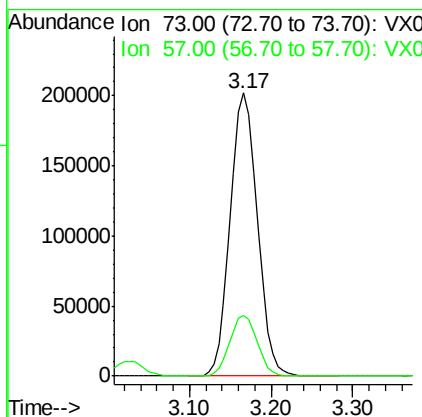
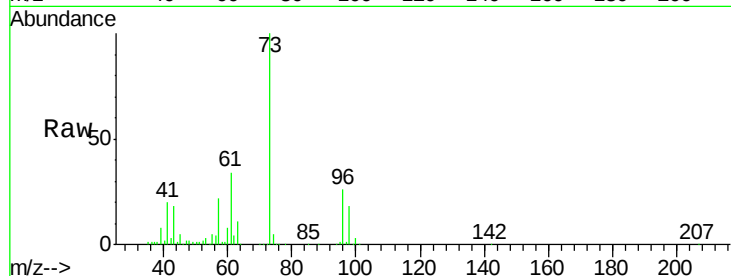
Methyl tert-butyl Ether
 Concen: 60.199 ug/l
 RT: 3.17 min Scan# 341
 Delta R.T. 0.01 min
 Lab File: VX020001.D
 Acq: 14 Dec 2020 20:54

Instrument :
 MSVOA_X
 ClientSampleId :
 TU032-32-5229-121020MSD

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.1	25.7

Manual Integrations
 APPROVED

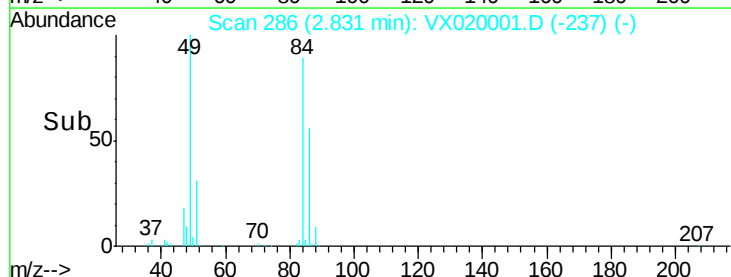
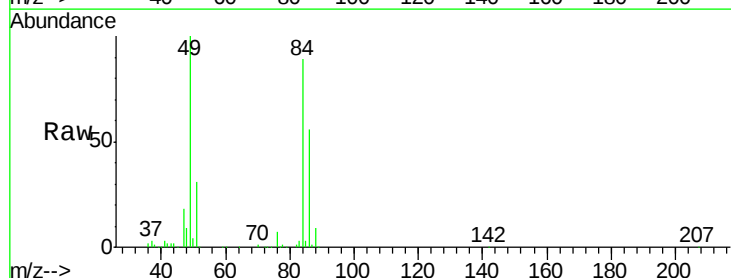
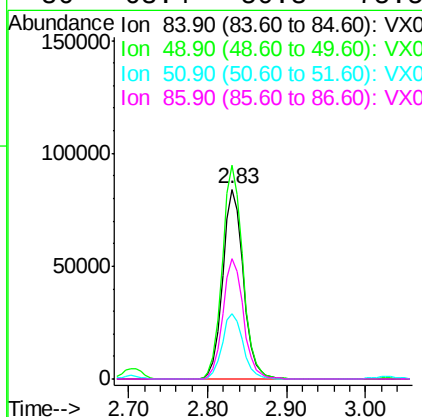
MMDadoda
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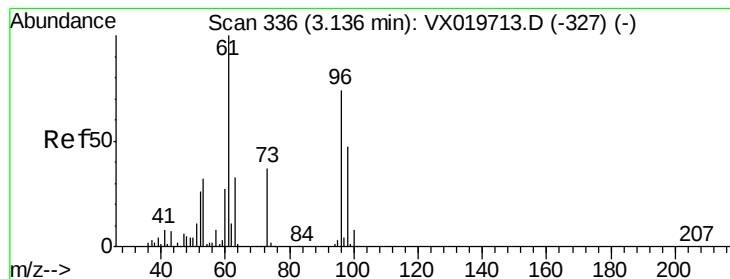


#20

Methylene Chloride
 Concen: 58.642 ug/l
 RT: 2.83 min Scan# 286
 Delta R.T. 0.00 min
 Lab File: VX020001.D
 Acq: 14 Dec 2020 20:54

Tgt Ion	Ratio	Lower	Upper
84	100		
49	112.7	88.6	132.8
51	34.6	27.0	40.6
86	63.4	50.3	75.5





#21

trans-1,2-Dichloroethene

Concen: 359.889 ug/l

RT: 3.14 min Scan# 336

Delta R.T. 0.00 min

Lab File: VX020001.D

Acq: 14 Dec 2020 20:54

Instrument :

MSVOA_X

ClientSampleId :

TU032-32-5229-121020MSD

Tot Ion: 96 Resp: 890383

Ion Ratio Lower Upper

96 100

61 139.6 107.7 161.5

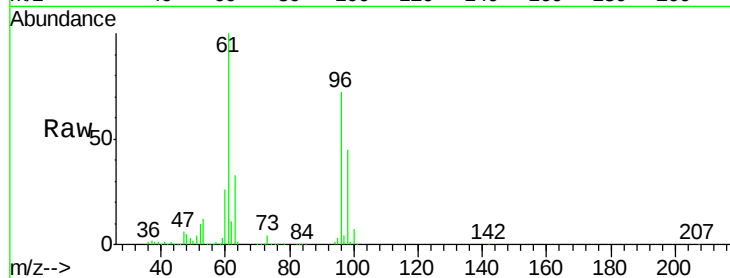
98 62.8 50.4 75.6

Manual Integrations

APPROVED

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Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

800000

600000

400000

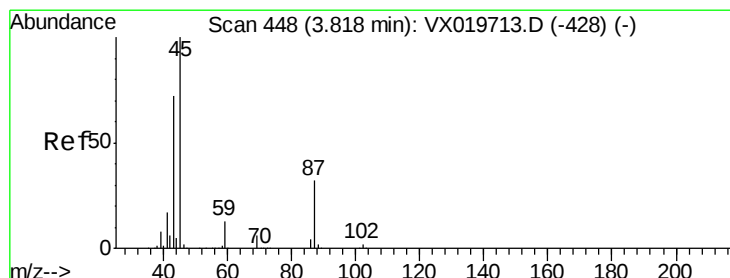
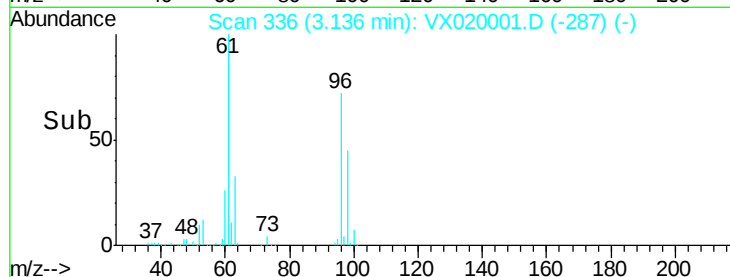
200000

0

3.14

3.00 3.10 3.20 3.30 3.40

Time-->



#22

Diisopropyl ether

Concen: 60.967 ug/l

RT: 3.82 min Scan# 449

Delta R.T. 0.01 min

Lab File: VX020001.D

Acq: 14 Dec 2020 20:54

Tgt Ion: 45 Resp: 441788

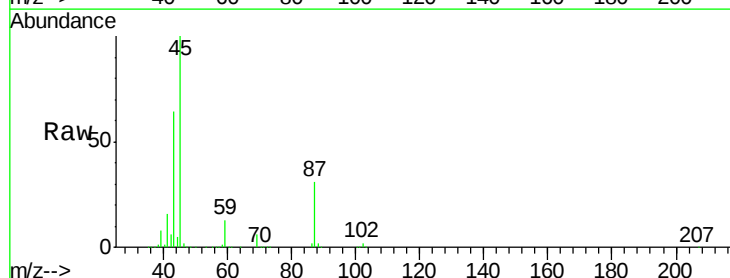
Ion Ratio Lower Upper

45 100

43 64.0 58.0 87.0

87 30.7 25.4 38.0

59 12.8 10.2 15.2



Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0

1000000

800000

600000

400000

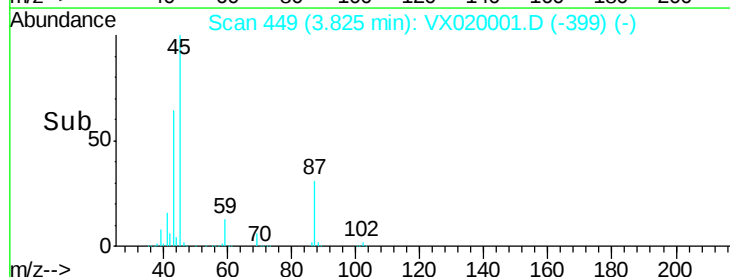
200000

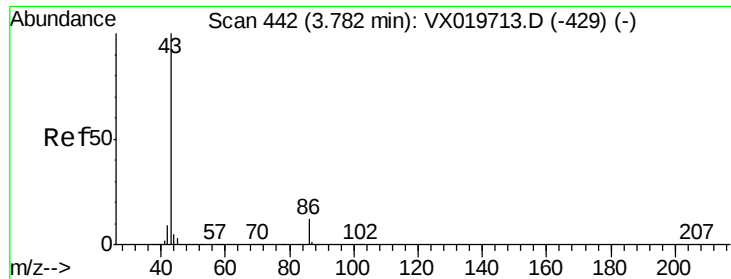
0

3.82

3.70 3.80 3.90

Time-->





#23

Vinyl Acetate

Concen: 292.826 ug/l

RT: 3.78 min Scan# 442

Delta R.T. 0.00 min

Lab File: VX020001.D

Acq: 14 Dec 2020 20:54

Instrument :

MSVOA_X

ClientSampleId :

TU032-32-5229-121020MSD

Tot Ion: 43 Resp: 1807786

Ion Ratio Lower Upper

43 100

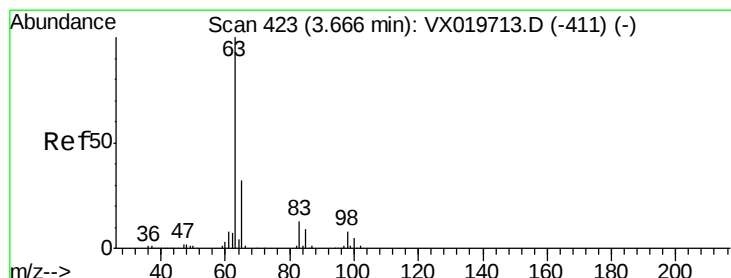
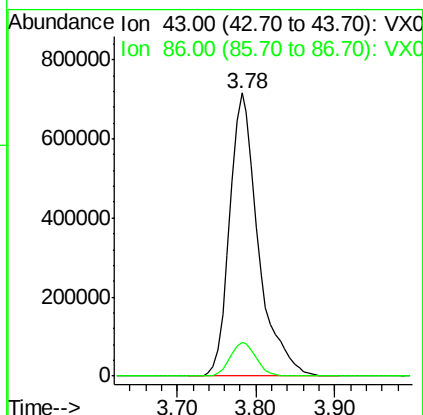
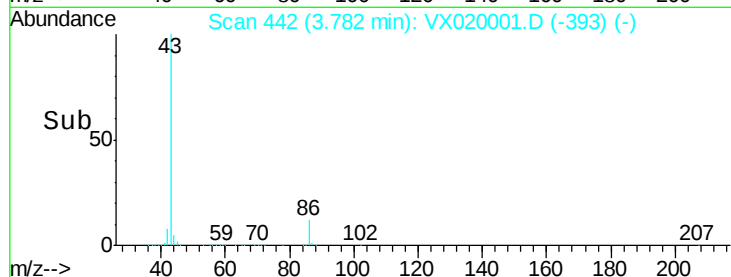
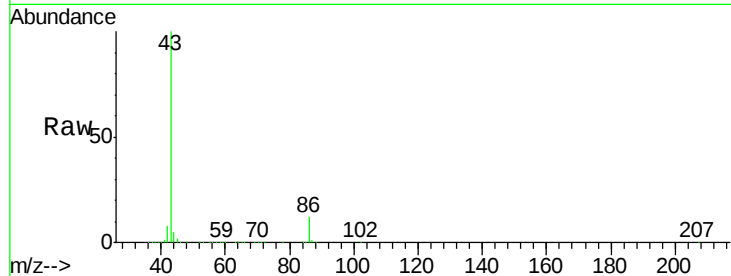
86 11.8 9.9 14.9

Manual Integrations

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MMDadoda

12/15/2020 5:34:19 PM



#24

1,1-Dichloroethane

Concen: 58.403 ug/l

RT: 3.67 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX020001.D

Acq: 14 Dec 2020 20:54

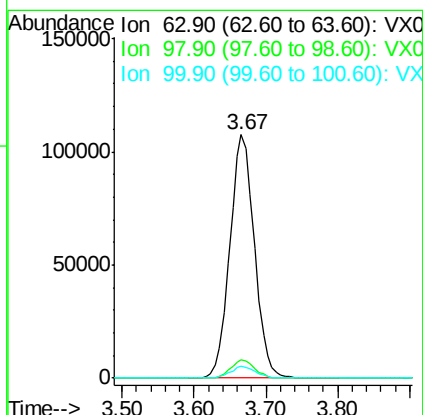
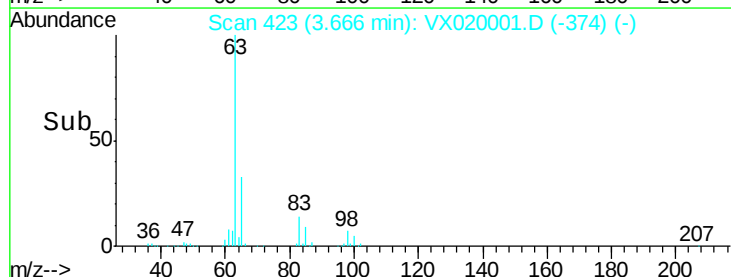
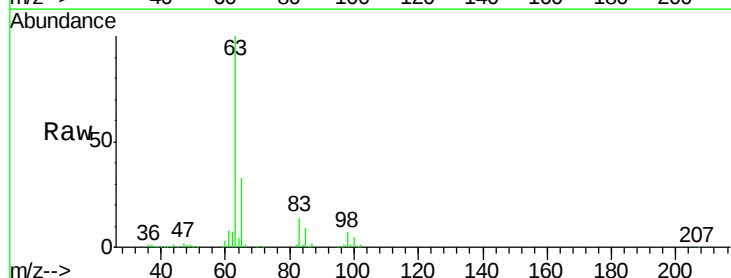
Tgt Ion: 63 Resp: 255209

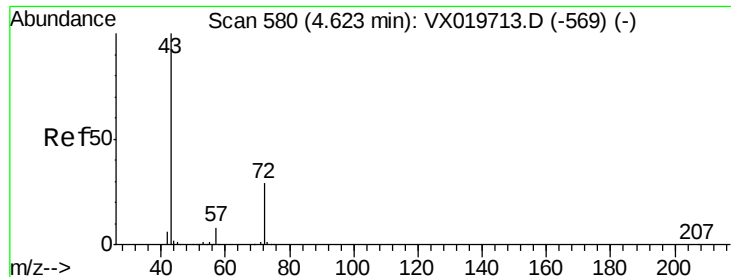
Ion Ratio Lower Upper

63 100

98 7.5 3.8 11.2

100 4.8 2.5 7.5





#25

2-Butanone

Concen: 397.722 ug/l

RT: 4.64 min Scan# 582

Delta R.T. 0.01 min

Lab File: VX020001.D

Acq: 14 Dec 2020 20:54

Instrument :

MSVOA_X

ClientSampleId :

TU032-32-5229-121020MSD

Tot Ion: 43 Resp: 699268

Ion Ratio Lower Upper

43 100

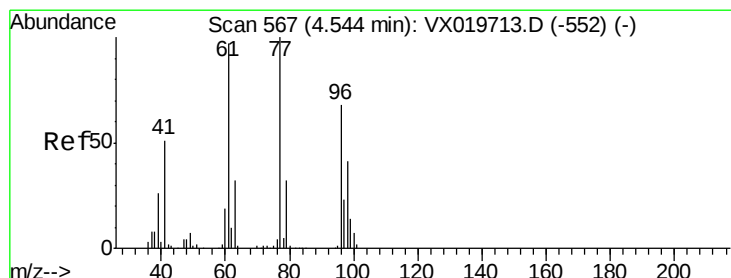
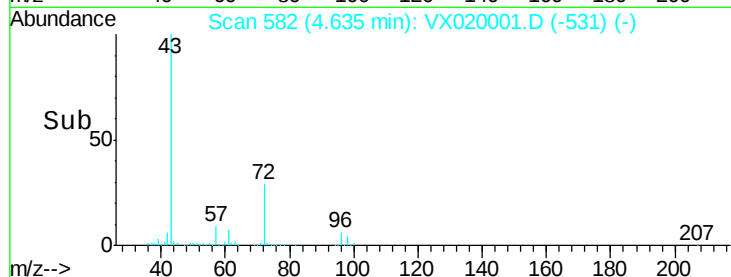
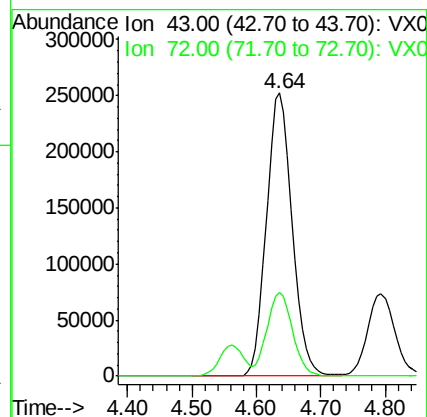
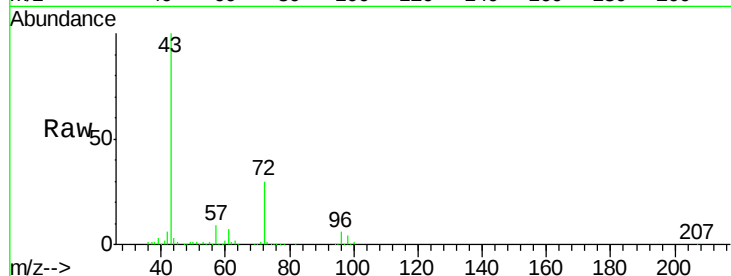
72 29.5 23.7 35.5

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 22.446 ug/l

RT: 4.55 min Scan# 568

Delta R.T. 0.01 min

Lab File: VX020001.D

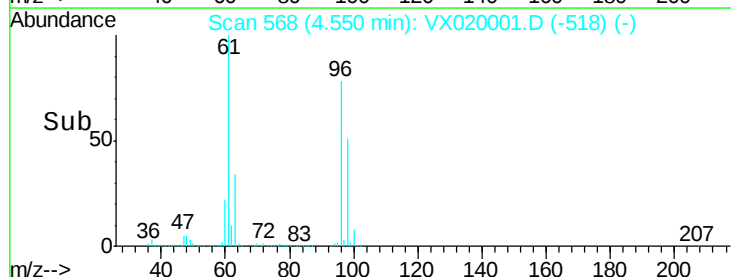
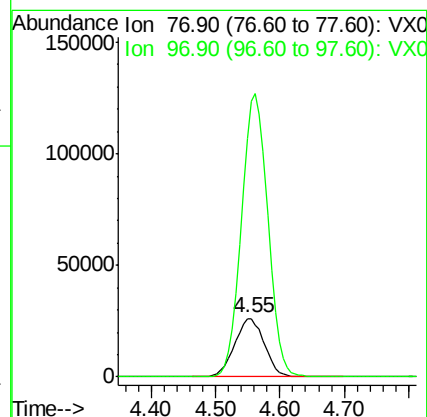
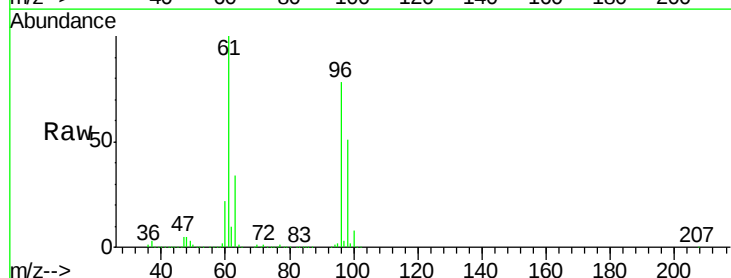
Acq: 14 Dec 2020 20:54

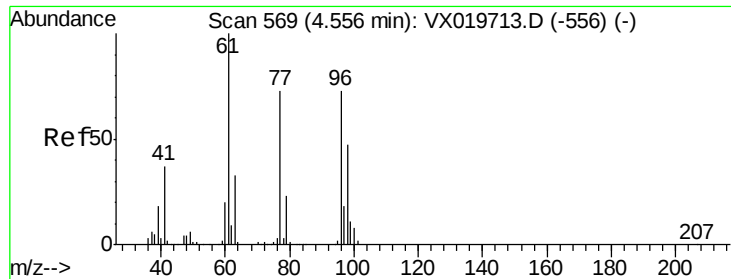
Tgt Ion: 77 Resp: 84466

Ion Ratio Lower Upper

77 100

97 426.3 11.7 35.1#





#27

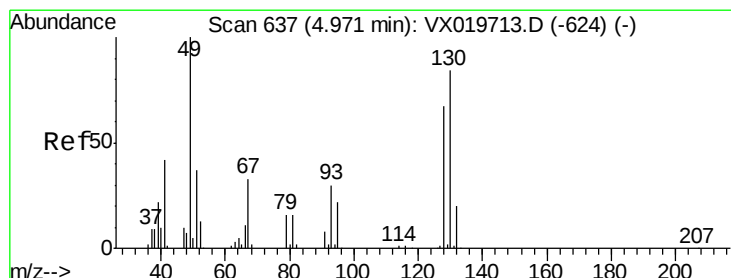
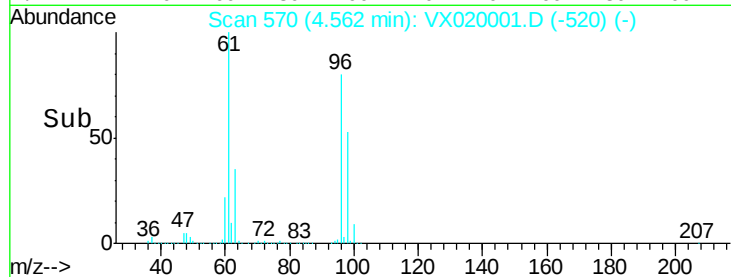
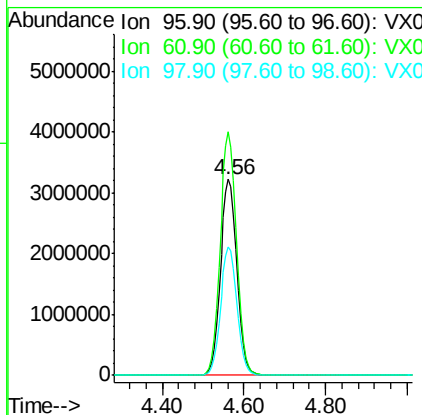
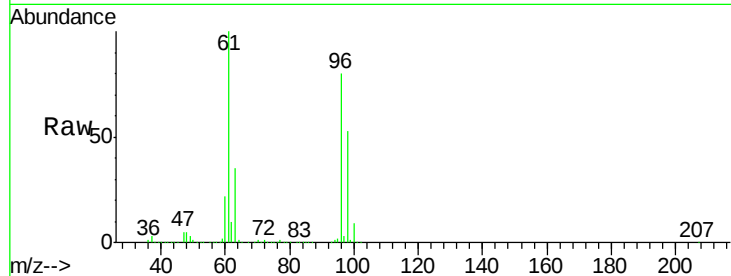
cis-1,2-Dichloroethene
 Concen: 3152.985 ug/l
 RT: 4.56 min Scan# 570
 Delta R.T. 0.01 min
 Lab File: VX020001.D
 Acq: 14 Dec 2020 20:54

Instrument :
 MSVOA_X
 ClientSampleId :
 TU032-32-5229-121020MSD

Tot Ion	Ratio	Lower	Upper
96	100		
61	123.8	0.0	285.6
98	65.4	0.0	129.6

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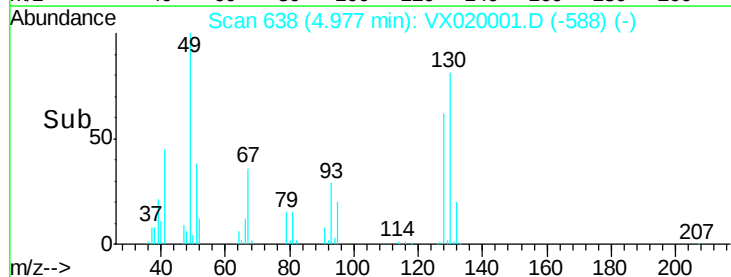
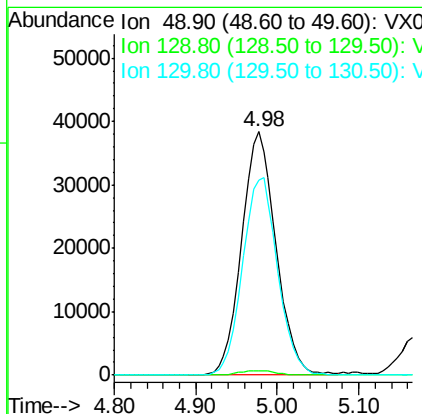
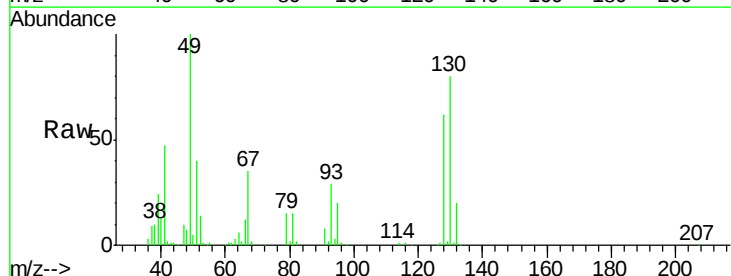
MMDadoda
 12/15/2020 5:34:19 PM

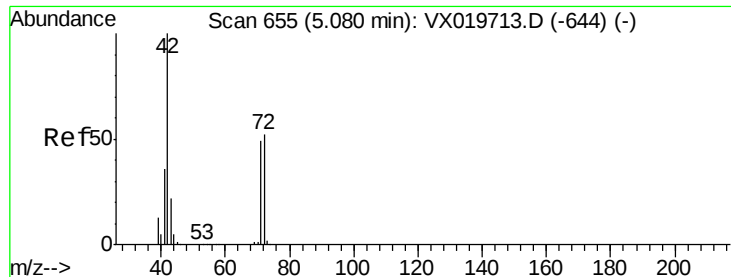


#28

Bromochloromethane
 Concen: 53.898 ug/l
 RT: 4.98 min Scan# 638
 Delta R.T. 0.01 min
 Lab File: VX020001.D
 Acq: 14 Dec 2020 20:54

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.0
130	82.8	68.2	102.2





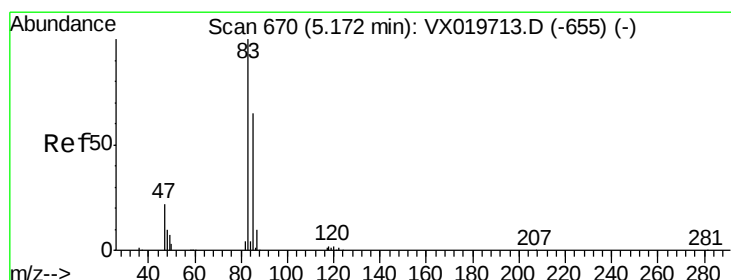
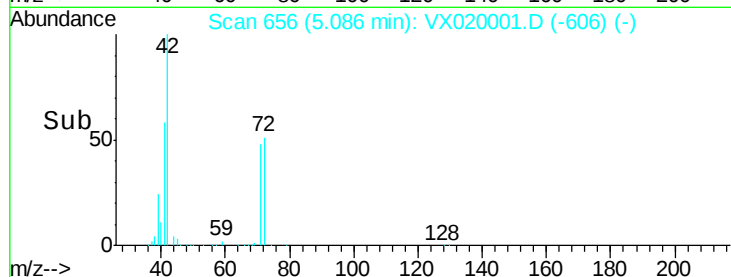
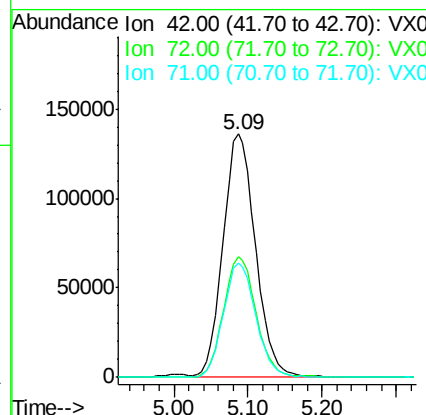
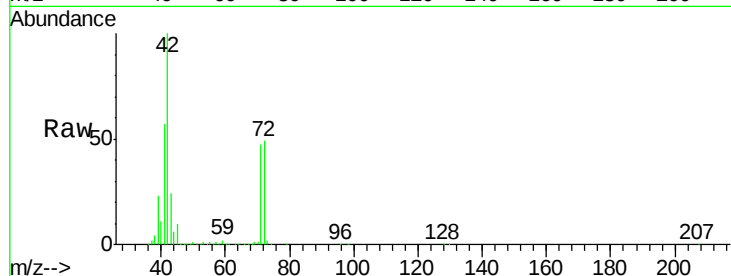
#29
Tetrahydrofuran
Concen: 362.721 ug/l
RT: 5.09 min Scan# 656
Delta R.T. 0.01 min
Lab File: VX020001.D
Acq: 14 Dec 2020 20:54

Instrument :
MSVOA_X
ClientSampleId :
TU032-32-5229-121020MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.3	41.7	62.5
71	47.1	38.4	57.6

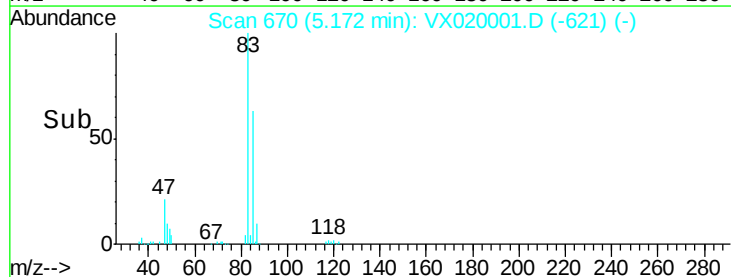
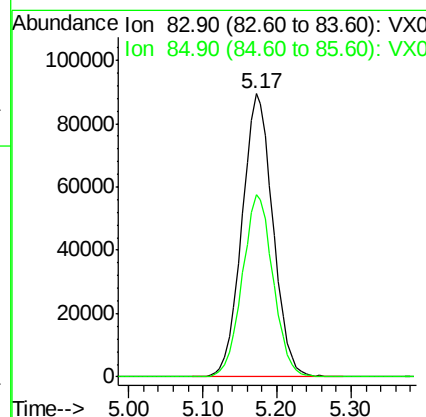
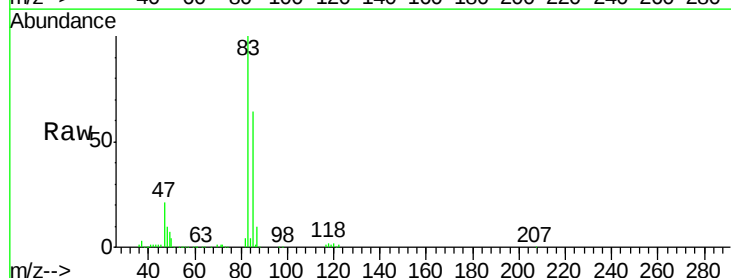
Manual Integrations
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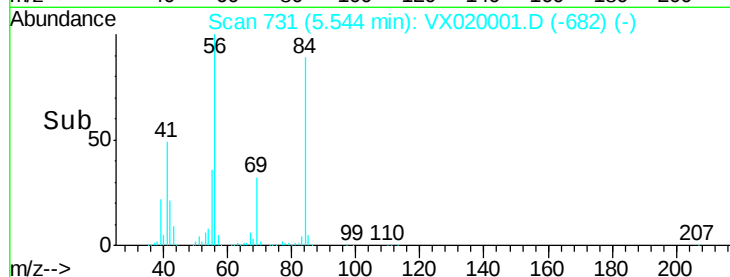
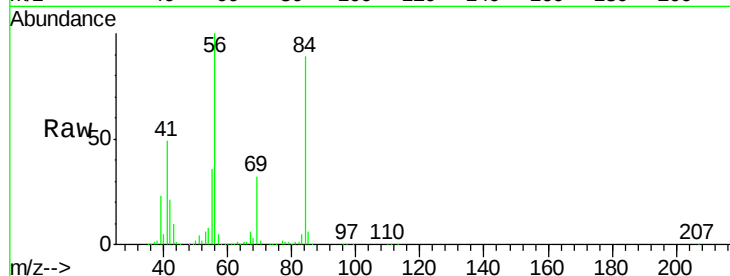
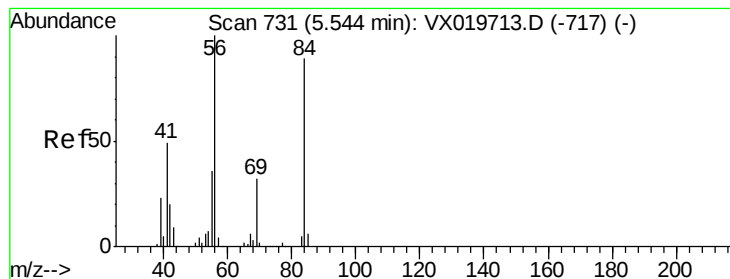
MMDadoda
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#30
Chloroform
Concen: 58.074 ug/l
RT: 5.17 min Scan# 670
Delta R.T. 0.00 min
Lab File: VX020001.D
Acq: 14 Dec 2020 20:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	52.0	78.0





#31

Cyclohexane

Concen: 45.783 ug/l

RT: 5.54 min Scan# 731

Delta R.T. 0.00 min

Lab File: VX020001.D

Acq: 14 Dec 2020 20:54

Tot Ion	Ion	Ratio	Lower	Upper
173361	56	100		
	69	32.2	25.3	37.9
	84	87.6	71.4	107.0

Instrument :

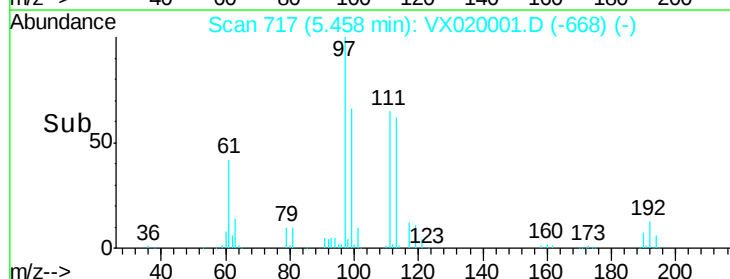
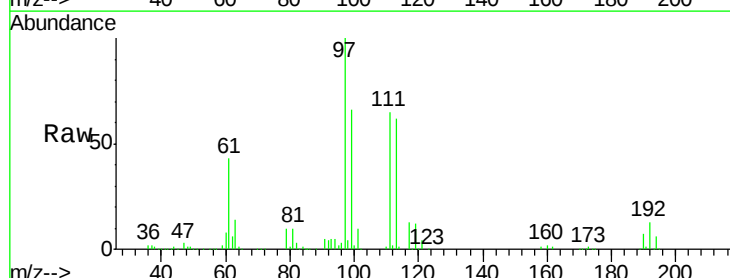
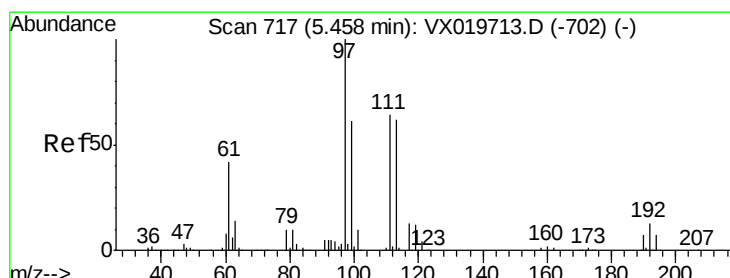
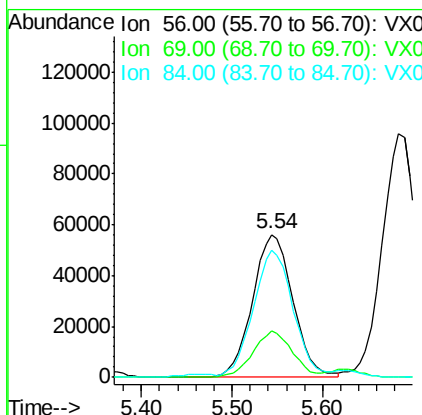
MSVOA_X

ClientSampleId :

TU032-32-5229-121020MSD

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#32

1,1,1-Trichloroethane

Concen: 56.307 ug/l

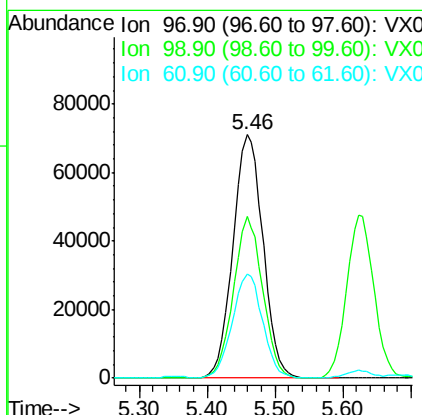
RT: 5.46 min Scan# 717

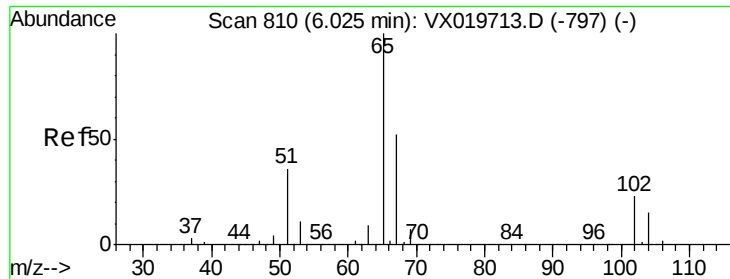
Delta R.T. 0.00 min

Lab File: VX020001.D

Acq: 14 Dec 2020 20:54

Tgt Ion	Ion	Ratio	Lower	Upper
217875	97	100		
	99	64.3	51.5	77.3
	61	42.6	34.2	51.4





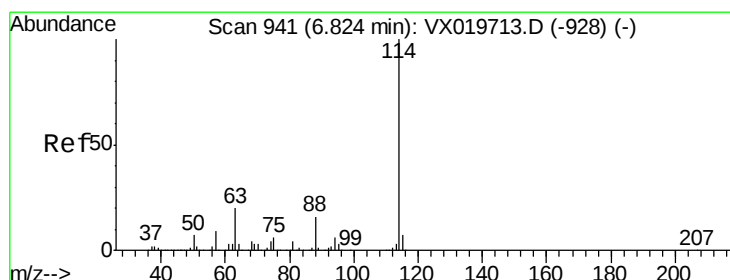
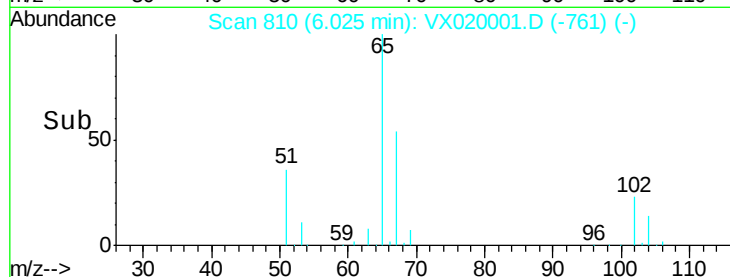
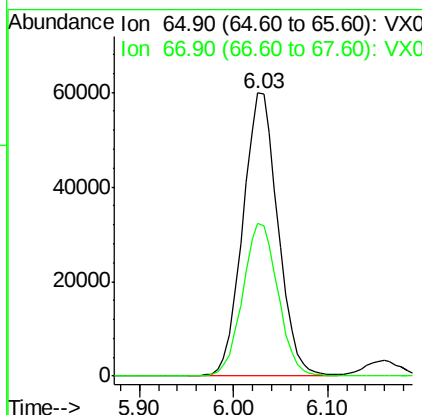
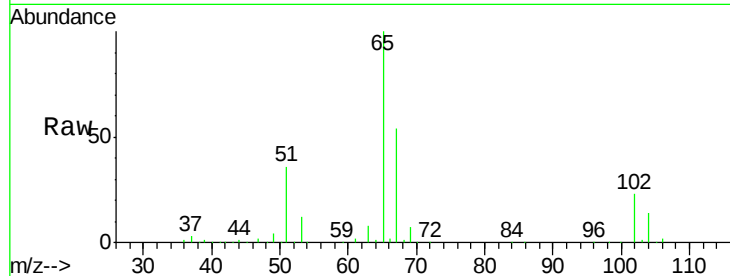
#33
 1,2-Dichloroethane-d4
 Concen: 51.499 ug/l
 RT: 6.03 min Scan# 810
 Delta R.T. 0.00 min
 Lab File: VX020001.D
 Acq: 14 Dec 2020 20:54

Instrument :
 MSVOA_X
 ClientSampleId :
 TU032-32-5229-121020MSD

Tot Ion	Ratio	Resp	Lower	Upper
65	100	156767		
67	54.2	0.0	105.4	

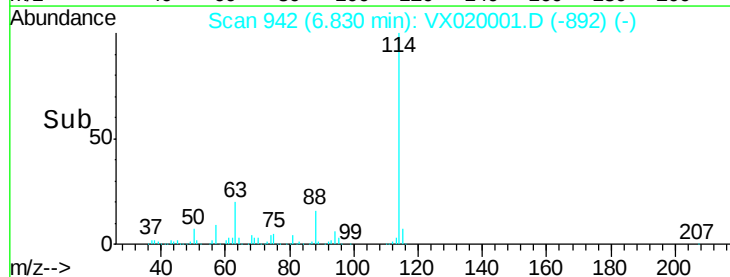
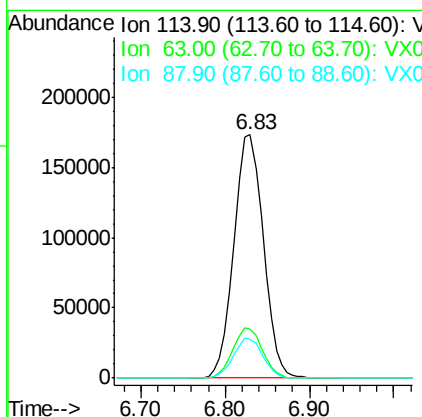
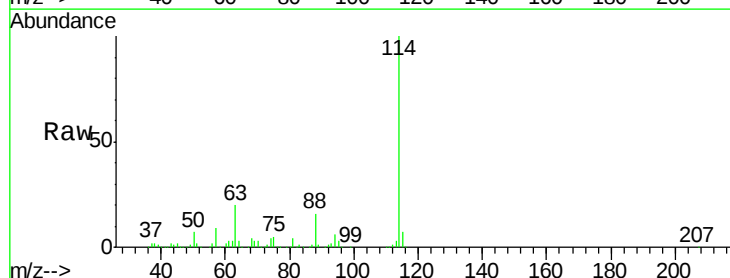
Manual Integrations
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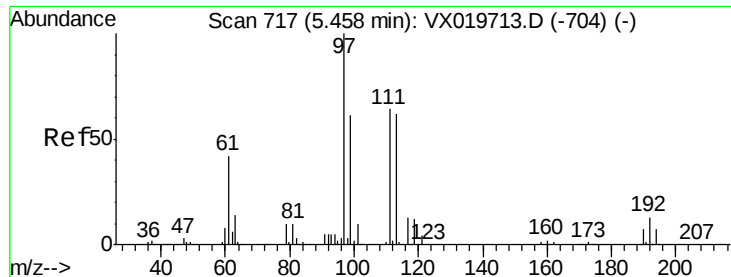
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. 0.01 min
 Lab File: VX020001.D
 Acq: 14 Dec 2020 20:54

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	410019		
63	20.2	0.0	40.8	
88	15.9	0.0	32.8	





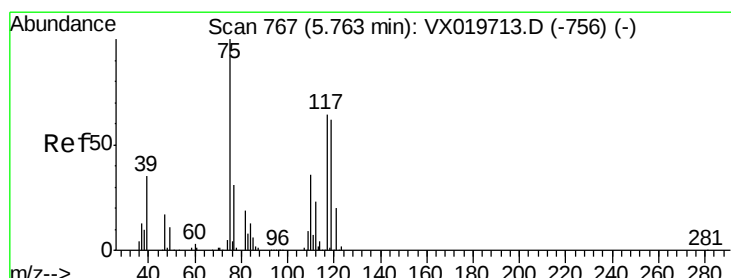
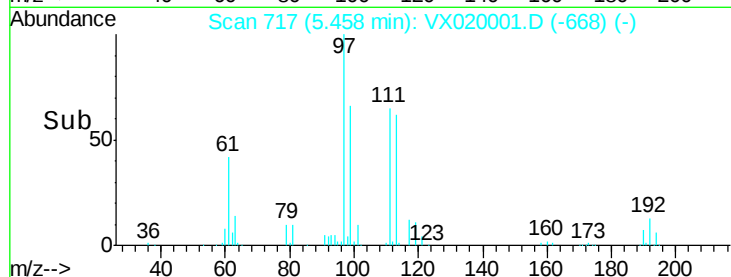
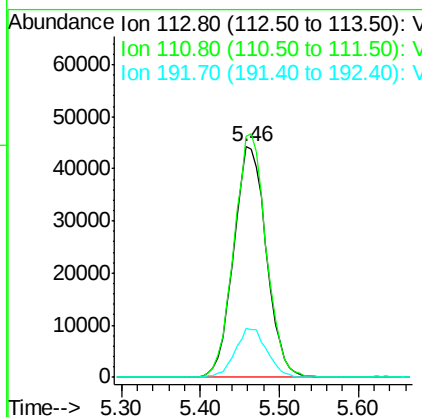
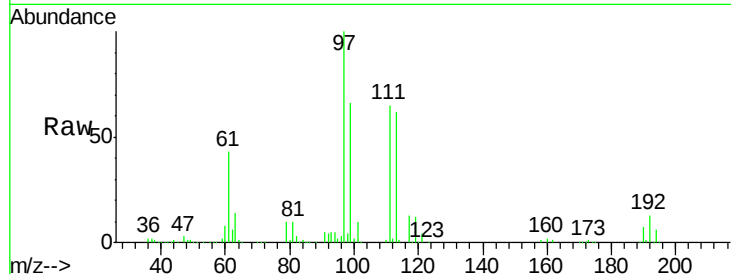
#35
Dibromofluoromethane
Concen: 48.250 ug/l
RT: 5.46 min Scan# 717
Delta R.T. 0.00 min
Lab File: VX020001.D
Acq: 14 Dec 2020 20:54

Instrument :
MSVOA_X
ClientSampleId :
TU032-32-5229-121020MSD

Tot Ion	Ratio	Resp	Lower	Upper
113	100	127858		
111	103.7	81.9	122.9	
192	20.5	16.7	25.1	

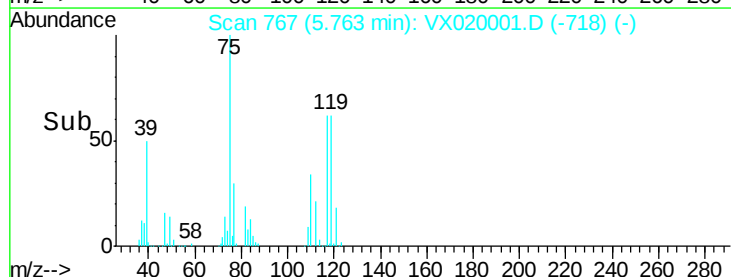
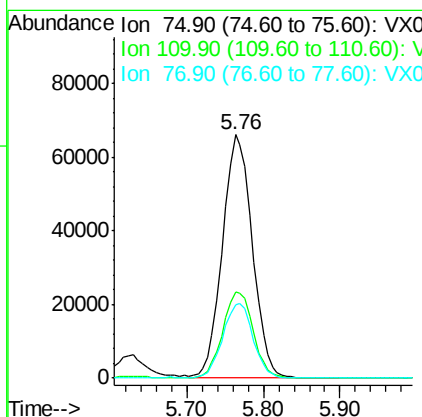
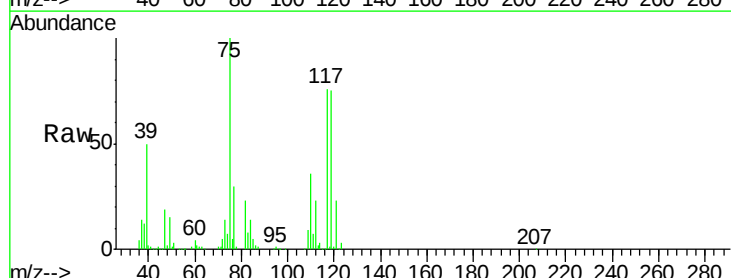
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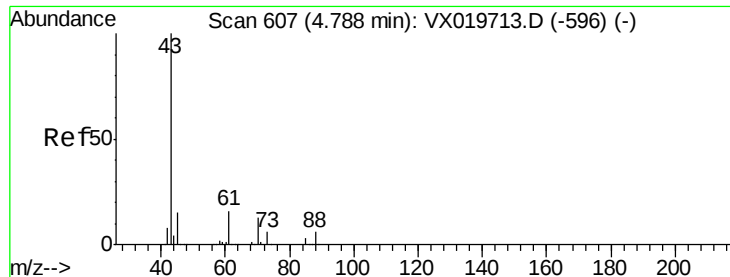
MMDadoda
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#36
1,1-Dichloropropene
Concen: 48.364 ug/l
RT: 5.76 min Scan# 767
Delta R.T. 0.00 min
Lab File: VX020001.D
Acq: 14 Dec 2020 20:54

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	179193		
110	36.0	18.1	54.4	
77	31.0	25.3	37.9	





#37

Ethyl Acetate

Concen: 57.260 ug/l

RT: 4.79 min Scan# 608

Delta R.T. 0.01 min

Lab File: VX020001.D

Acq: 14 Dec 2020 20:54

Instrument :

MSVOA_X

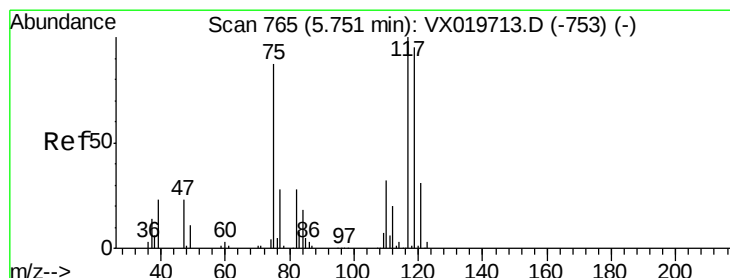
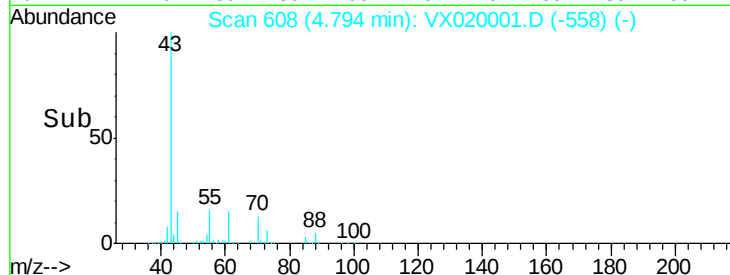
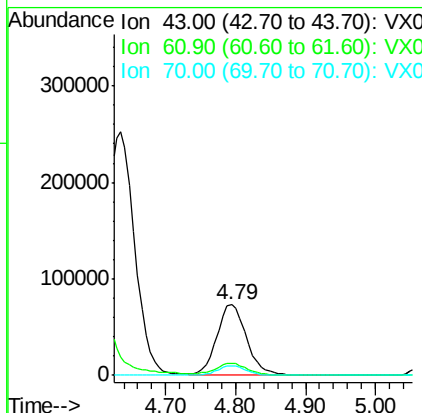
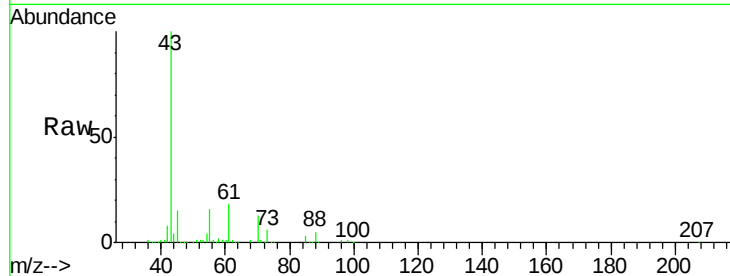
ClientSampleId :

TU032-32-5229-121020MSD

Tot Ion:	43	Resp:	214204
Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.8	19.2#
70	13.0	10.5	15.7

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 49.384 ug/l

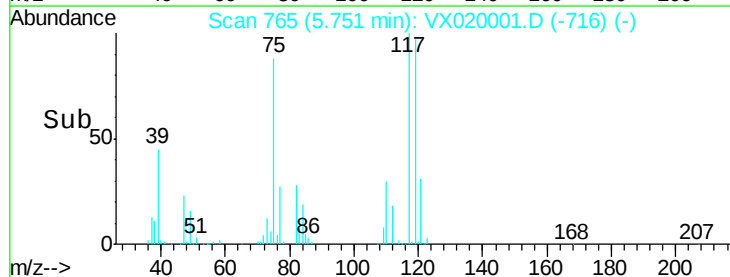
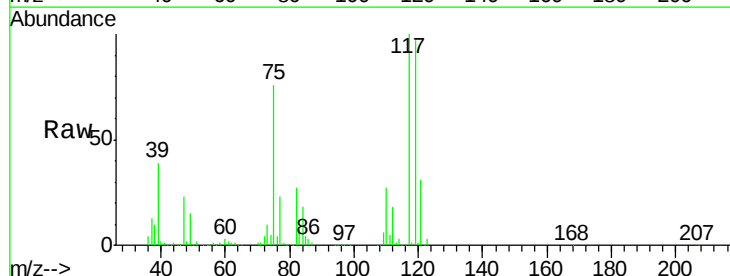
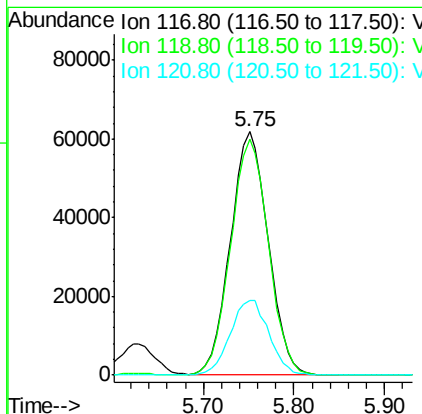
RT: 5.75 min Scan# 765

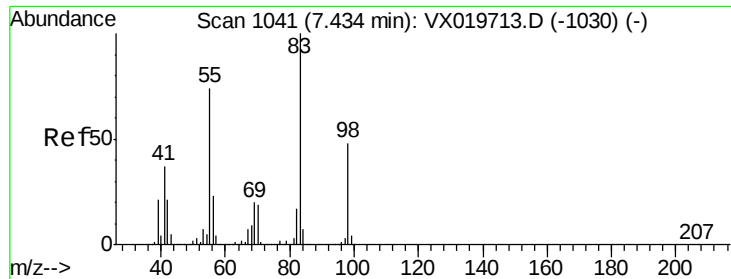
Delta R.T. 0.00 min

Lab File: VX020001.D

Acq: 14 Dec 2020 20:54

Tgt Ion:	117	Resp:	179176
Ion	Ratio	Lower	Upper
117	100		
119	96.5	76.2	114.2
121	30.9	24.8	37.2





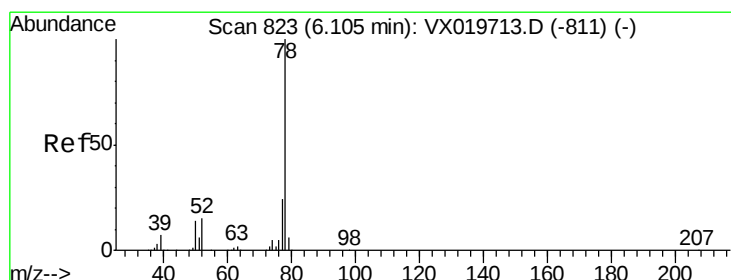
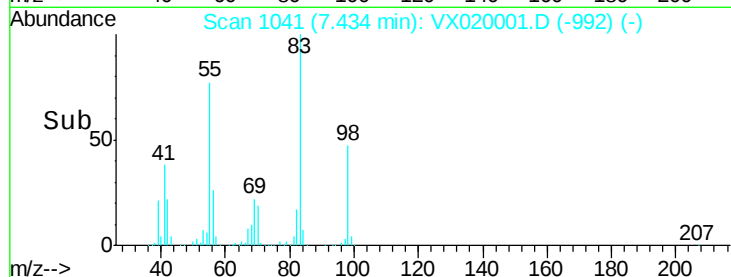
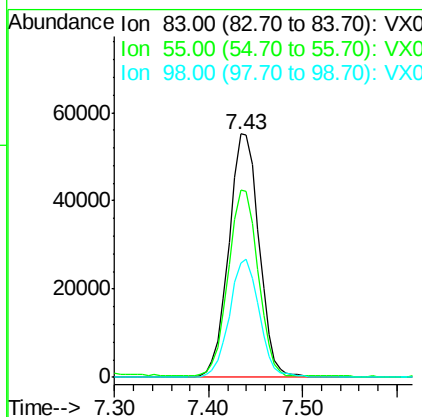
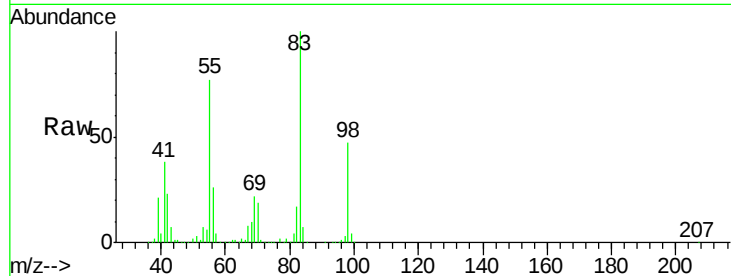
#39
Methvlcvclohexane
Concen: 28.371 ug/l
RT: 7.43 min Scan# 1041
Delta R.T. 0.00 min
Lab File: VX020001.D
Acq: 14 Dec 2020 20:54

Instrument :
MSVOA_X
ClientSampleId :
TU032-32-5229-121020MSD

Tot Ion	Ratio	Resp	Lower	Upper
83	100	123499		
55	76.3		58.9	88.3
98	47.1		38.1	57.1

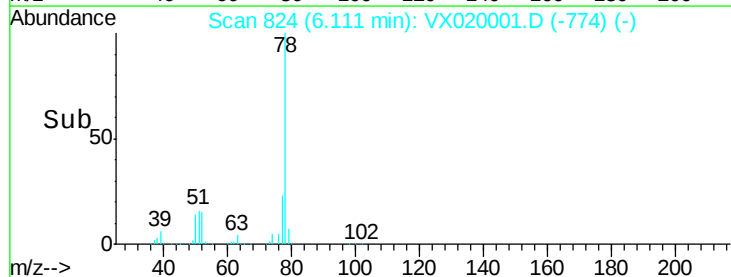
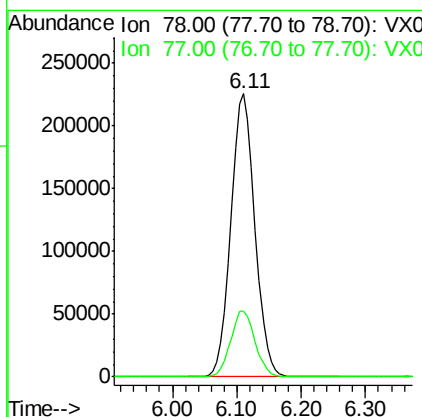
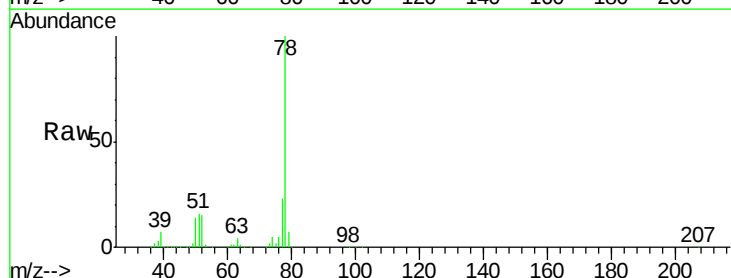
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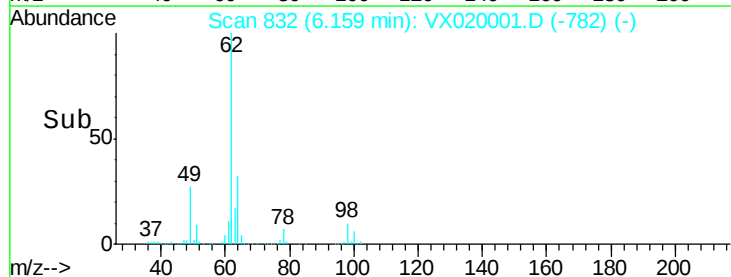
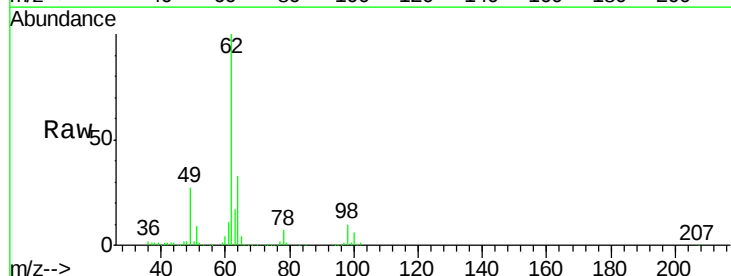
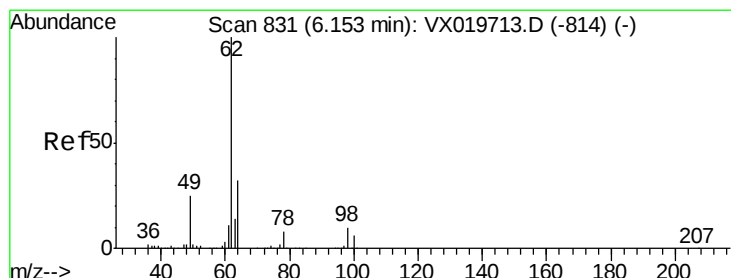
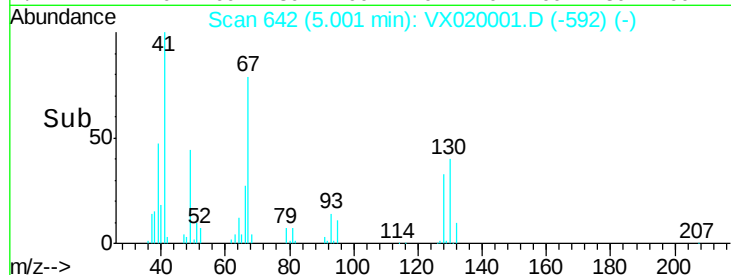
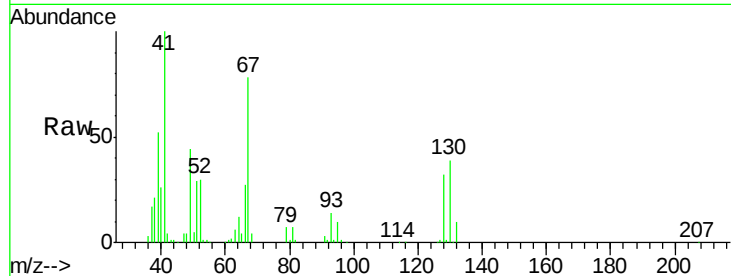
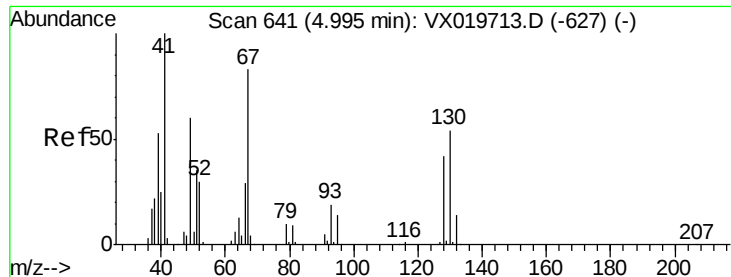
MMDadoda
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#40
Benzene
Concen: 51.947 ug/l
RT: 6.11 min Scan# 824
Delta R.T. 0.01 min
Lab File: VX020001.D
Acq: 14 Dec 2020 20:54

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	587932		
77	23.4		18.9	28.3





#41

Methacrylonitrile

Concen: 59.650 ug/l

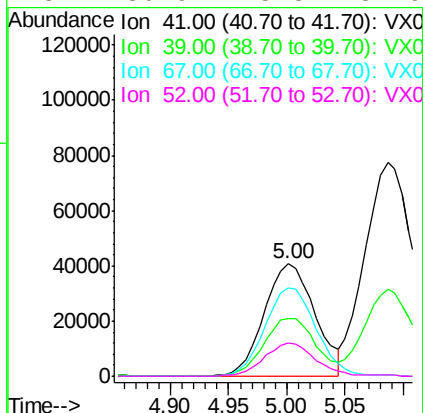
RT: 5.00 min Scan# 642

Delta R.T. 0.01 min

Lab File: VX020001.D

Acq: 14 Dec 2020 20:54

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		122516		
39	53.2	42.5	63.7		
67	80.5	65.0	97.6		
52	30.9	25.3	37.9		



Instrument :

MSVOA_X

ClientSampleId :

TU032-32-5229-121020MSD

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#42

1,2-Dichloroethane

Concen: 53.395 ug/l

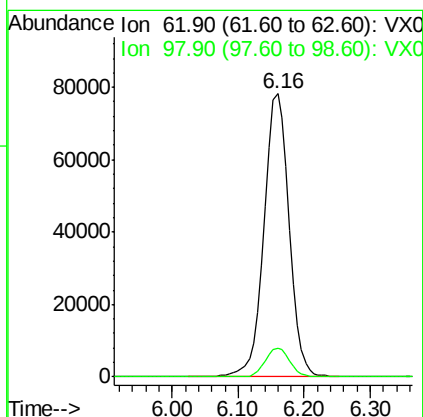
RT: 6.16 min Scan# 832

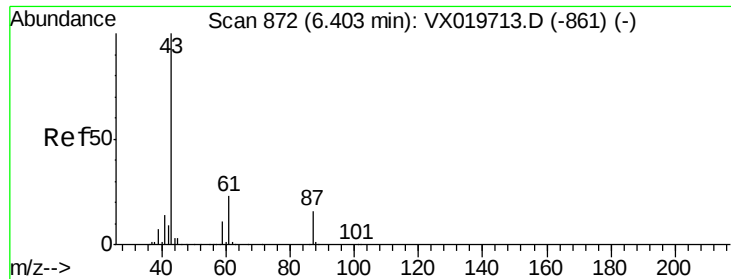
Delta R.T. 0.01 min

Lab File: VX020001.D

Acq: 14 Dec 2020 20:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		206475		
98	9.9	0.0	20.2		





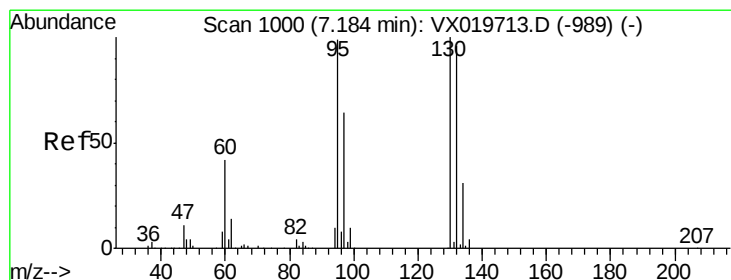
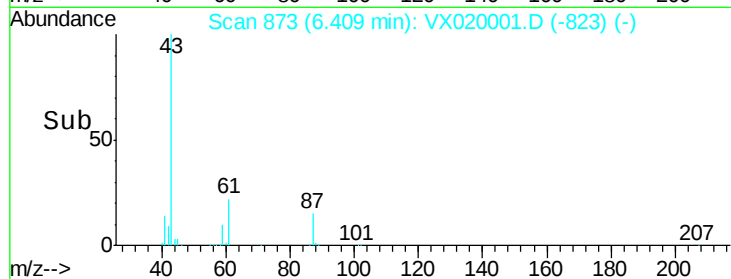
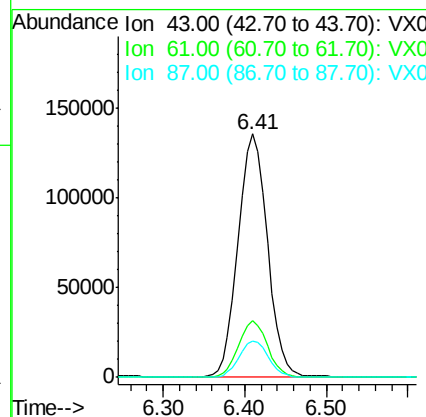
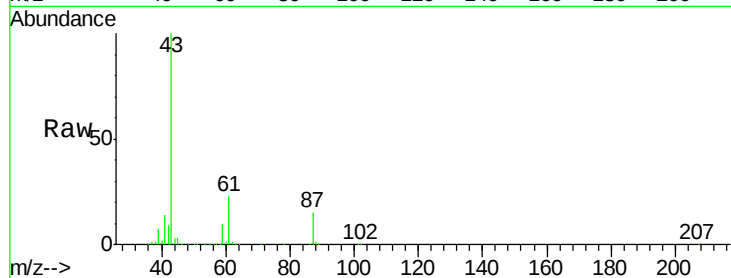
#43
Isopropyl Acetate
Concen: 55.327 ug/l
RT: 6.41 min Scan# 873
Delta R.T. 0.01 min
Lab File: VX020001.D
Acq: 14 Dec 2020 20:54

Instrument :
MSVOA_X
ClientSampleId :
TU032-32-5229-121020MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	23.1	18.2	27.4
87	15.1	12.5	18.7

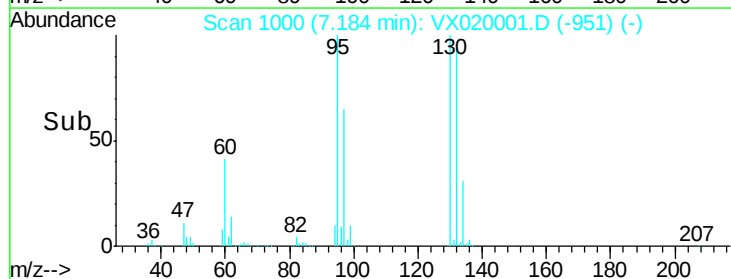
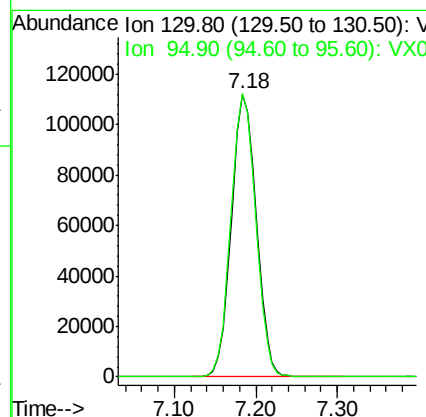
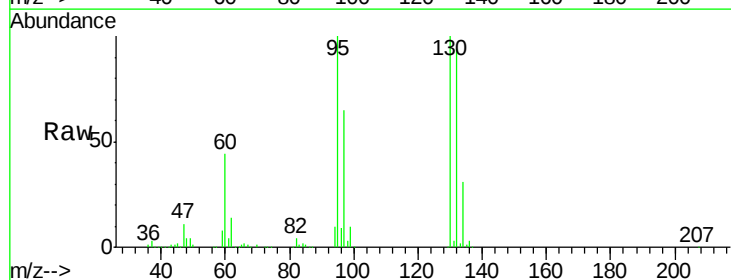
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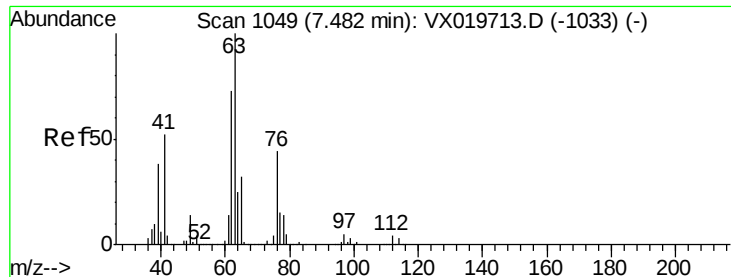
MMDadoda
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#44
Trichloroethene
Concen: 79.209 ug/l
RT: 7.18 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VX020001.D
Acq: 14 Dec 2020 20:54

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.2	0.0	198.0





#45

1,2-Dichloropropane

Concen: 54.775 ug/l

RT: 7.49 min Scan# 1050

Delta R.T. 0.01 min

Lab File: VX020001.D

Acq: 14 Dec 2020 20:54

Instrument :

MSVOA_X

ClientSampleId :

TU032-32-5229-121020MSD

Tot Ion: 63 Resp: 154941

Ion Ratio Lower Upper

63 100

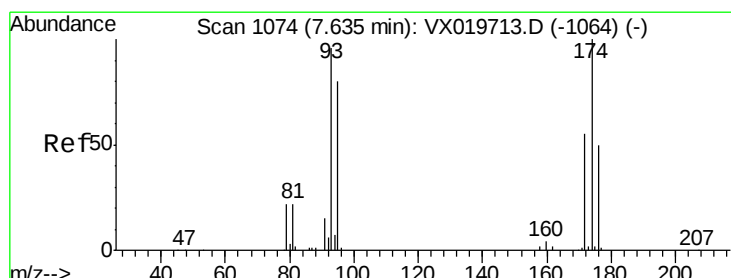
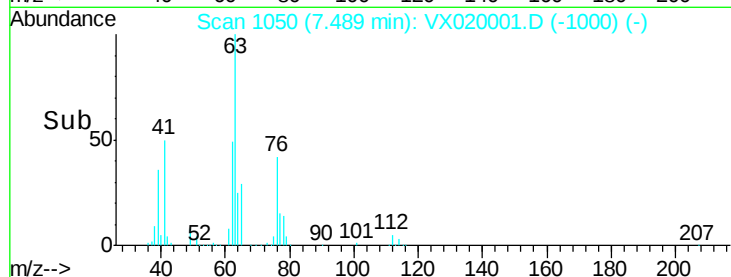
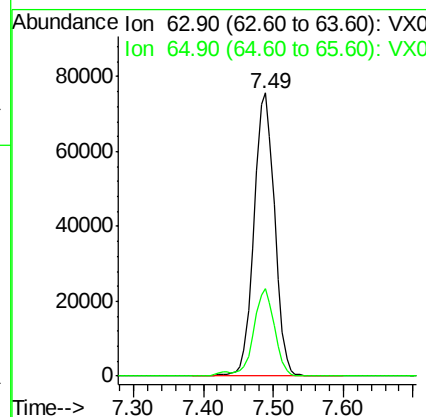
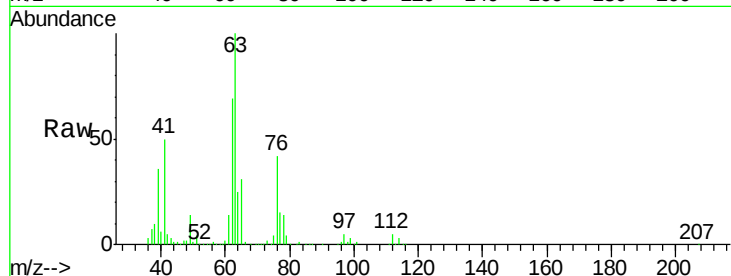
65 31.1 25.7 38.5

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#46

Dibromomethane

Concen: 54.556 ug/l

RT: 7.63 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VX020001.D

Acq: 14 Dec 2020 20:54

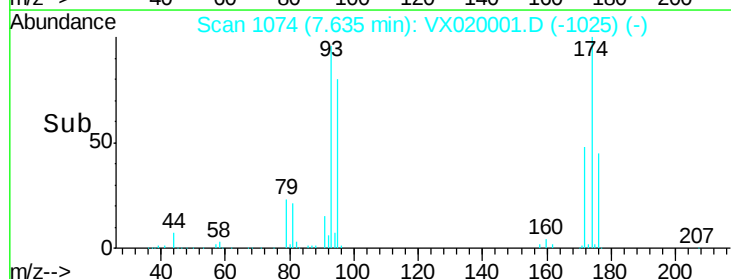
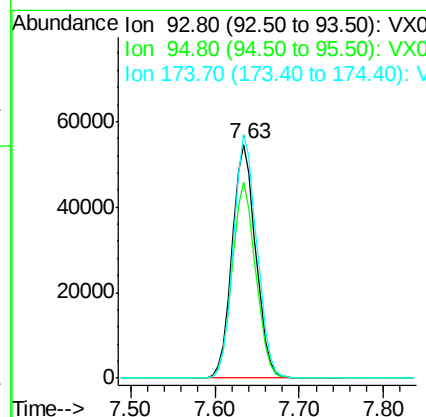
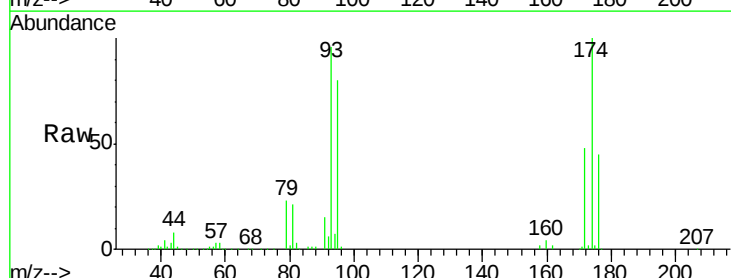
Tgt Ion: 93 Resp: 104214

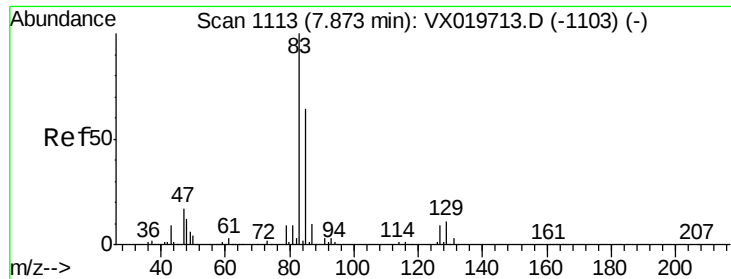
Ion Ratio Lower Upper

93 100

95 83.3 66.8 100.2

174 103.4 83.1 124.7





#47

Bromodichloromethane

Concen: 54.961 ug/l

RT: 7.87 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VX020001.D

Acq: 14 Dec 2020 20:54

Instrument :

MSVOA_X

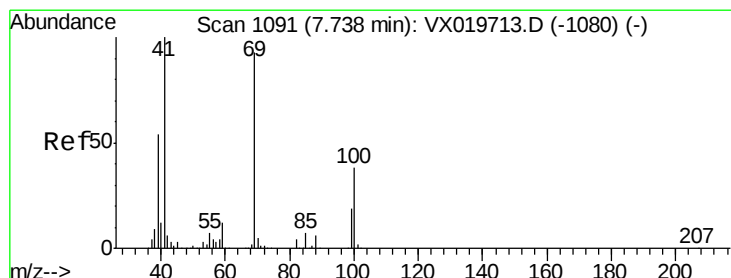
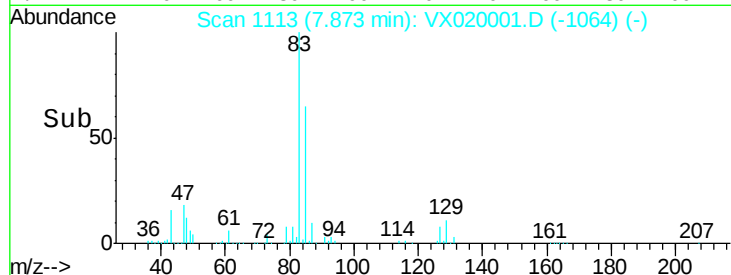
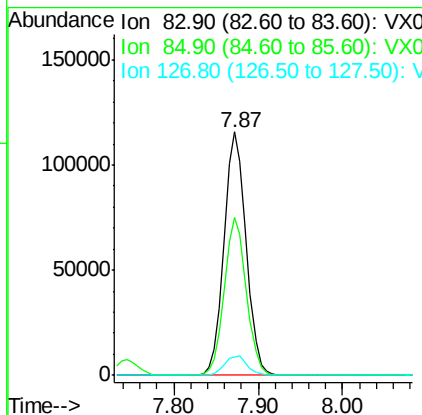
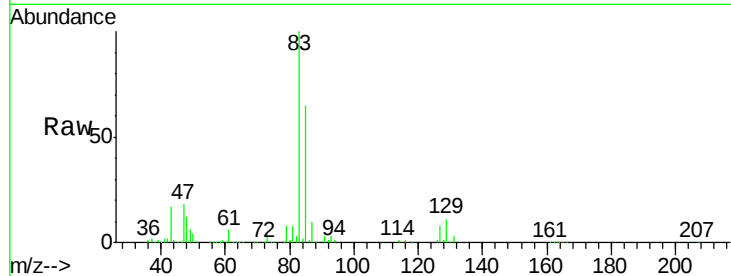
ClientSampleId :

TU032-32-5229-121020MSD

Tot Ion	83	Resp	208329
Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.4	77.0
127	7.7	6.8	10.2

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#48

Methyl methacrylate

Concen: 58.897 ug/l

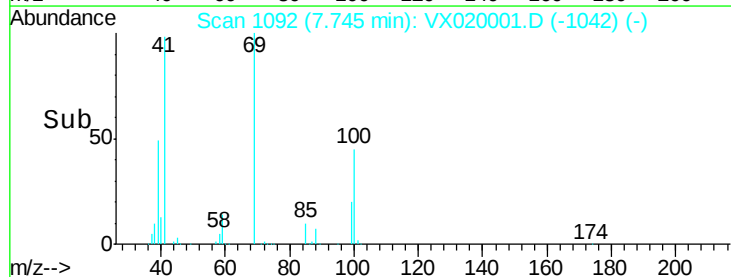
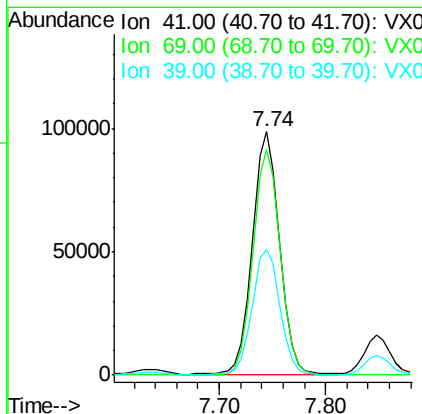
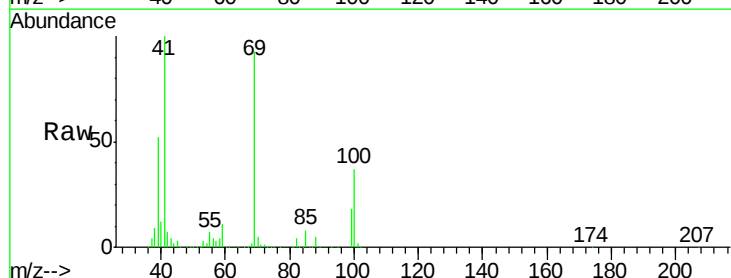
RT: 7.74 min Scan# 1092

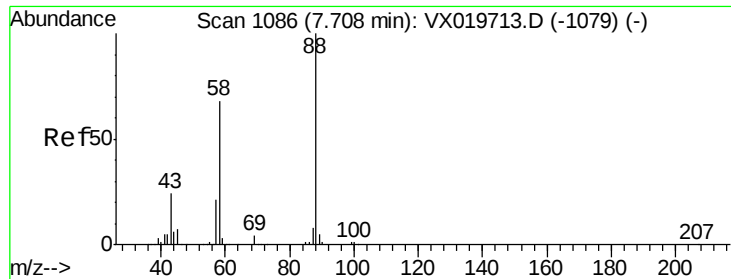
Delta R.T. 0.01 min

Lab File: VX020001.D

Acq: 14 Dec 2020 20:54

Tgt Ion	41	Resp	176170
Ion	Ratio	Lower	Upper
41	100		
69	93.5	76.0	114.0
39	52.6	44.6	67.0





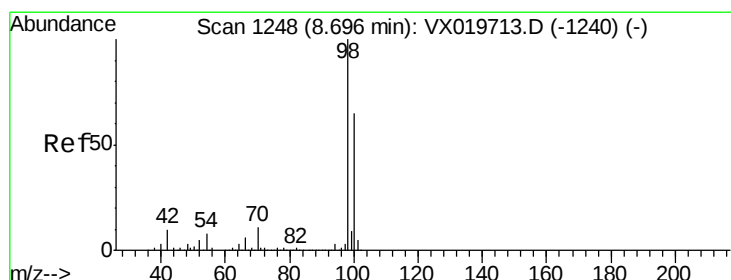
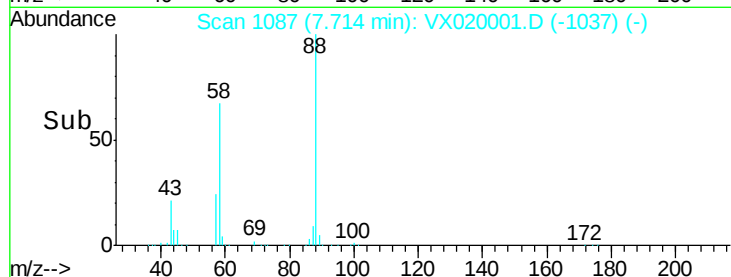
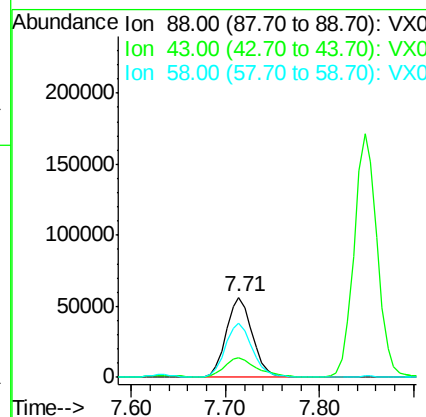
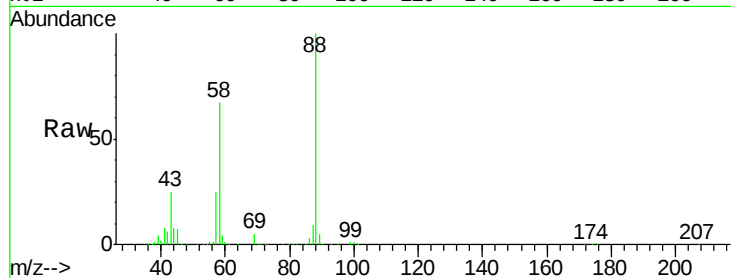
#49
1,4-Dioxane
Concen: 1493.079 ug/l
RT: 7.71 min Scan# 1087
Delta R.T. 0.01 min
Lab File: VX020001.D
Acq: 14 Dec 2020 20:54

Instrument :
MSVOA_X
ClientSampleId :
TU032-32-5229-121020MSD

Tot Ion	Ratio	Lower	Upper
88	100		
43	27.7	23.2	34.8
58	70.3	55.0	82.4

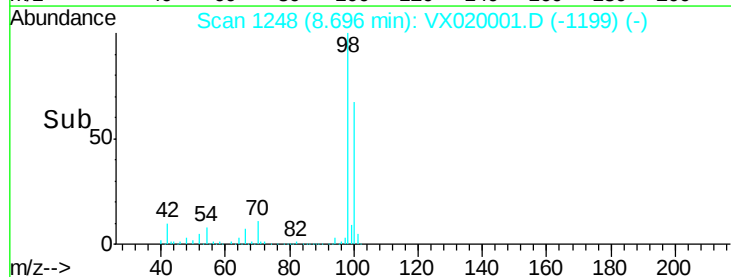
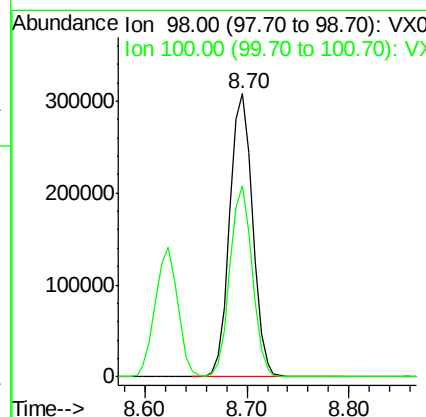
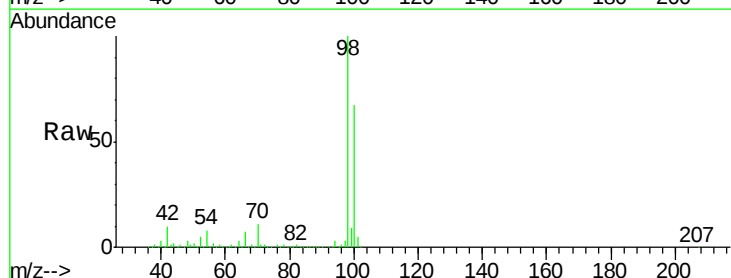
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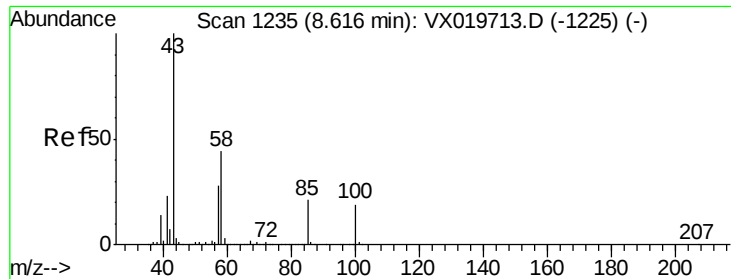
MMDadoda
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#50
Toluene-d8
Concen: 47.264 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX020001.D
Acq: 14 Dec 2020 20:54

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.1	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 320.415 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. 0.01 min

Lab File: VX020001.D

Acq: 14 Dec 2020 20:54

Instrument :

MSVOA_X

ClientSampleId :

TU032-32-5229-121020MSD

Tot Ion: 43 Resp: 1189768

Ion Ratio Lower Upper

43 100

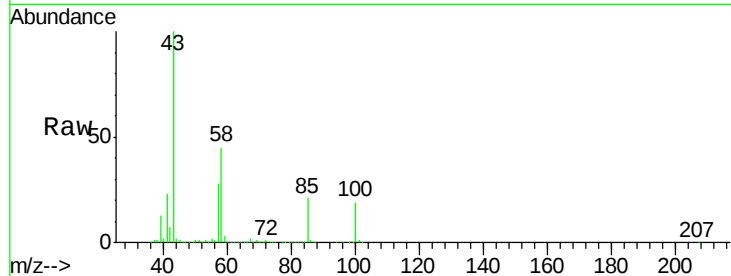
58 44.0 35.4 53.0

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.62

800000

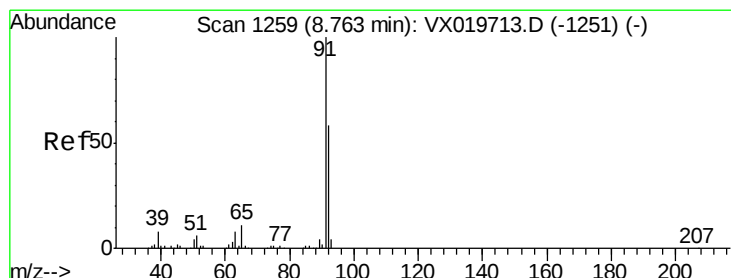
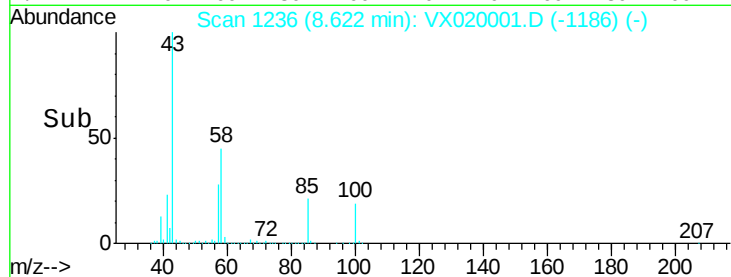
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 51.393 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VX020001.D

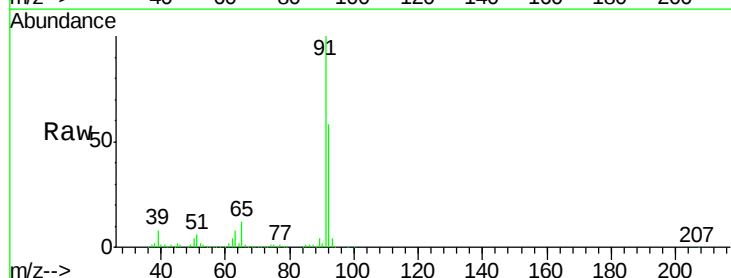
Acq: 14 Dec 2020 20:54

Tgt Ion: 92 Resp: 363795

Ion Ratio Lower Upper

92 100

91 171.1 137.1 205.7



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.76

400000

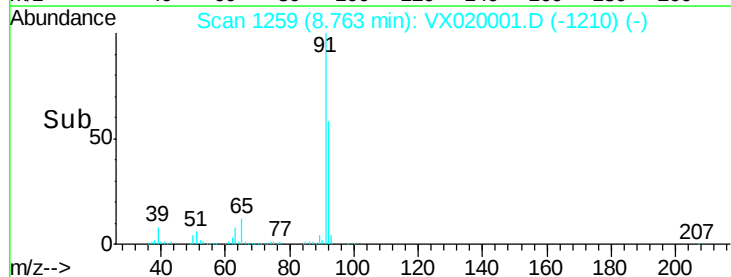
300000

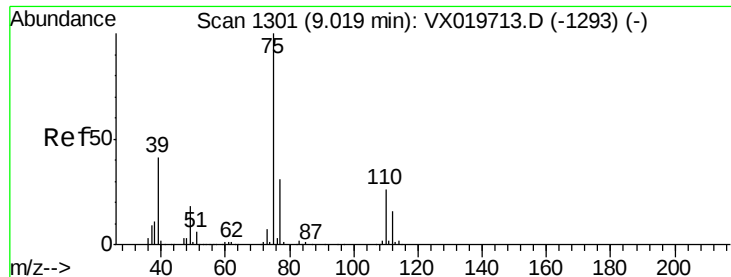
200000

100000

0

Time-->





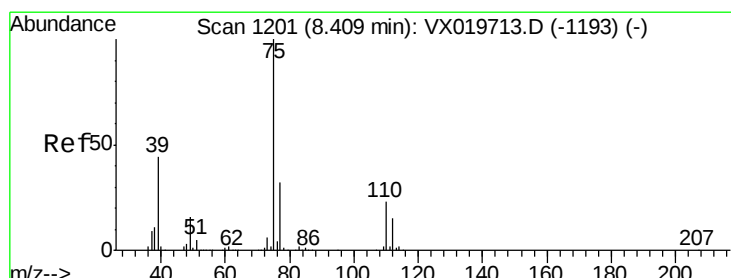
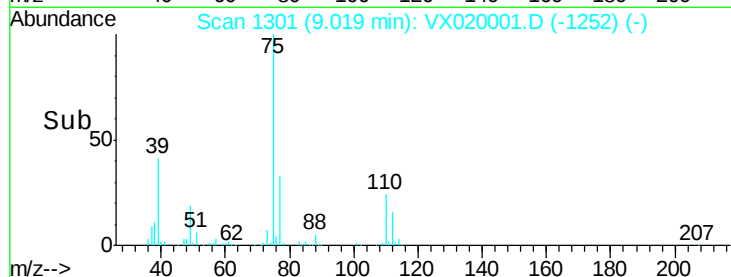
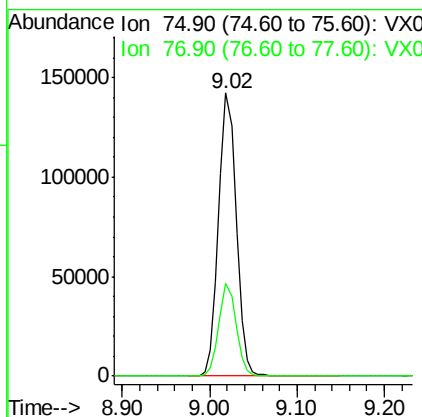
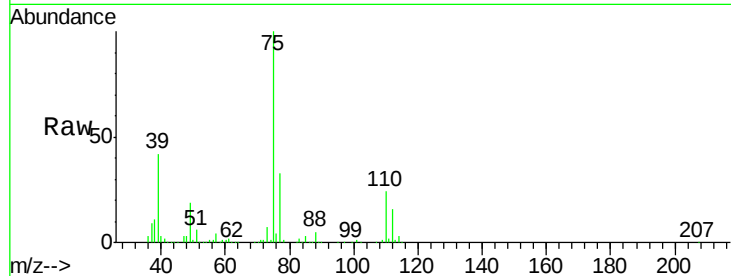
#53
t-1,3-Dichloropropene
Concen: 47.577 ug/l
RT: 9.02 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VX020001.D
Acq: 14 Dec 2020 20:54

Instrument :
MSVOA_X
ClientSampleId :
TU032-32-5229-121020MSD

Tot Ion: 75 Resp: 200124
Ion Ratio Lower Upper
75 100
77 32.9 24.9 37.3

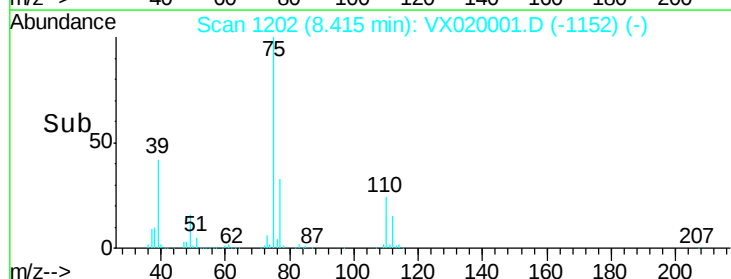
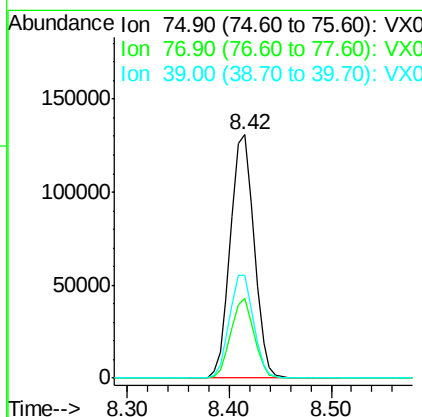
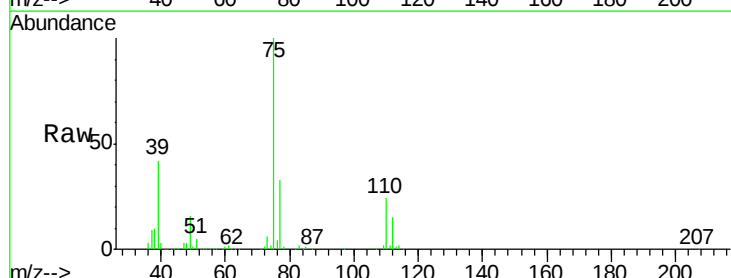
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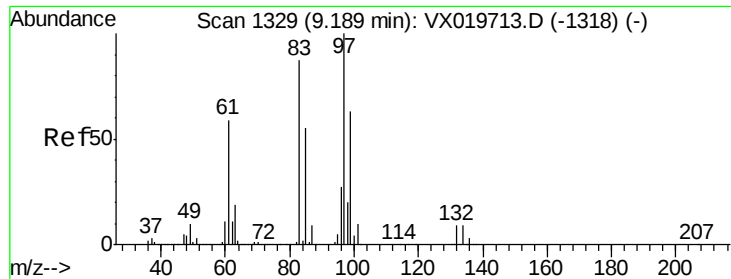
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 46.085 ug/l
RT: 8.42 min Scan# 1202
Delta R.T. 0.01 min
Lab File: VX020001.D
Acq: 14 Dec 2020 20:54

Tgt Ion: 75 Resp: 210596
Ion Ratio Lower Upper
75 100
77 32.7 25.7 38.5
39 42.1 35.1 52.7





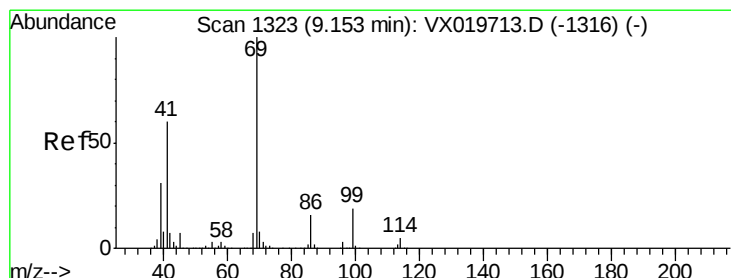
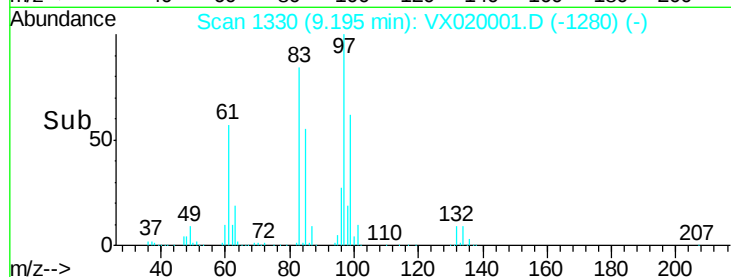
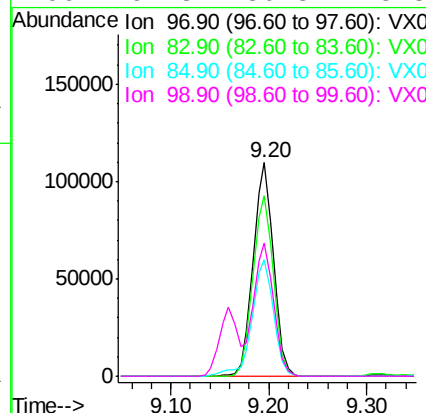
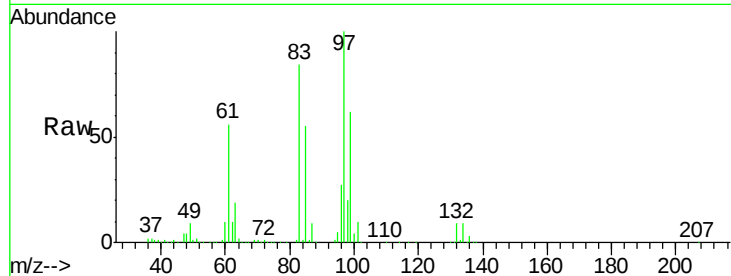
#55
 1,1,2-Trichloroethane
 Concen: 55.405 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. 0.01 min
 Lab File: VX020001.D
 Acq: 14 Dec 2020 20:54

Instrument :
 MSVOA_X
 ClientSampleId :
 TU032-32-5229-121020MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		158050		
83	84.4	69.3	103.9		
85	54.8	44.3	66.5		
99	62.3	50.3	75.5		

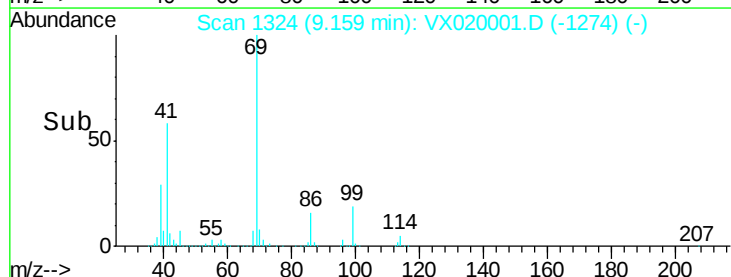
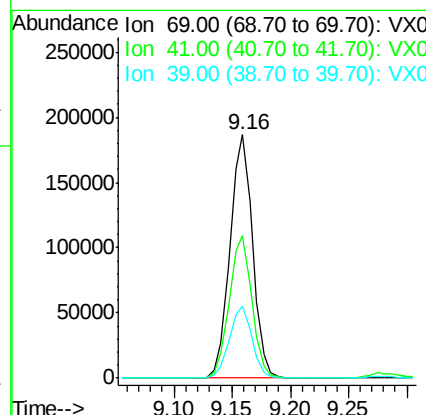
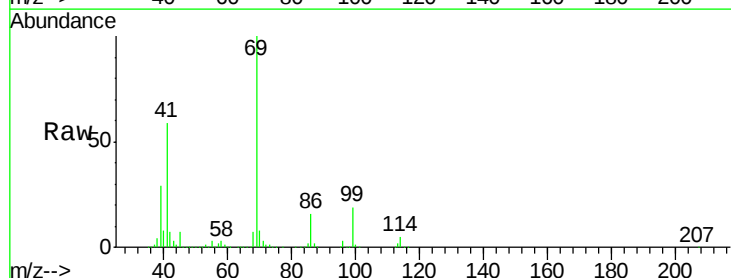
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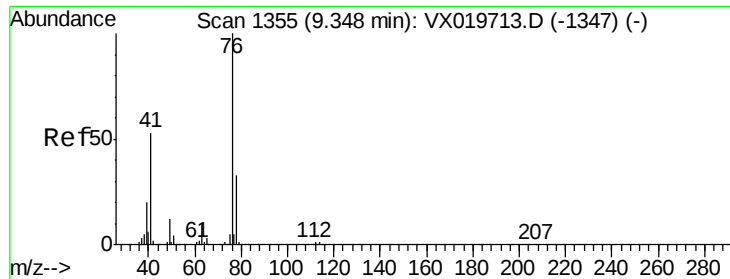
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#56
 Ethyl methacrylate
 Concen: 57.851 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. 0.01 min
 Lab File: VX020001.D
 Acq: 14 Dec 2020 20:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		249678		
41	58.4	46.8	70.2		
39	29.6	24.7	37.1		





#57

1,3-Dichloropropane

Concen: 54.599 ug/l

RT: 9.35 min Scan# 1355

Delta R.T. 0.00 min

Lab File: VX020001.D

Acq: 14 Dec 2020 20:54

Instrument :

MSVOA_X

ClientSampleId :

TU032-32-5229-121020MSD

Tot Ion: 76 Resp: 265943

Ion Ratio Lower Upper

76 100

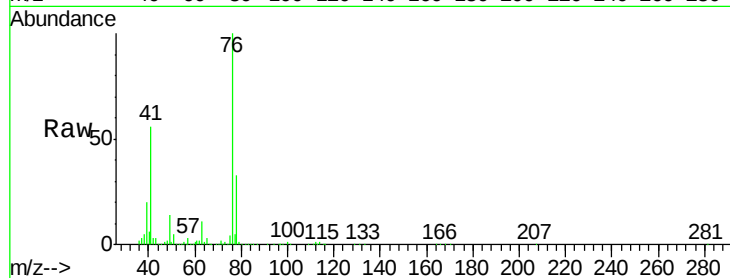
78 32.2 26.2 39.2

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.35

200000

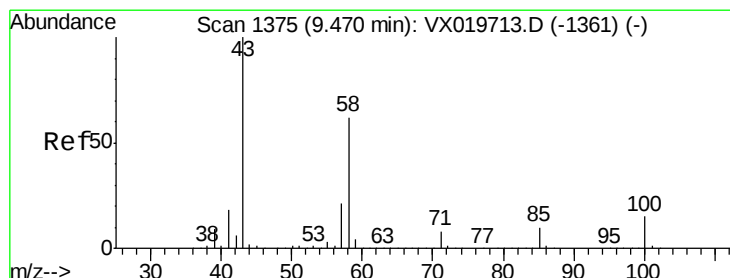
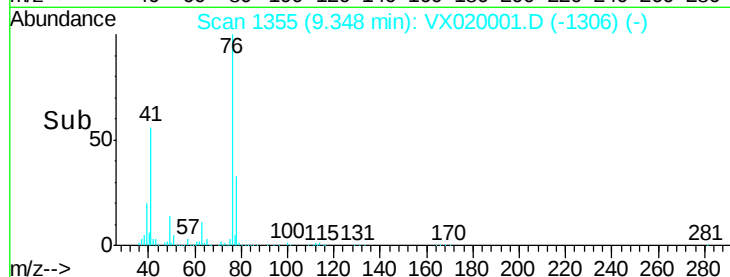
150000

100000

50000

0

Time-->



#59

2-Hexanone

Concen: 332.163 ug/l

RT: 9.47 min Scan# 1375

Delta R.T. 0.00 min

Lab File: VX020001.D

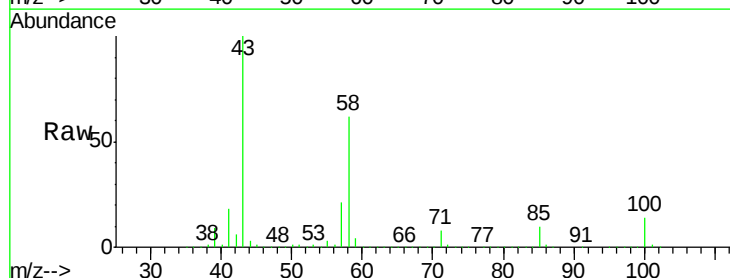
Acq: 14 Dec 2020 20:54

Tgt Ion: 43 Resp: 956041

Ion Ratio Lower Upper

43 100

58 61.5 30.9 92.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

9.47

800000

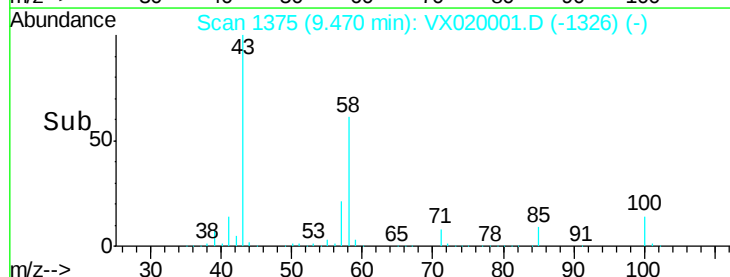
600000

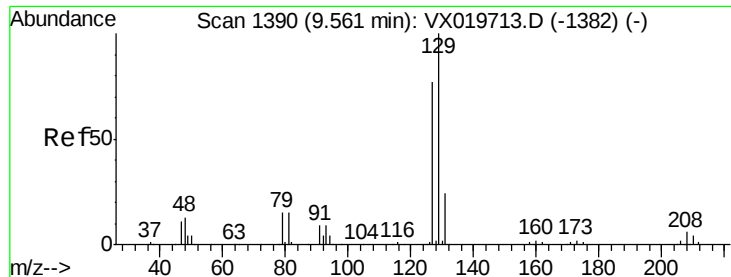
400000

200000

0

Time-->





#60

Dibromochloromethane

Concen: 56.055 ug/l

RT: 9.56 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VX020001.D

Acq: 14 Dec 2020 20:54

Instrument :

MSVOA_X

ClientSampleId :

TU032-32-5229-121020MSD

Tot Ion:129 Resp: 162458

Ion Ratio Lower Upper

129 100

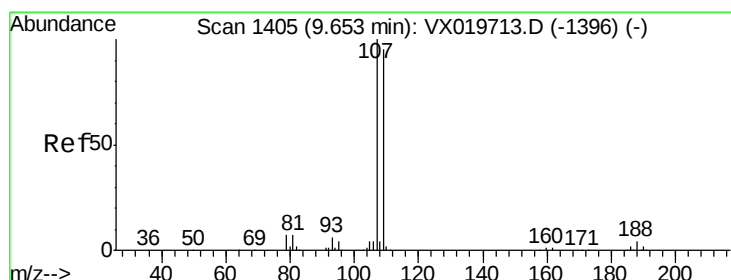
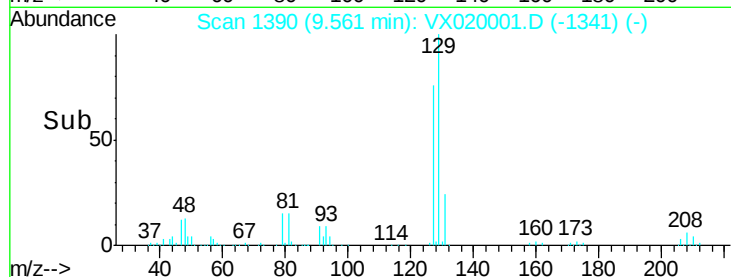
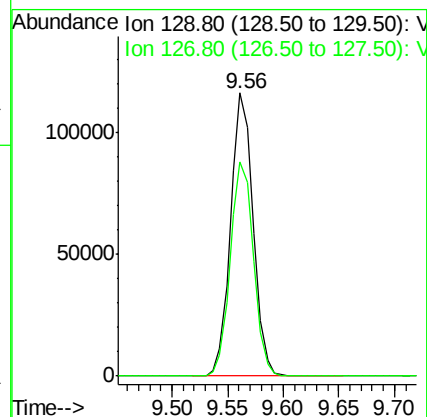
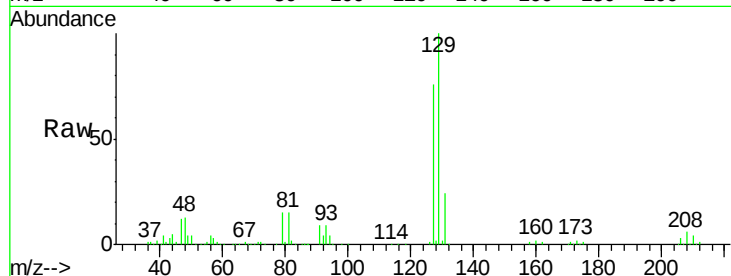
127 78.3 38.4 115.2

Manual Integrations

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#61

1,2-Dibromoethane

Concen: 54.623 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. 0.00 min

Lab File: VX020001.D

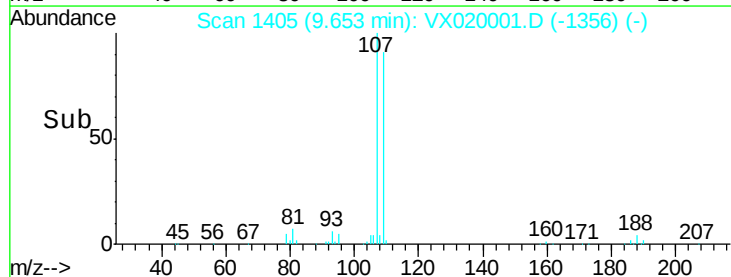
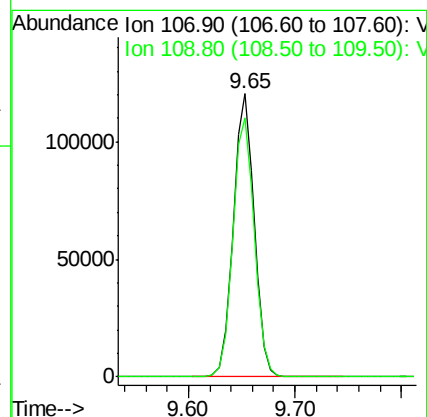
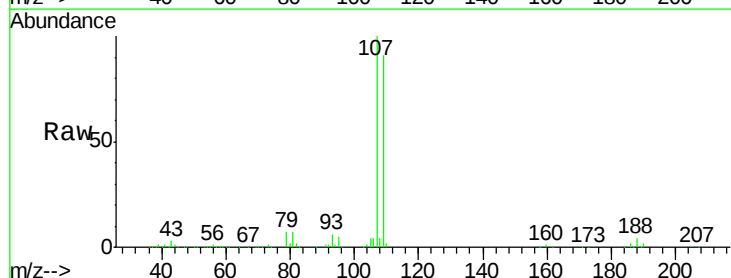
Acq: 14 Dec 2020 20:54

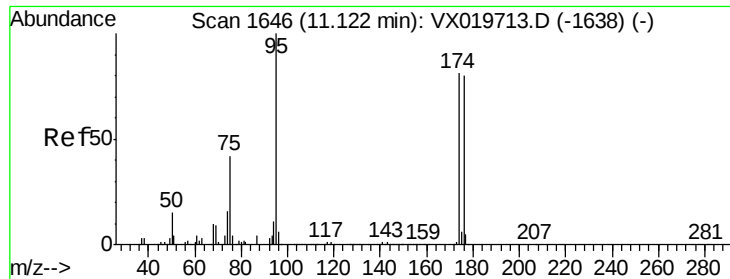
Tgt Ion:107 Resp: 165458

Ion Ratio Lower Upper

107 100

109 94.1 75.8 113.6





#62

4-Bromofluorobenzene

Concen: 47.048 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX020001.D

Acq: 14 Dec 2020 20:54

Instrument :

MSVOA_X

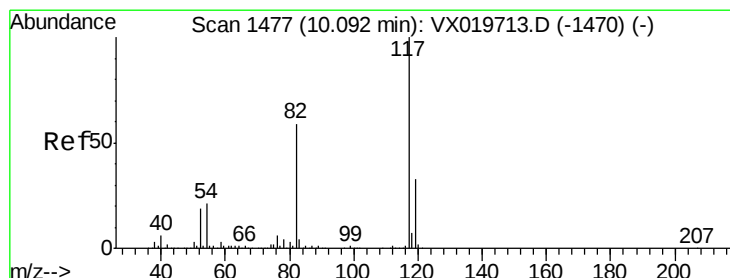
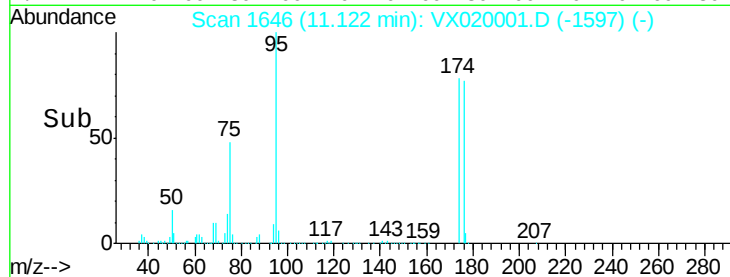
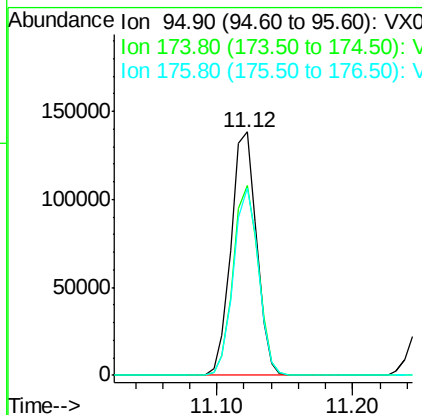
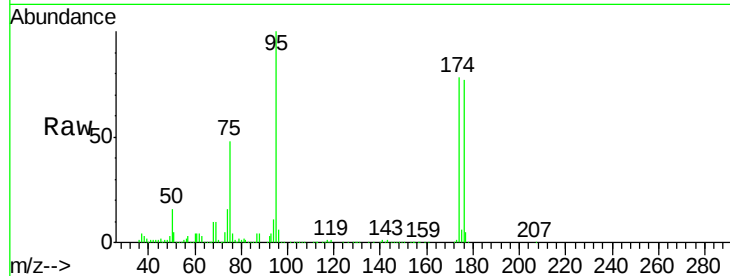
ClientSampleId :

TU032-32-5229-121020MSD

Tot Ion:	95	Resp:	181160
Ion Ratio	Lower	Upper	
95	100		
174	77.4	0.0	154.6
176	75.2	0.0	155.8

Manual Integrations
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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

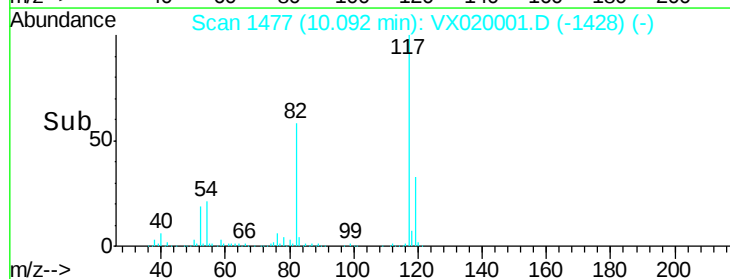
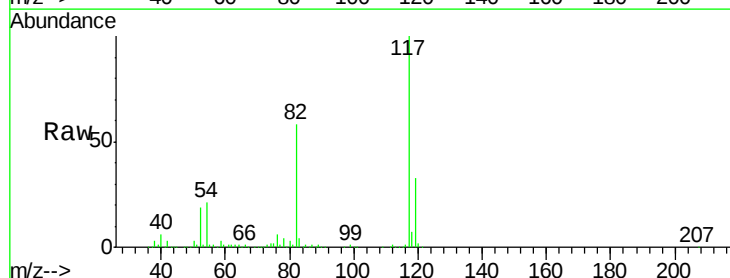
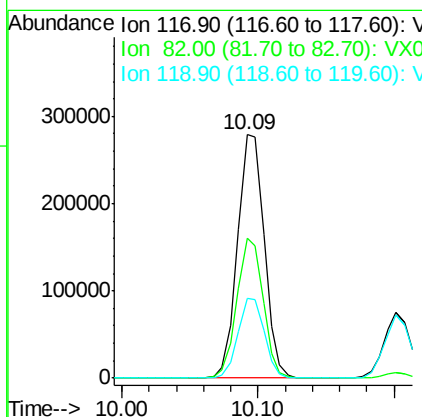
RT: 10.09 min Scan# 1477

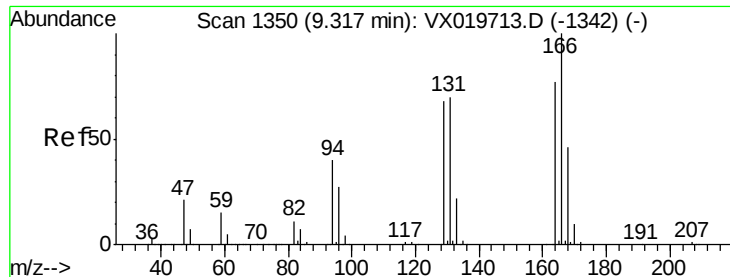
Delta R.T. 0.00 min

Lab File: VX020001.D

Acq: 14 Dec 2020 20:54

Tgt Ion:	117	Resp:	382922
Ion Ratio	Lower	Upper	
117	100		
82	57.6	47.4	71.2
119	32.6	26.6	39.8





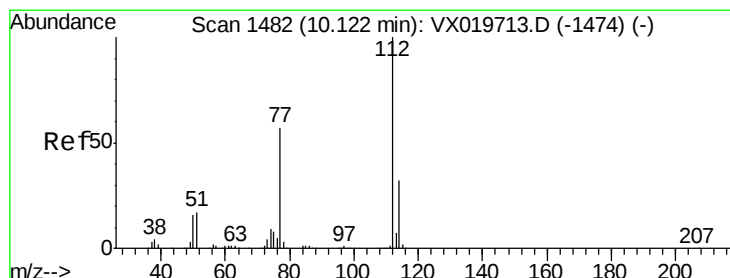
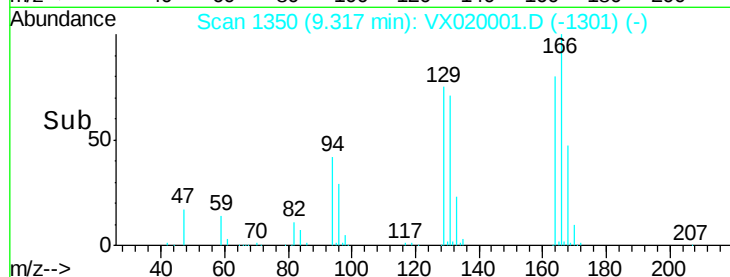
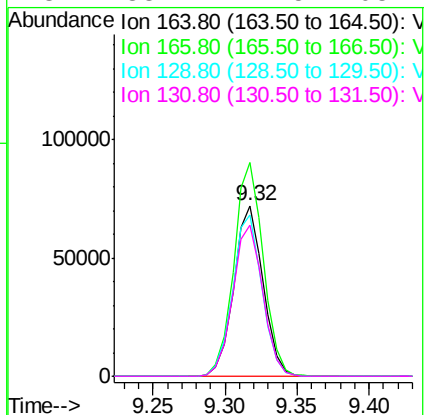
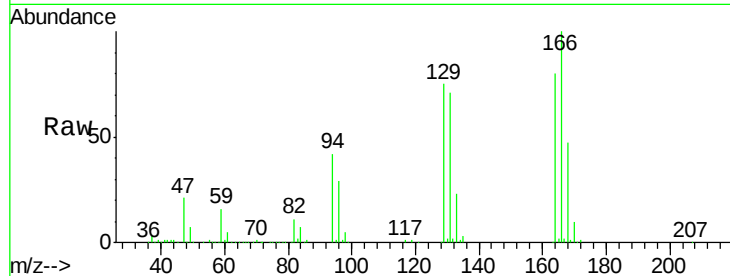
#64
Tetrachloroethene
Concen: 39.738 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VX020001.D
Acq: 14 Dec 2020 20:54

Instrument :
MSVOA_X
ClientSampleId :
TU032-32-5229-121020MSD

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
166	125.1	103.4	103.4	155.2
129	94.4	70.8	70.8	106.2
131	88.2	72.5	72.5	108.7

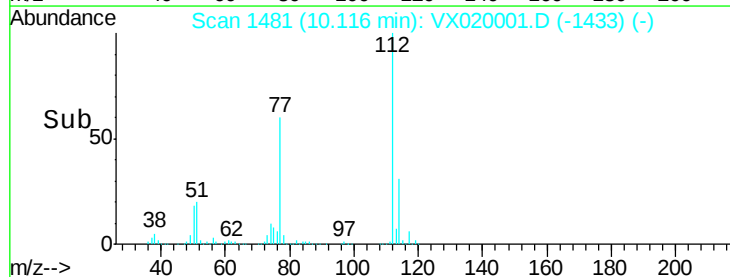
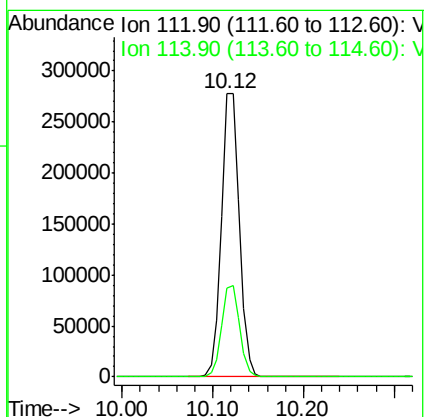
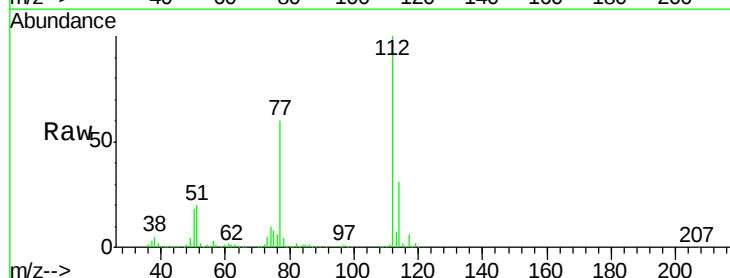
Manual Integrations
APPROVED

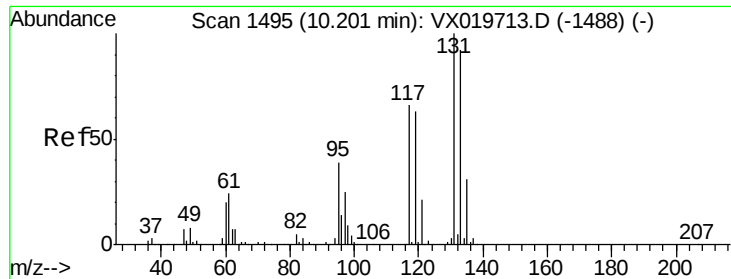
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#65
Chlorobenzene
Concen: 50.243 ug/l
RT: 10.12 min Scan# 1481
Delta R.T. -0.01 min
Lab File: VX020001.D
Acq: 14 Dec 2020 20:54

Tgt Ion	Ratio	Resp	Lower	Upper
112	100			
114	31.5	25.8	25.8	38.6





#66

1,1,1,2-Tetrachloroethane

Concen: 53.071 ug/l

RT: 10.20 min Scan# 1495

Delta R.T. 0.00 min

Lab File: VX020001.D

Acq: 14 Dec 2020 20:54

Instrument :

MSVOA_X

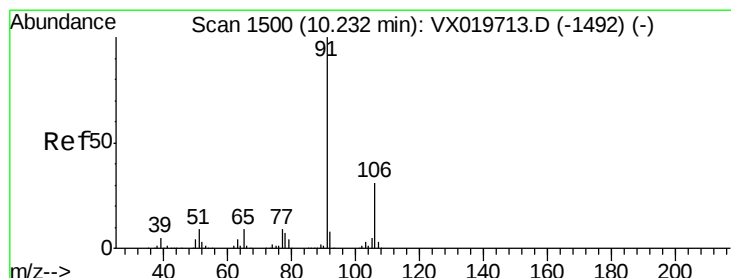
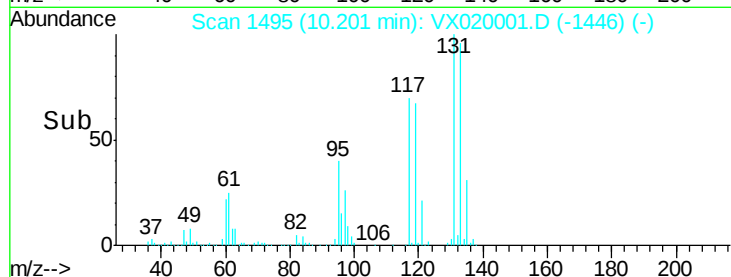
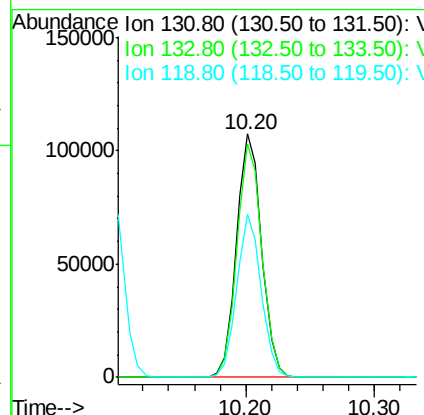
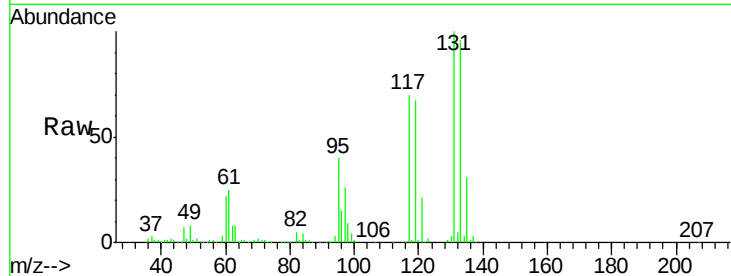
ClientSampleId :

TU032-32-5229-121020MSD

Tot Ion:	131	Resp:	145726
Ion Ratio	Lower	Upper	
131	100		
133	95.7	47.7	143.1
119	65.6	32.1	96.5

Manual Integrations
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#67

Ethyl Benzene

Concen: 48.237 ug/l

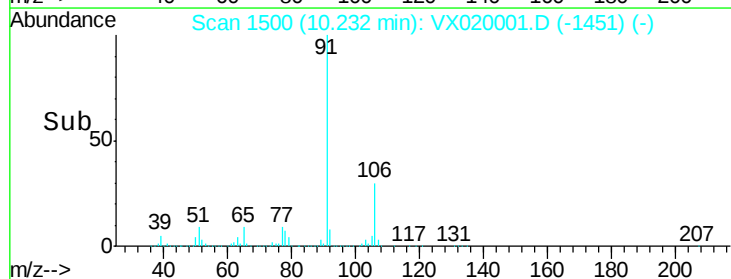
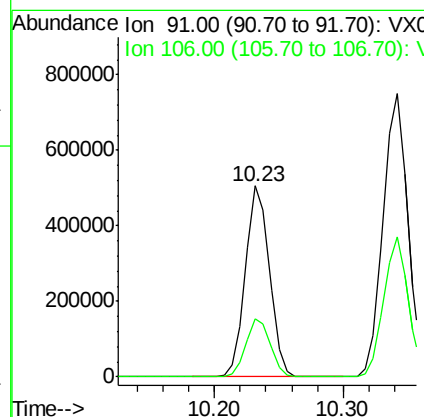
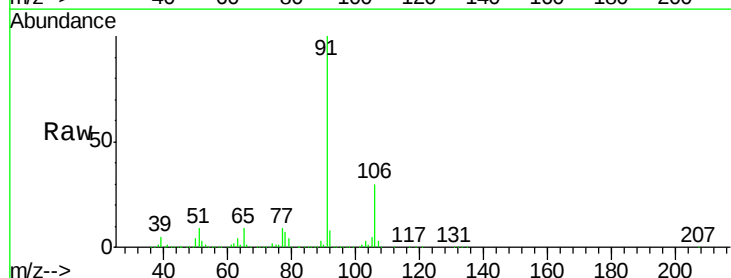
RT: 10.23 min Scan# 1500

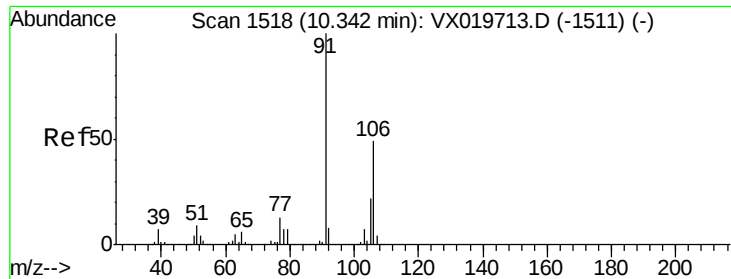
Delta R.T. 0.00 min

Lab File: VX020001.D

Acq: 14 Dec 2020 20:54

Tgt Ion:	91	Resp:	653203
Ion Ratio	Lower	Upper	
91	100		
106	30.3	24.6	37.0





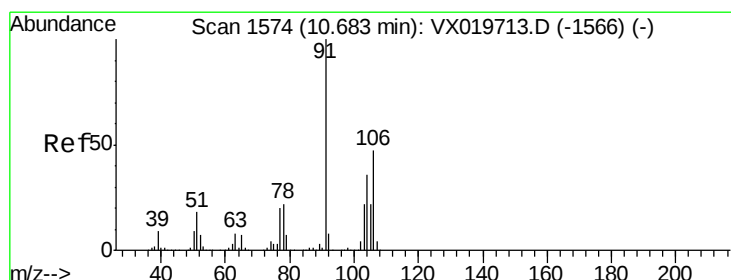
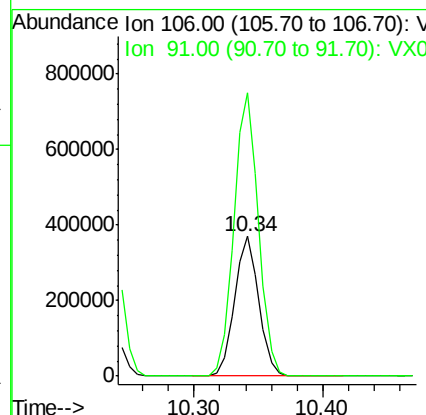
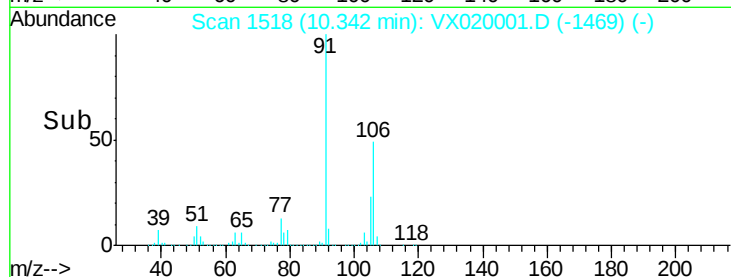
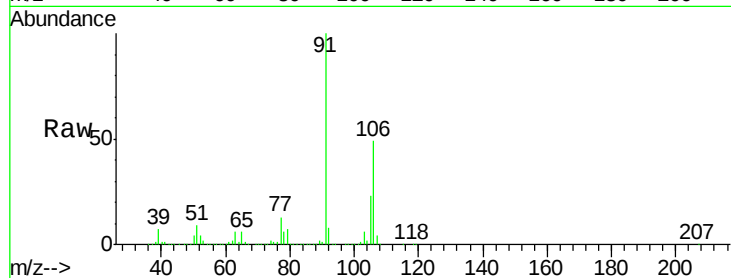
#68
m/p-Xylenes
Concen: 95.037 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VX020001.D
Acq: 14 Dec 2020 20:54

Instrument :
MSVOA_X
ClientSampleId :
TU032-32-5229-121020MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		484944		
91	205.5	162.8	244.2		

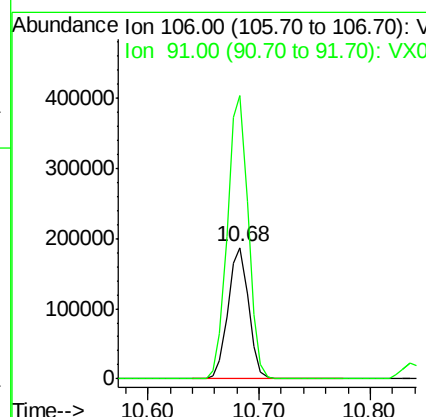
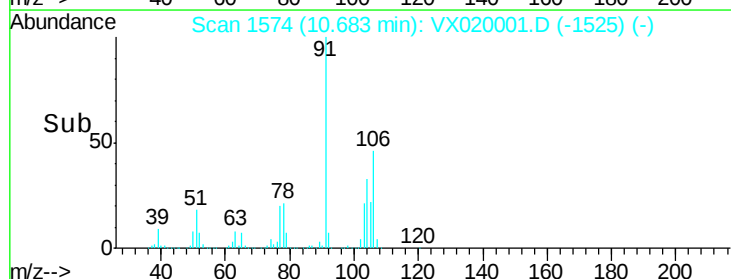
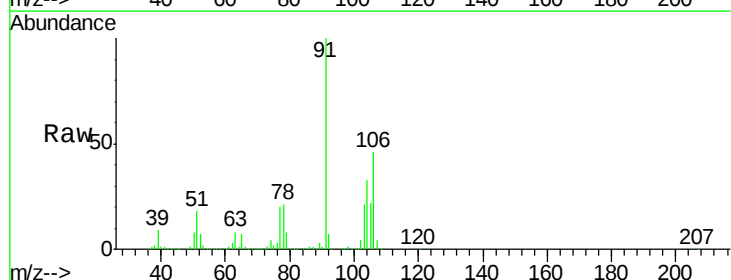
Manual Integrations
APPROVED

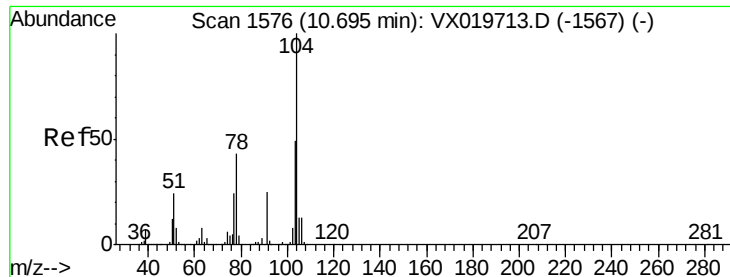
MMDadoda
12/15/2020 5:34:19 PM



#69
o-Xylene
Concen: 48.645 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX020001.D
Acq: 14 Dec 2020 20:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		238775		
91	218.6	108.1	324.2		





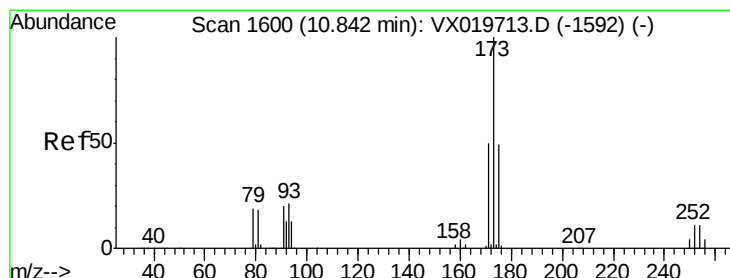
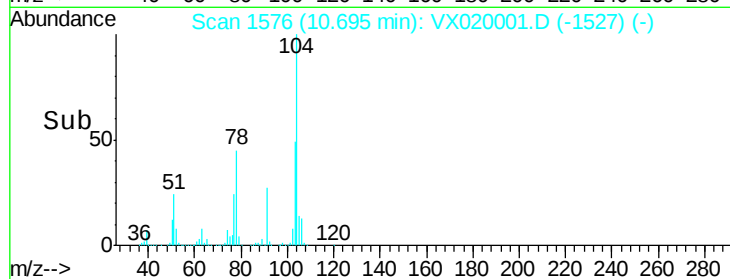
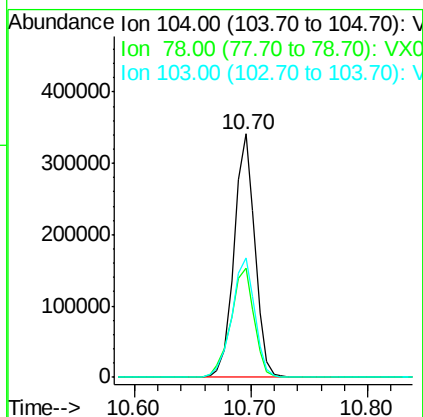
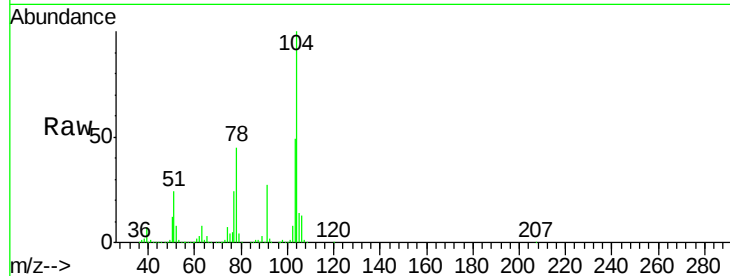
#70
Stvrene
Concen: 51.248 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX020001.D
Acq: 14 Dec 2020 20:54

Instrument :
MSVOA_X
ClientSampleId :
TU032-32-5229-121020MSD

Tot Ion	Ratio	Lower	Upper
104	100		
78	50.4	40.0	60.0
103	54.1	43.4	65.0

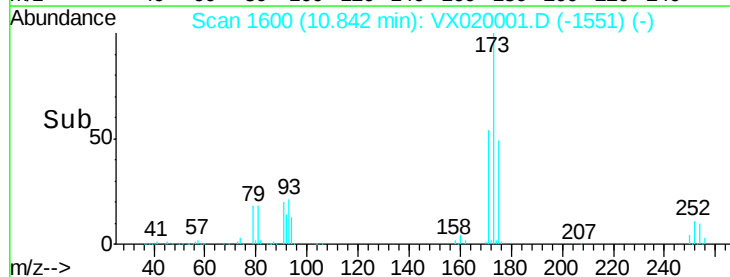
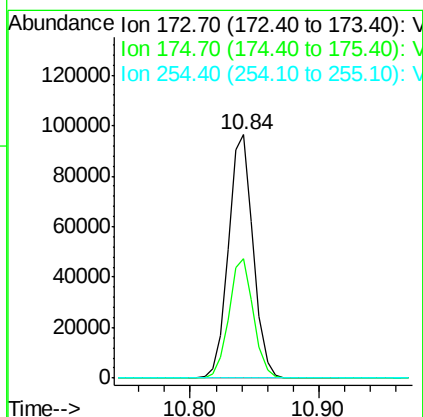
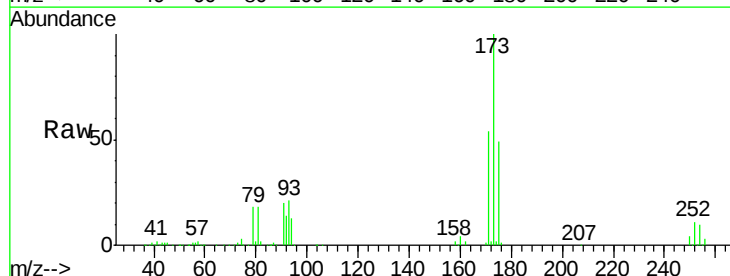
Manual Integrations
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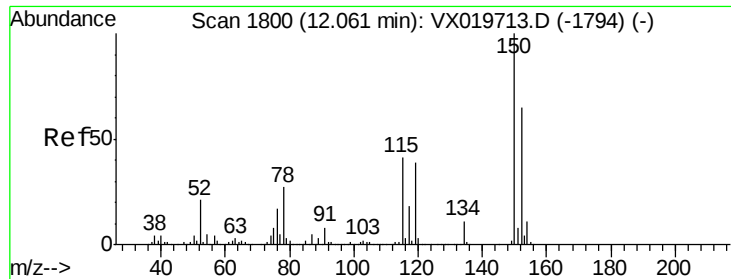
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#71
Bromoform
Concen: 59.966 ug/l
RT: 10.84 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VX020001.D
Acq: 14 Dec 2020 20:54

Tgt 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: VX020001.D

Acq: 14 Dec 2020 20:54

Instrument :

MSVOA_X

ClientSampleId :

TU032-32-5229-121020MSD

Tot Ion:152 Resp: 173388

Ion Ratio Lower Upper

152 100

115 74.3 41.1 123.3

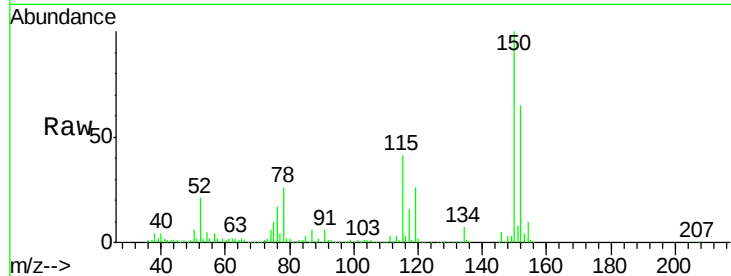
150 170.0 0.0 349.0

Manual Integrations

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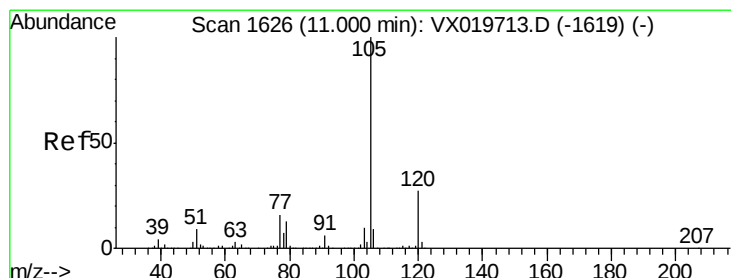
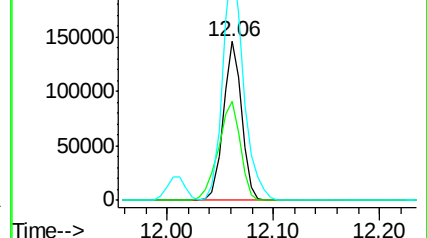
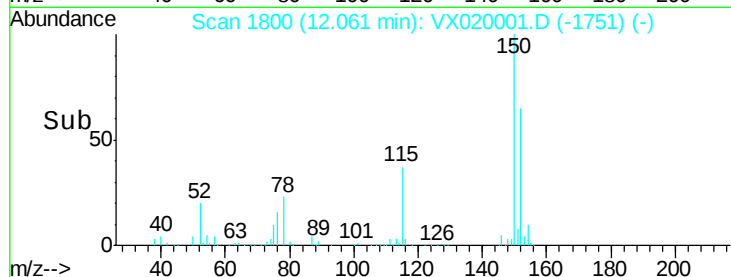
12/15/2020 5:34:19 PM



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 47.680 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX020001.D

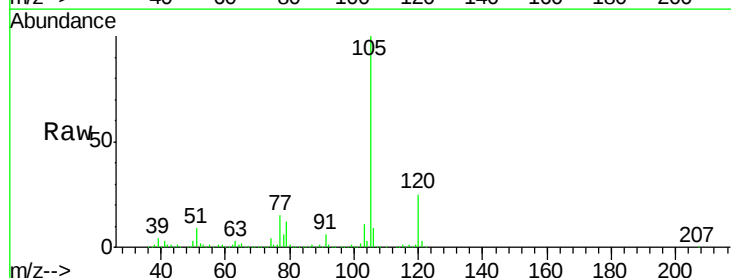
Acq: 14 Dec 2020 20:54

Tgt Ion:105 Resp: 564804

Ion Ratio Lower Upper

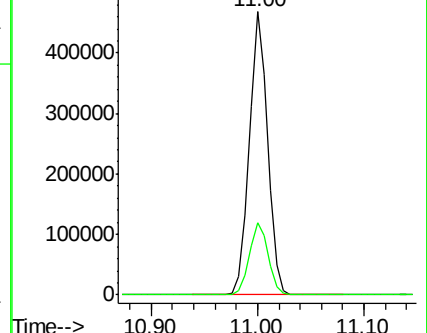
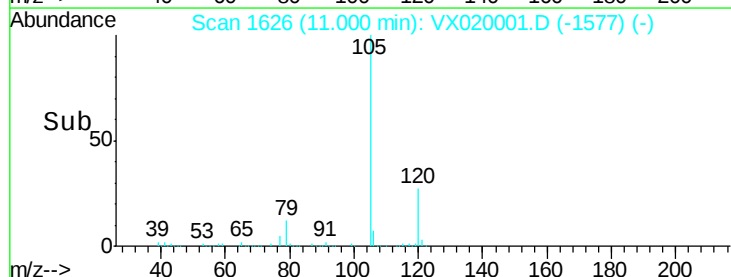
105 100

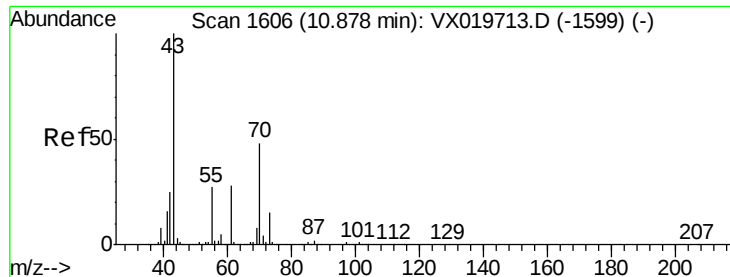
120 26.1 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





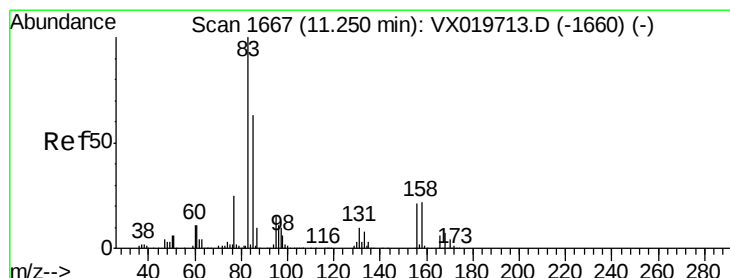
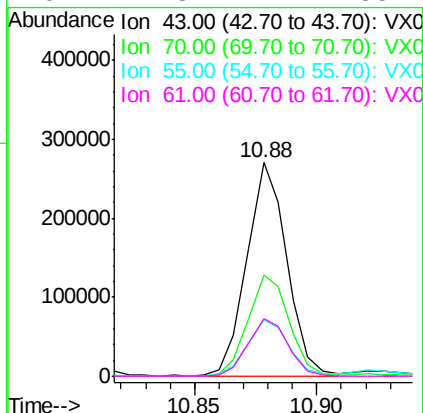
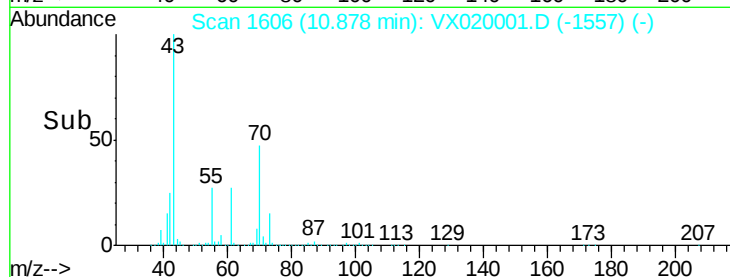
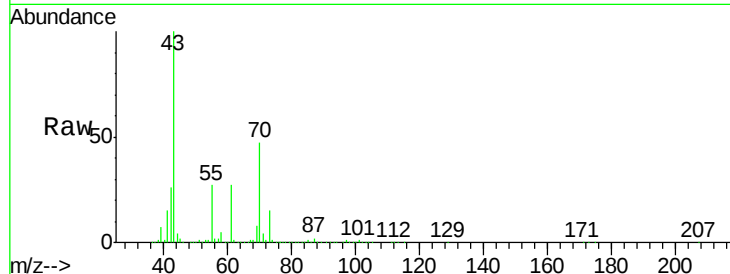
#74
N-amvl acetate
Concen: 64.645 ug/l
RT: 10.88 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VX020001.D
Acq: 14 Dec 2020 20:54

Instrument :
MSVOA_X
ClientSampleId :
TU032-32-5229-121020MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		306877		
70	49.5	39.0	58.6		
55	27.0	21.5	32.3		
61	27.3	22.1	33.1		

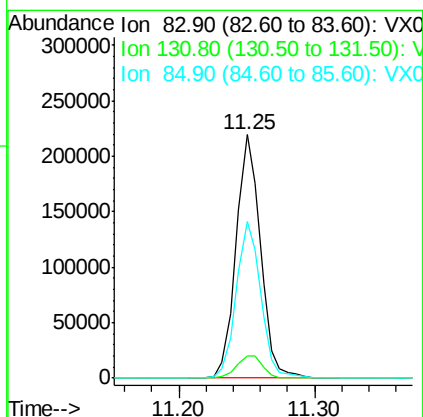
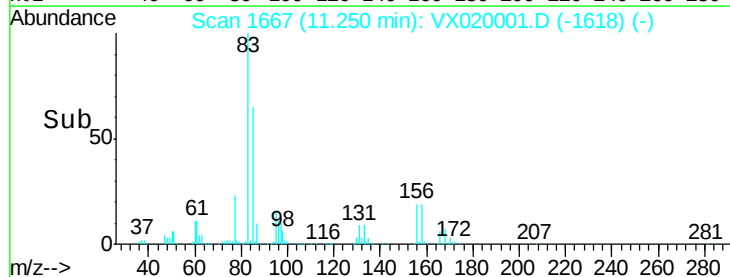
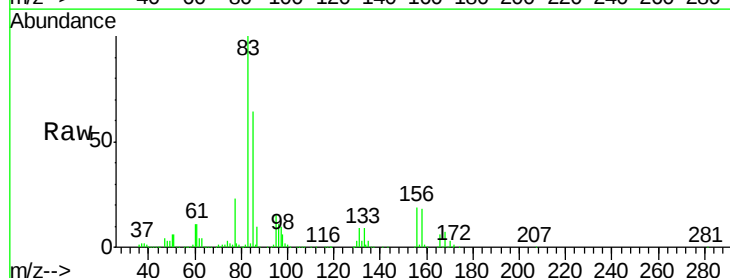
Manual Integrations
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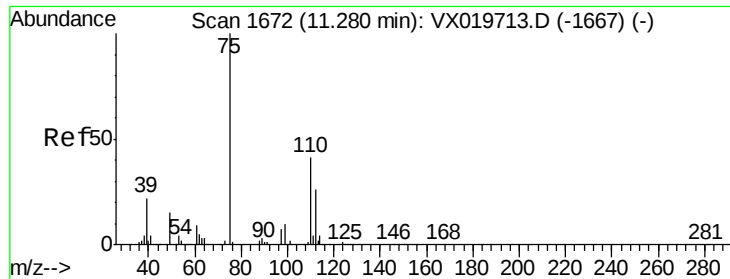
MMDadoda
12/15/2020 5:34:19 PM



#75
1,1,2,2-Tetrachloroethane
Concen: 65.836 ug/l
RT: 11.25 min Scan# 1667
Delta R.T. 0.00 min
Lab File: VX020001.D
Acq: 14 Dec 2020 20:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		274954		
131	9.8	5.1	15.2		
85	64.5	31.8	95.4		





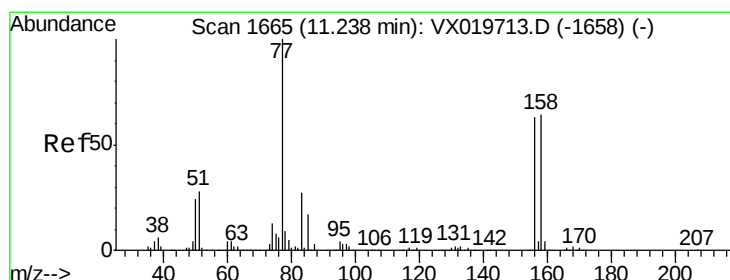
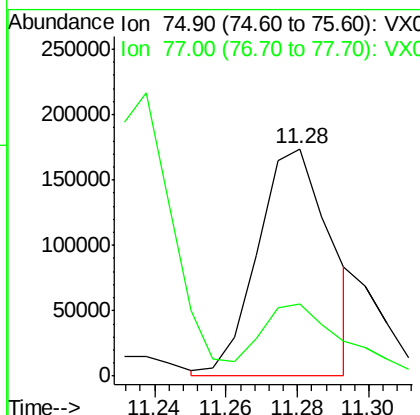
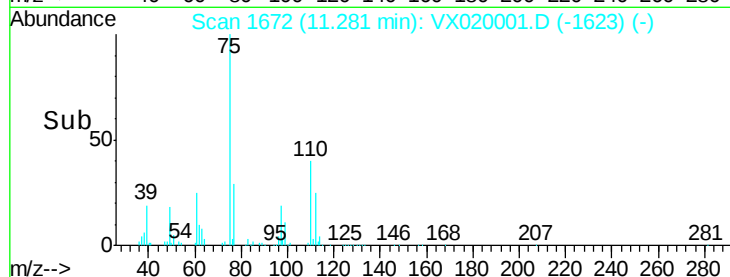
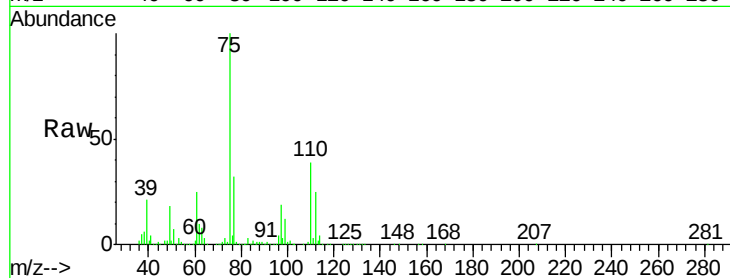
#76
 1,2,3-Trichloropropane
 Concen: 63.249 ug/l m
 RT: 11.28 min Scan# 1672
 Delta R.T. 0.00 min
 Lab File: VX020001.D
 Acq: 14 Dec 2020 20:54

Instrument :
 MSVOA_X
 ClientSampleId :
 TU032-32-5229-121020MSD

Tot Ion: 75 Resp: 245964
 Ion Ratio Lower Upper
 75 100
 77 36.3 19.1 57.5

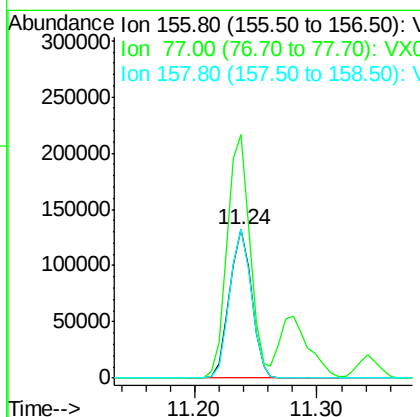
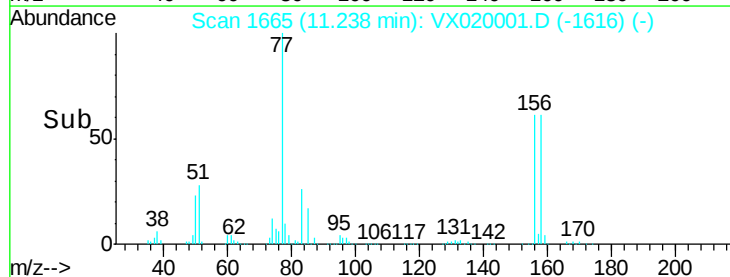
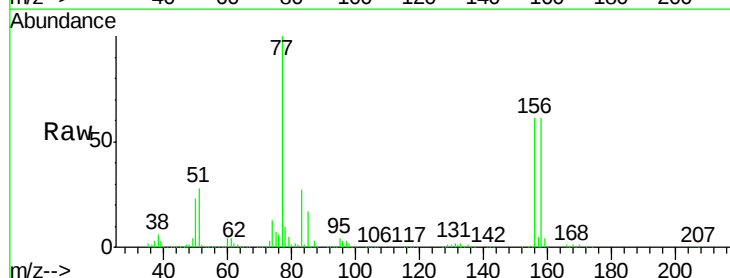
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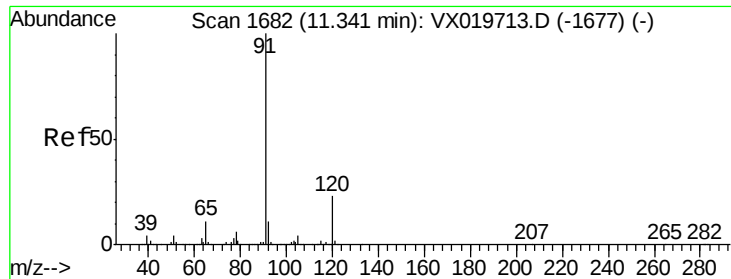
MMDadoda
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#77
 Bromobenzene
 Concen: 54.302 ug/l
 RT: 11.24 min Scan# 1665
 Delta R.T. 0.00 min
 Lab File: VX020001.D
 Acq: 14 Dec 2020 20:54

Tgt Ion: 156 Resp: 164615
 Ion Ratio Lower Upper
 156 100
 77 169.5 82.8 248.6
 158 98.6 49.1 147.4





#78

n-propylbenzene

Concen: 44.781 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. 0.00 min

Lab File: VX020001.D

Acq: 14 Dec 2020 20:54

Instrument :

MSVOA_X

ClientSampleId :

TU032-32-5229-121020MSD

Tot Ion: 91 Resp: 605878

Ion Ratio Lower Upper

91 100

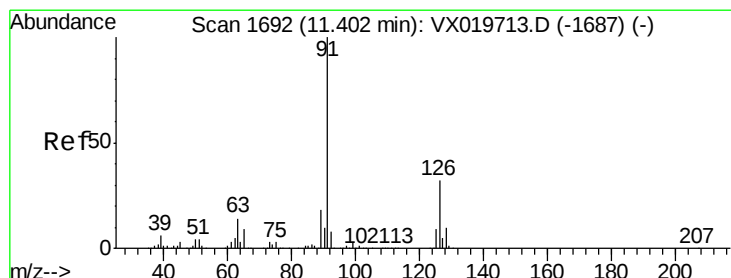
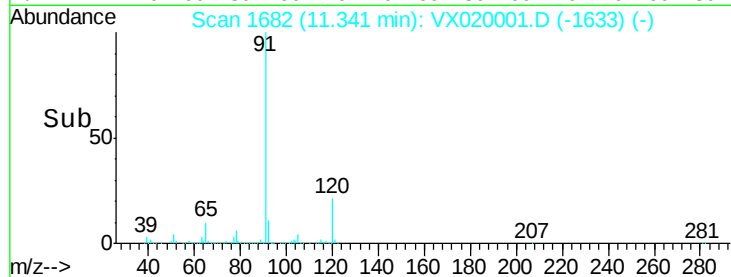
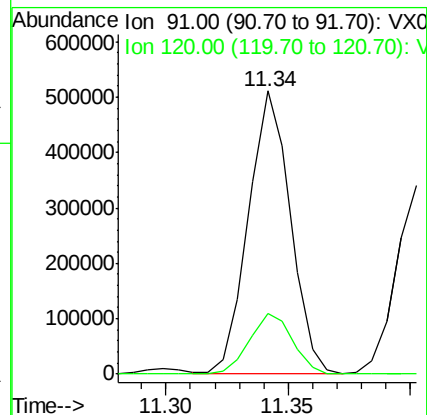
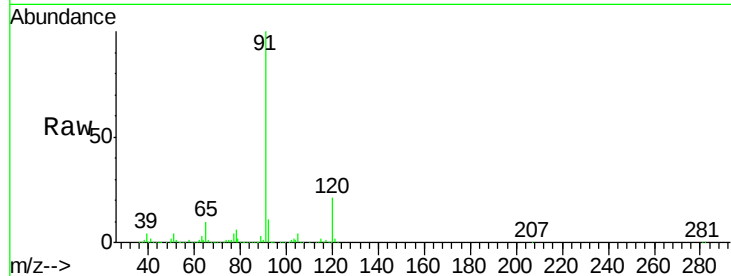
120 22.0 11.5 34.5

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#79

2-Chlorotoluene

Concen: 50.232 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VX020001.D

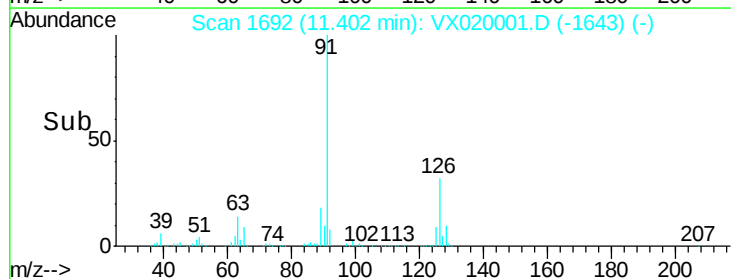
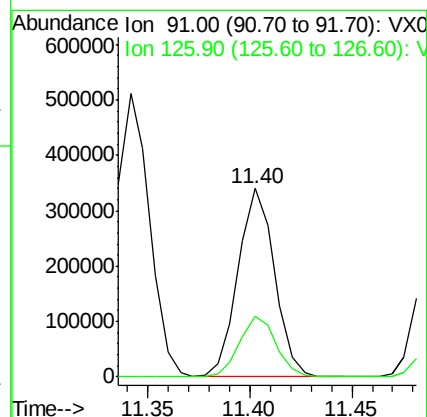
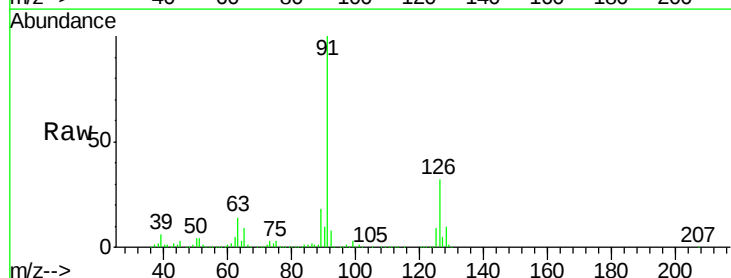
Acq: 14 Dec 2020 20:54

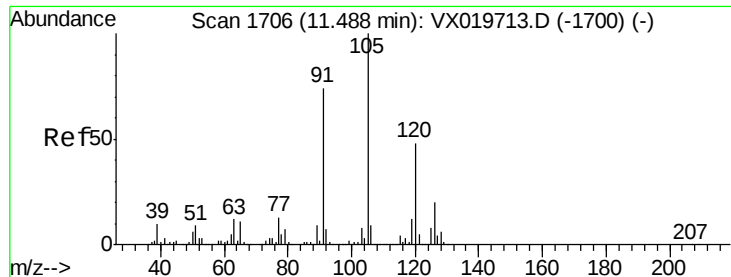
Tgt Ion: 91 Resp: 418528

Ion Ratio Lower Upper

91 100

126 32.5 16.6 49.8





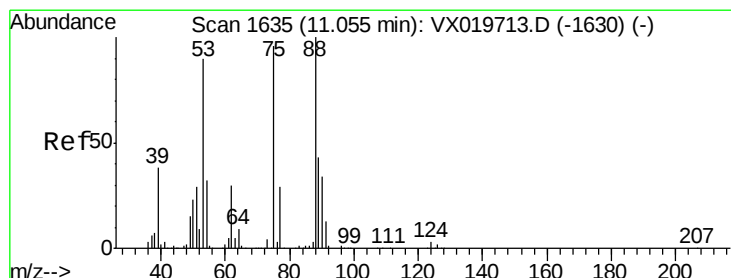
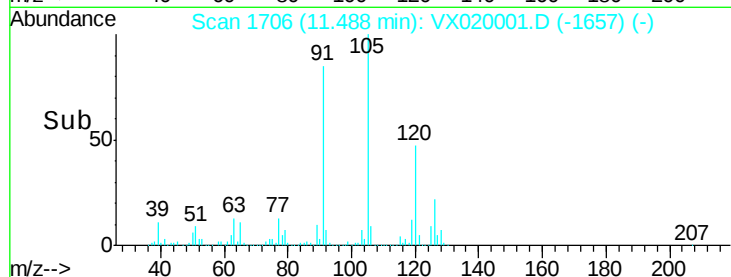
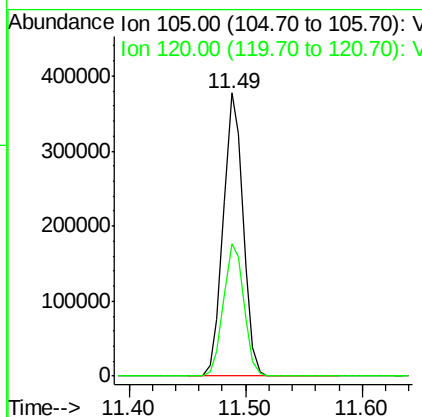
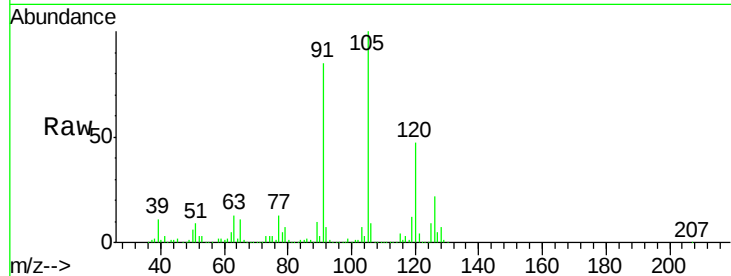
#80
 1,3,5-Trimethylbenzene
 Concen: 44.351 ug/l
 RT: 11.49 min Scan# 1706
 Delta R.T. 0.00 min
 Lab File: VX020001.D
 Acq: 14 Dec 2020 20:54

Instrument :
 MSVOA_X
 ClientSampleId :
 TU032-32-5229-121020MSD

Tot Ion:105 Resp: 443402
 Ion Ratio Lower Upper
 105 100
 120 48.1 23.8 71.5

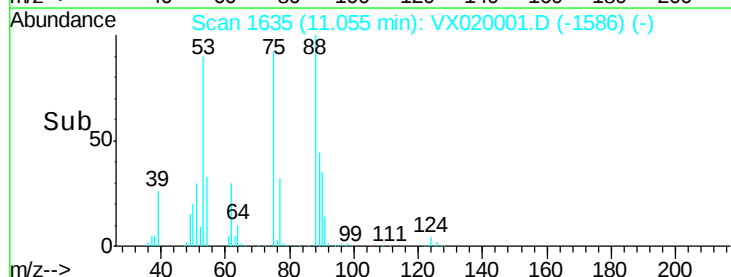
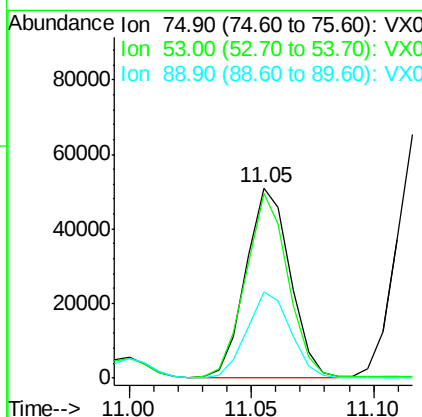
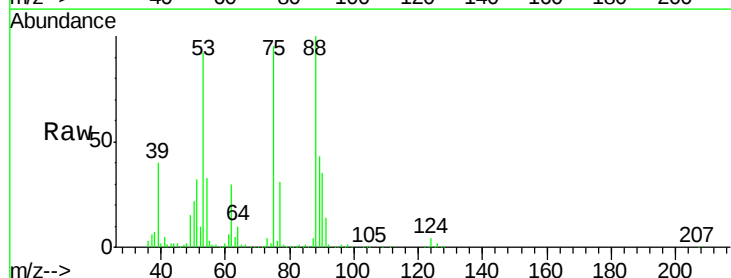
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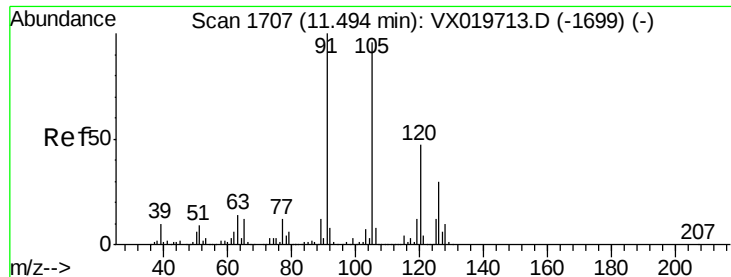
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#81
 trans-1,4-Dichloro-2-butene
 Concen: 47.363 ug/l
 RT: 11.05 min Scan# 1635
 Delta R.T. 0.00 min
 Lab File: VX020001.D
 Acq: 14 Dec 2020 20:54

Tgt Ion: 75 Resp: 63714
 Ion Ratio Lower Upper
 75 100
 53 93.2 74.5 111.7
 89 45.5 37.9 56.9





#82

4-Chlorotoluene

Concen: 50.257 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX020001.D

Acq: 14 Dec 2020 20:54

Instrument :

MSVOA_X

ClientSampleId :

TU032-32-5229-121020MSD

Tot Ion: 91 Resp: 490410

Ion Ratio Lower Upper

91 100

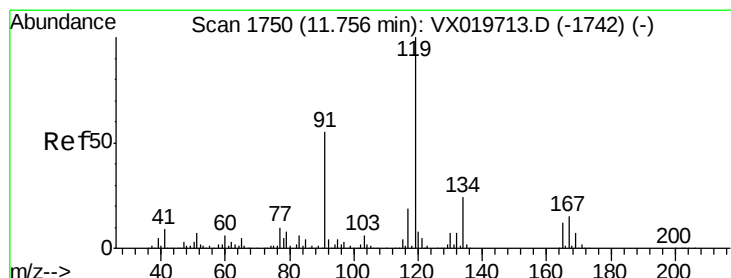
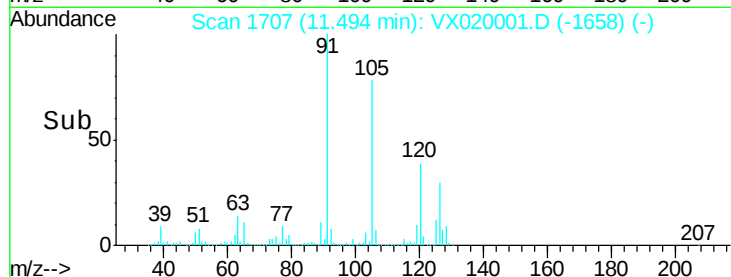
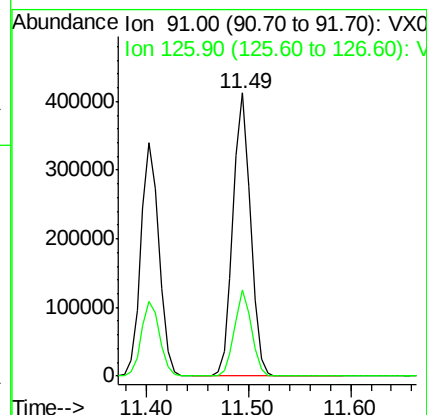
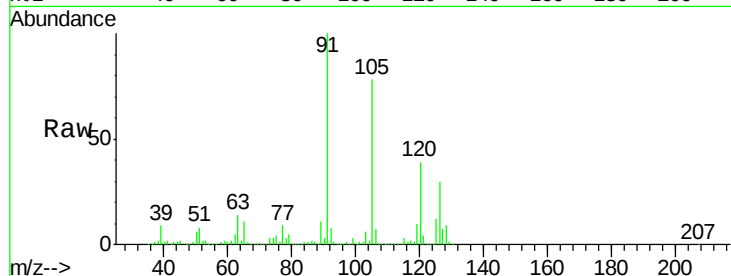
126 29.3 14.9 44.5

Manual Integrations

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#83

tert-Butylbenzene

Concen: 43.248 ug/l

RT: 11.76 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX020001.D

Acq: 14 Dec 2020 20:54

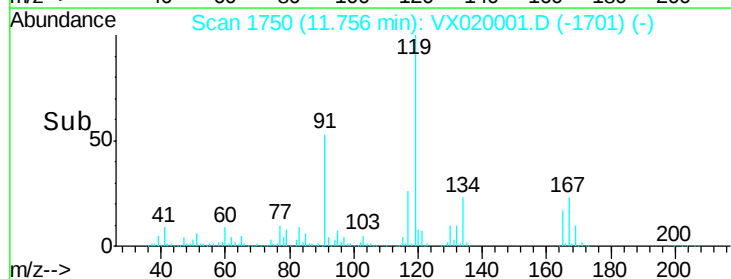
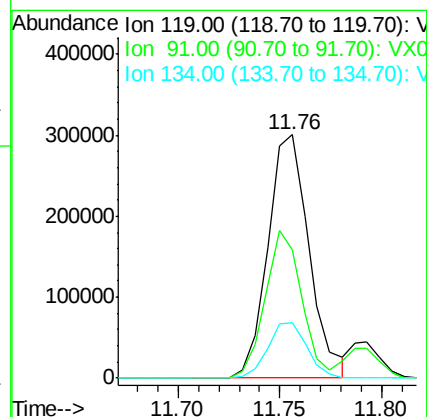
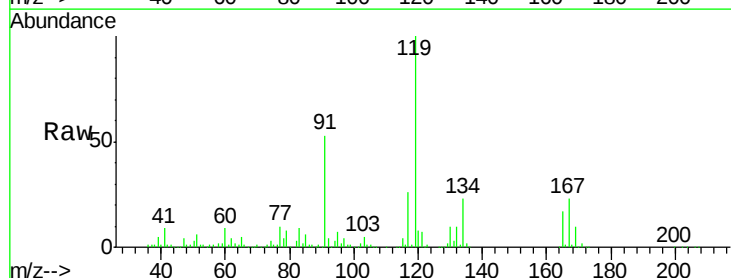
Tgt Ion: 119 Resp: 424055

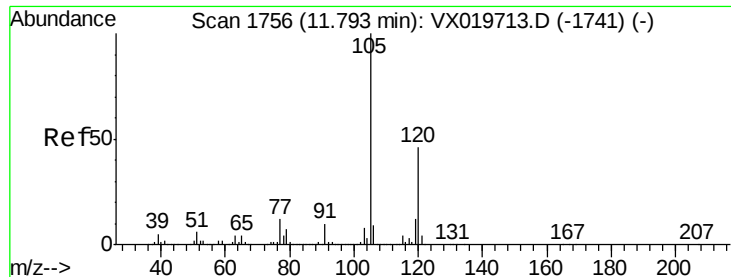
Ion Ratio Lower Upper

119 100

91 53.5 27.9 83.7

134 21.9 11.3 33.9





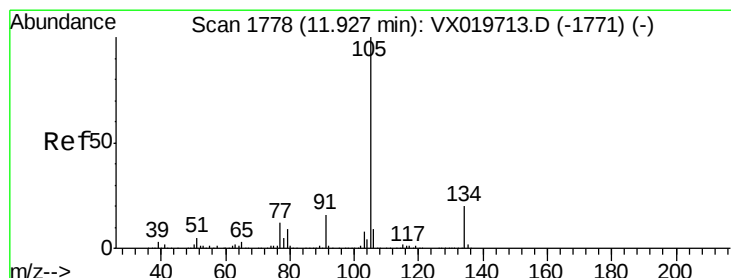
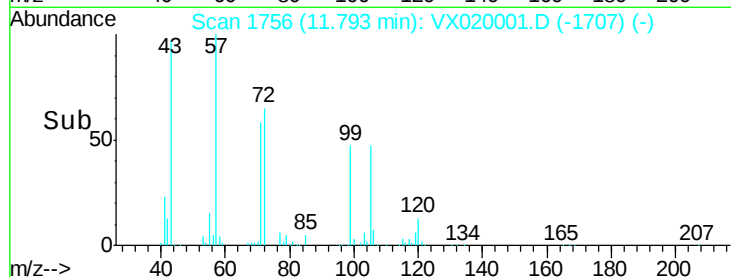
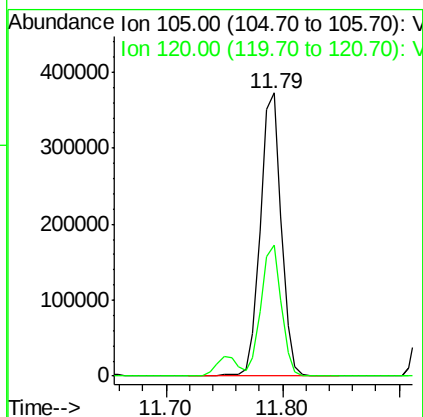
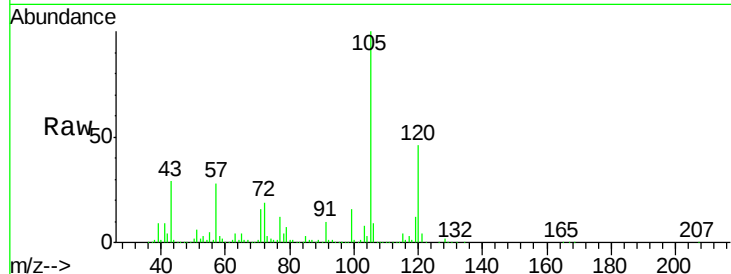
#84
 1,2,4-Trimethylbenzene
 Concen: 46.420 ug/l
 RT: 11.79 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: VX020001.D
 Acq: 14 Dec 2020 20:54

Instrument :
 MSVOA_X
 ClientSampleId :
 TU032-32-5229-121020MSD

Tot Ion:105 Resp: 467477
 Ion Ratio Lower Upper
 105 100
 120 45.1 22.4 67.3

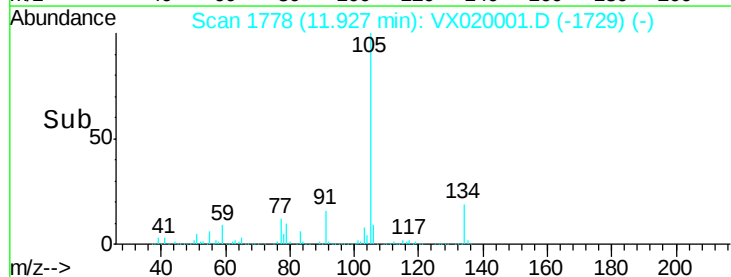
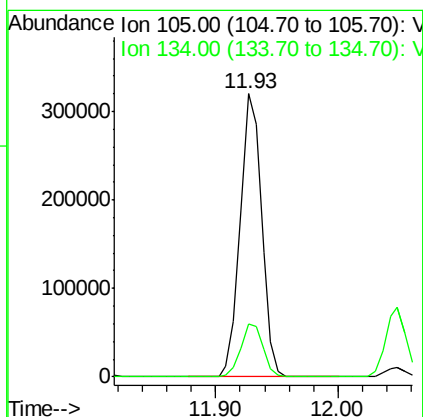
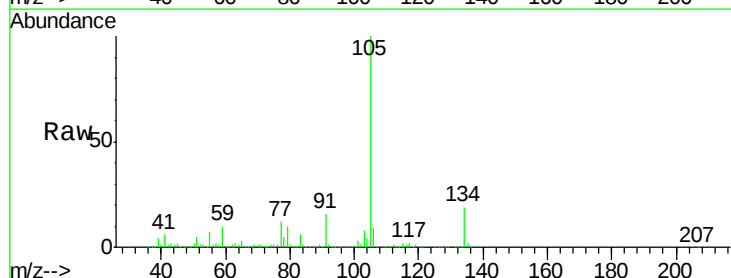
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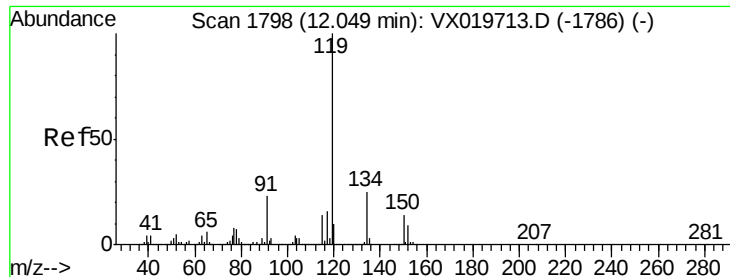
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#85
 sec-Butylbenzene
 Concen: 34.555 ug/l
 RT: 11.93 min Scan# 1778
 Delta R.T. 0.00 min
 Lab File: VX020001.D
 Acq: 14 Dec 2020 20:54

Tgt Ion:105 Resp: 386830
 Ion Ratio Lower Upper
 105 100
 134 19.4 10.0 29.8





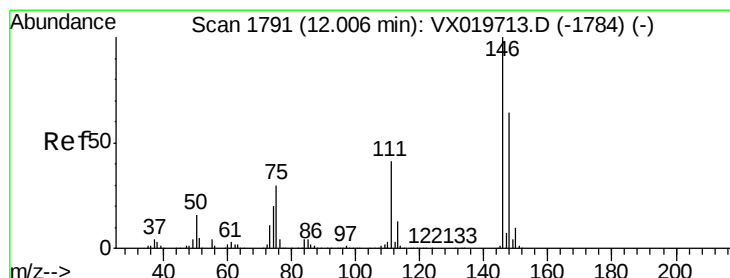
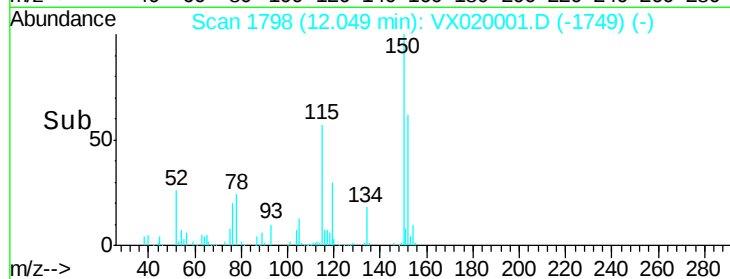
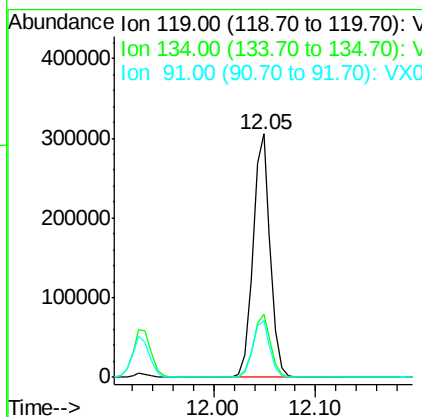
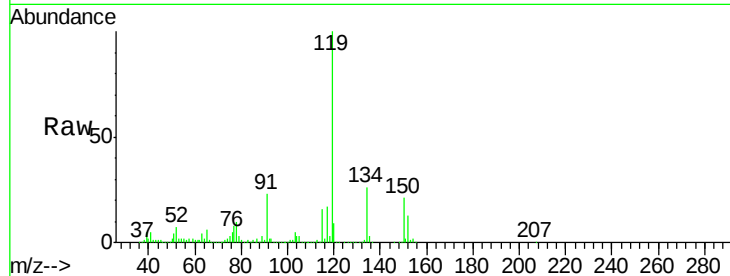
#86
 p-Isopropyltoluene
 Concen: 34.973 ug/l
 RT: 12.05 min Scan# 1798
 Delta R.T. 0.00 min
 Lab File: VX020001.D
 Acq: 14 Dec 2020 20:54

Instrument :
 MSVOA_X
 ClientSampleId :
 TU032-32-5229-121020MSD

Tot Ion	Ratio	Resp	Lower	Upper
119	100	358814		
134	25.9	12.9	38.7	
91	23.6	11.7	35.0	

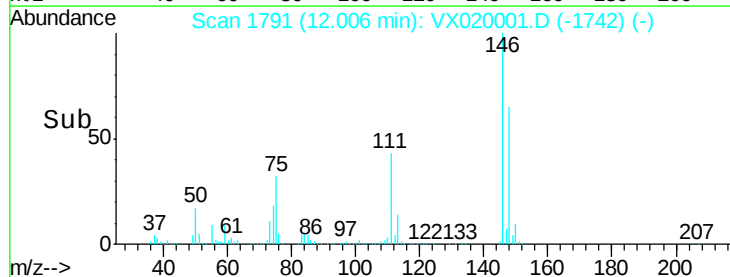
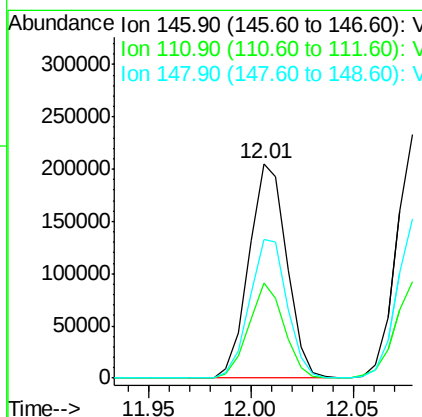
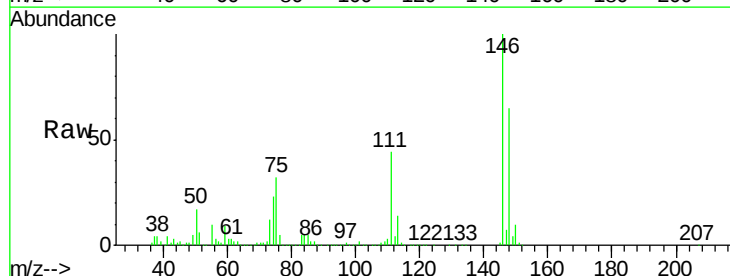
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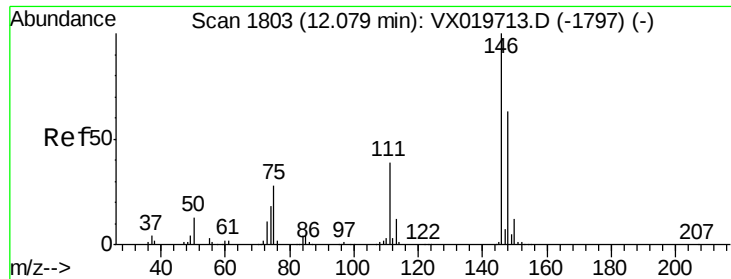
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#87
 1,3-Dichlorobenzene
 Concen: 47.411 ug/l
 RT: 12.01 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX020001.D
 Acq: 14 Dec 2020 20:54

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	263792		
111	41.7	20.2	60.5	
148	64.9	31.9	95.7	





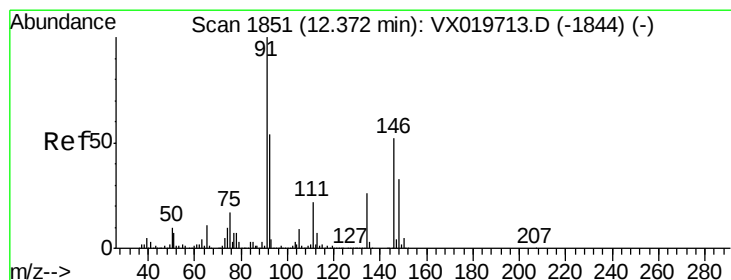
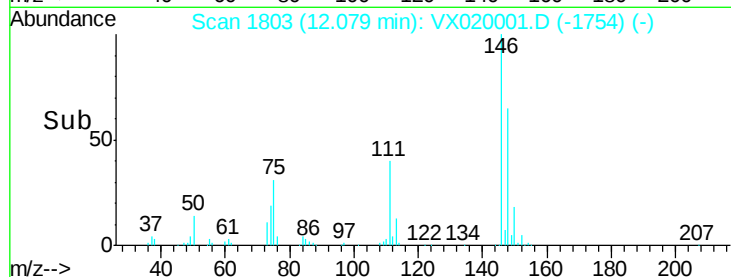
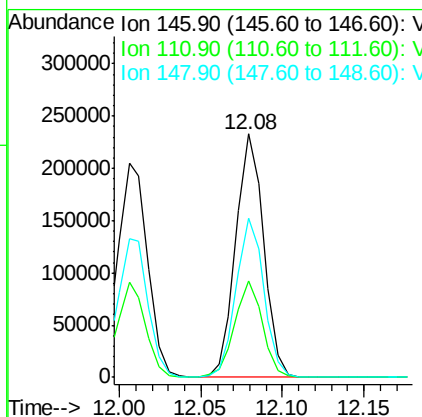
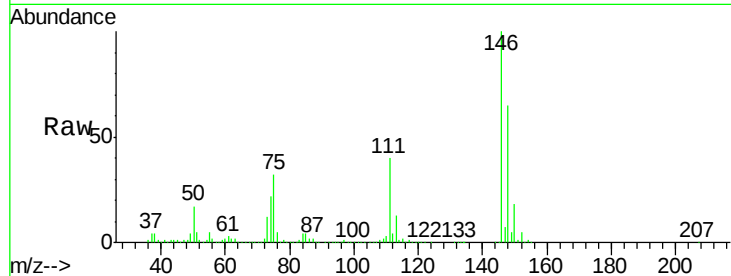
#88
1,4-Dichlorobenzene
Concen: 49.023 ug/l
RT: 12.08 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VX020001.D
Acq: 14 Dec 2020 20:54

Instrument :
MSVOA_X
ClientSampleId :
TU032-32-5229-121020MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.6	58.8
148	64.7	31.6	95.0

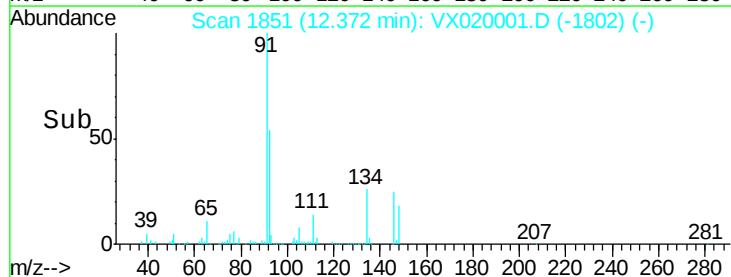
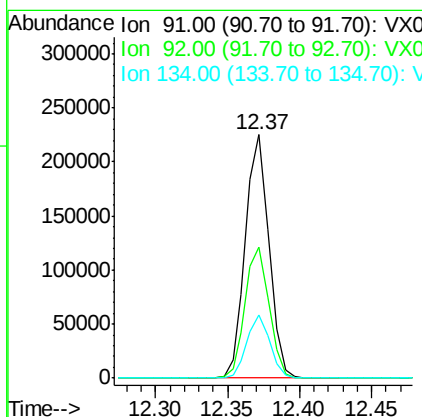
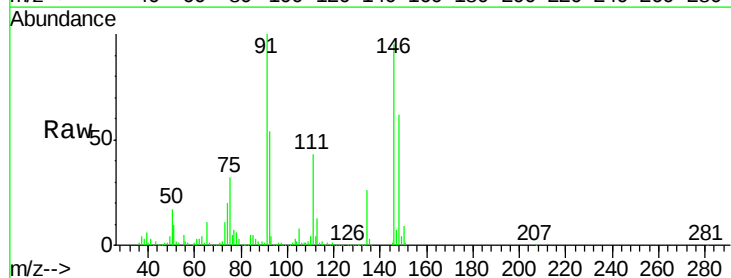
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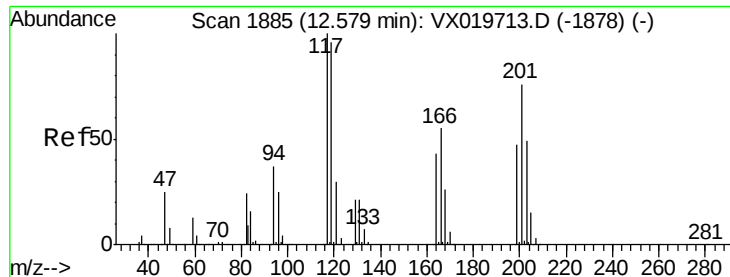
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#89
n-Butylbenzene
Concen: 28.147 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. 0.00 min
Lab File: VX020001.D
Acq: 14 Dec 2020 20:54

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.9	27.4	82.0
134	25.5	13.2	39.5





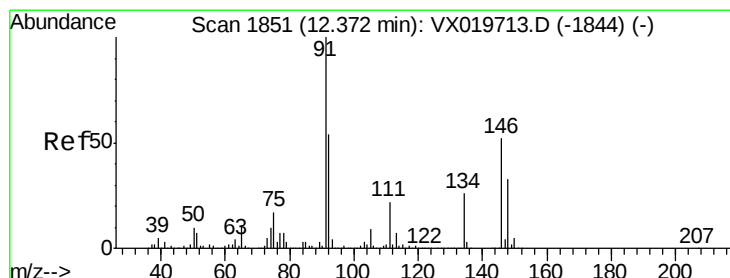
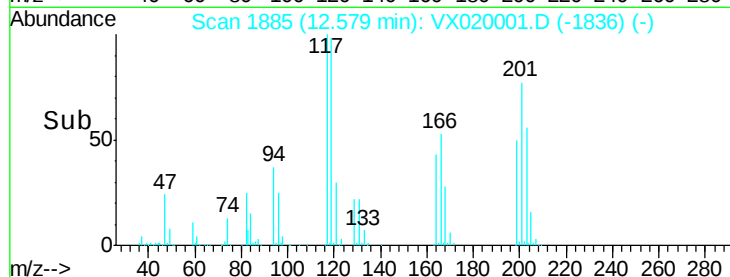
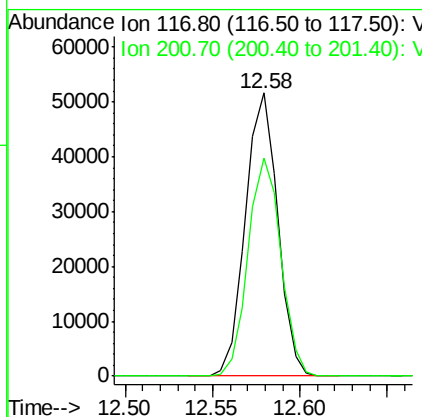
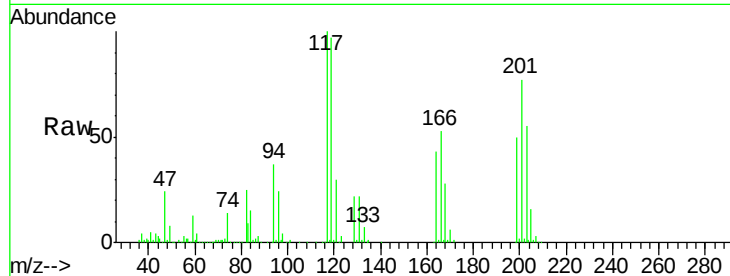
#90
Hexachloroethane
Concen: 37.562 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX020001.D
Acq: 14 Dec 2020 20:54

Instrument :
MSVOA_X
ClientSampleId :
TU032-32-5229-121020MSD

Tot Ion:117 Resp: 66532
Ion Ratio Lower Upper
117 100
201 78.0 40.4 121.2

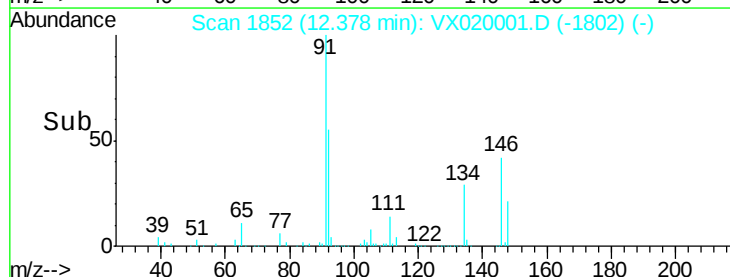
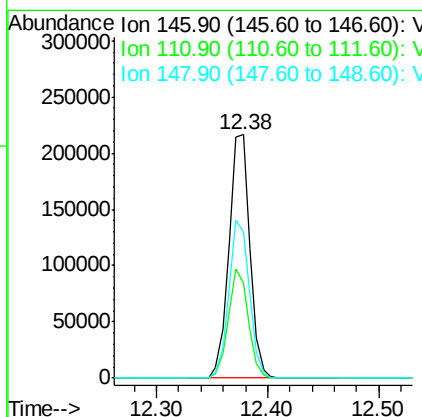
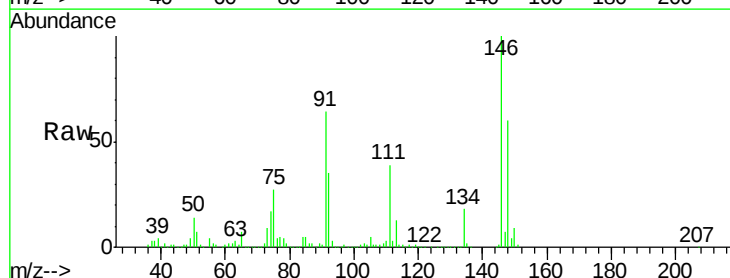
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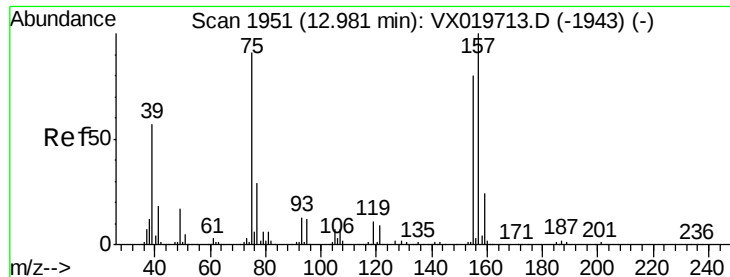
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#91
1,2-Dichlorobenzene
Concen: 51.641 ug/l
RT: 12.38 min Scan# 1852
Delta R.T. 0.01 min
Lab File: VX020001.D
Acq: 14 Dec 2020 20:54

Tgt Ion:146 Resp: 280092
Ion Ratio Lower Upper
146 100
111 42.6 20.8 62.2
148 63.7 31.9 95.5





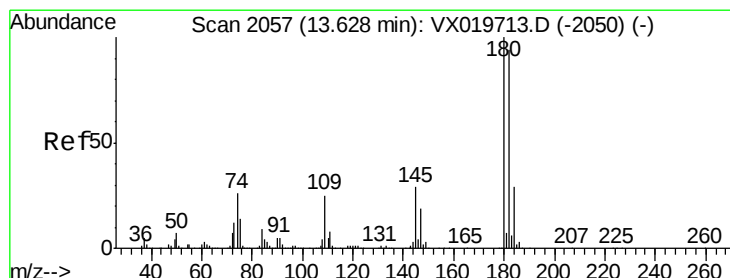
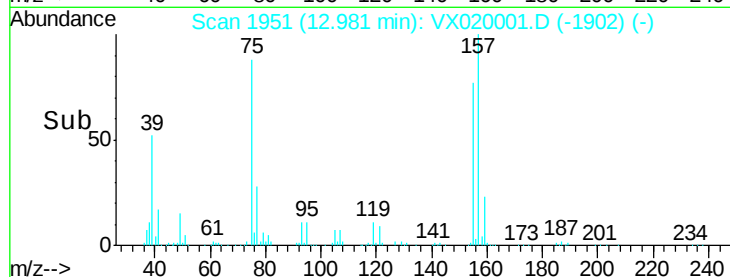
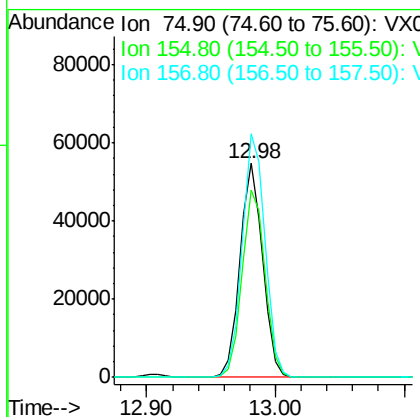
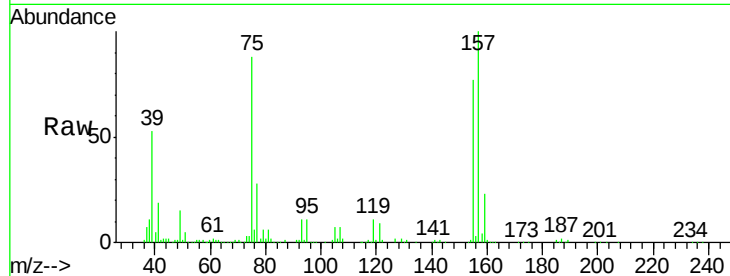
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 74.026 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VX020001.D
 Acq: 14 Dec 2020 20:54

Instrument :
 MSVOA_X
 ClientSampleId :
 TU032-32-5229-121020MSD

Tot Ion: 75 Resp: 66462
 Ion Ratio Lower Upper
 75 100
 155 88.3 45.3 135.9
 157 114.2 57.7 173.1

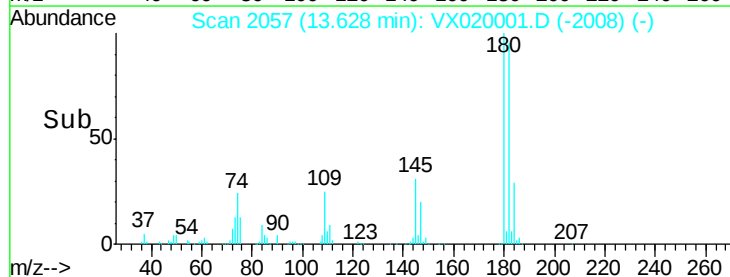
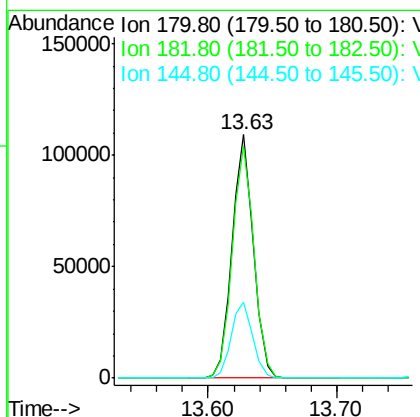
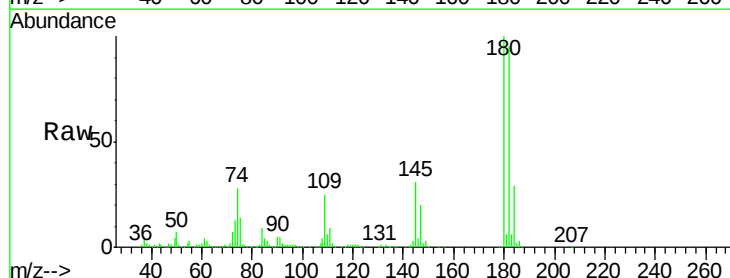
Manual Integrations
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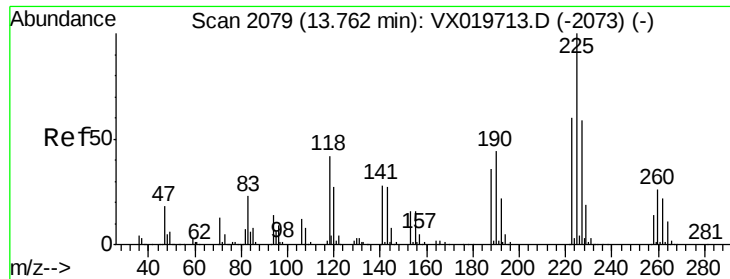
MMDadoda
 12/15/2020 5:34:19 PM



#93
 1,2,4-Trichlorobenzene
 Concen: 35.825 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX020001.D
 Acq: 14 Dec 2020 20:54

Tgt Ion: 180 Resp: 126485
 Ion Ratio Lower Upper
 180 100
 182 97.2 47.7 143.1
 145 31.6 15.0 45.0





#94

Hexachlorobutadiene

Concen: 10.038 ug/l

RT: 13.76 min Scan# 2079

Delta R.T. 0.00 min

Lab File: VX020001.D

Acq: 14 Dec 2020 20:54

Instrument :

MSVOA_X

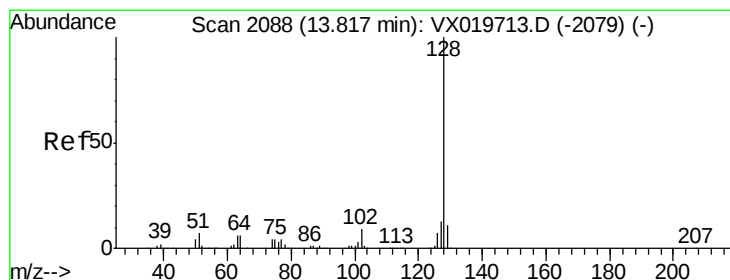
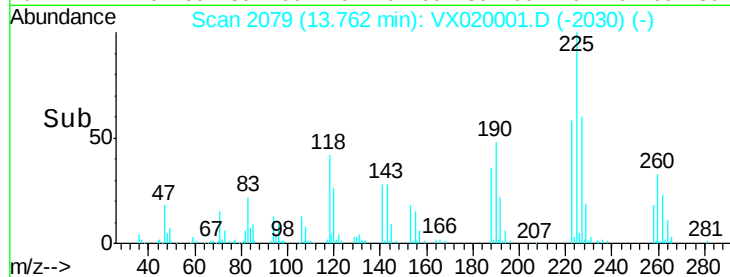
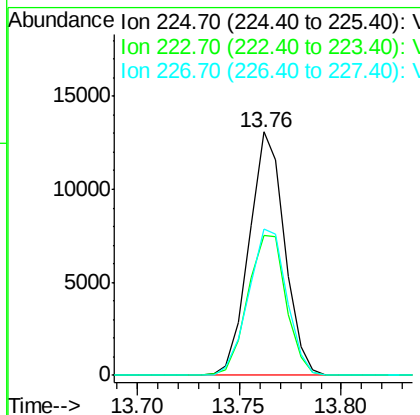
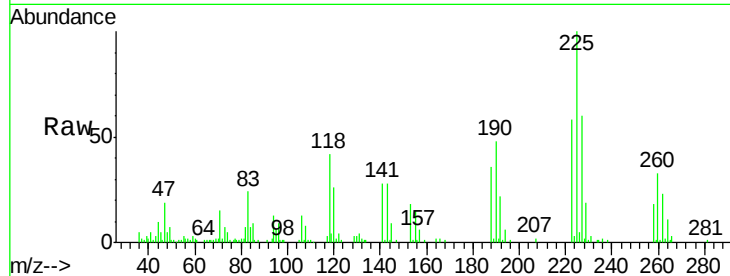
ClientSampleId :

TU032-32-5229-121020MSD

Tot Ion:	225	Resp:	15841
Ion Ratio	Lower	Upper	
225	100		
223	62.2	31.1	93.2
227	64.6	31.6	95.0

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#95

Naphthalene

Concen: 60.083 ug/l

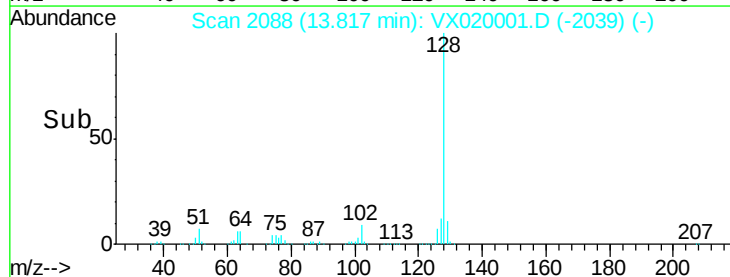
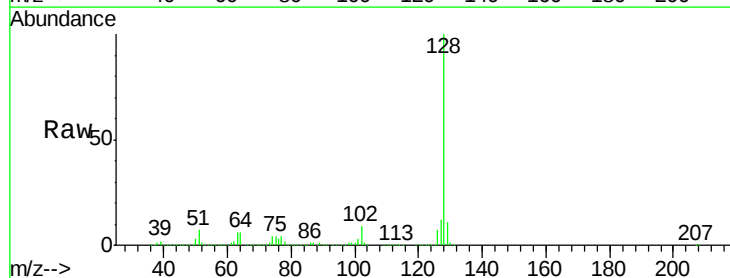
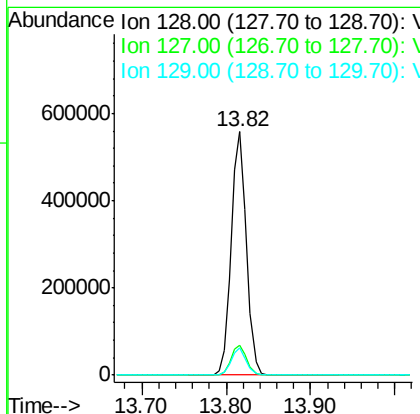
RT: 13.82 min Scan# 2088

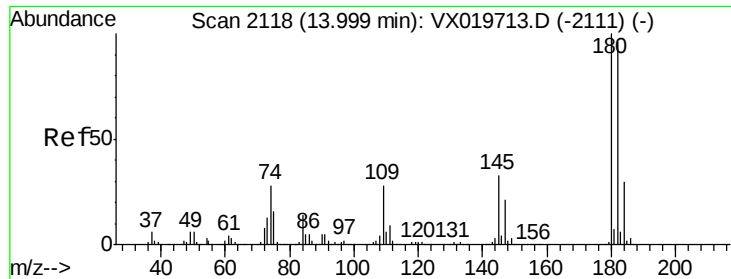
Delta R.T. 0.00 min

Lab File: VX020001.D

Acq: 14 Dec 2020 20:54

Tgt Ion:	128	Resp:	687734
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.3	15.5
129	10.9	8.8	13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 38.969 ug/l
 RT: 14.00 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VX020001.D
 Acq: 14 Dec 2020 20:54

Instrument :
 MSVOA_X
 ClientSampleId :
 TU032-32-5229-121020MSD

Tot Ion	Ratio	Resp	Lower	Upper
180	100	134463		
182	96.5	47.6	142.9	
145	32.0	16.1	48.3	

Manual Integrations
 APPROVED

MMDadoda
 12/15/2020 5:34:19 PM

