

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX120920\
 Data File : VX019808.D
 Acq On : 10 Dec 2020 04:11
 Operator : JC/MD
 Sample : L4993-07MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 45 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 12/10/2020 9:31:18 AM

Quant Time: Dec 10 07:23:19 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	272950	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	452652	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.09	117	416203	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	209322	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	169896	47.36	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	94.72%
35) Dibromofluoromethane	5.46	113	140799	48.13	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	96.26%
50) Toluene-d8	8.70	98	535356	47.93	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	95.86%
62) 4-Bromofluorobenzene	11.12	95	206445	48.57	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	97.14%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	128782	51.534	ug/l	100
3) Chloromethane	1.31	50	135946	46.257	ug/l	99
4) Vinyl Chloride	1.39	62	159034	51.321	ug/l	99
5) Bromomethane	1.62	94	52364	50.891	ug/l	97
6) Chloroethane	1.70	64	102197	54.900	ug/l	99
7) Trichlorofluoromethane	1.92	101	226296	52.436	ug/l	98
8) Diethyl Ether	2.17	74	93351	51.044	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.36	101	135636	54.832	ug/l	98
10) Methyl Iodide	2.49	142	169274	46.426	ug/l	99
11) Tert butyl alcohol	3.01	59	176495	239.200	ug/l	99
12) 1,1-Dichloroethene	2.36	96	134098	53.622	ug/l	98
13) Acrolein	2.27	56	86097	217.430	ug/l	99
14) Allyl chloride	2.70	41	210322	49.796	ug/l	99
15) Acrylonitrile	3.11	53	436686	269.268	ug/l	100
16) Acetone	2.42	43	346550	257.008	ug/l	99
17) Carbon Disulfide	2.55	76	338303	47.146	ug/l	100
18) Methyl Acetate	2.75	43	166093	50.336	ug/l	100
19) Methyl tert-butyl Ether	3.17	73	483234	53.059	ug/l	99
20) Methylene Chloride	2.83	84	161924	52.677	ug/l	99
21) trans-1,2-Dichloroethene	3.14	96	150121	51.489	ug/l	99
22) Diisopropyl ether	3.82	45	457606	53.586	ug/l	92
23) Vinyl Acetate	3.78	43	1744742	239.815	ug/l	100
24) 1,1-Dichloroethane	3.67	63	269653	52.364	ug/l	99
25) 2-Butanone	4.63	43	550775	265.824	ug/l	99
26) 2,2-Dichloropropane	4.55	77	180497	40.701	ug/l	98
27) cis-1,2-Dichloroethene	4.56	96	178033	52.179	ug/l	96
28) Bromochloromethane	4.98	49	118680	48.345	ug/l	100
29) Tetrahydrofuran	5.09	42	357018	267.442	ug/l	100
30) Chloroform	5.18	83	282024	53.262	ug/l	100
31) Cyclohexane	5.55	56	231254	51.823	ug/l	98
32) 1,1,1-Trichloroethane	5.46	97	241572	52.977	ug/l	99
36) 1,1-Dichloropropene	5.77	75	205852	50.327	ug/l	99
37) Ethyl Acetate	4.79	43	192800	46.685	ug/l	99
38) Carbon Tetrachloride	5.75	117	204792	51.128	ug/l	97

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	241628	50.280	ug/l	100
40) Benzene	6.11	78	634037	50.744	ug/l	100
41) Methacrylonitrile	5.00	41	118441	52.235	ug/l	100
42) 1,2-Dichloroethane	6.16	62	218250	51.124	ug/l	100
43) Isopropyl Acetate	6.41	43	322305	48.003	ug/l	100
44) Trichloroethene	7.18	130	163437	49.854	ug/l	99
45) 1,2-Dichloropropane	7.49	63	161998	51.876	ug/l	95
46) Dibromomethane	7.63	93	109415	51.884	ug/l	99
47) Bromodichloromethane	7.87	83	217045	51.867	ug/l	100
48) Methyl methacrylate	7.74	41	170051	51.497	ug/l	99
49) 1,4-Dioxane	7.71	88	73482	918.595	ug/l	99
51) 4-Methyl-2-Pentanone	8.62	43	1081323	263.782	ug/l	100
52) Toluene	8.76	92	397289	50.839	ug/l	99
53) t-1,3-Dichloropropene	9.02	75	230689	49.678	ug/l	100
54) cis-1,3-Dichloropropene	8.42	75	247793	49.118	ug/l	98
55) 1,1,2-Trichloroethane	9.20	97	165211	52.461	ug/l	98
56) Ethyl methacrylate	9.16	69	247620	51.970	ug/l	100
57) 1,3-Dichloropropane	9.35	76	276918	51.497	ug/l	100
59) 2-Hexanone	9.47	43	824004	259.325	ug/l	100
60) Dibromochloromethane	9.56	129	170185	53.190	ug/l	99
61) 1,2-Dibromoethane	9.65	107	171331	51.234	ug/l	99
64) Tetrachloroethene	9.32	164	141258	50.610	ug/l	95
65) Chlorobenzene	10.12	112	420049	50.658	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.20	131	156753	52.522	ug/l	99
67) Ethyl Benzene	10.23	91	760408	51.663	ug/l	100
68) m/p-Xylenes	10.34	106	574327	103.554	ug/l	100
69) o-Xylene	10.68	106	275731	51.682	ug/l	100
70) Styrene	10.70	104	469998	52.193	ug/l	100
71) Bromoform	10.84	173	122603	52.220	ug/l #	97
73) Isopropylbenzene	11.00	105	744210	52.040	ug/l	100
74) N-amyl acetate	10.88	43	261811	45.684	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.25	83	264550	52.470	ug/l	99
76) 1,2,3-Trichloropropane	11.28	75	241490m	51.439	ug/l	
77) Bromobenzene	11.24	156	185220	50.610	ug/l	100
78) n-propylbenzene	11.34	91	850039	52.042	ug/l	100
79) 2-Chlorotoluene	11.40	91	511331	50.835	ug/l	100
80) 1,3,5-Trimethylbenzene	11.49	105	626690	51.924	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.05	75	77901	47.968	ug/l	99
82) 4-Chlorotoluene	11.49	91	598398	50.796	ug/l	100
83) tert-Butylbenzene	11.76	119	619936	52.372	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	638082	52.483	ug/l	100
85) sec-Butylbenzene	11.93	105	710993	52.609	ug/l	100
86) p-Isopropyltoluene	12.05	119	650058	52.484	ug/l	100
87) 1,3-Dichlorobenzene	12.01	146	338303	50.365	ug/l	100
88) 1,4-Dichlorobenzene	12.08	146	342691	50.091	ug/l	100
89) n-Butylbenzene	12.37	91	567233	51.691	ug/l	99
90) Hexachloroethane	12.58	117	111540	52.161	ug/l	100
91) 1,2-Dichlorobenzene	12.37	146	335472	51.234	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.98	75	55646	51.339	ug/l	98
93) 1,2,4-Trichlorobenzene	13.63	180	215372	50.529	ug/l	99

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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	91618	48.091	ug/l	98
95) Naphthalene	13.82	128	742904	53.761	ug/l	99
96) 1,2,3-Trichlorobenzene	14.00	180	211529	50.780	ug/l	100

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

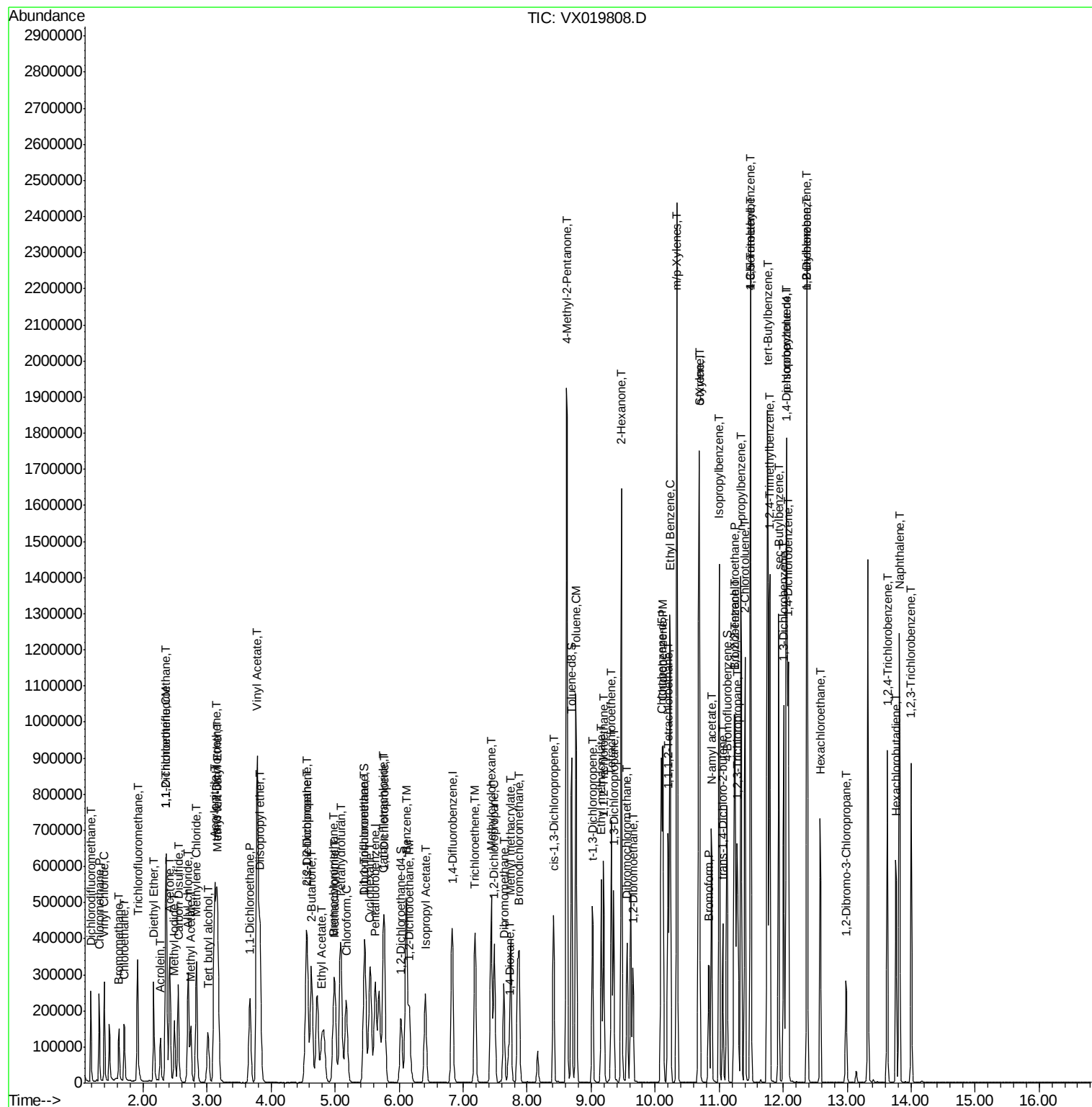
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 Data File : VX019808.D
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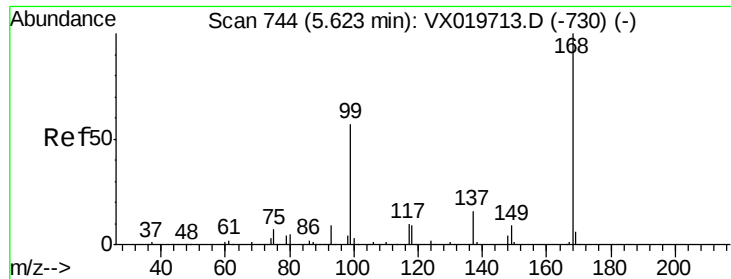
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.01 min

Lab File: VX019808.D

Acq: 10 Dec 2020 04:11

Instrument :

MSVOA_X

ClientSampleId :

TU032-32-5226-120820MSD

Tot Ion:168 Resp: 272950

Ion Ratio Lower Upper

168 100

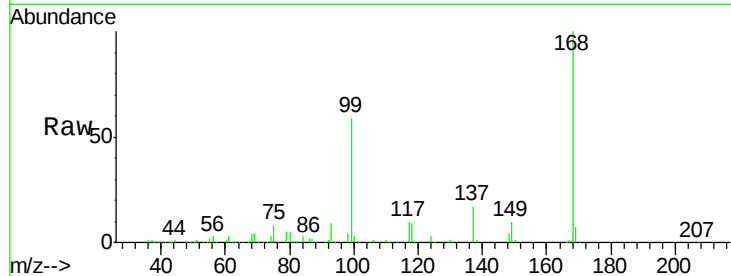
99 58.5 45.8 68.6

Manual Integrations

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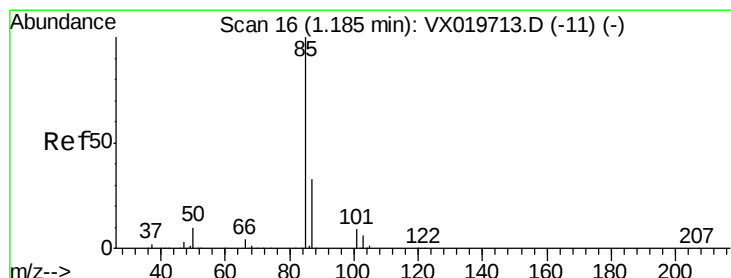
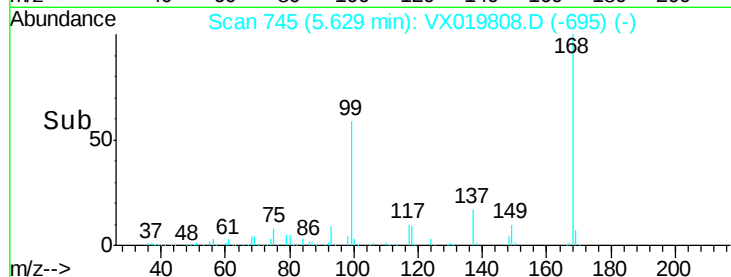
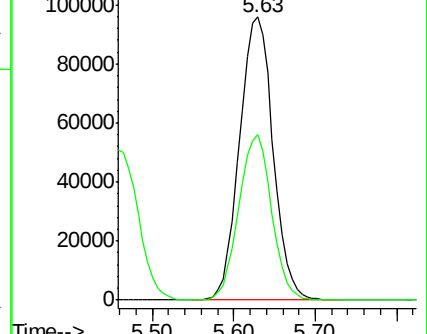
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 51.534 ug/l

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX019808.D

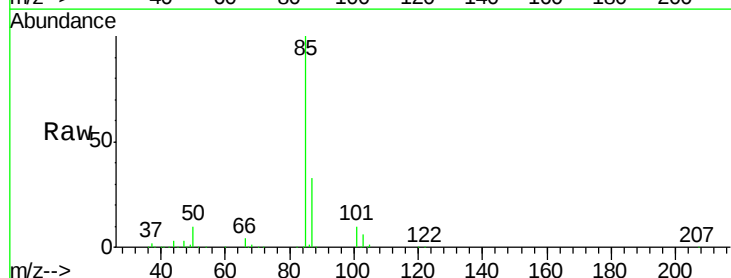
Acq: 10 Dec 2020 04:11

Tgt Ion: 85 Resp: 128782

Ion Ratio Lower Upper

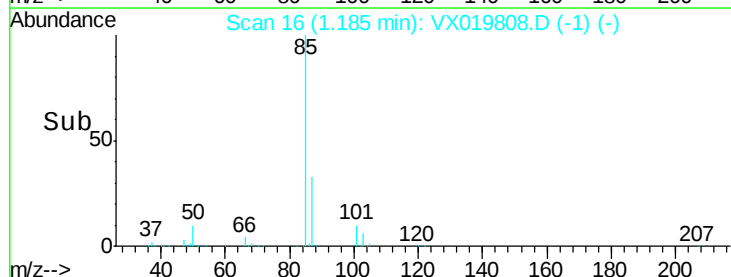
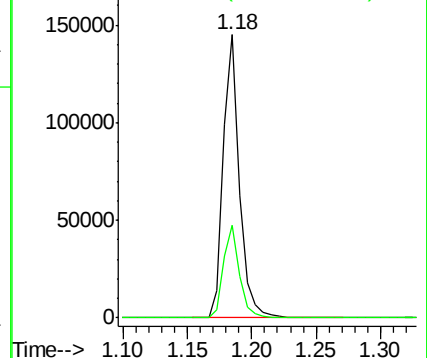
85 100

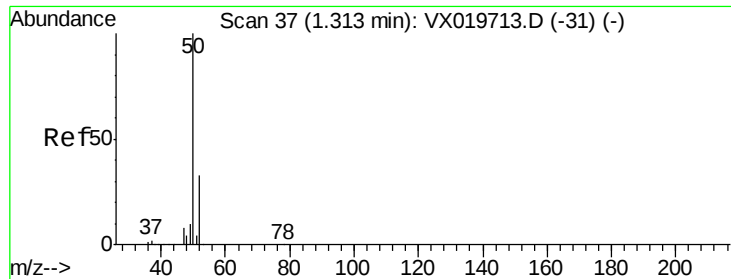
87 32.8 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 46.257 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX019808.D

Acq: 10 Dec 2020 04:11

Instrument :

MSVOA_X

ClientSampleId :

TU032-32-5226-120820MSD

Tot Ion: 50 Resp: 135946

Ion Ratio Lower Upper

50 100

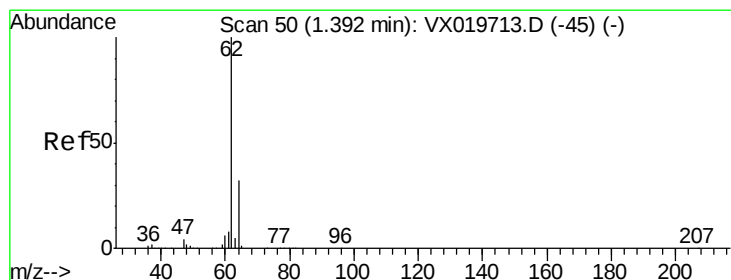
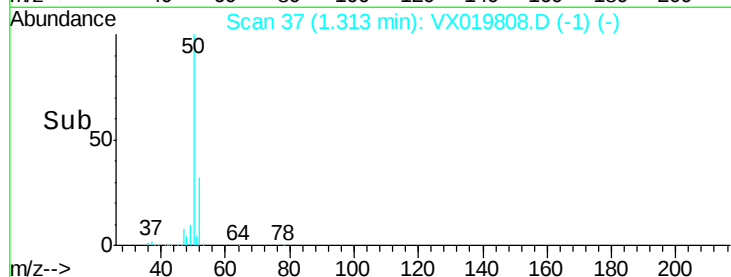
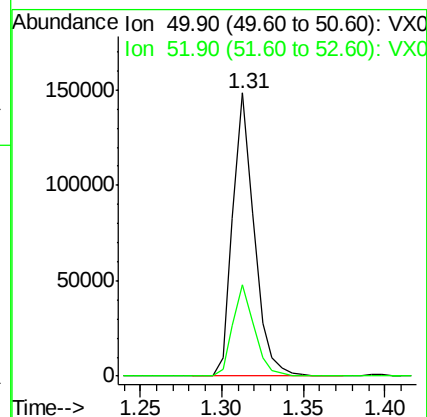
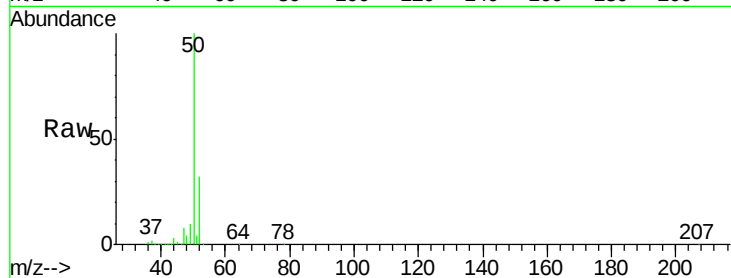
52 32.4 26.4 39.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 51.321 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX019808.D

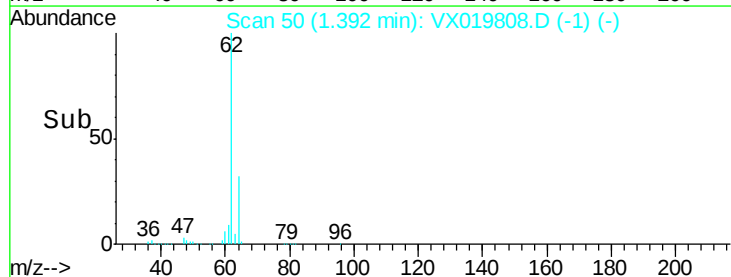
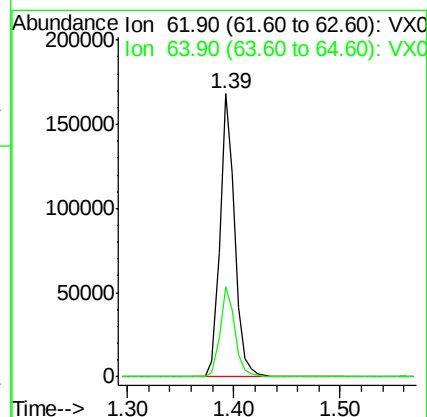
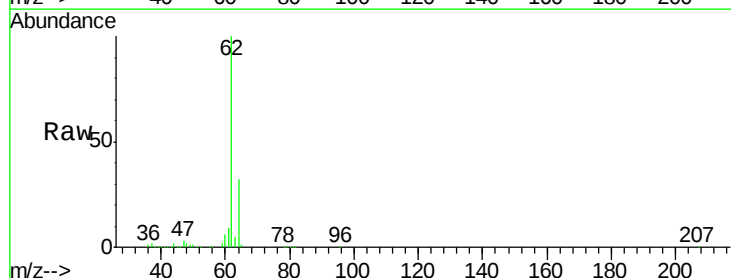
Acq: 10 Dec 2020 04:11

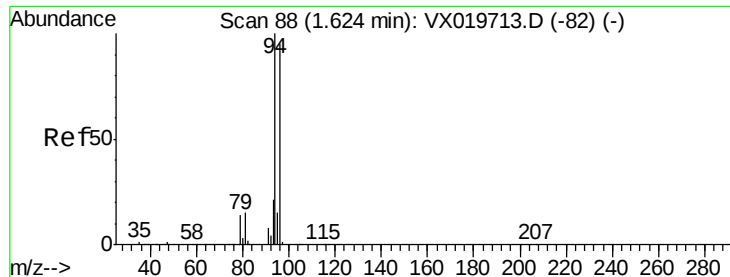
Tgt Ion: 62 Resp: 159034

Ion Ratio Lower Upper

62 100

64 31.8 25.7 38.5





#5

Bromomethane

Concen: 50.891 ug/l

RT: 1.62 min Scan# 88

Delta R.T. 0.00 min

Lab File: VX019808.D

Acq: 10 Dec 2020 04:11

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Tot Ion: 94 Resp: 52364

Ion Ratio Lower Upper

94 100

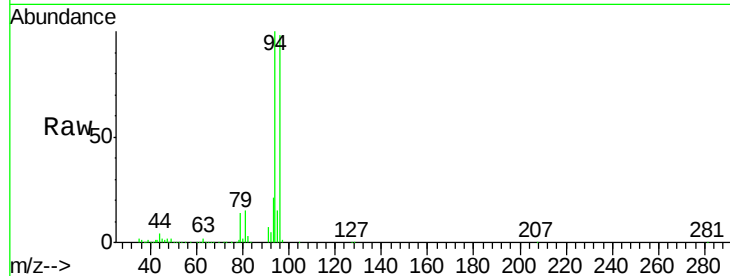
96 98.1 76.4 114.6

Manual Integrations

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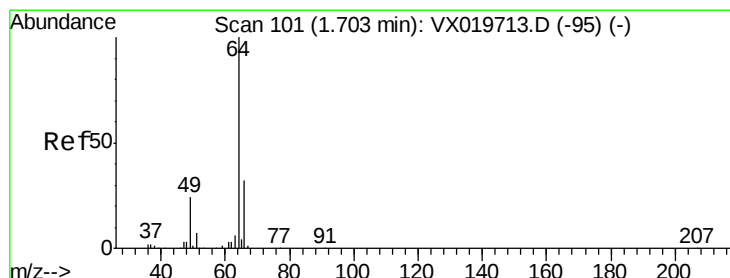
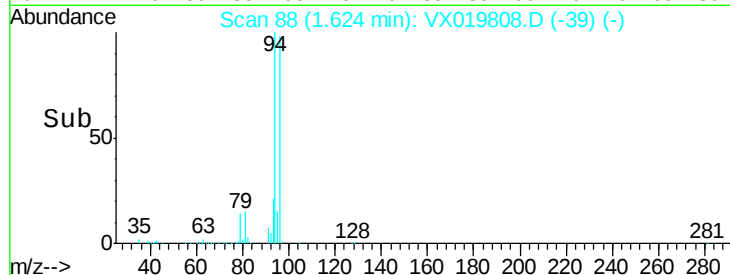
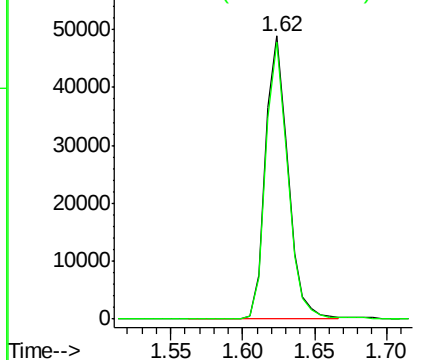
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 54.900 ug/l

RT: 1.70 min Scan# 101

Delta R.T. -0.00 min

Lab File: VX019808.D

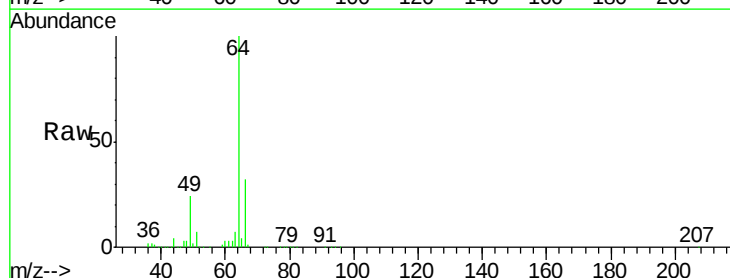
Acq: 10 Dec 2020 04:11

Tgt Ion: 64 Resp: 102197

Ion Ratio Lower Upper

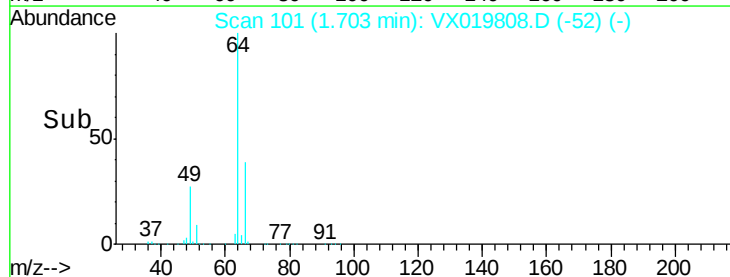
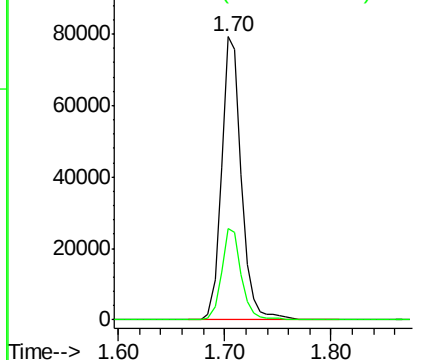
64 100

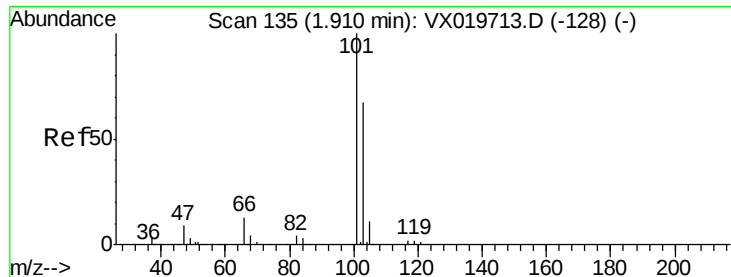
66 32.2 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

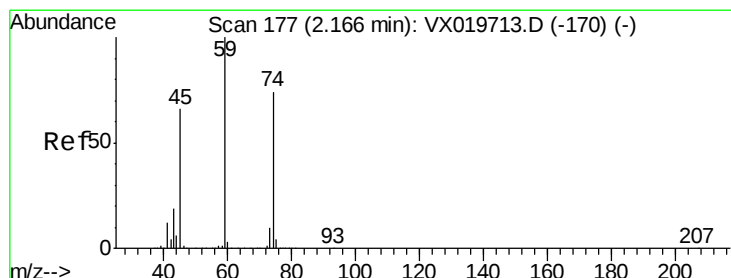
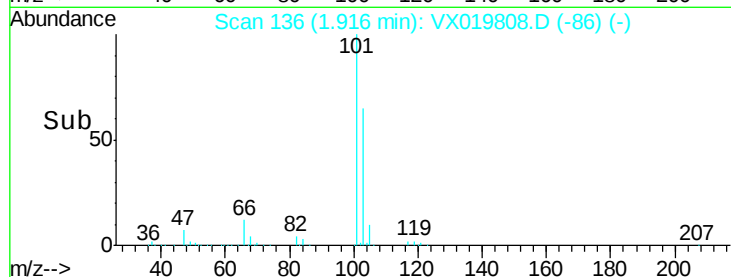
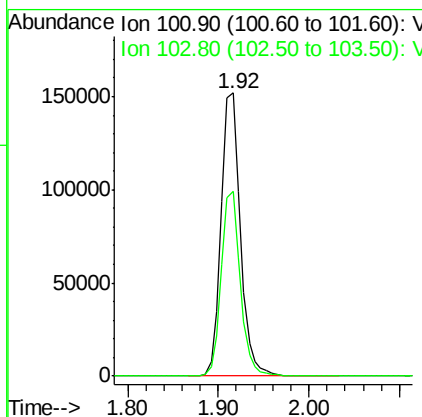
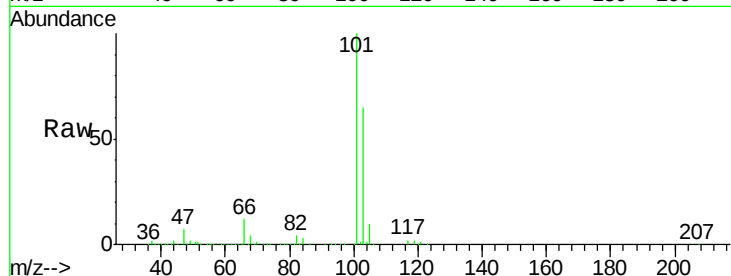
Trichlorofluoromethane
Concen: 52.436 ug/l
RT: 1.92 min Scan# 136
Delta R.T. 0.01 min
Lab File: VX019808.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	53.2	79.8

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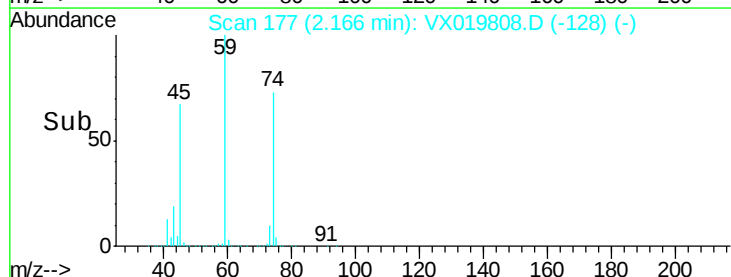
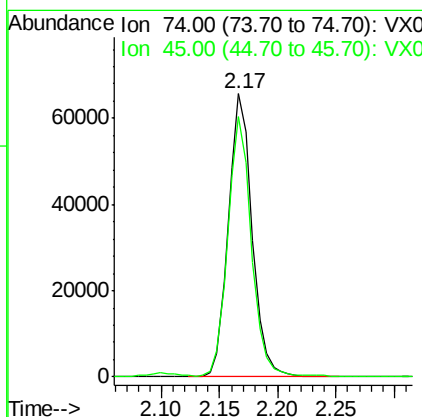
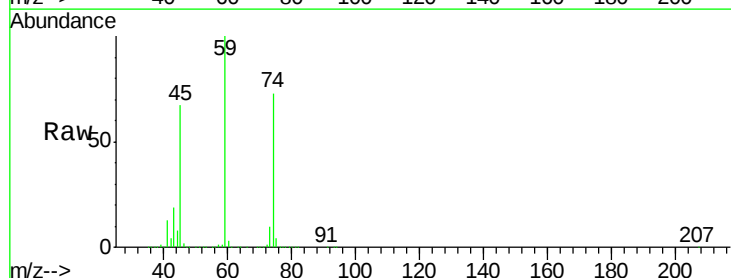
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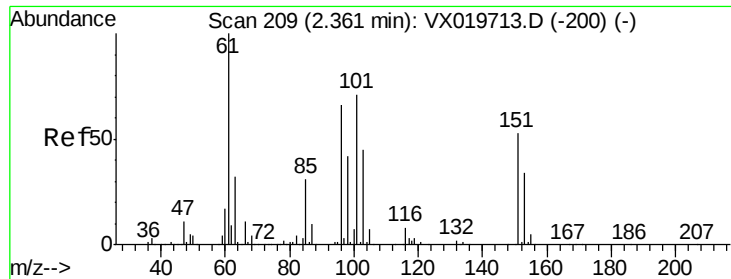


#8

Diethyl Ether
Concen: 51.044 ug/l
RT: 2.17 min Scan# 177
Delta R.T. -0.00 min
Lab File: VX019808.D
Acq: 10 Dec 2020 04:11

Tgt Ion	Ratio	Lower	Upper
74	100		
45	90.3	44.5	133.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.832 ug/l

RT: 2.36 min Scan# 209

Delta R.T. -0.00 min

Lab File: VX019808.D

Acq: 10 Dec 2020 04:11

Instrument :

MSVOA_X

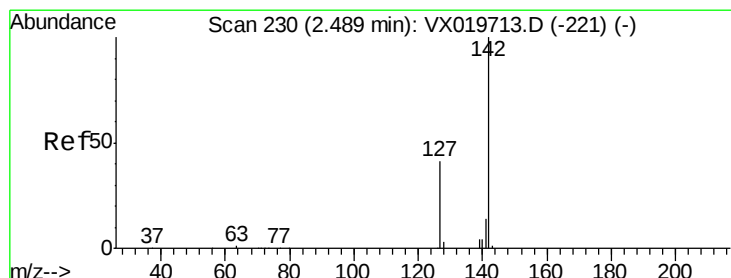
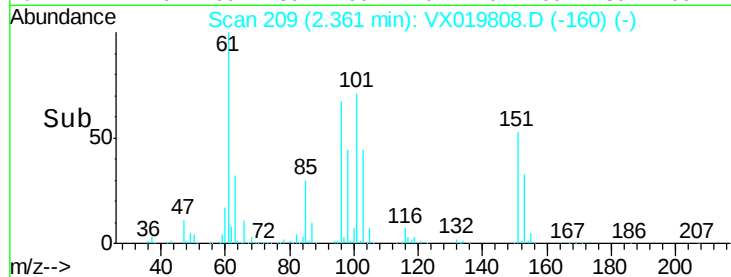
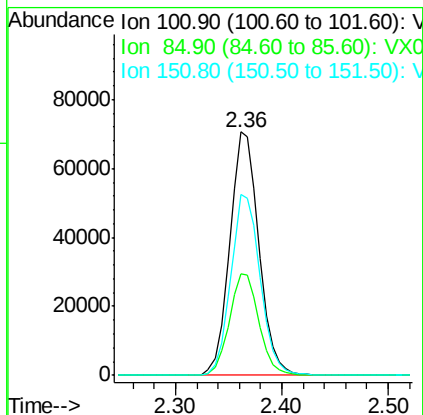
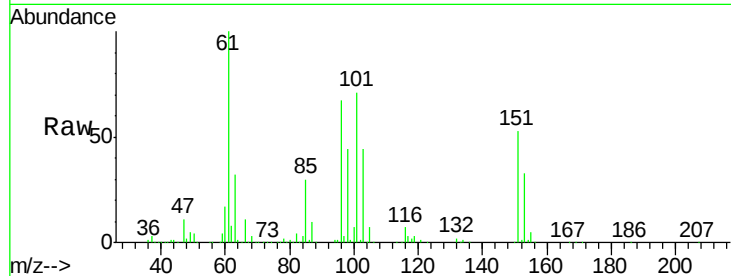
ClientSampleId :

TU032-32-5226-120820MSD

Tot Ion:	101	Resp:	135636
Ion Ratio	Lower	Upper	
101	100		
85	42.1	34.9	52.3
151	75.3	61.4	92.2

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#10

Methyl Iodide

Concen: 46.426 ug/l

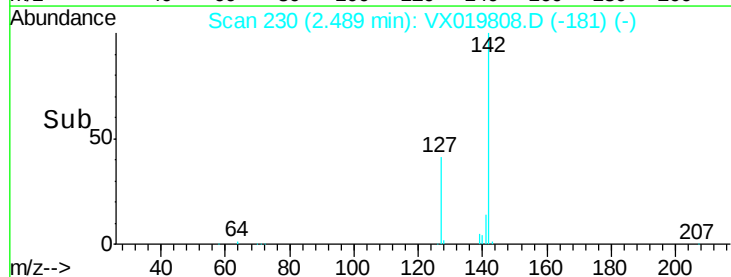
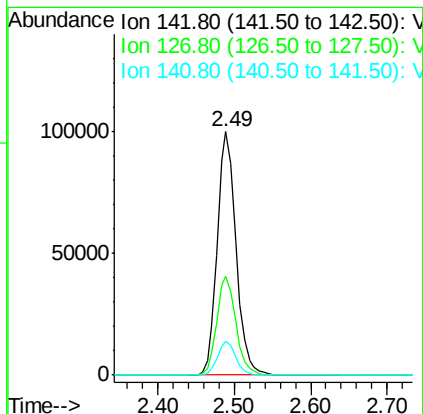
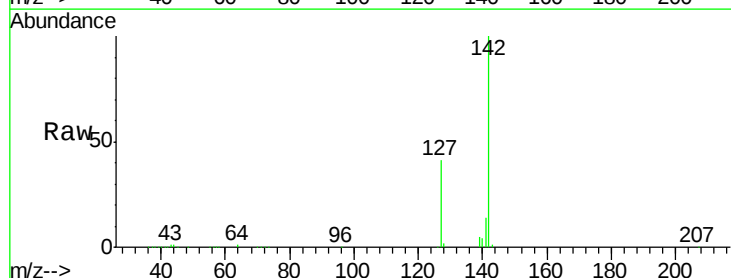
RT: 2.49 min Scan# 230

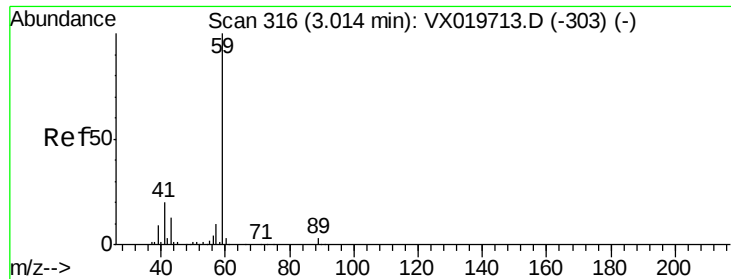
Delta R.T. -0.00 min

Lab File: VX019808.D

Acq: 10 Dec 2020 04:11

Tgt Ion:	142	Resp:	169274
Ion Ratio	Lower	Upper	
142	100		
127	41.3	33.3	49.9
141	13.9	11.4	17.0





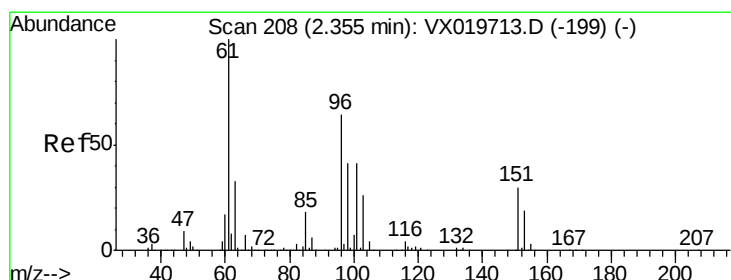
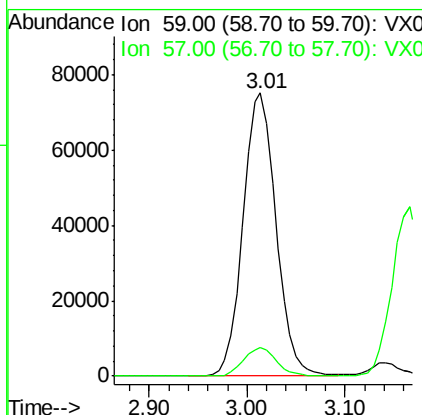
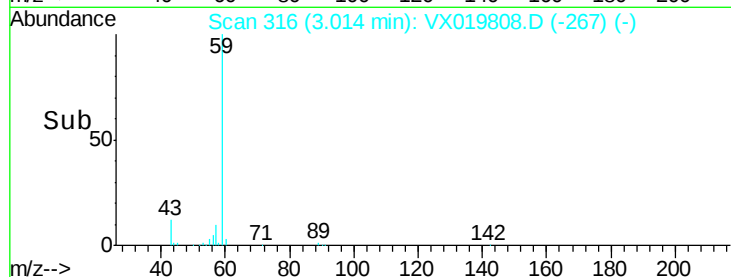
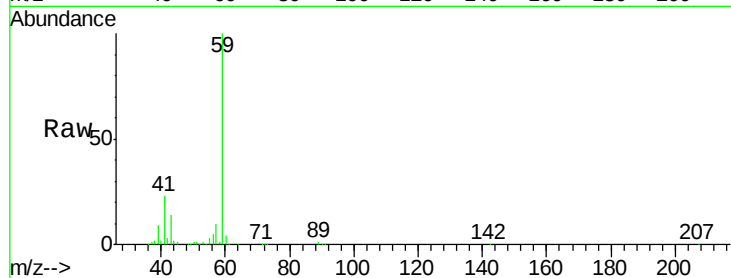
#11
Tert butyl alcohol
Concen: 239.200 ug/l
RT: 3.01 min Scan# 316
Delta R.T. 0.00 min
Lab File: VX019808.D
Acq: 10 Dec 2020 04:11

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

Tot Ion: 59 Resp: 176495
Ion Ratio Lower Upper
59 100
57 10.0 7.8 11.8

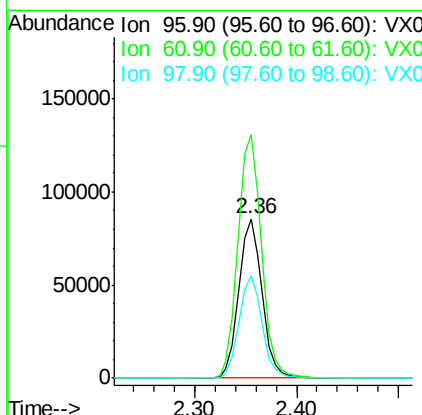
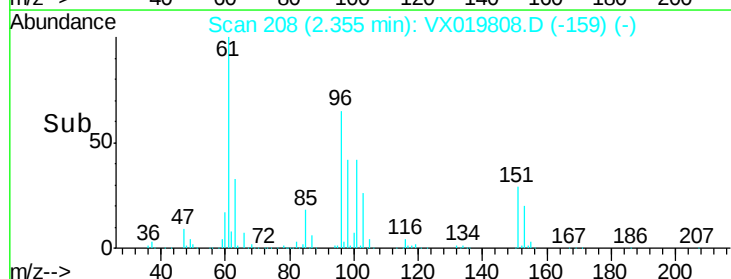
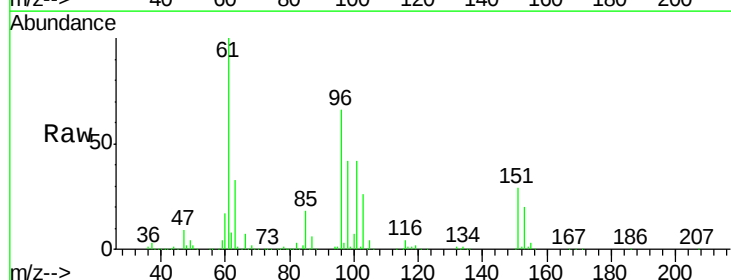
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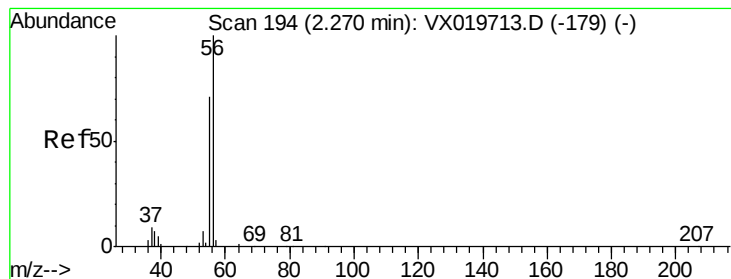
MMDadoda
12/10/2020 9:31:18 AM



#12
1,1-Dichloroethene
Concen: 53.622 ug/l
RT: 2.36 min Scan# 208
Delta R.T. -0.00 min
Lab File: VX019808.D
Acq: 10 Dec 2020 04:11

Tgt Ion: 96 Resp: 134098
Ion Ratio Lower Upper
96 100
61 152.6 124.6 187.0
98 64.1 50.6 76.0





#13

Acrolein

Concen: 217.430 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX019808.D

Acq: 10 Dec 2020 04:11

Instrument :

MSVOA_X

ClientSampleId :

TU032-32-5226-120820MSD

Tot Ion: 56 Resp: 86097

Ion Ratio Lower Upper

56 100

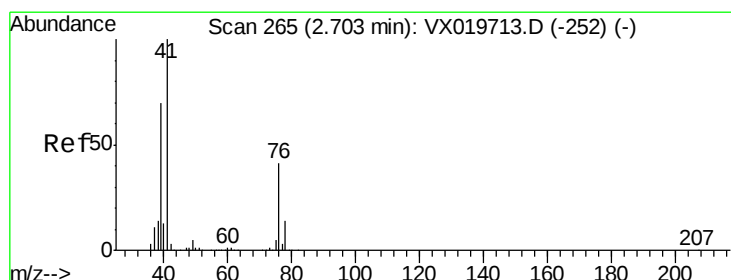
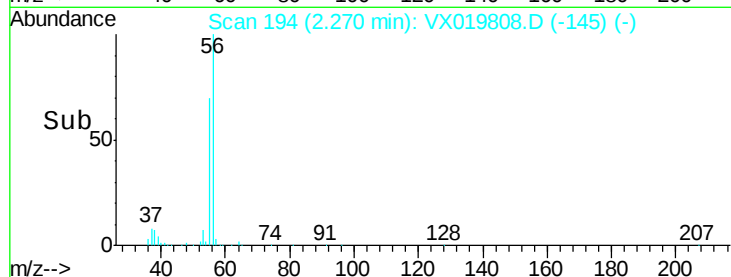
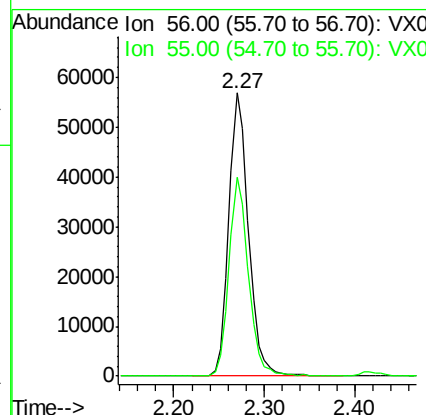
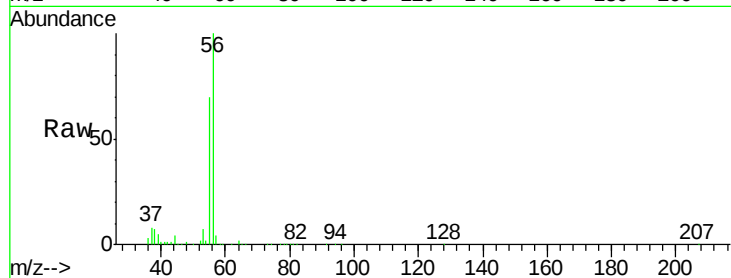
55 69.8 56.4 84.6

Manual Integrations

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#14

Allyl chloride

Concen: 49.796 ug/l

RT: 2.70 min Scan# 265

Delta R.T. -0.00 min

Lab File: VX019808.D

Acq: 10 Dec 2020 04:11

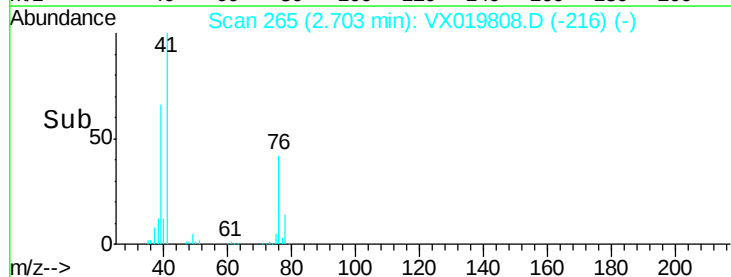
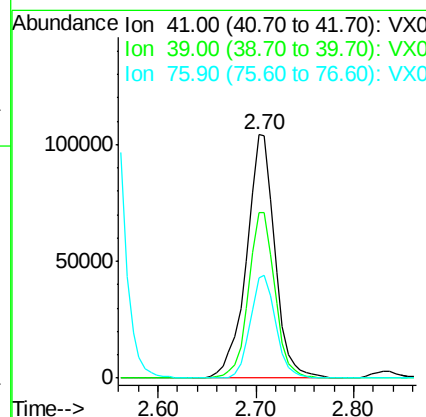
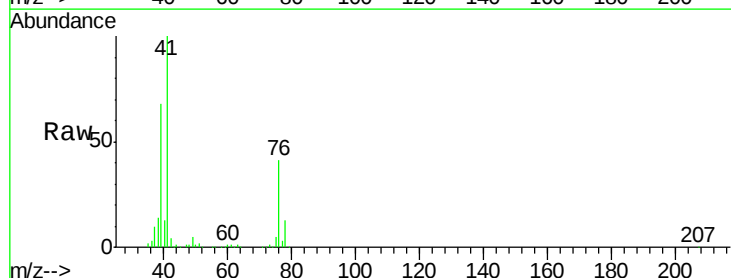
Tgt Ion: 41 Resp: 210322

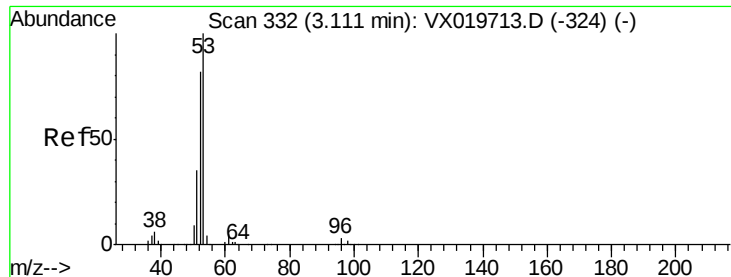
Ion Ratio Lower Upper

41 100

39 63.2 51.6 77.4

76 37.7 30.5 45.7





#15

Acrylonitrile

Concen: 269.268 ug/l

RT: 3.11 min Scan# 332

Delta R.T. -0.00 min

Lab File: VX019808.D

Acq: 10 Dec 2020 04:11

Instrument :

MSVOA_X

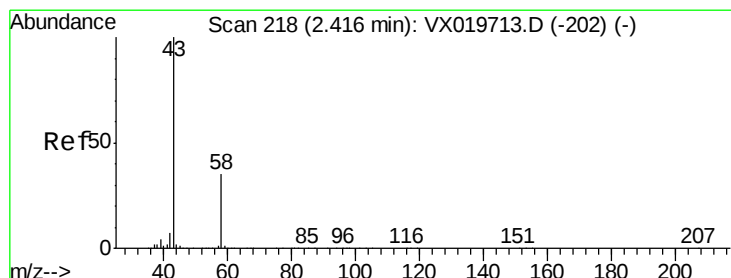
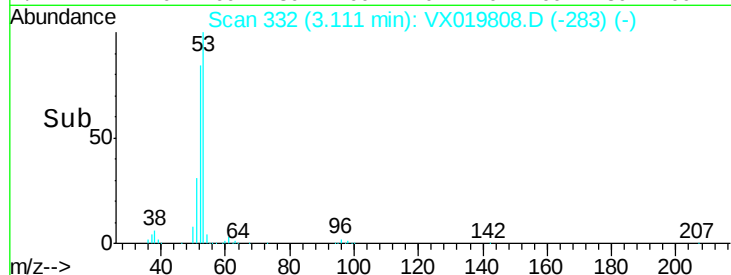
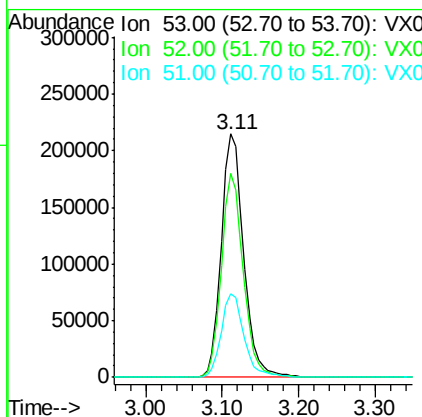
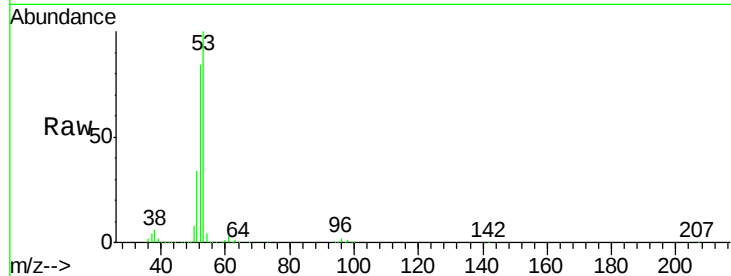
ClientSampleId :

TU032-32-5226-120820MSD

Tot Ion:	53	Resp:	436686
Ion	Ratio	Lower	Upper
53	100		
52	81.5	65.3	97.9
51	35.2	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 257.008 ug/l

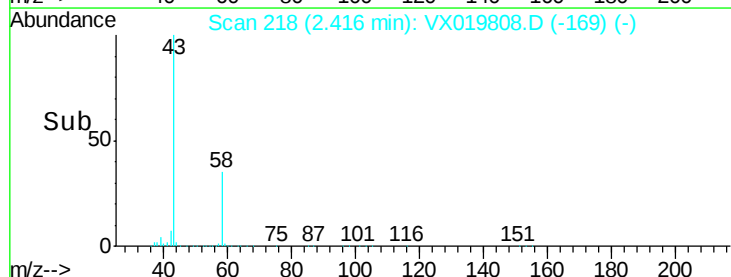
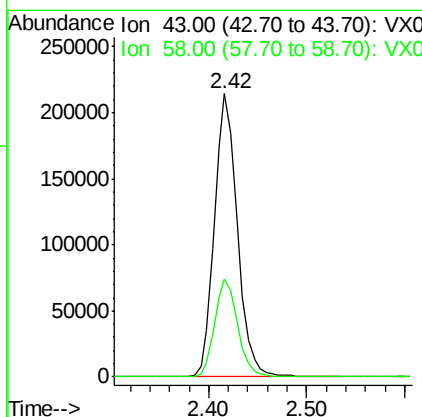
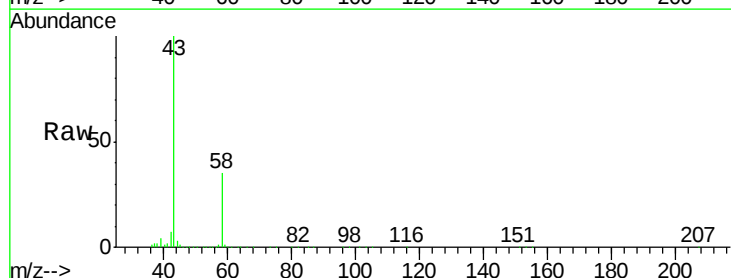
RT: 2.42 min Scan# 218

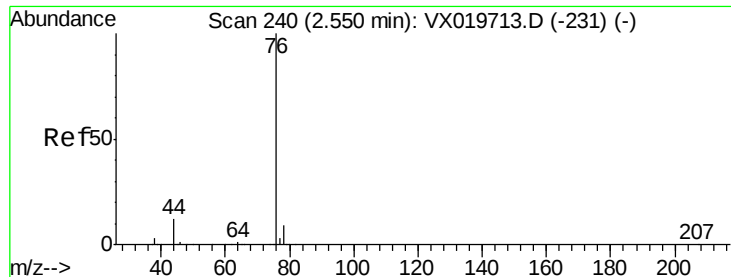
Delta R.T. -0.00 min

Lab File: VX019808.D

Acq: 10 Dec 2020 04:11

Tgt Ion:	43	Resp:	346550
Ion	Ratio	Lower	Upper
43	100		
58	34.5	27.8	41.8





#17

Carbon Disulfide

Concen: 47.146 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX019808.D

Acq: 10 Dec 2020 04:11

Instrument :

MSVOA_X

ClientSampleId :

TU032-32-5226-120820MSD

Tot Ion: 76 Resp: 338303

Ion Ratio Lower Upper

76 100

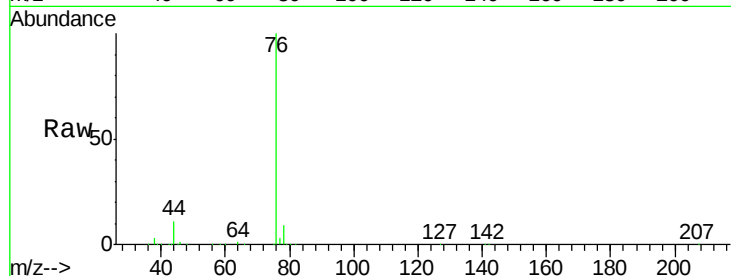
78 9.0 7.2 10.8

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

250000

200000

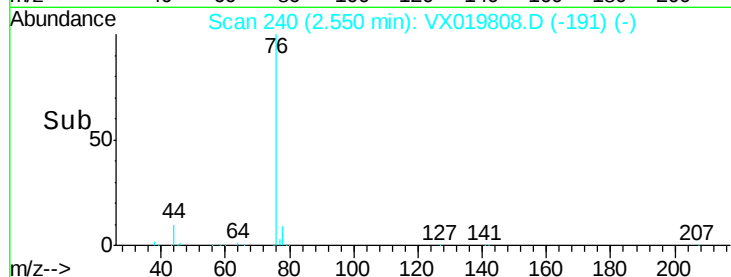
150000

100000

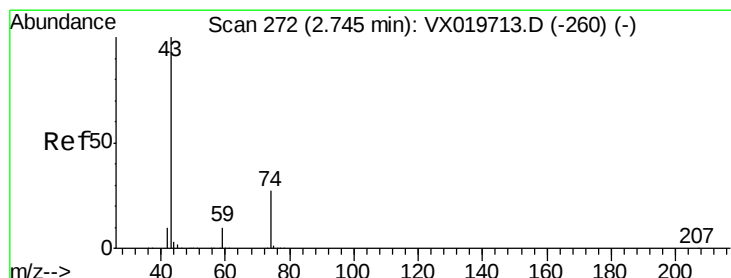
50000

0

Time-->



Time-->



#18

Methyl Acetate

Concen: 50.336 ug/l

RT: 2.75 min Scan# 272

Delta R.T. -0.00 min

Lab File: VX019808.D

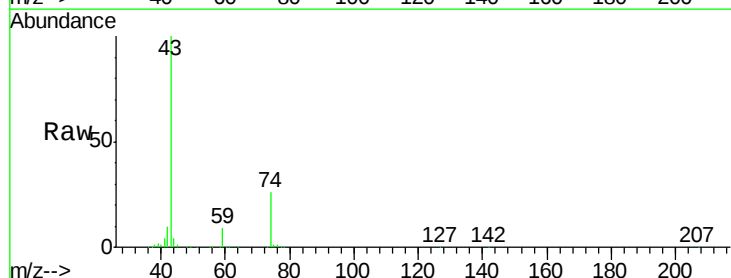
Acq: 10 Dec 2020 04:11

Tgt Ion: 43 Resp: 166093

Ion Ratio Lower Upper

43 100

74 27.3 21.9 32.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

100000

80000

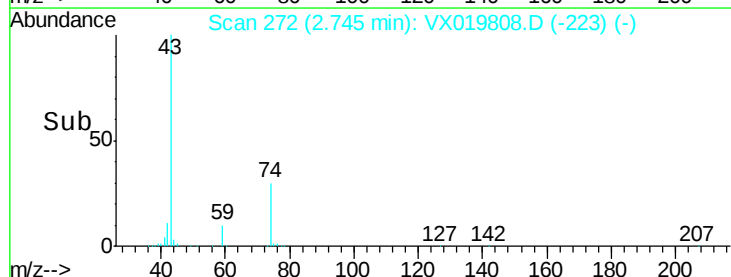
60000

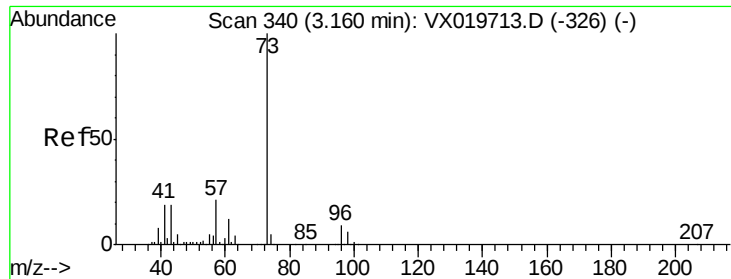
40000

20000

0

Time-->





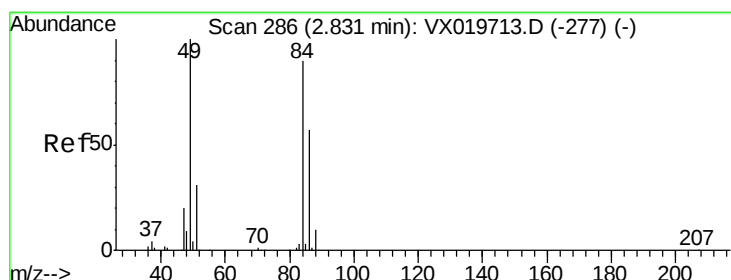
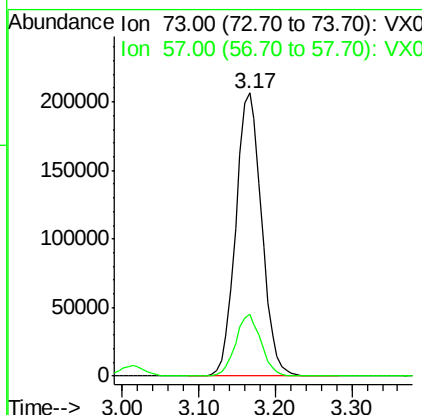
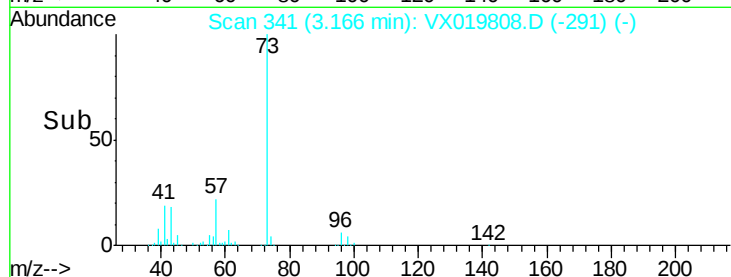
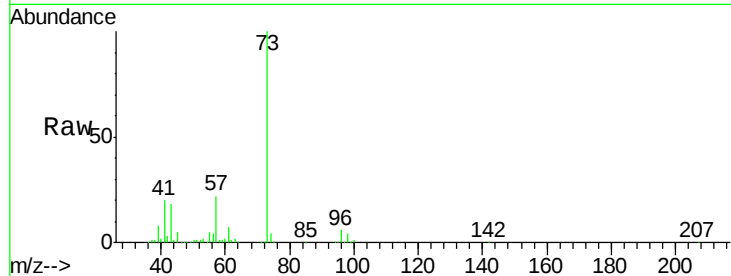
#19
Methvl tert-butvl Ether
Concen: 53.059 ug/l
RT: 3.17 min Scan# 341
Delta R.T. 0.01 min
Lab File: VX019808.D
Acq: 10 Dec 2020 04:11

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

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.1	25.7

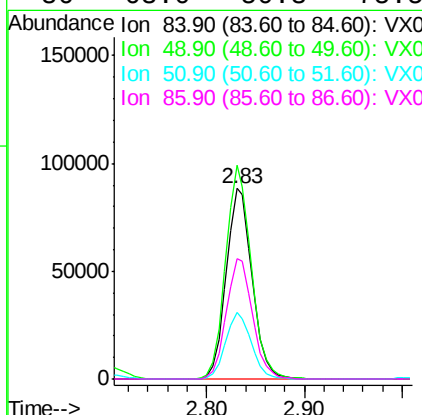
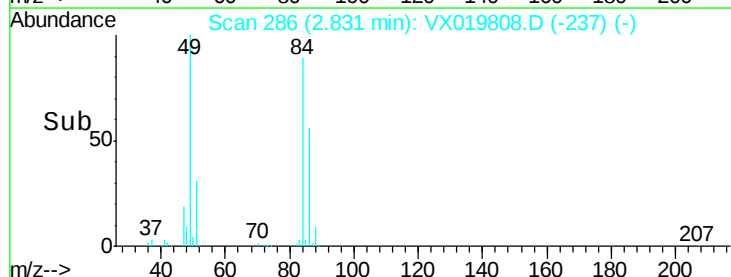
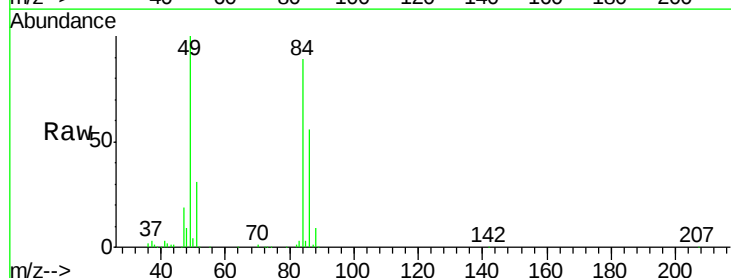
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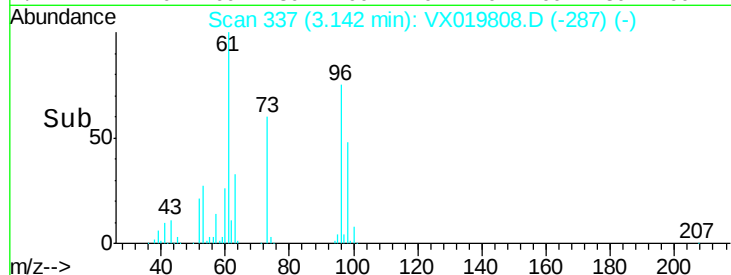
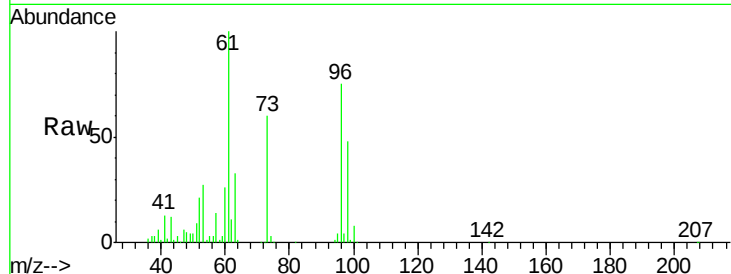
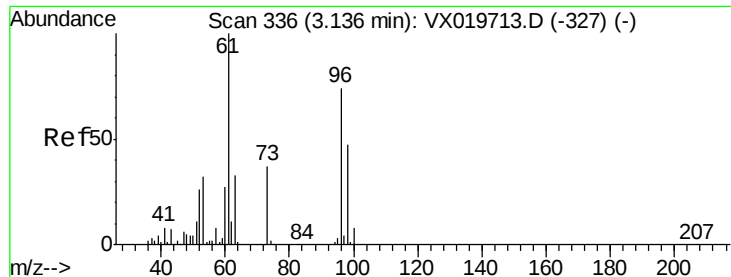
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#20
Methylene Chloride
Concen: 52.677 ug/l
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX019808.D
Acq: 10 Dec 2020 04:11

Tgt Ion	Ratio	Lower	Upper
84	100		
49	112.0	88.6	132.8
51	34.7	27.0	40.6
86	63.0	50.3	75.5





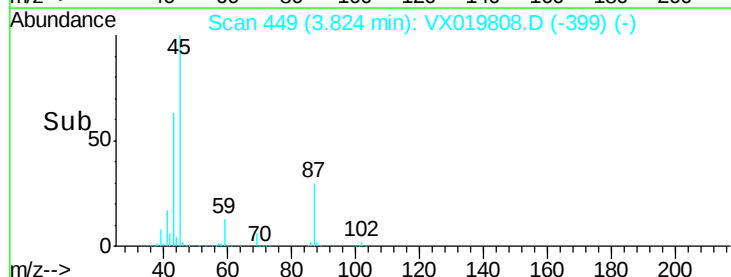
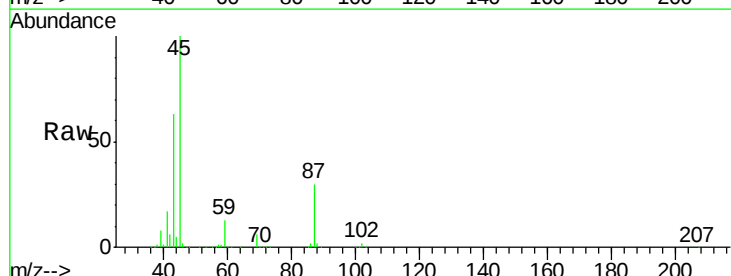
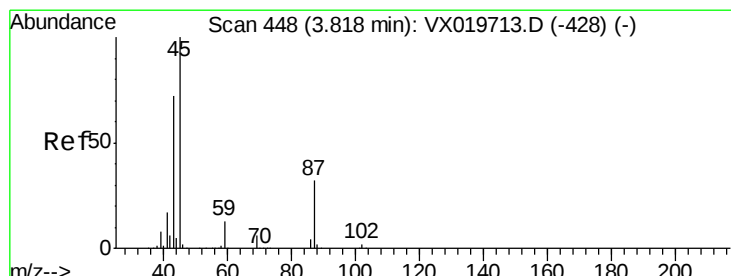
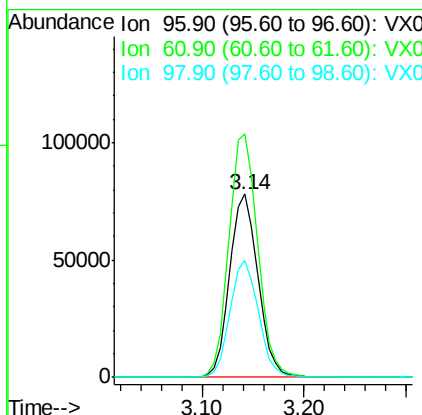
#21
trans-1,2-Dichloroethene
Concen: 51.489 ug/l
RT: 3.14 min Scan# 337
Delta R.T. 0.01 min
Lab File: VX019808.D
Acq: 10 Dec 2020 04:11

Tot Ion	Ratio	Lower	Upper
96	100		
61	133.1	107.7	161.5
98	63.8	50.4	75.6

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

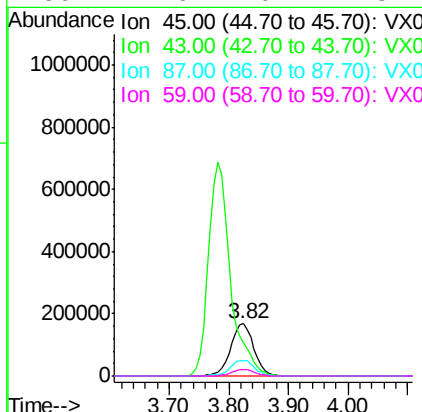
Manual Integrations
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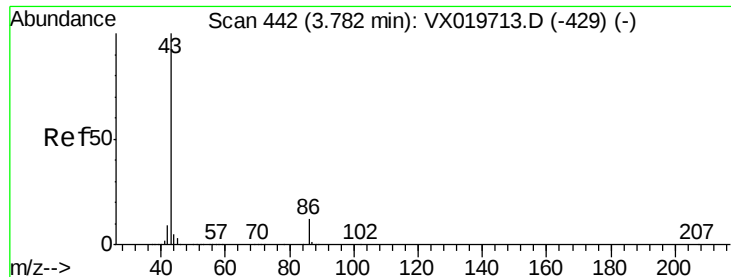
MMDadoda
12/10/2020 9:31:18 AM



#22
Diisopropyl ether
Concen: 53.586 ug/l
RT: 3.82 min Scan# 449
Delta R.T. 0.01 min
Lab File: VX019808.D
Acq: 10 Dec 2020 04:11

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.4	58.0	87.0
87	30.4	25.4	38.0
59	12.6	10.2	15.2





#23

Vinyl Acetate

Concen: 239.815 ug/l

RT: 3.78 min Scan# 442

Delta R.T. -0.00 min

Lab File: VX019808.D

Acq: 10 Dec 2020 04:11

Instrument :

MSVOA_X

ClientSampleId :

TU032-32-5226-120820MSD

Tot Ion: 43 Resp: 1744742

Ion Ratio Lower Upper

43 100

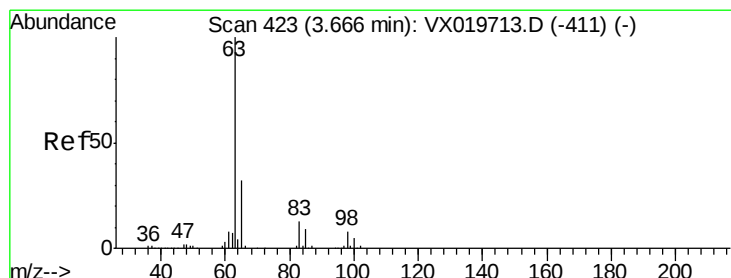
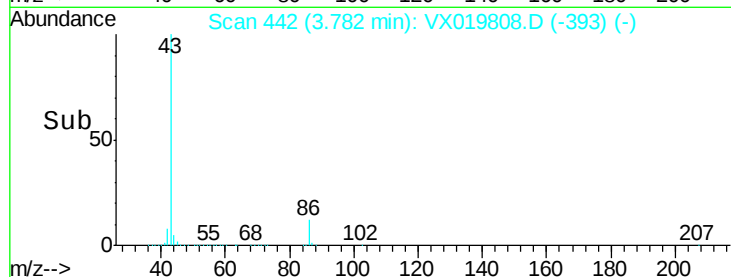
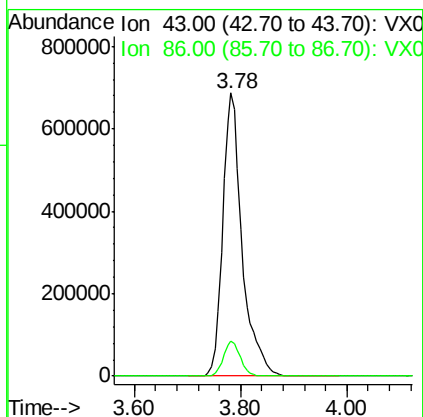
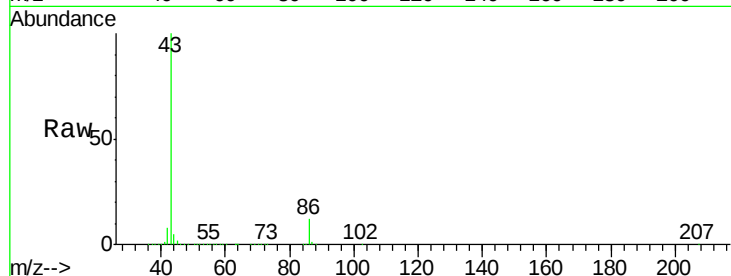
86 12.3 9.9 14.9

Manual Integrations

APPROVED

MMDadoda

12/10/2020 9:31:18 AM



#24

1,1-Dichloroethane

Concen: 52.364 ug/l

RT: 3.67 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX019808.D

Acq: 10 Dec 2020 04:11

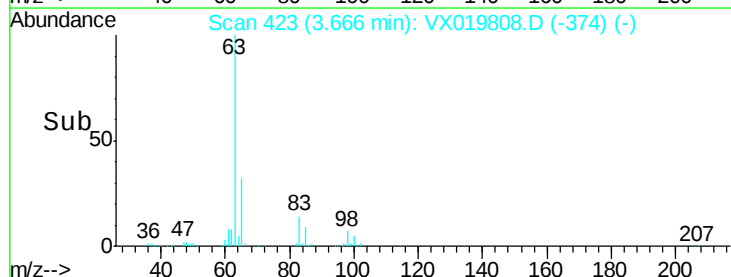
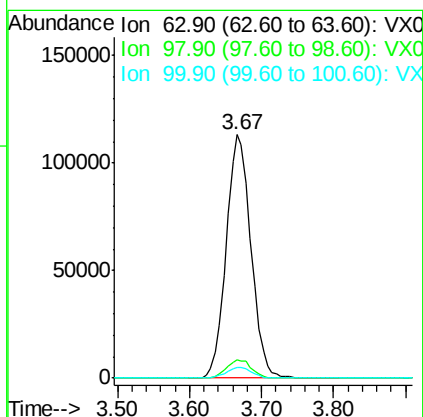
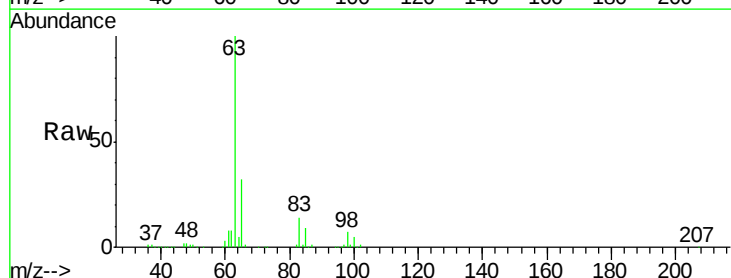
Tgt Ion: 63 Resp: 269653

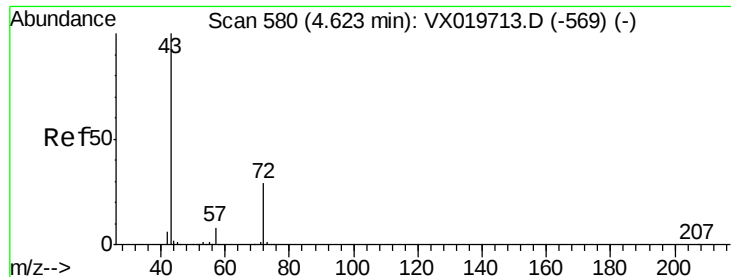
Ion Ratio Lower Upper

63 100

98 7.3 3.8 11.2

100 4.6 2.5 7.5





#25

2-Butanone

Concen: 265.824 ug/l

RT: 4.63 min Scan# 581

Delta R.T. 0.01 min

Lab File: VX019808.D

Acq: 10 Dec 2020 04:11

Instrument :

MSVOA_X

ClientSampleId :

TU032-32-5226-120820MSD

Tot Ion: 43 Resp: 550775

Ion Ratio Lower Upper

43 100

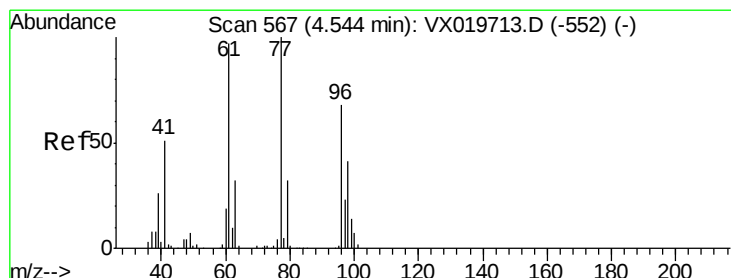
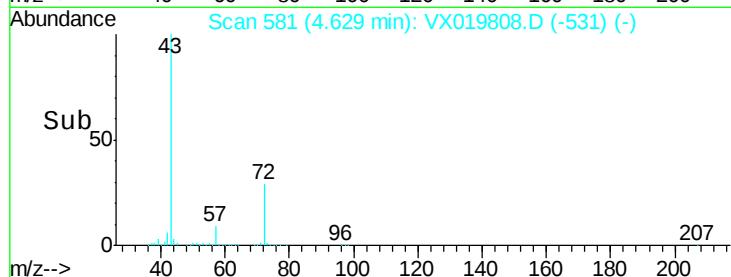
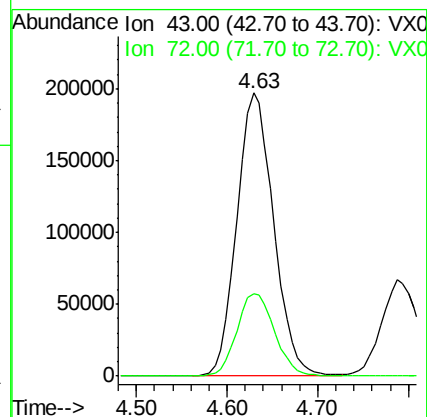
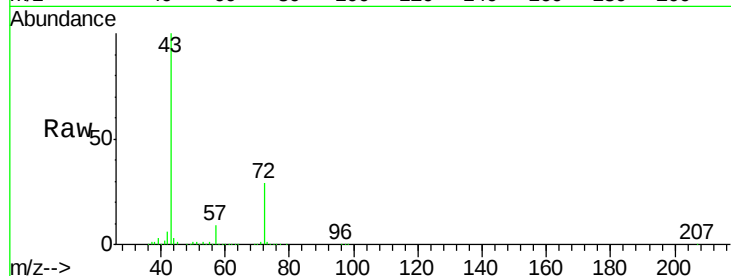
72 29.2 23.7 35.5

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 40.701 ug/l

RT: 4.55 min Scan# 568

Delta R.T. 0.01 min

Lab File: VX019808.D

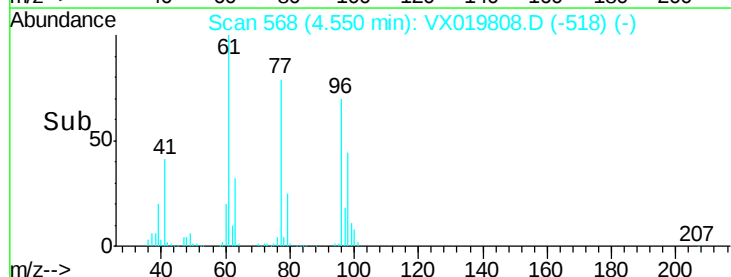
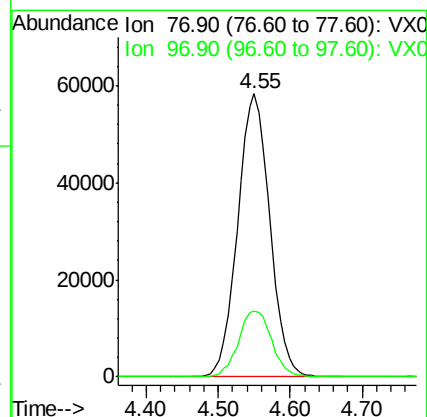
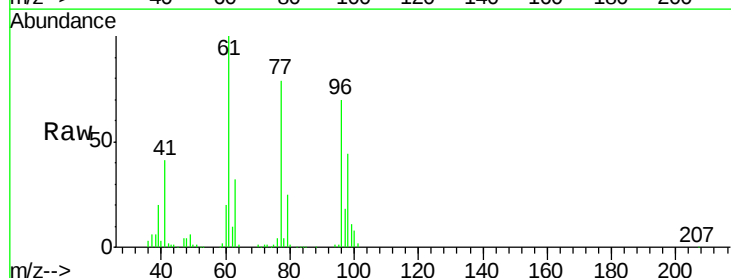
Acq: 10 Dec 2020 04:11

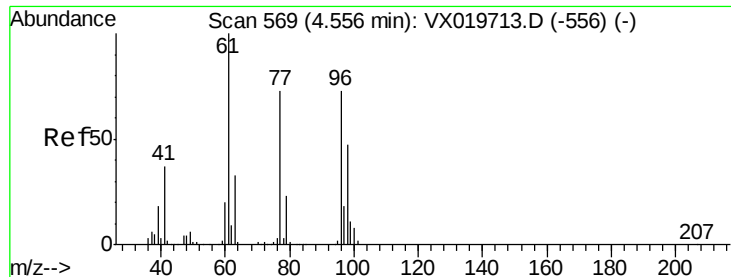
Tgt Ion: 77 Resp: 180497

Ion Ratio Lower Upper

77 100

97 24.1 11.7 35.1





#27

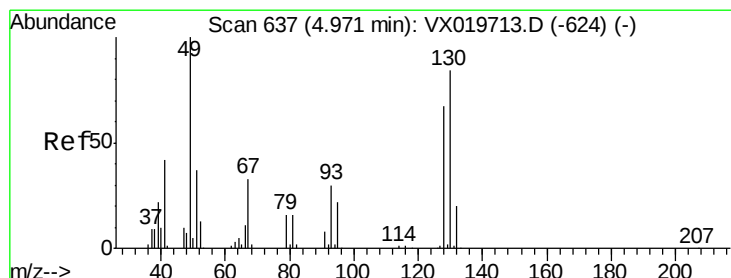
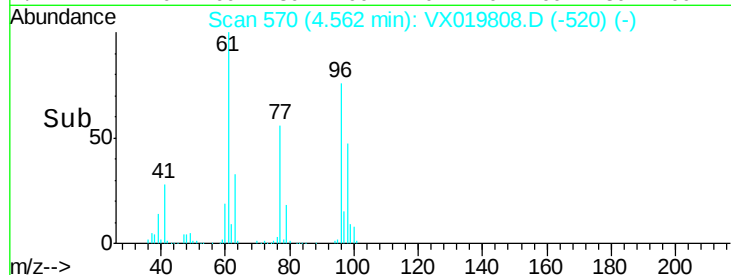
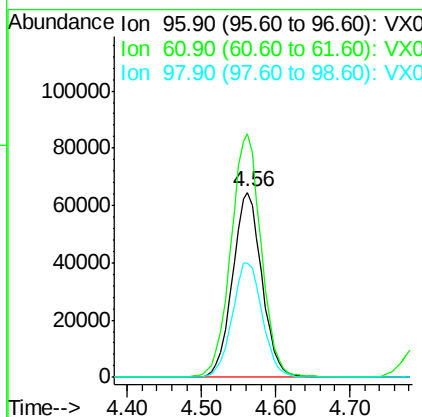
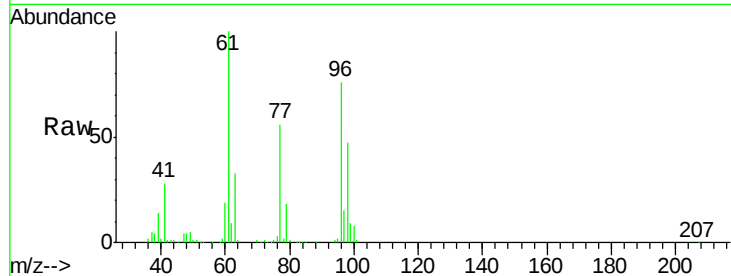
cis-1,2-Dichloroethene
Concen: 52.179 ug/l
RT: 4.56 min Scan# 570
Delta R.T. 0.01 min
Lab File: VX019808.D
Acq: 10 Dec 2020 04:11

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

Tot Ion	Ratio	Resp	Lower	Upper
96	100	178033		
61	136.1	0.0	285.6	
98	63.5	0.0	129.6	

Manual Integrations
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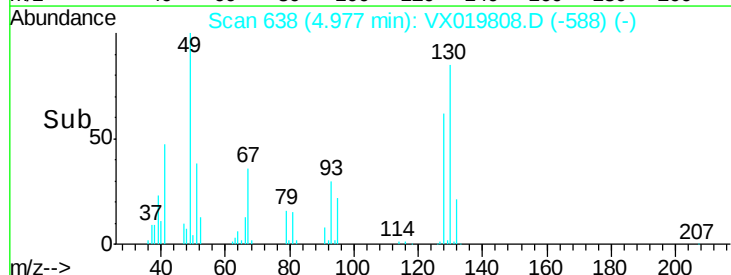
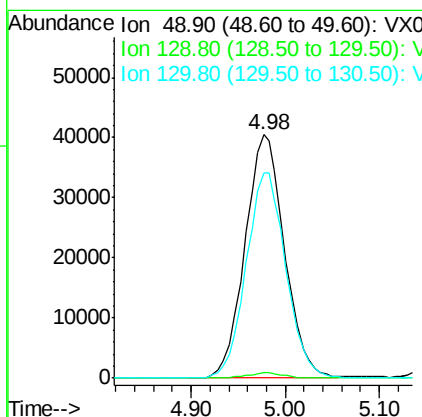
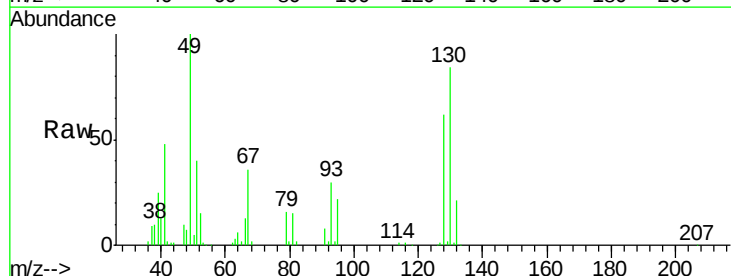
MMDadoda
12/10/2020 9:31:18 AM

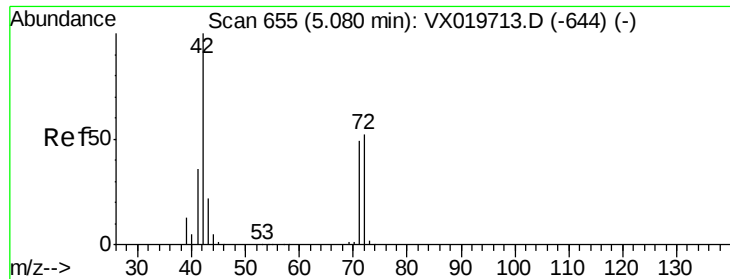


#28

Bromochloromethane
Concen: 48.345 ug/l
RT: 4.98 min Scan# 638
Delta R.T. 0.01 min
Lab File: VX019808.D
Acq: 10 Dec 2020 04:11

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	118680		
129	2.1	0.0	4.0	
130	85.2	68.2	102.2	





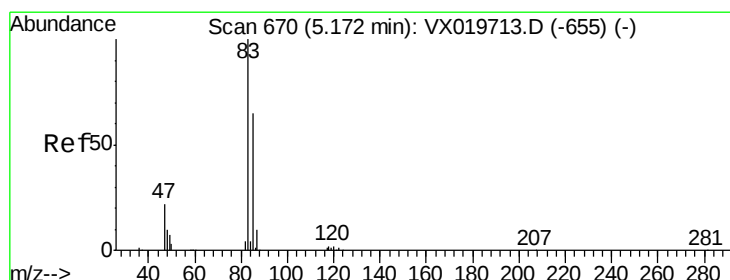
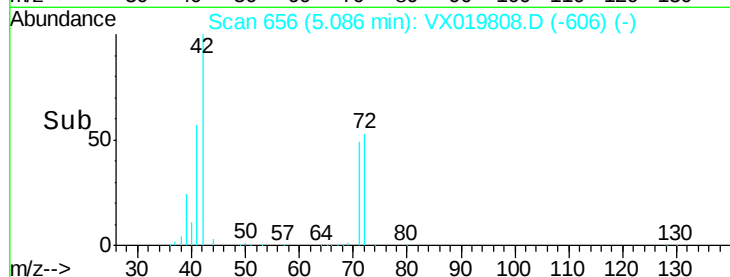
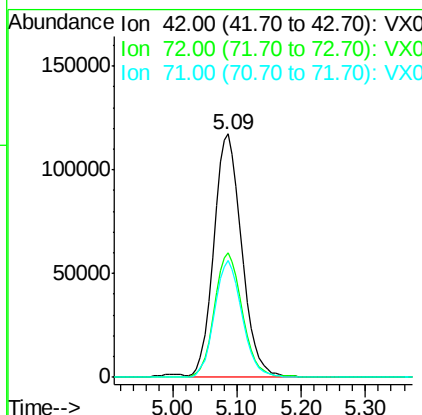
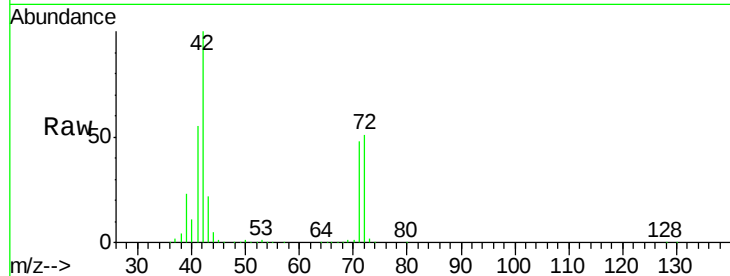
#29
Tetrahydrofuran
Concen: 267.442 ug/l
RT: 5.09 min Scan# 656
Delta R.T. 0.01 min
Lab File: VX019808.D
Acq: 10 Dec 2020 04:11

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

Tot Ion	Ratio	Lower	Upper
42	100		
72	51.8	41.7	62.5
71	47.7	38.4	57.6

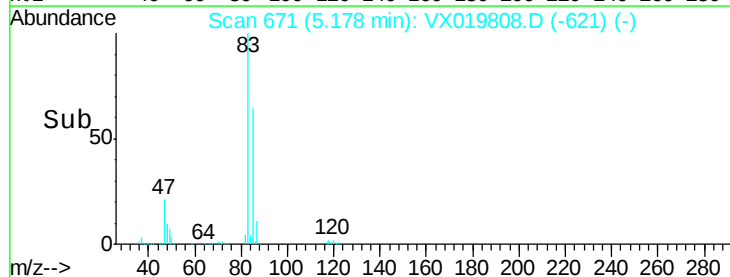
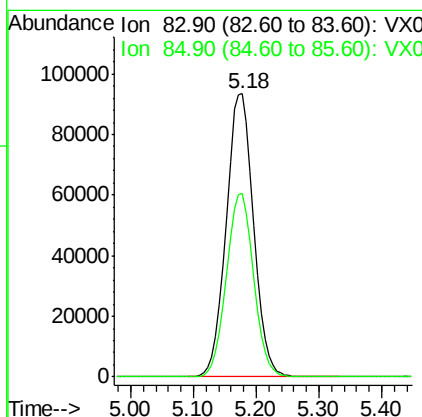
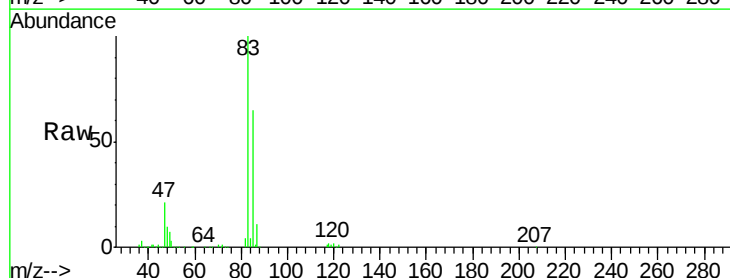
Manual Integrations
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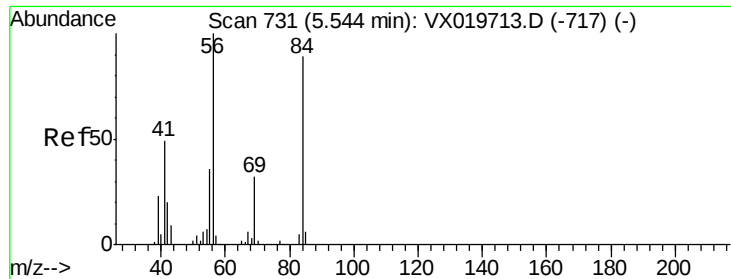
MMDadoda
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#30
Chloroform
Concen: 53.262 ug/l
RT: 5.18 min Scan# 671
Delta R.T. 0.01 min
Lab File: VX019808.D
Acq: 10 Dec 2020 04:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	52.0	78.0





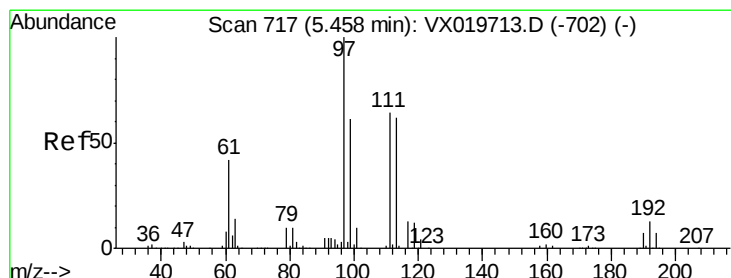
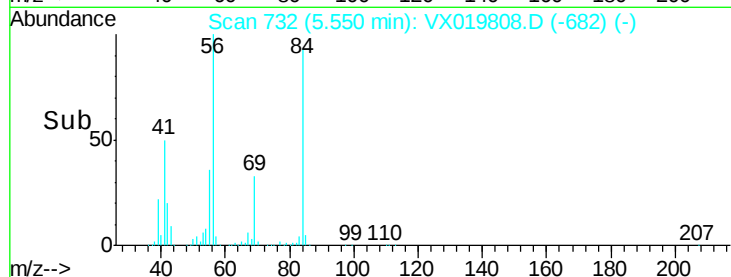
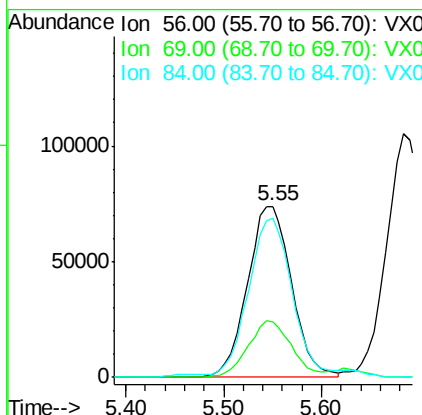
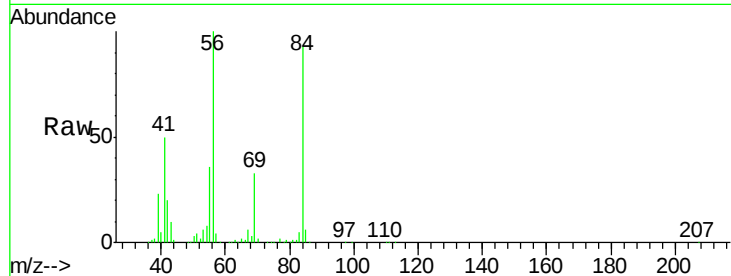
#31
Cyclohexane
Concen: 51.823 ug/l
RT: 5.55 min Scan# 732
Delta R.T. 0.01 min
Lab File: VX019808.D
Acq: 10 Dec 2020 04:11

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

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.5	25.3	37.9
84	91.5	71.4	107.0

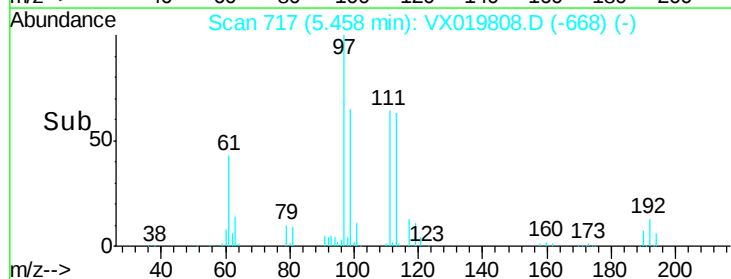
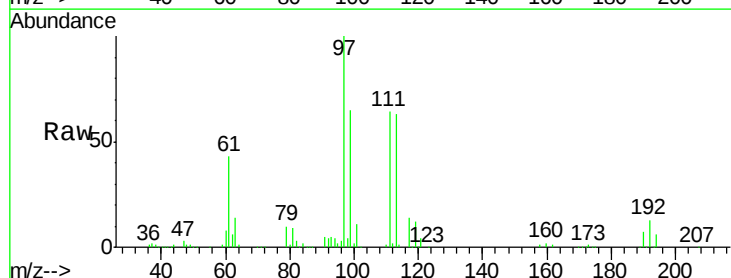
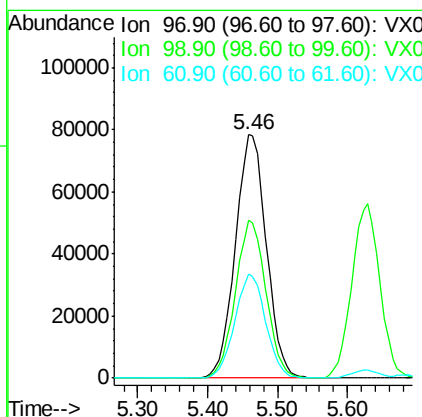
Manual Integrations
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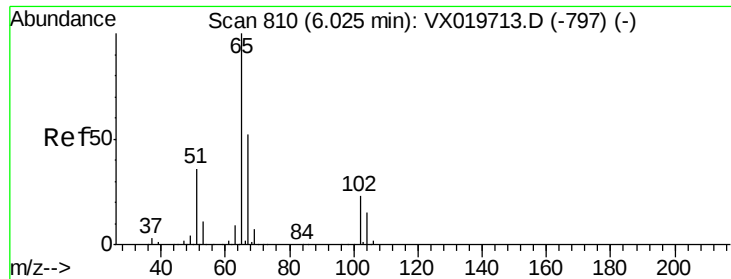
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#32
1,1,1-Trichloroethane
Concen: 52.977 ug/l
RT: 5.46 min Scan# 717
Delta R.T. -0.00 min
Lab File: VX019808.D
Acq: 10 Dec 2020 04:11

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.5	77.3
61	42.6	34.2	51.4





#33

1,2-Dichloroethane-d4

Concen: 47.360 ug/l

RT: 6.03 min Scan# 810

Delta R.T. -0.00 min

Lab File: VX019808.D

Acq: 10 Dec 2020 04:11

Instrument :

MSVOA_X

ClientSampleId :

TU032-32-5226-120820MSD

Tot Ion: 65 Resp: 169896

Ion Ratio Lower Upper

65 100

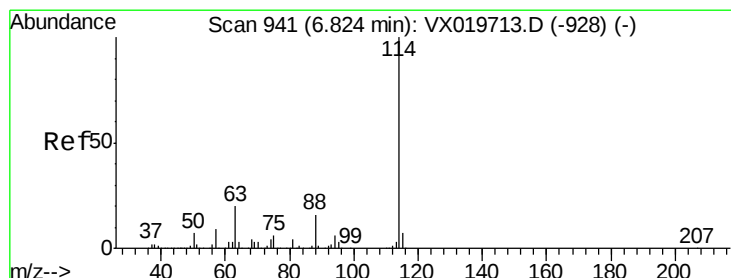
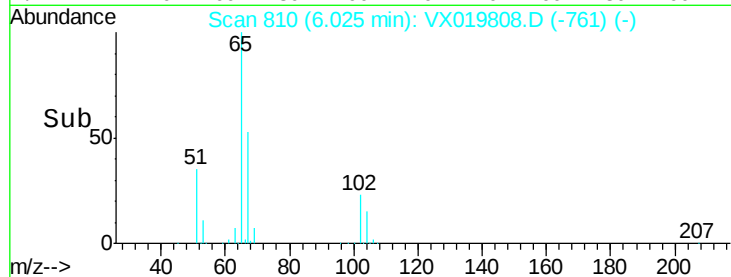
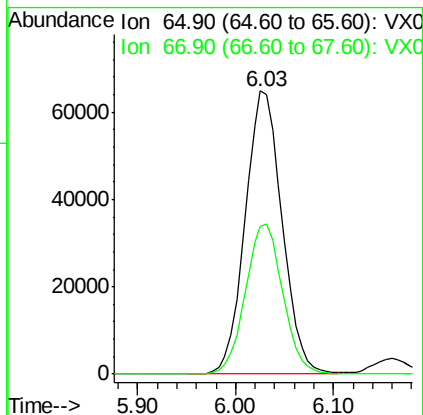
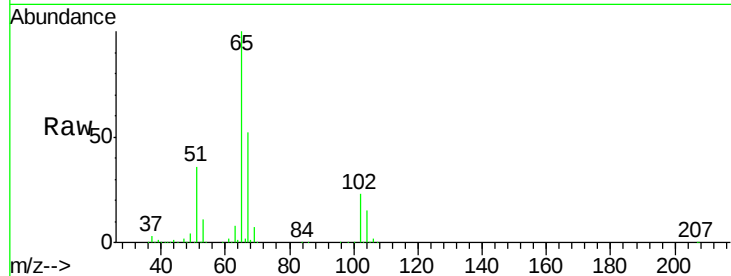
67 53.5 0.0 105.4

Manual Integrations

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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: VX019808.D

Acq: 10 Dec 2020 04:11

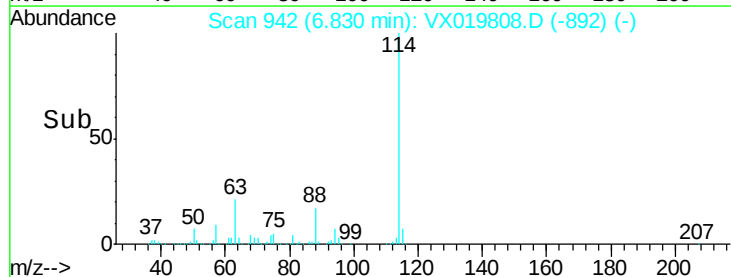
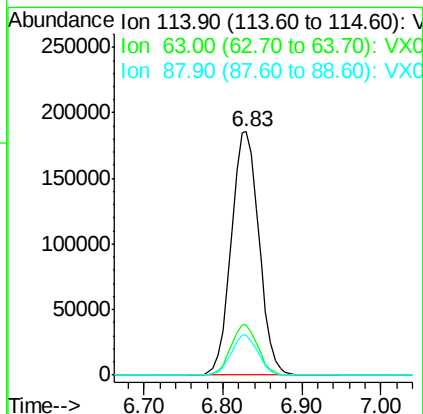
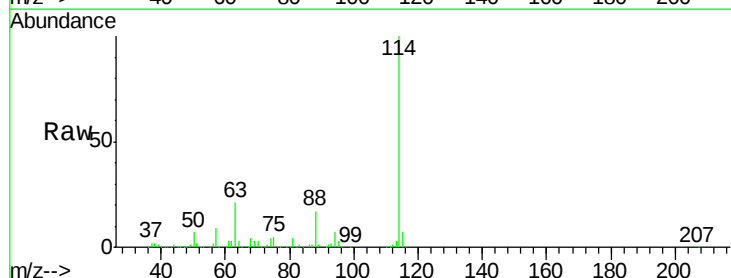
Tgt Ion: 114 Resp: 452652

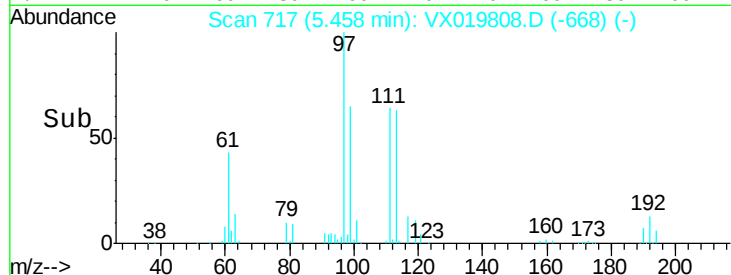
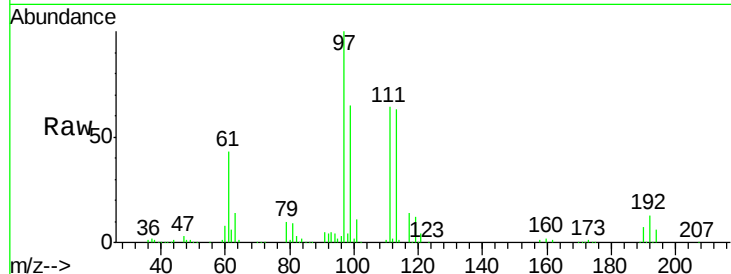
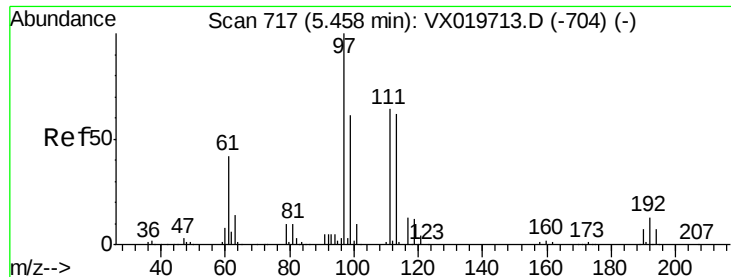
Ion Ratio Lower Upper

114 100

63 20.7 0.0 40.8

88 16.6 0.0 32.8





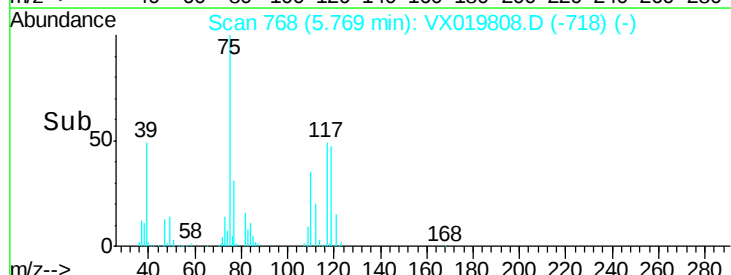
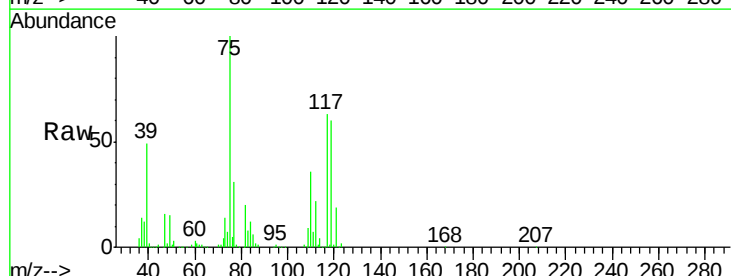
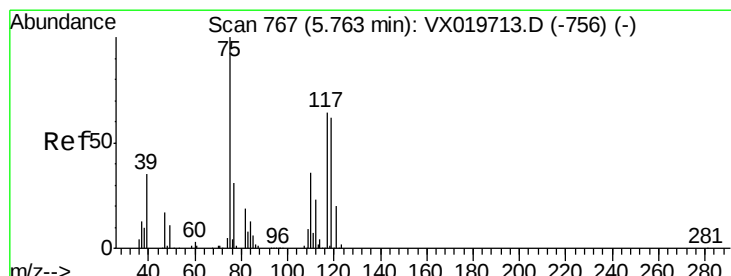
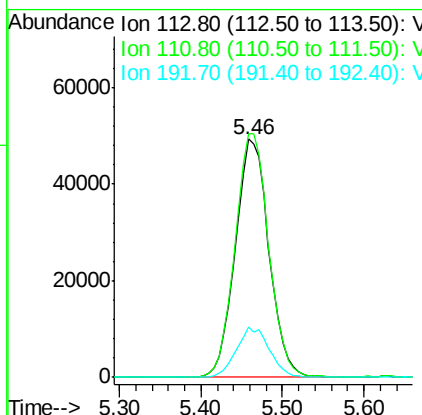
#35
Dibromofluoromethane
Concen: 48.129 ug/l
RT: 5.46 min Scan# 717
Delta R.T. -0.00 min
Lab File: VX019808.D
Acq: 10 Dec 2020 04:11

Tot Ion	Ratio	Resp	Lower	Upper
113	100	140799		
111	102.7	81.9	122.9	
192	20.7	16.7	25.1	

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

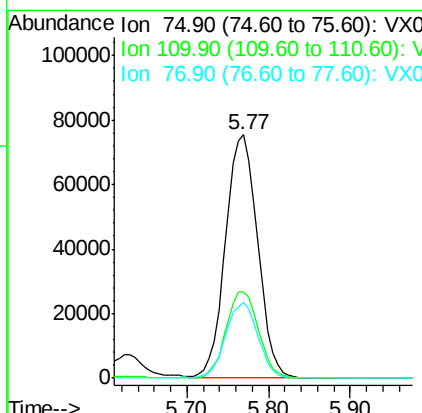
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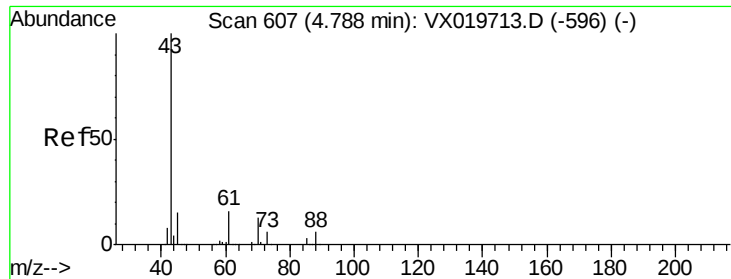
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#36
1,1-Dichloropropene
Concen: 50.327 ug/l
RT: 5.77 min Scan# 768
Delta R.T. 0.01 min
Lab File: VX019808.D
Acq: 10 Dec 2020 04:11

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	205852		
110	35.9	18.1	54.4	
77	31.0	25.3	37.9	





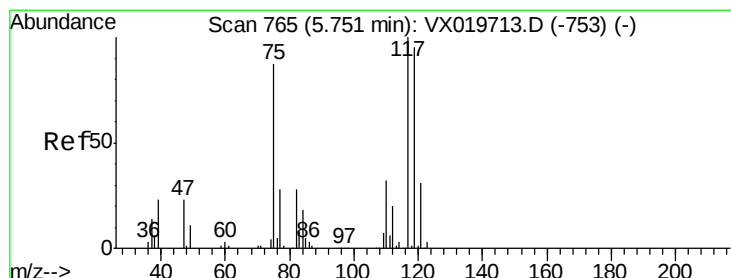
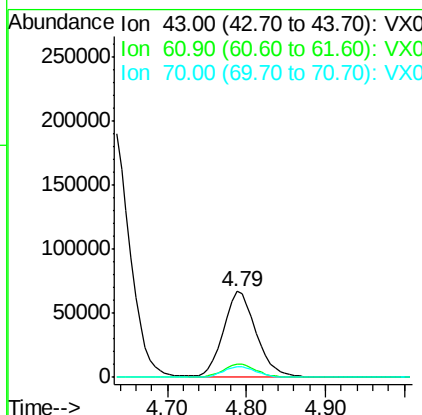
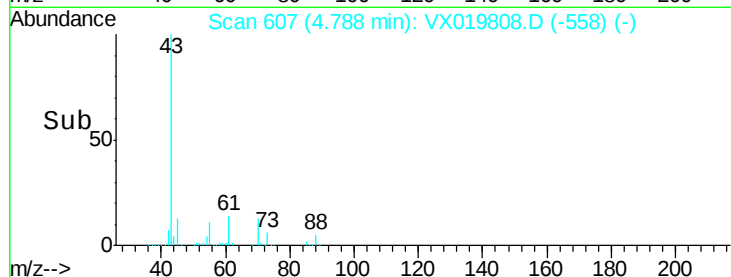
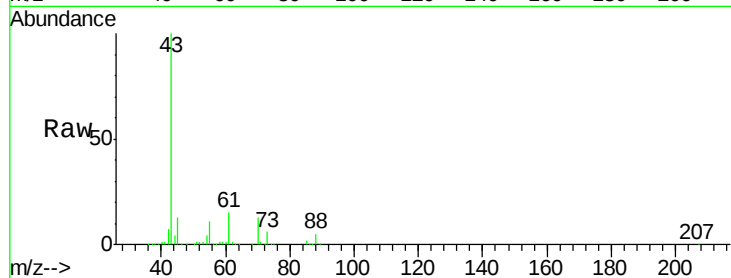
#37
Ethyl Acetate
Concen: 46.685 ug/l
RT: 4.79 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX019808.D
Acq: 10 Dec 2020 04:11

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

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

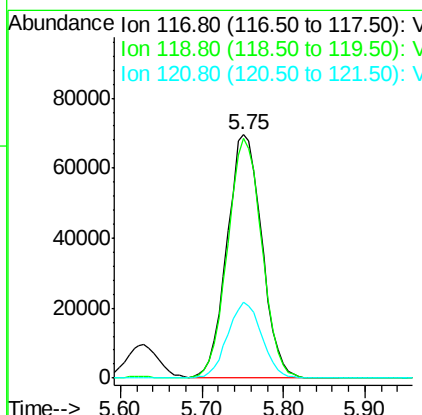
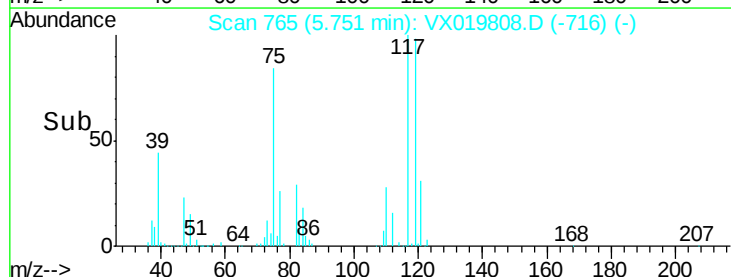
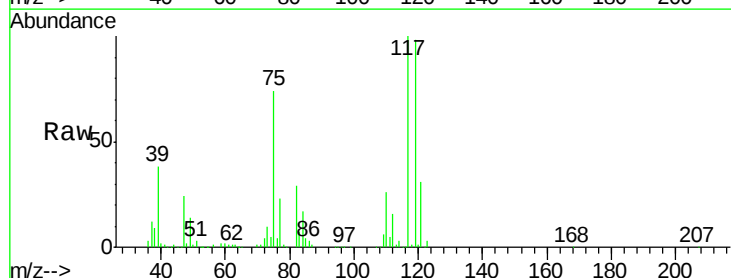
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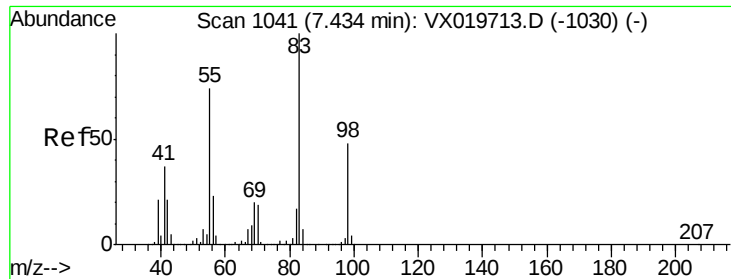
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#38
Carbon Tetrachloride
Concen: 51.128 ug/l
RT: 5.75 min Scan# 765
Delta R.T. -0.00 min
Lab File: VX019808.D
Acq: 10 Dec 2020 04:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.4	76.2	114.2
121	31.4	24.8	37.2





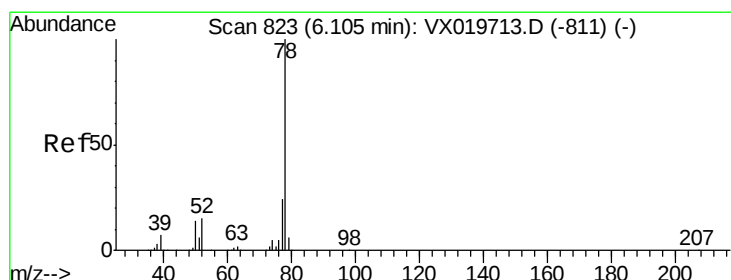
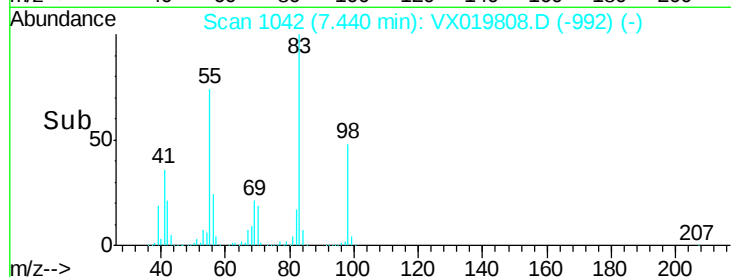
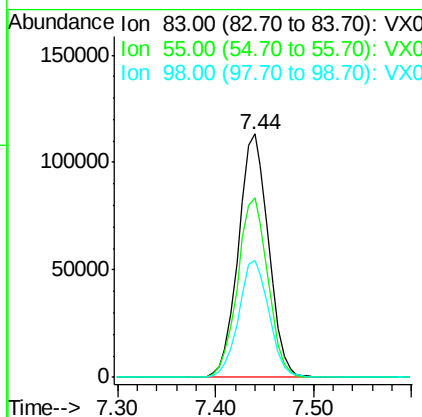
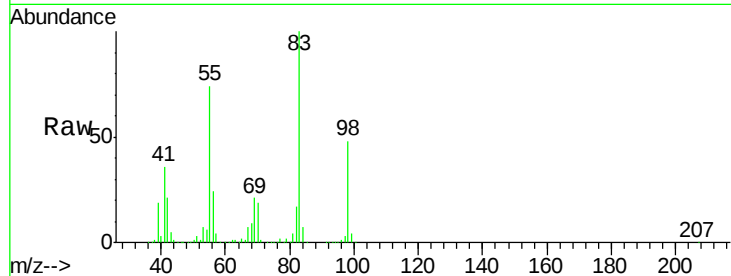
#39
Methvlcvclohexane
Concen: 50.280 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. 0.01 min
Lab File: VX019808.D
Acq: 10 Dec 2020 04:11

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

Tot Ion	Ratio	Resp	Lower	Upper
83	100	241628		
55	73.9		58.9	88.3
98	47.8		38.1	57.1

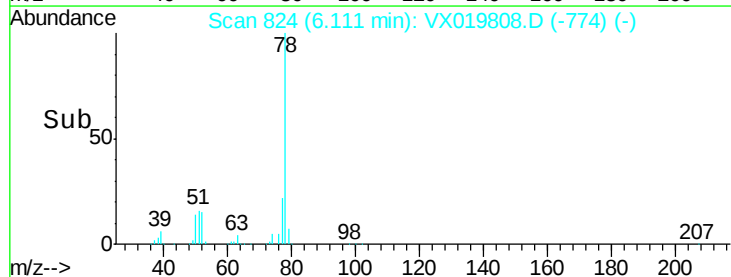
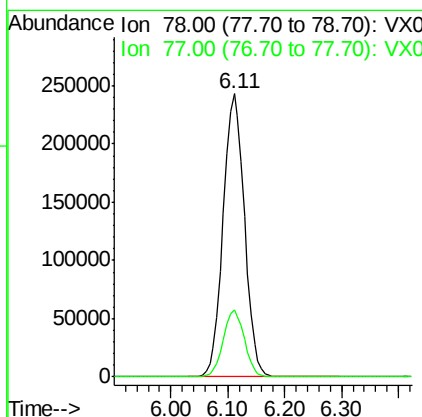
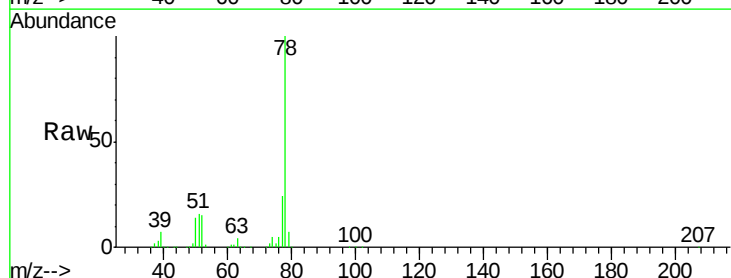
Manual Integrations
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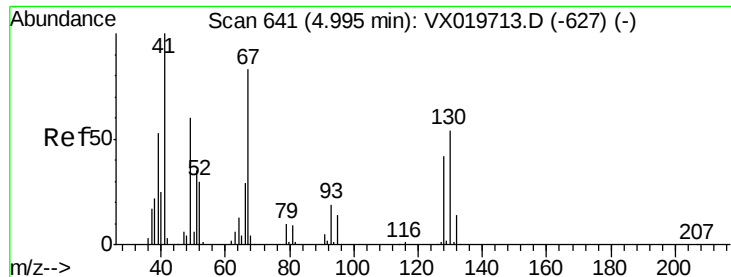
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#40
Benzene
Concen: 50.744 ug/l
RT: 6.11 min Scan# 824
Delta R.T. 0.01 min
Lab File: VX019808.D
Acq: 10 Dec 2020 04:11

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	634037		
77	23.6		18.9	28.3





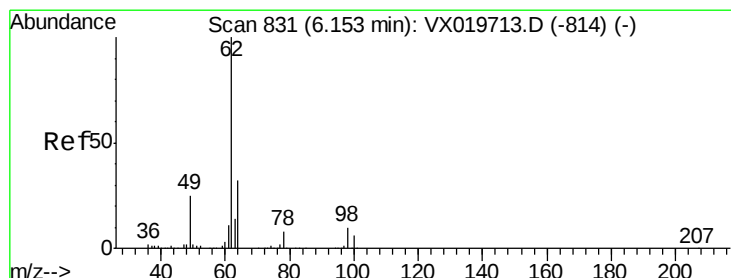
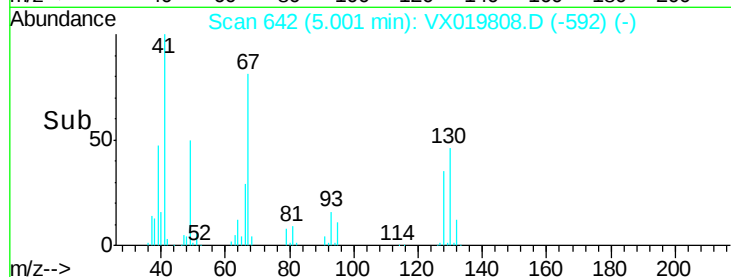
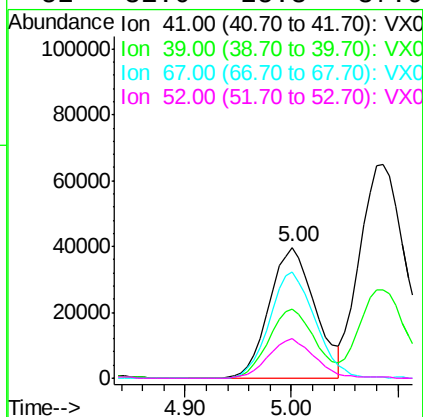
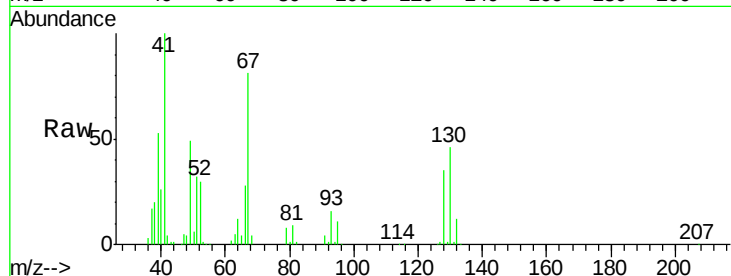
#41
Methacrylonitrile
Concen: 52.235 ug/l
RT: 5.00 min Scan# 642
Delta R.T. 0.01 min
Lab File: VX019808.D
Acq: 10 Dec 2020 04:11

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

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.3	42.5	63.7	
67	81.4	65.0	97.6	
52	31.0	25.3	37.9	

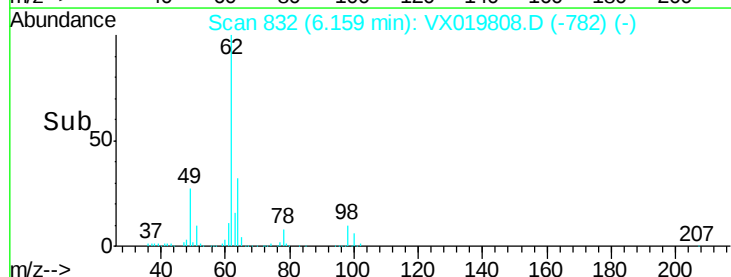
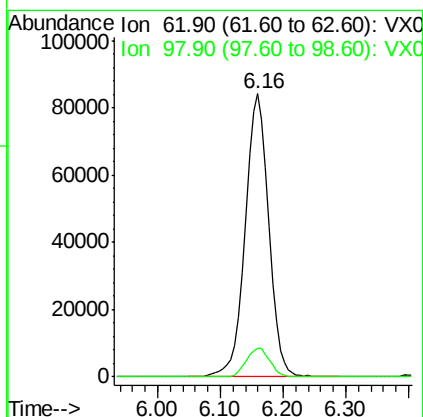
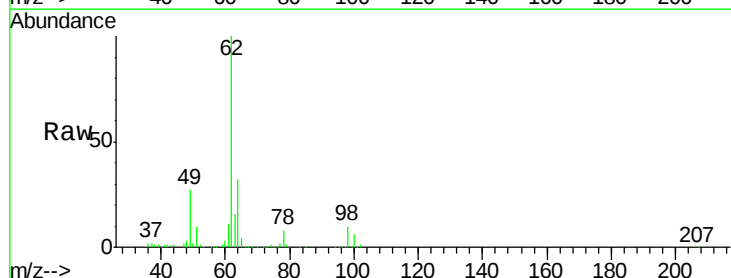
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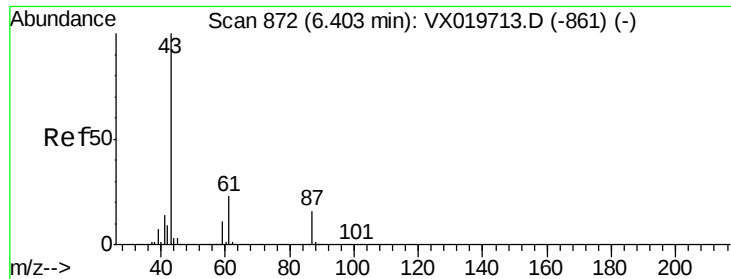
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12/10/2020 9:31:18 AM



#42
1,2-Dichloroethane
Concen: 51.124 ug/l
RT: 6.16 min Scan# 832
Delta R.T. 0.01 min
Lab File: VX019808.D
Acq: 10 Dec 2020 04:11

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.2	0.0	20.2	





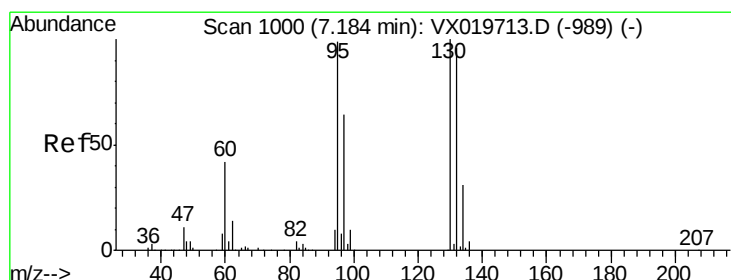
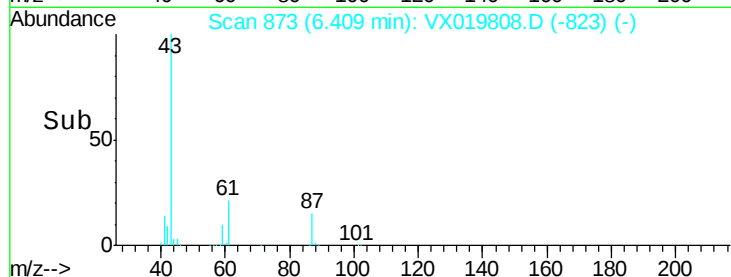
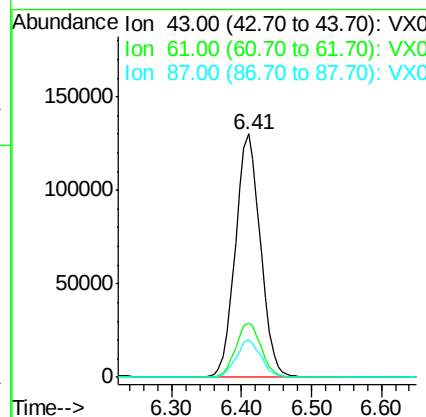
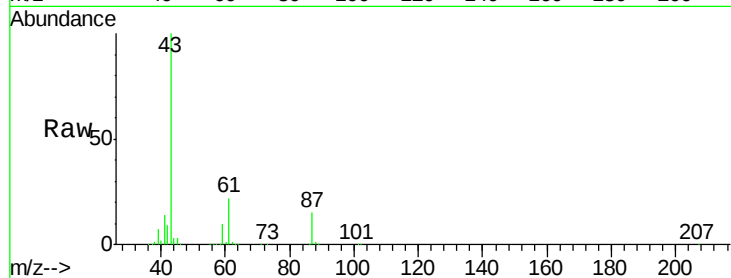
#43
Isopropyl Acetate
Concen: 48.003 ug/l
RT: 6.41 min Scan# 873
Delta R.T. 0.01 min
Lab File: VX019808.D
Acq: 10 Dec 2020 04:11

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

Tot Ion	Ratio	Lower	Upper
43	100		
61	22.9	18.2	27.4
87	15.3	12.5	18.7

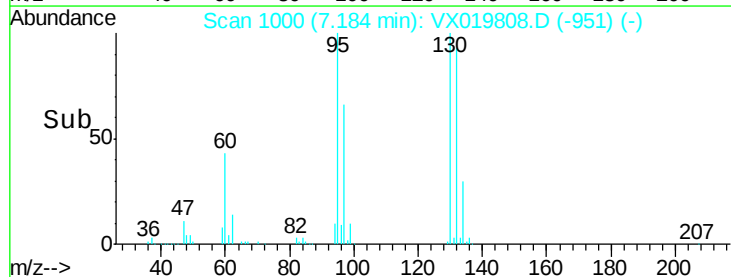
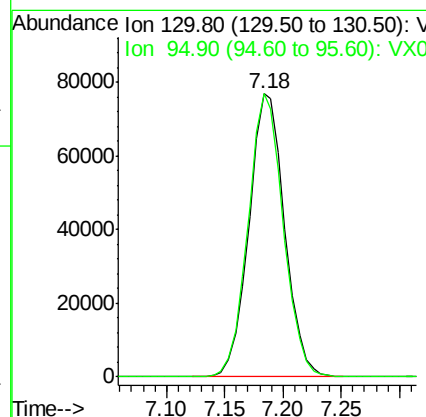
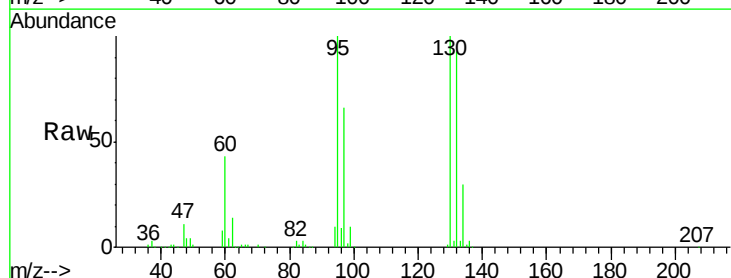
Manual Integrations
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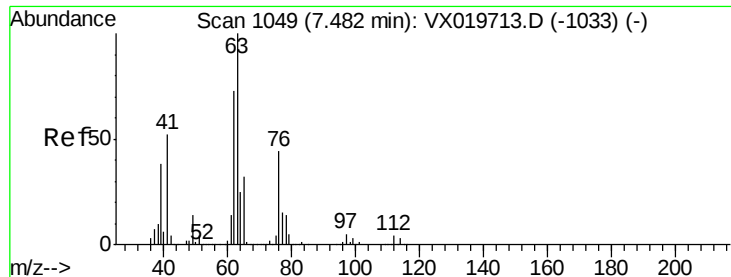
MMDadoda
12/10/2020 9:31:18 AM



#44
Trichloroethene
Concen: 49.854 ug/l
RT: 7.18 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VX019808.D
Acq: 10 Dec 2020 04:11

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.0	0.0	198.0





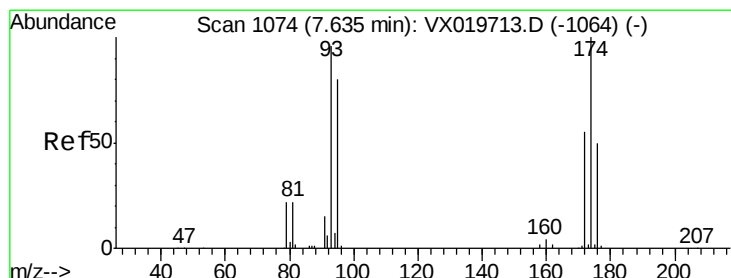
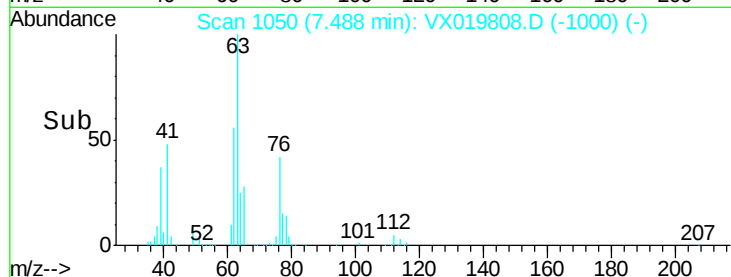
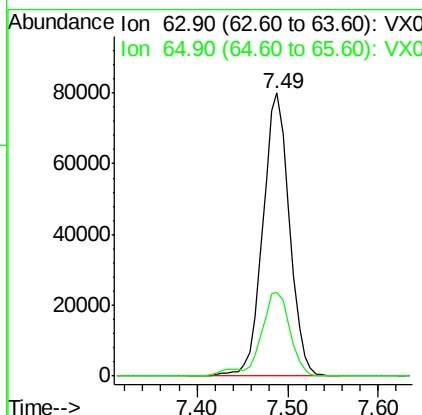
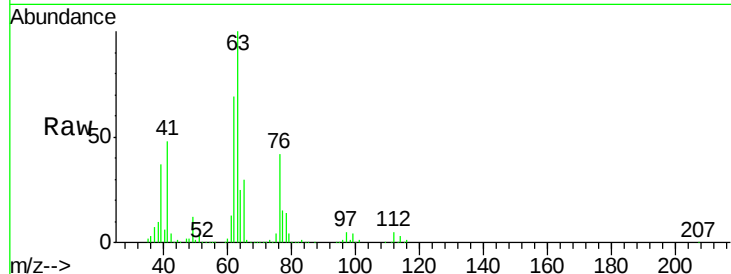
#45
 1,2-Dichloropropane
 Concen: 51.876 ug/l
 RT: 7.49 min Scan# 1050
 Delta R.T. 0.01 min
 Lab File: VX019808.D
 Acq: 10 Dec 2020 04:11

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

Tot Ion: 63 Resp: 161998
 Ion Ratio Lower Upper
 63 100
 65 29.6 25.7 38.5

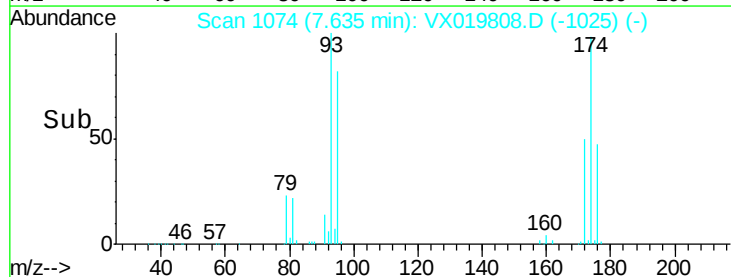
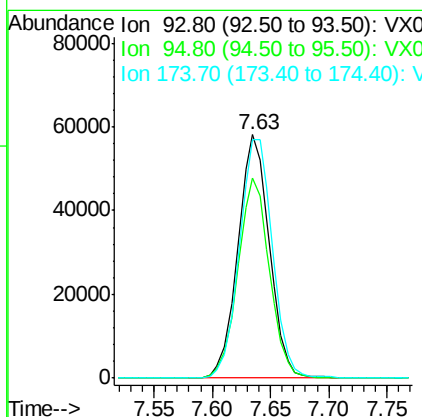
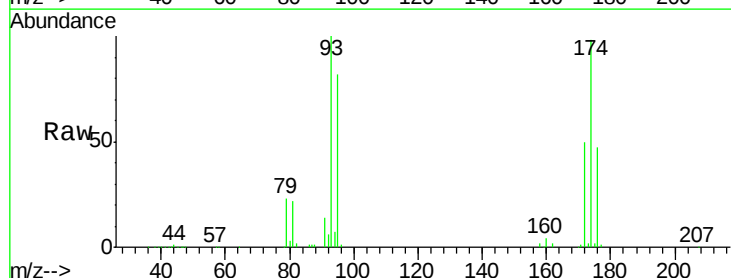
Manual Integrations
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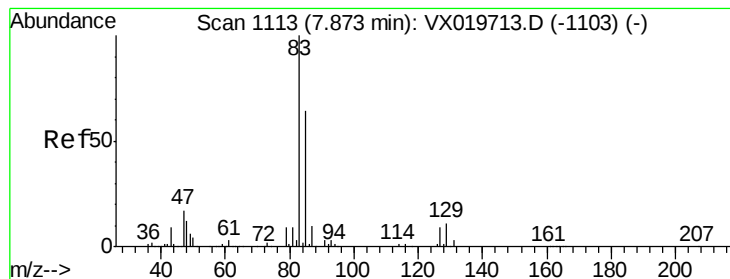
MMDadoda
 12/10/2020 9:31:18 AM



#46
 Dibromomethane
 Concen: 51.884 ug/l
 RT: 7.63 min Scan# 1074
 Delta R.T. -0.00 min
 Lab File: VX019808.D
 Acq: 10 Dec 2020 04:11

Tgt Ion: 93 Resp: 109415
 Ion Ratio Lower Upper
 93 100
 95 82.4 66.8 100.2
 174 103.2 83.1 124.7





#47

Bromodichloromethane

Concen: 51.867 ug/l

RT: 7.87 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VX019808.D

Acq: 10 Dec 2020 04:11

Instrument :

MSVOA_X

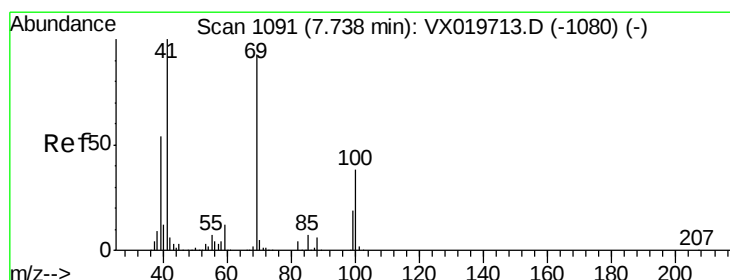
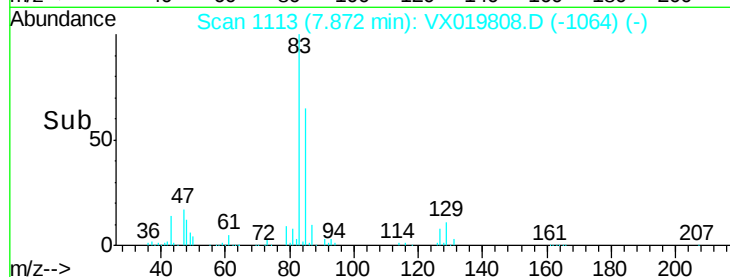
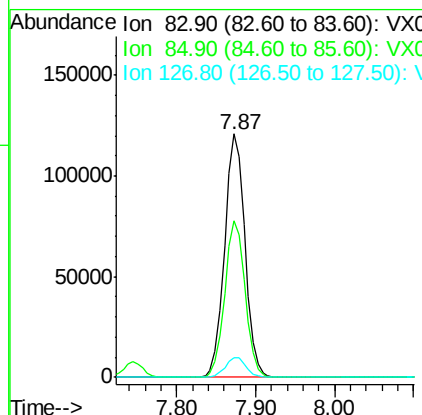
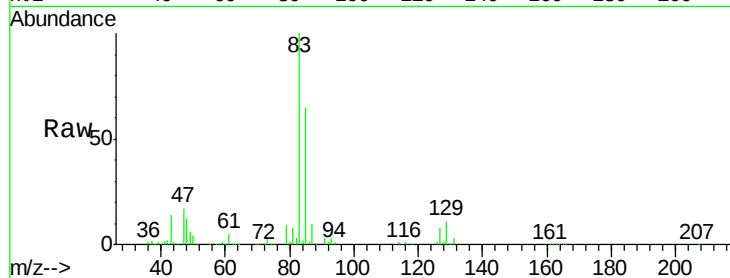
ClientSampleId :

TU032-32-5226-120820MSD

Tot Ion:	83	Resp:	217045
Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.4	77.0
127	8.2	6.8	10.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 51.497 ug/l

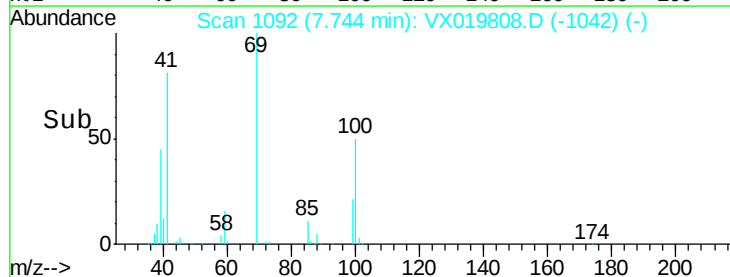
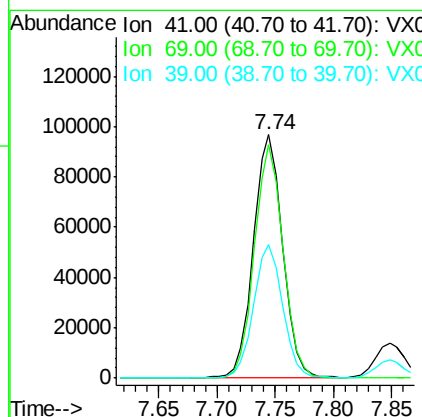
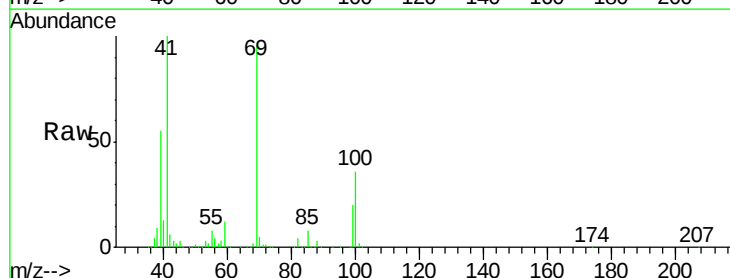
RT: 7.74 min Scan# 1092

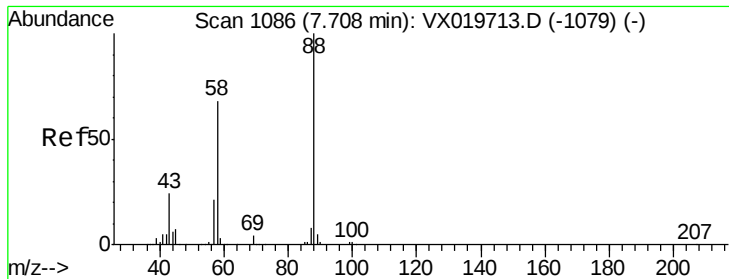
Delta R.T. 0.01 min

Lab File: VX019808.D

Acq: 10 Dec 2020 04:11

Tgt Ion:	41	Resp:	170051
Ion	Ratio	Lower	Upper
41	100		
69	94.4	76.0	114.0
39	54.9	44.6	67.0





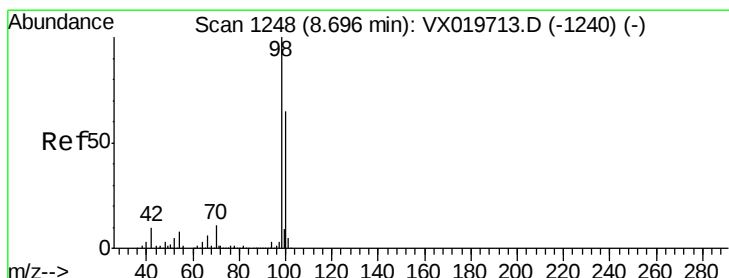
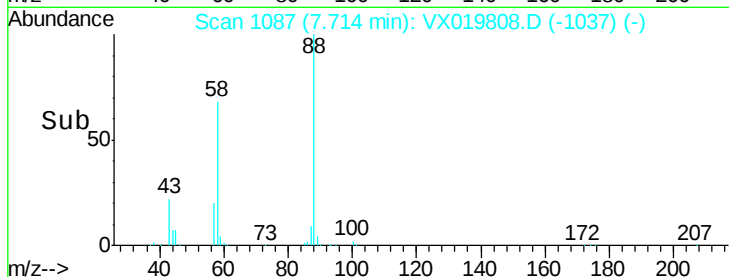
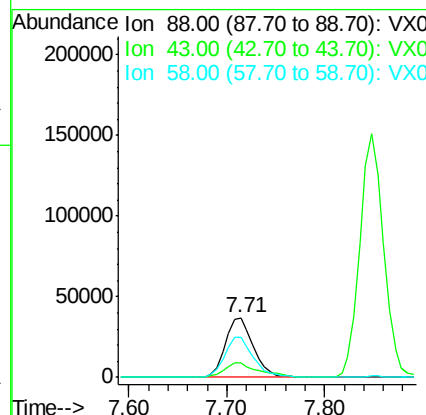
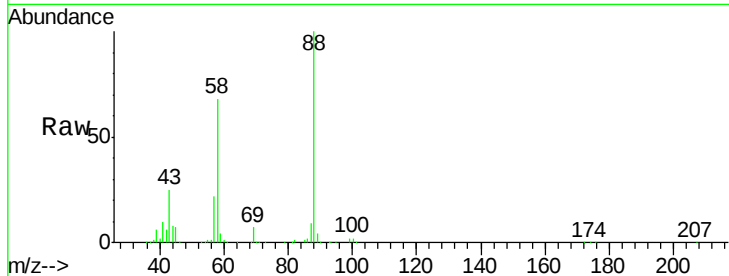
#49
1,4-Dioxane
Concen: 918.595 ug/l
RT: 7.71 min Scan# 1087
Delta R.T. 0.01 min
Lab File: VX019808.D
Acq: 10 Dec 2020 04:11

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

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.8	23.2	34.8
58	70.1	55.0	82.4

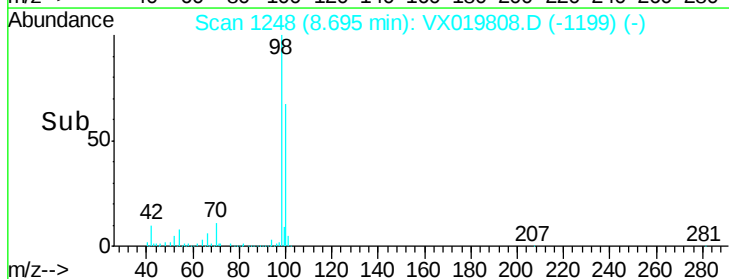
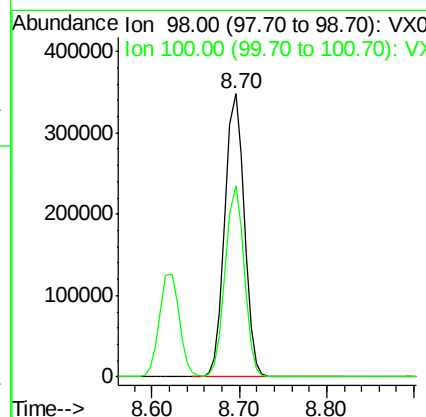
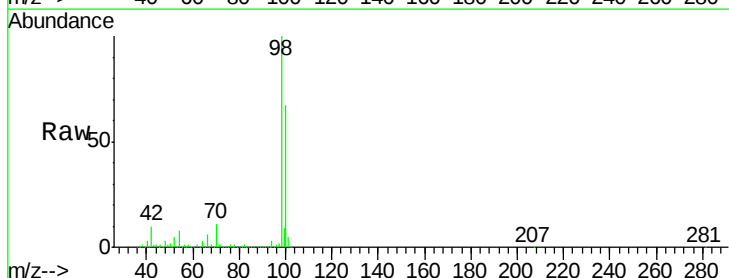
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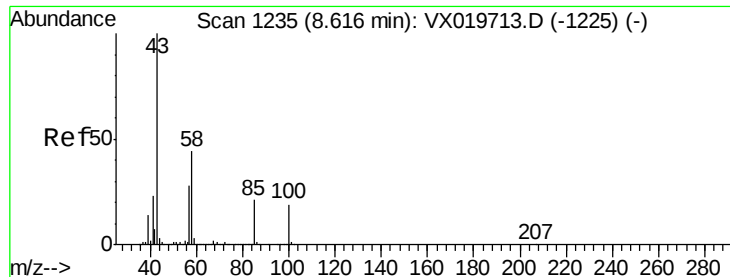
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#50
Toluene-d8
Concen: 47.934 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX019808.D
Acq: 10 Dec 2020 04:11

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.2	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 263.782 ug/l

RT: 8.62 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VX019808.D

Acq: 10 Dec 2020 04:11

Instrument :

MSVOA_X

ClientSampleId :

TU032-32-5226-120820MSD

Tot Ion: 43 Resp: 1081323

Ion Ratio Lower Upper

43 100

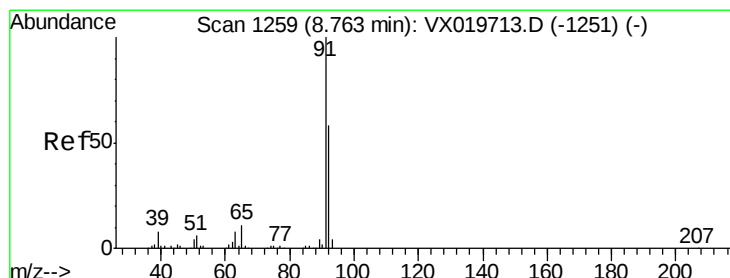
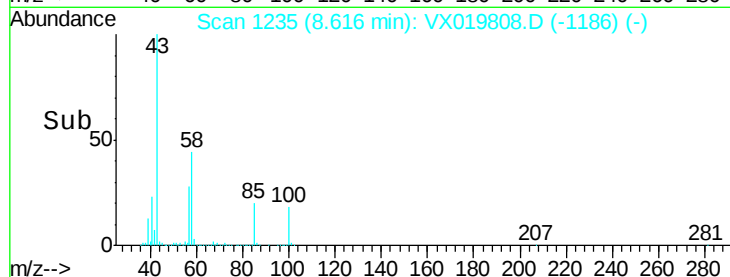
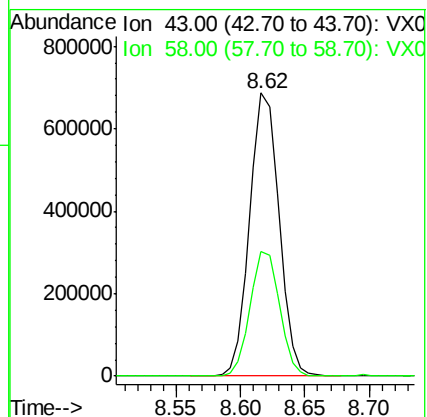
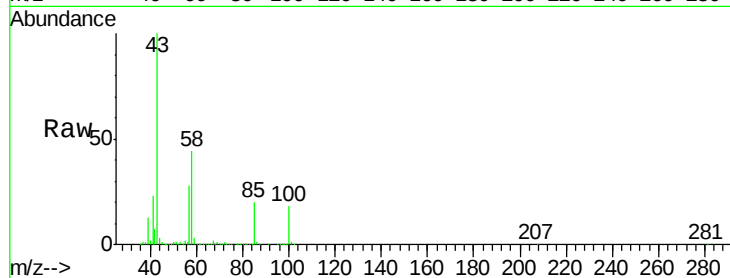
58 44.2 35.4 53.0

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#52

Toluene

Concen: 50.839 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VX019808.D

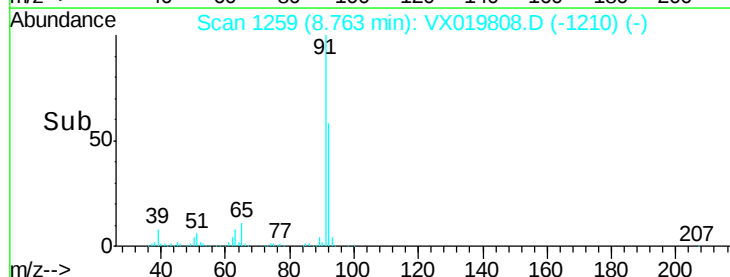
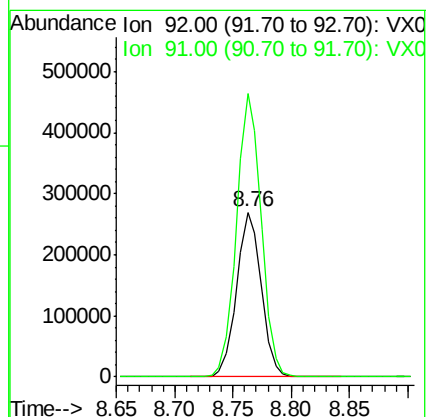
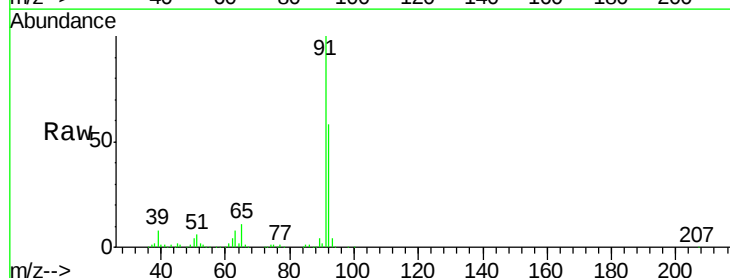
Acq: 10 Dec 2020 04:11

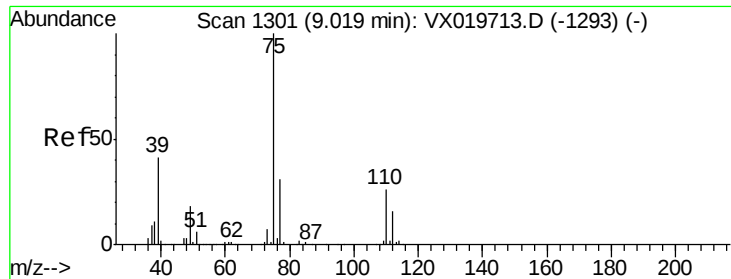
Tgt Ion: 92 Resp: 397289

Ion Ratio Lower Upper

92 100

91 172.4 137.1 205.7





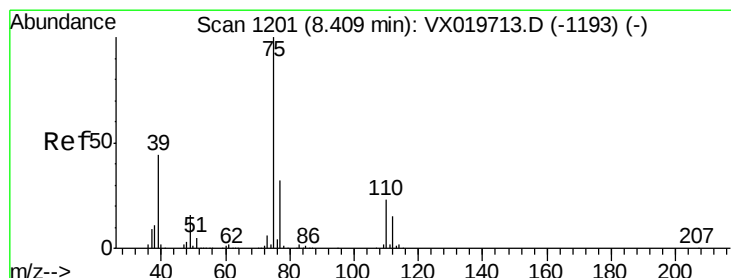
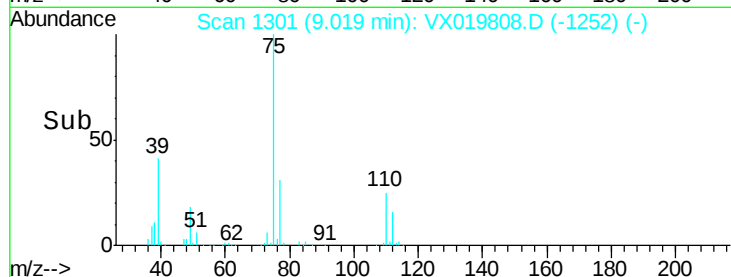
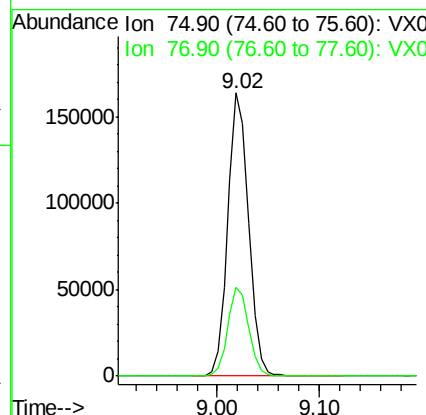
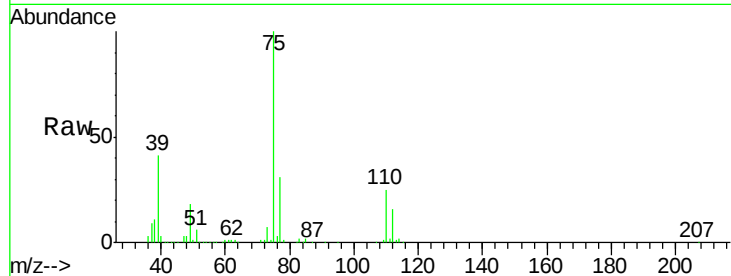
#53
 t-1,3-Dichloropropene
 Concen: 49.678 ug/l
 RT: 9.02 min Scan# 1301
 Delta R.T. -0.00 min
 Lab File: VX019808.D
 Acq: 10 Dec 2020 04:11

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

Tot Ion: 75 Resp: 230689
 Ion Ratio Lower Upper
 75 100
 77 31.2 24.9 37.3

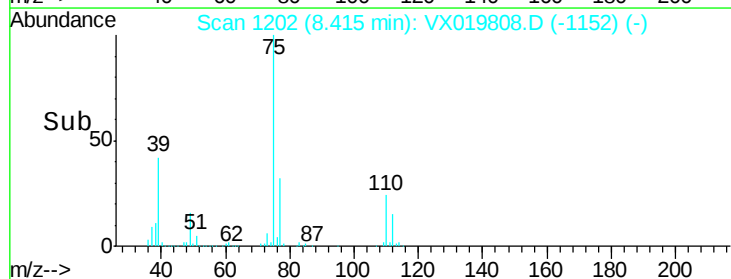
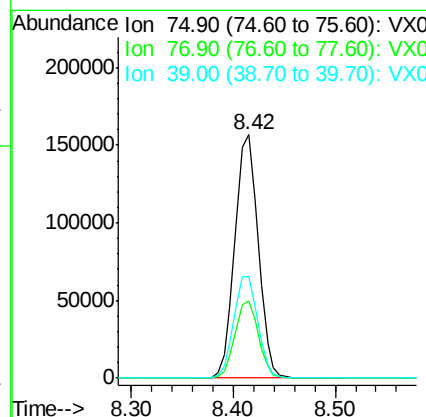
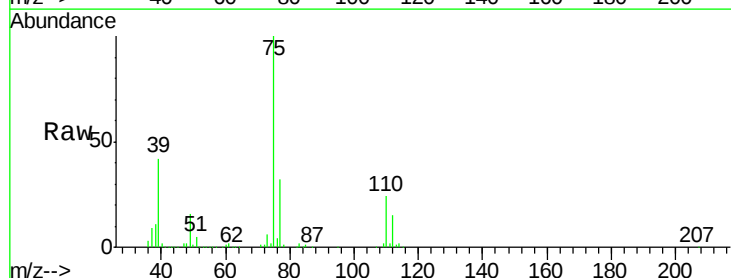
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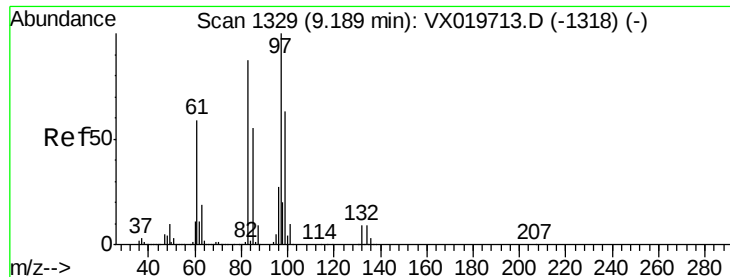
MMDadoda
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#54
 cis-1,3-Dichloropropene
 Concen: 49.118 ug/l
 RT: 8.42 min Scan# 1202
 Delta R.T. 0.01 min
 Lab File: VX019808.D
 Acq: 10 Dec 2020 04:11

Tgt Ion: 75 Resp: 247793
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.7 38.5
 39 41.7 35.1 52.7





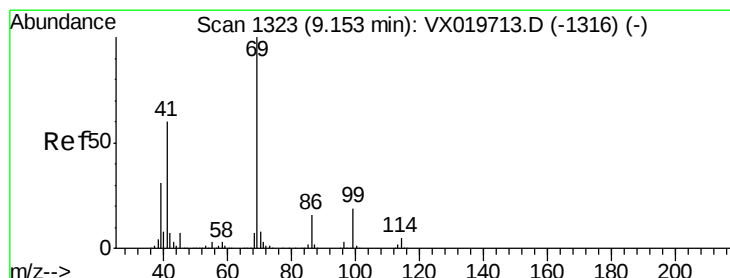
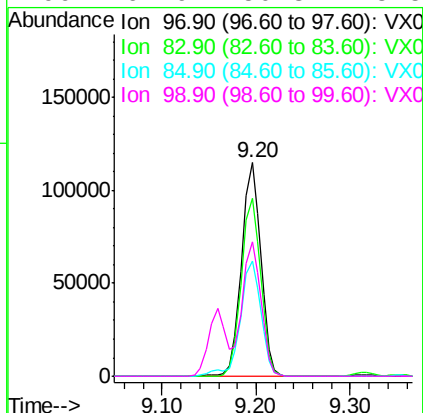
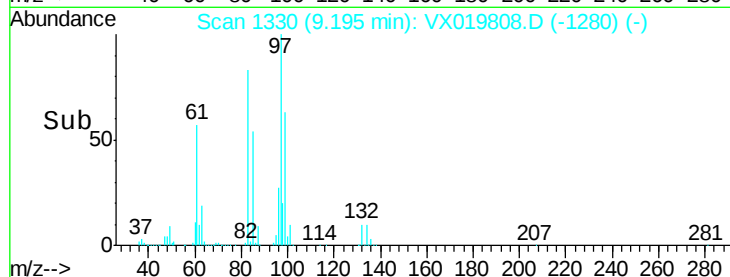
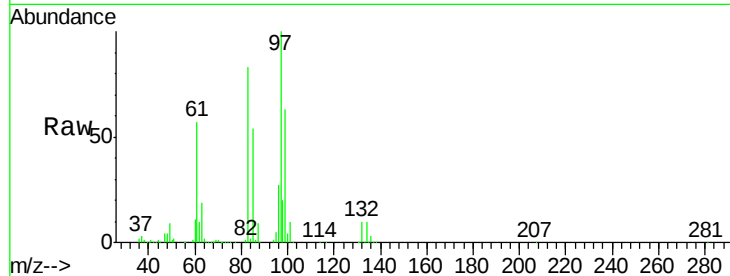
#55
 1,1,2-Trichloroethane
 Concen: 52.461 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. 0.01 min
 Lab File: VX019808.D
 Acq: 10 Dec 2020 04:11

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

Tot Ion:	97	Resp:	165211
Ion	Ratio	Lower	Upper
97	100		
83	83.4	69.3	103.9
85	53.9	44.3	66.5
99	62.9	50.3	75.5

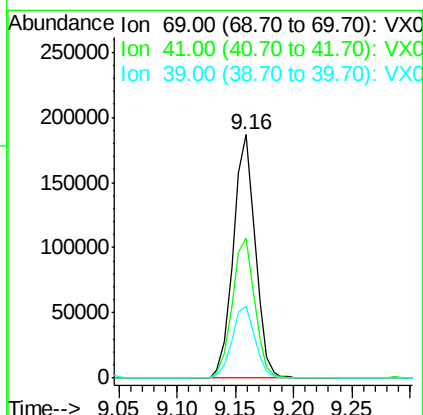
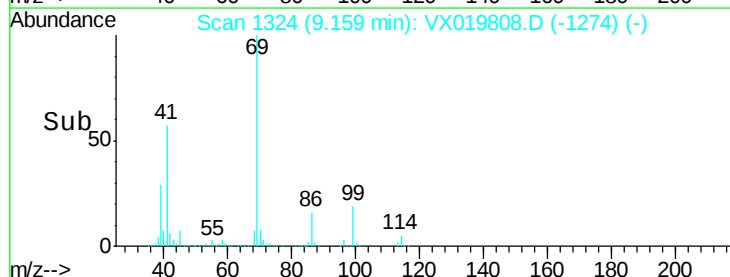
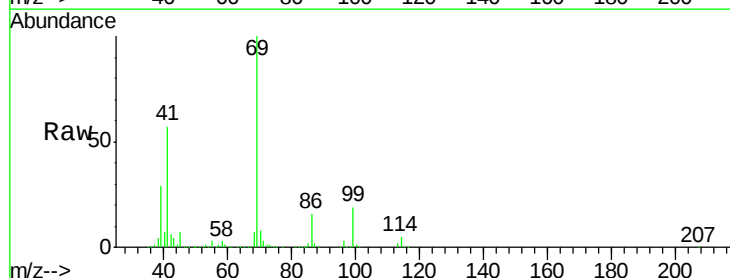
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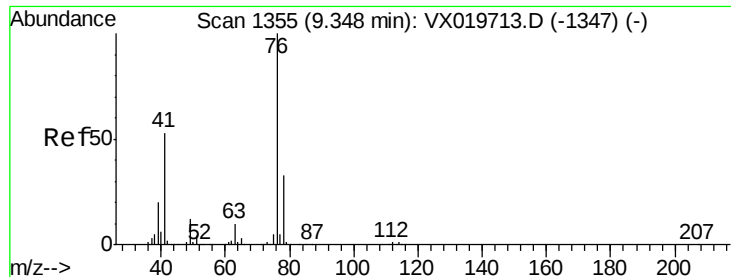
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#56
 Ethyl methacrylate
 Concen: 51.970 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. 0.01 min
 Lab File: VX019808.D
 Acq: 10 Dec 2020 04:11

Tgt Ion:	69	Resp:	247620
Ion	Ratio	Lower	Upper
69	100		
41	58.6	46.8	70.2
39	30.5	24.7	37.1





#57

1,3-Dichloropropane

Concen: 51.497 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. 0.01 min

Lab File: VX019808.D

Acq: 10 Dec 2020 04:11

Instrument :

MSVOA_X

ClientSampleId :

TU032-32-5226-120820MSD

Tot Ion: 76 Resp: 276918

Ion Ratio Lower Upper

76 100

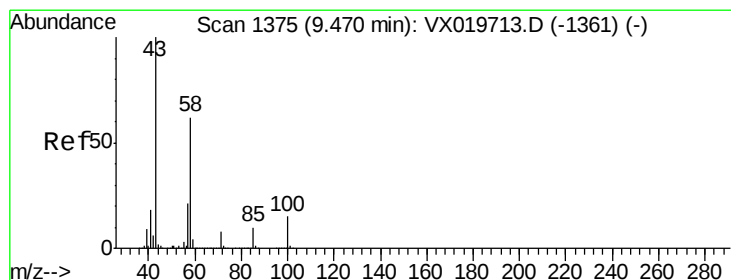
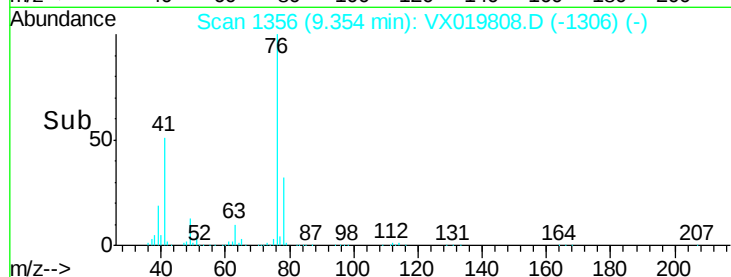
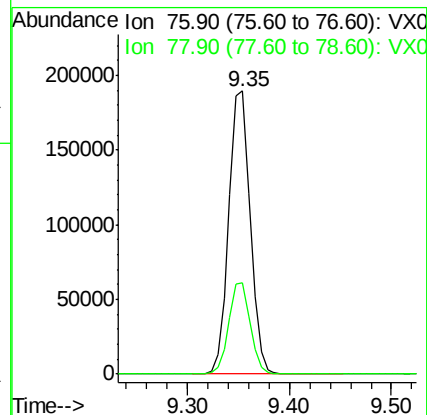
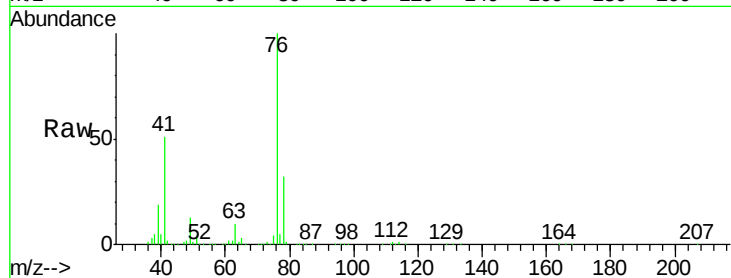
78 32.5 26.2 39.2

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#59

2-Hexanone

Concen: 259.325 ug/l

RT: 9.47 min Scan# 1375

Delta R.T. -0.00 min

Lab File: VX019808.D

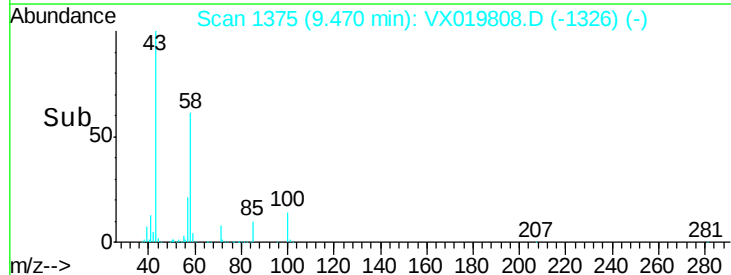
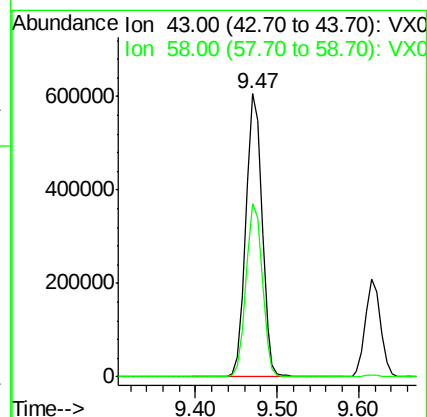
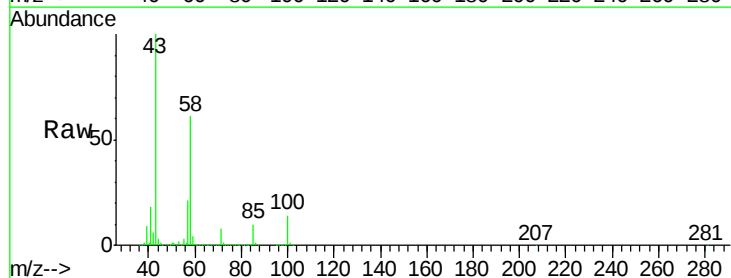
Acq: 10 Dec 2020 04:11

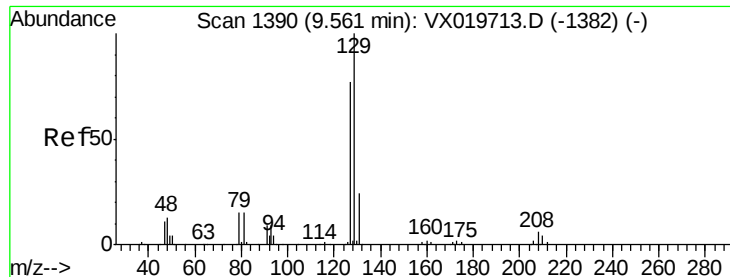
Tgt Ion: 43 Resp: 824004

Ion Ratio Lower Upper

43 100

58 61.8 30.9 92.8





#60

Dibromochloromethane

Concen: 53.190 ug/l

RT: 9.56 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VX019808.D

Acq: 10 Dec 2020 04:11

Instrument :

MSVOA_X

ClientSampleId :

TU032-32-5226-120820MSD

Tot Ion:129 Resp: 170185

Ion Ratio Lower Upper

129 100

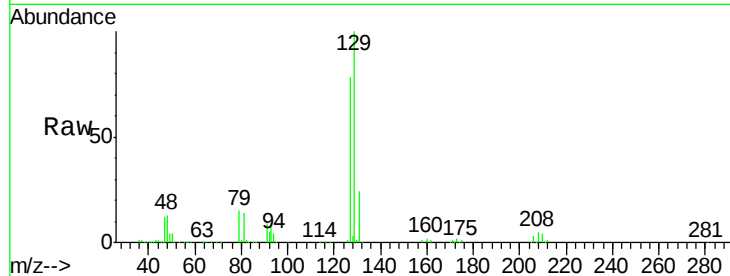
127 77.3 38.4 115.2

Manual Integrations

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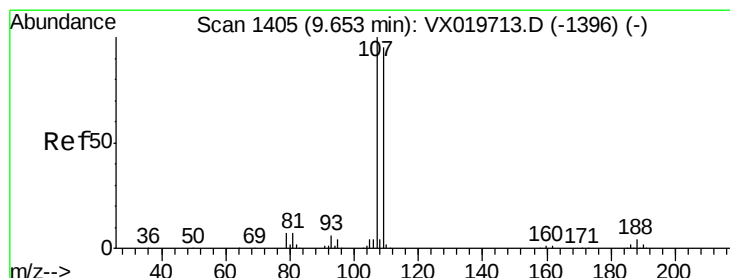
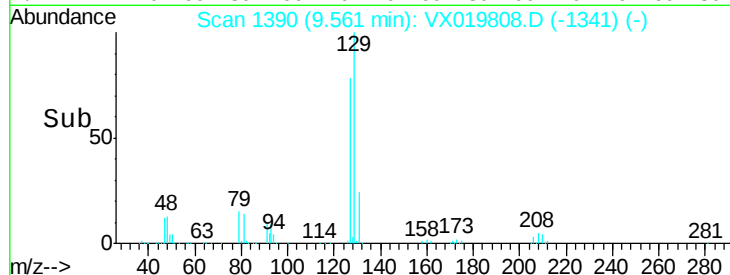
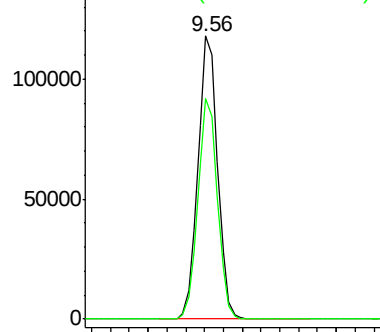
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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 51.234 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. -0.00 min

Lab File: VX019808.D

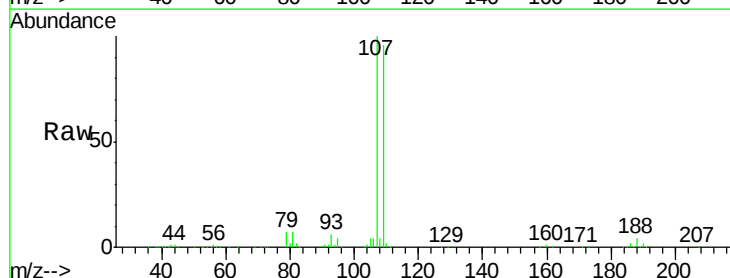
Acq: 10 Dec 2020 04:11

Tgt Ion:107 Resp: 171331

Ion Ratio Lower Upper

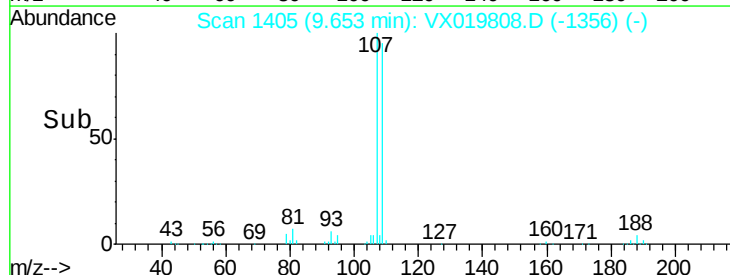
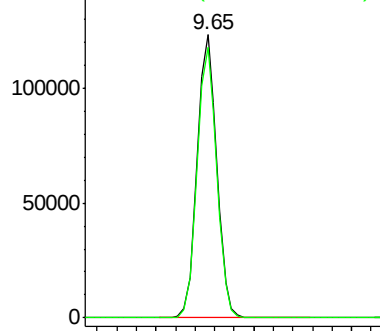
107 100

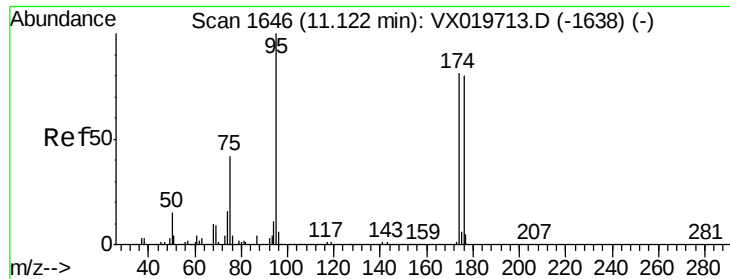
109 95.7 75.8 113.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





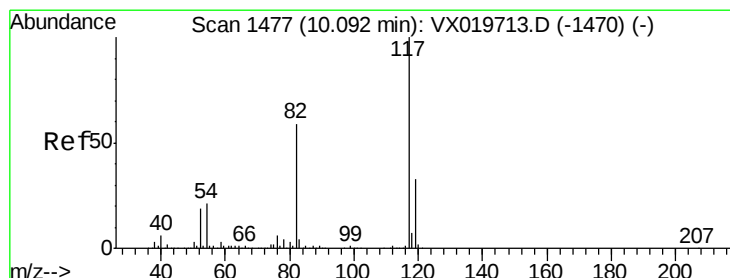
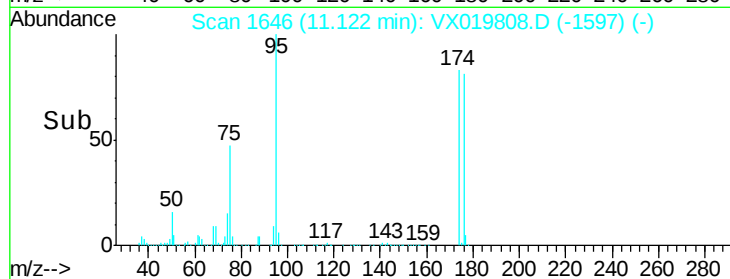
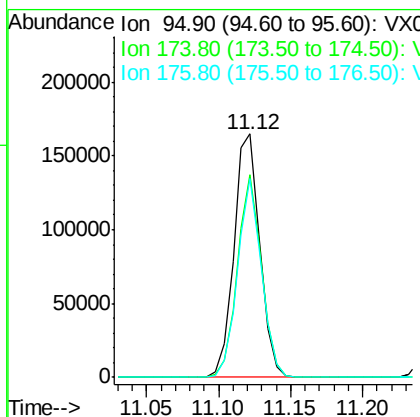
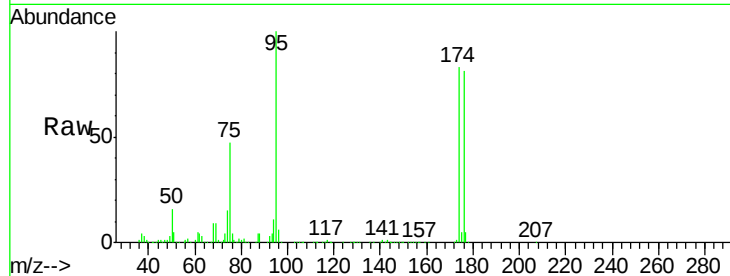
#62
 4-Bromofluorobenzene
 Concen: 48.565 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.00 min
 Lab File: VX019808.D
 Acq: 10 Dec 2020 04:11

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

Tot Ion	Ratio	Resp	Lower	Upper
95	100	206445		
174	77.1	0.0	154.6	
176	75.2	0.0	155.8	

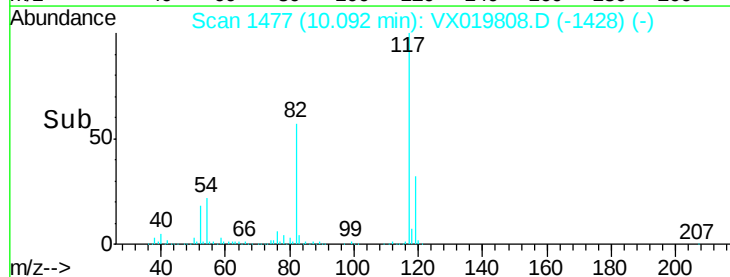
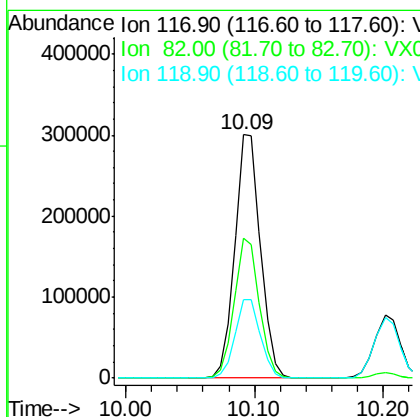
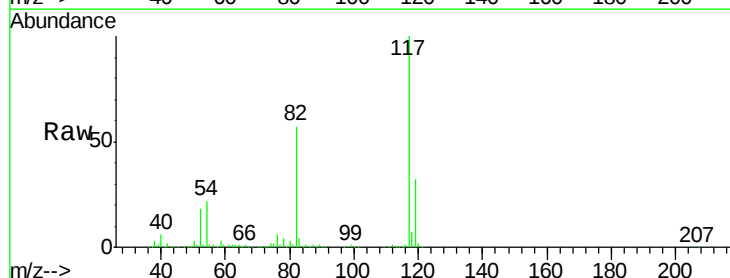
Manual Integrations
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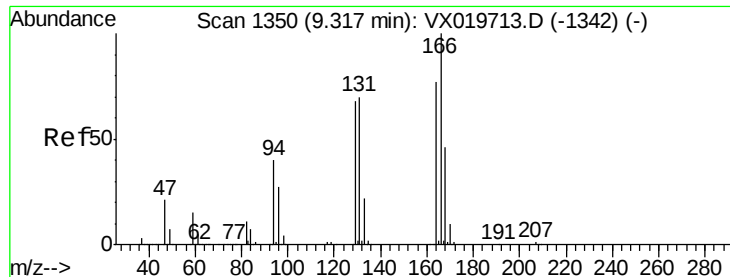
MMDadoda
 12/10/2020 9:31:18 AM



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.09 min Scan# 1477
 Delta R.T. -0.00 min
 Lab File: VX019808.D
 Acq: 10 Dec 2020 04:11

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	416203		
82	57.3	47.4	71.2	
119	32.0	26.6	39.8	





#64

Tetrachloroethene

Concen: 50.610 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.00 min

Lab File: VX019808.D

Acq: 10 Dec 2020 04:11

Instrument :

MSVOA_X

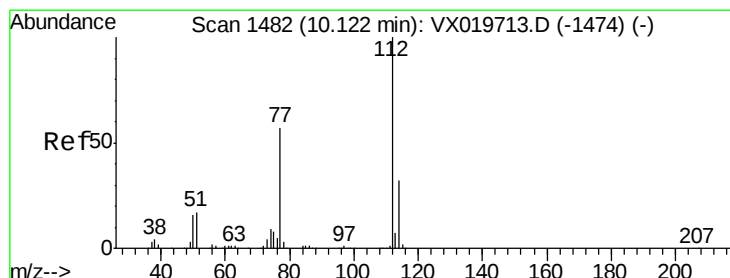
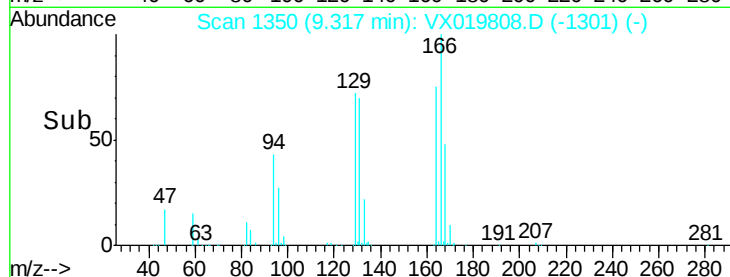
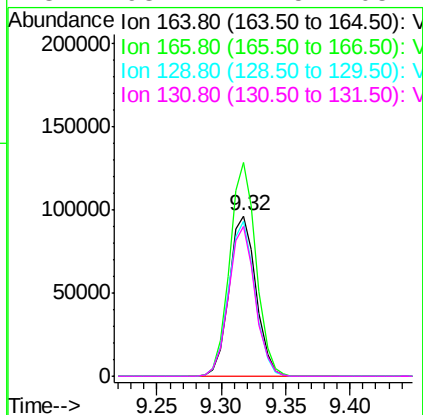
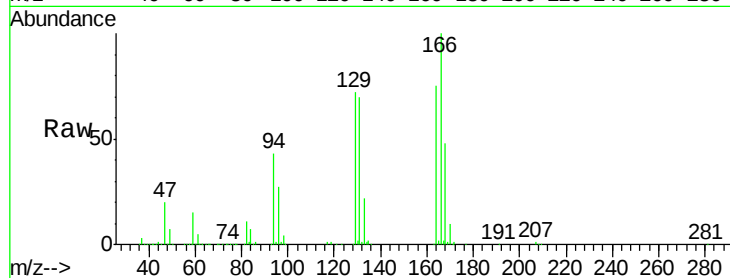
ClientSampleId :

TU032-32-5226-120820MSD

Tot Ion:	164	Resp:	141258
Ion Ratio	Lower	Upper	
164	100		
166	133.4	103.4	155.2
129	96.6	70.8	106.2
131	93.2	72.5	108.7

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#65

Chlorobenzene

Concen: 50.658 ug/l

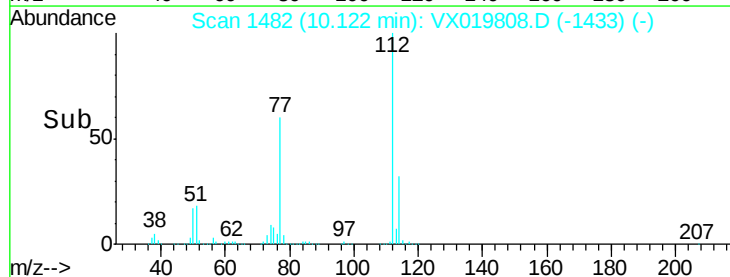
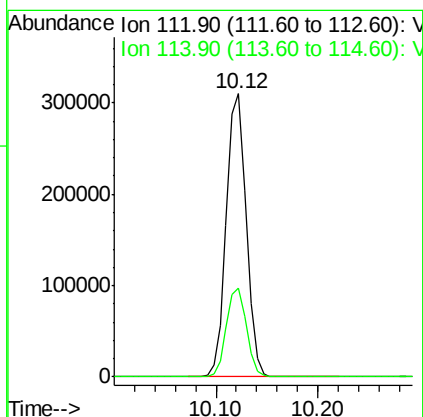
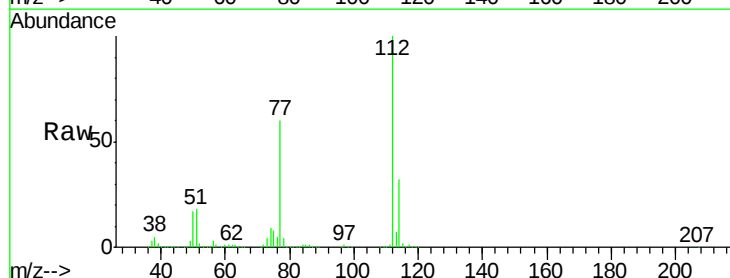
RT: 10.12 min Scan# 1482

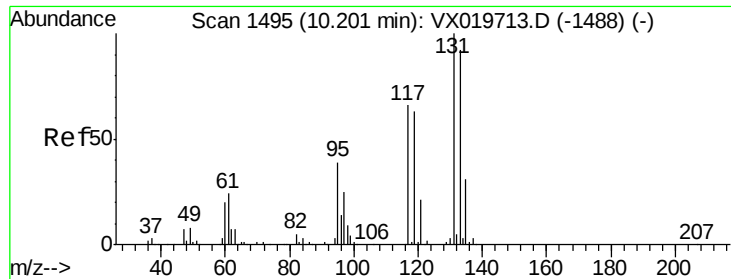
Delta R.T. -0.00 min

Lab File: VX019808.D

Acq: 10 Dec 2020 04:11

Tgt Ion:	112	Resp:	420049
Ion Ratio	Lower	Upper	
112	100		
114	31.5	25.8	38.6





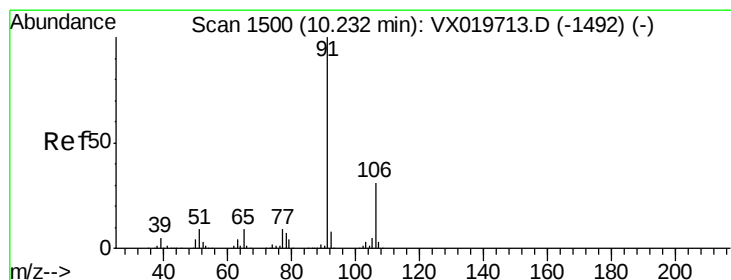
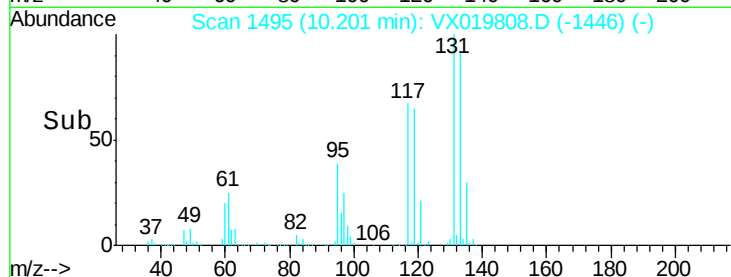
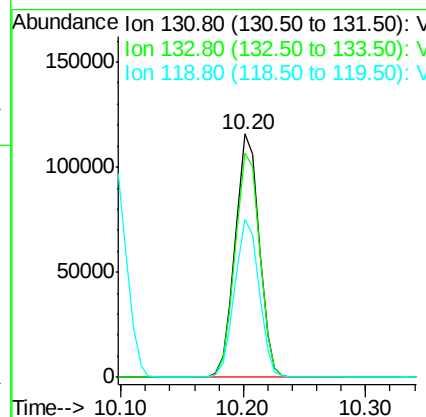
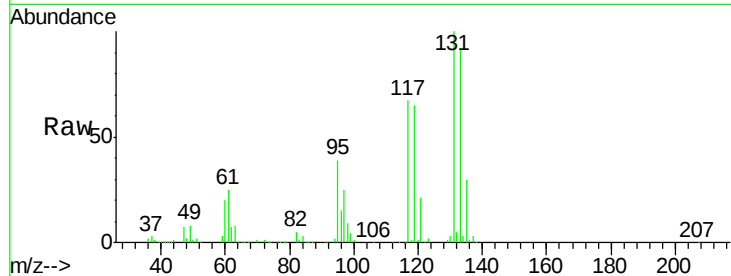
#66
 1,1,1,2-Tetrachloroethane
 Concen: 52.522 ug/l
 RT: 10.20 min Scan# 1495
 Delta R.T. -0.00 min
 Lab File: VX019808.D
 Acq: 10 Dec 2020 04:11

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

Tot Ion	Ratio	Lower	Upper
131	100		
133	94.6	47.7	143.1
119	65.6	32.1	96.5

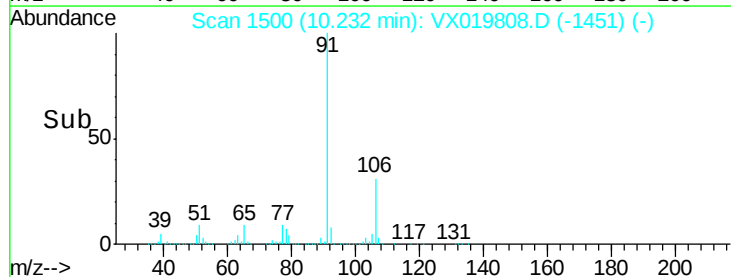
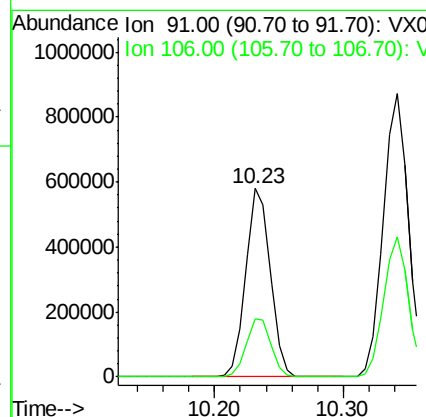
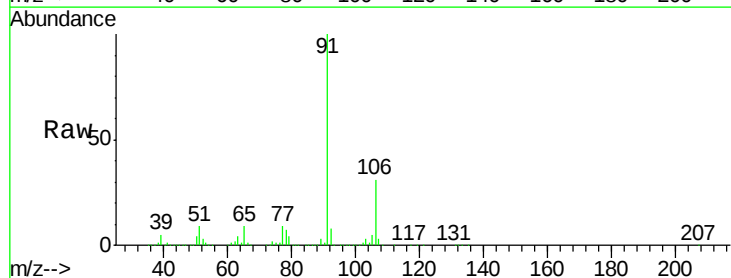
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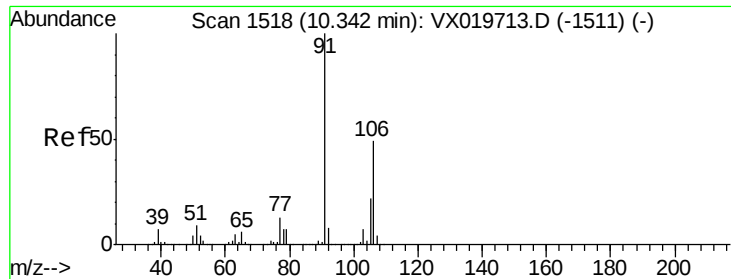
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#67
 Ethyl Benzene
 Concen: 51.663 ug/l
 RT: 10.23 min Scan# 1500
 Delta R.T. -0.00 min
 Lab File: VX019808.D
 Acq: 10 Dec 2020 04:11

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.6	24.6	37.0





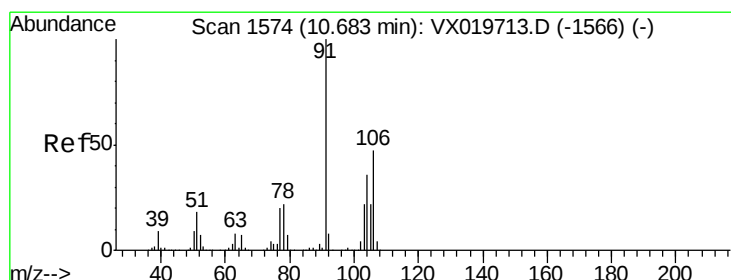
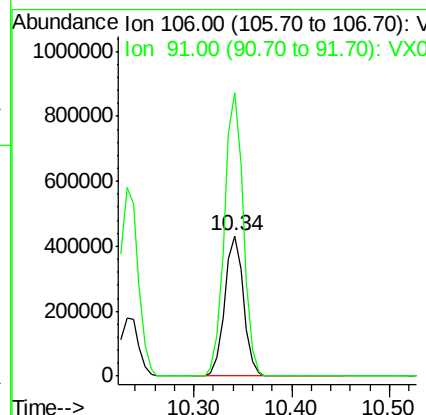
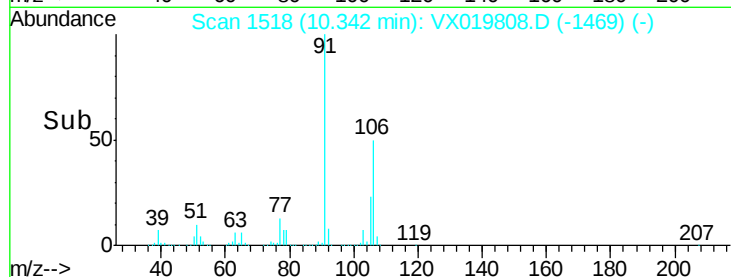
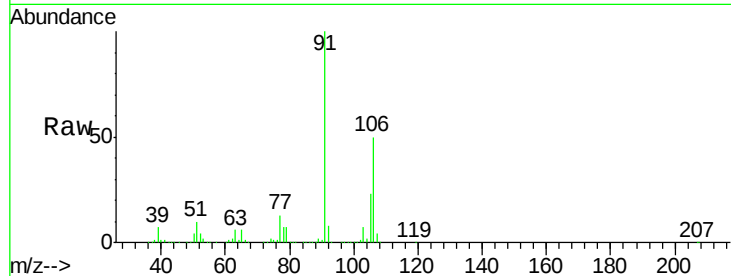
#68
m/p-Xylenes
Concen: 103.554 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VX019808.D
Acq: 10 Dec 2020 04:11

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

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		574327		
91	203.3	162.8	244.2		

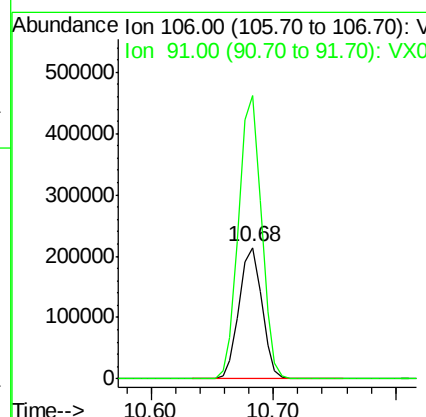
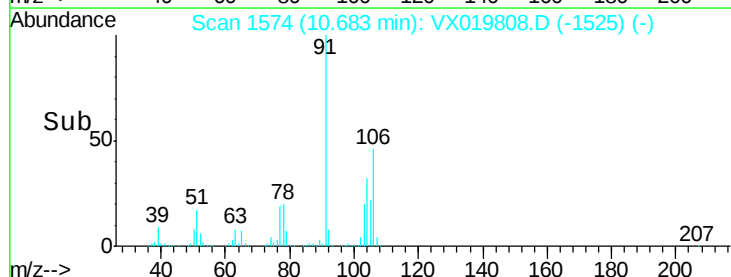
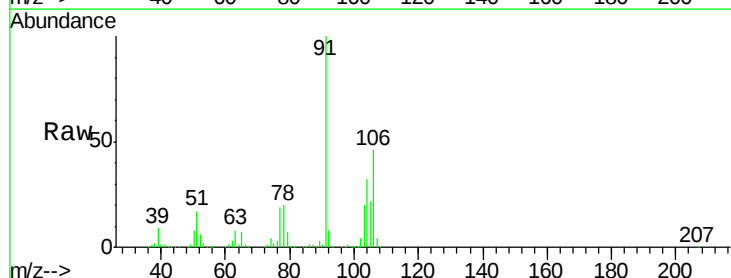
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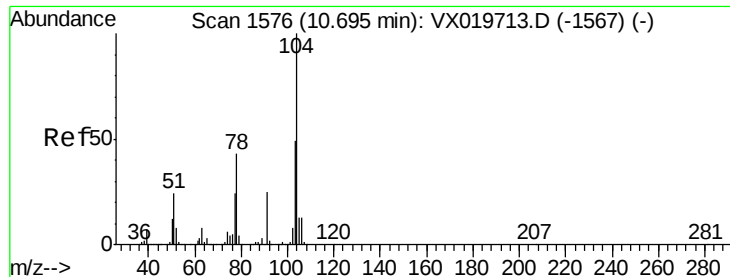
MMDadoda
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#69
o-Xylene
Concen: 51.682 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX019808.D
Acq: 10 Dec 2020 04:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		275731		
91	215.7	108.1	324.2		





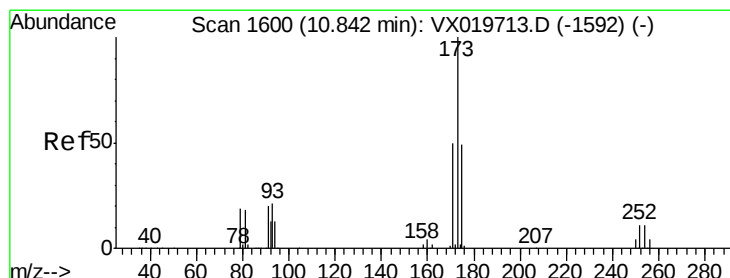
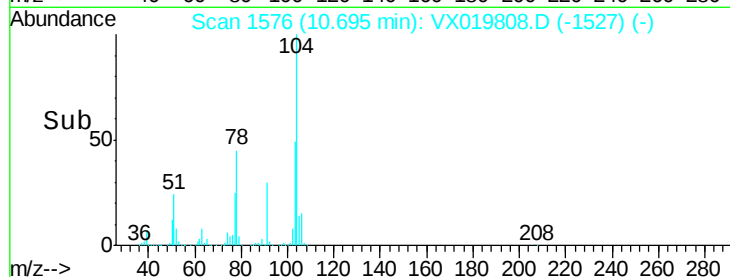
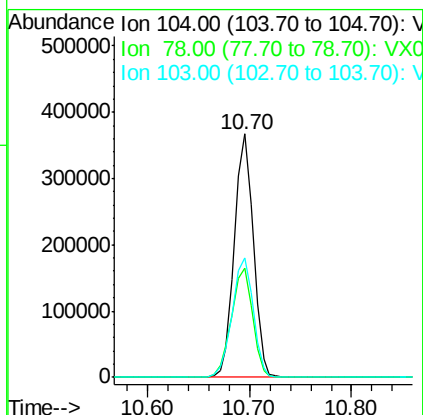
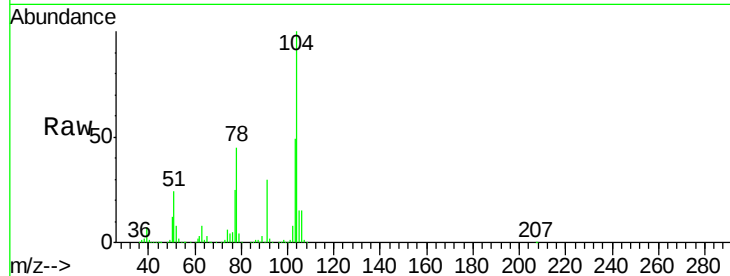
#70
Stvrene
Concen: 52.193 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX019808.D
Acq: 10 Dec 2020 04:11

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

Tot Ion	Ratio	Resp	Lower	Upper
104	100	469998		
78	50.3		40.0	60.0
103	54.6		43.4	65.0

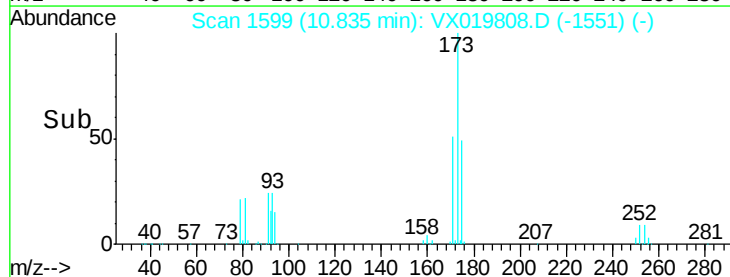
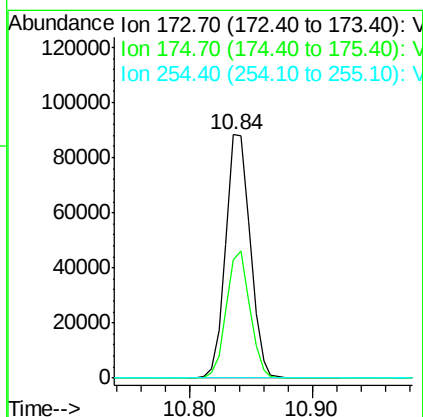
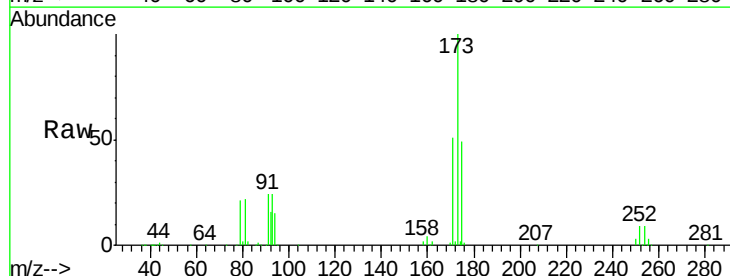
Manual Integrations
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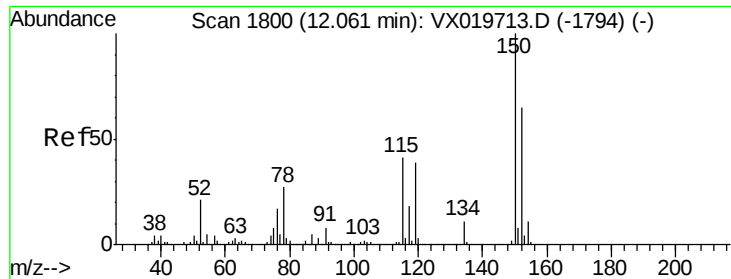
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#71
Bromoform
Concen: 52.220 ug/l
RT: 10.84 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VX019808.D
Acq: 10 Dec 2020 04:11

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	122603		
175	49.8		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: VX019808.D

Acq: 10 Dec 2020 04:11

Instrument :

MSVOA_X

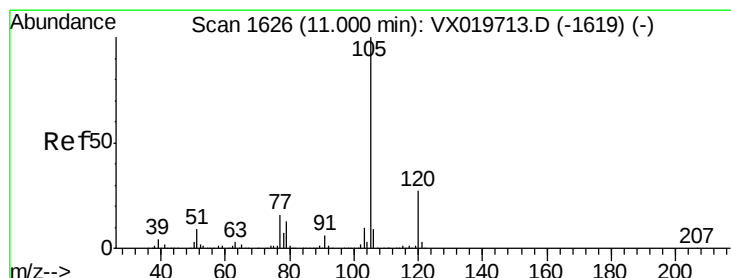
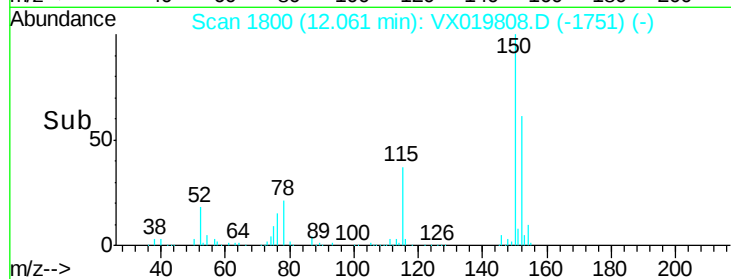
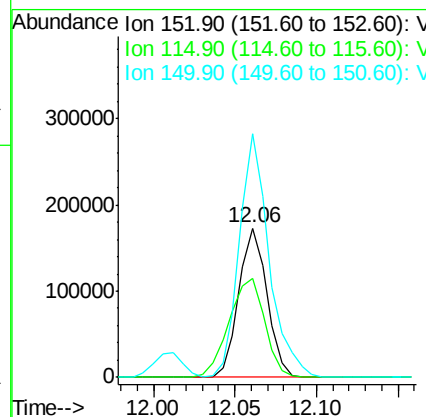
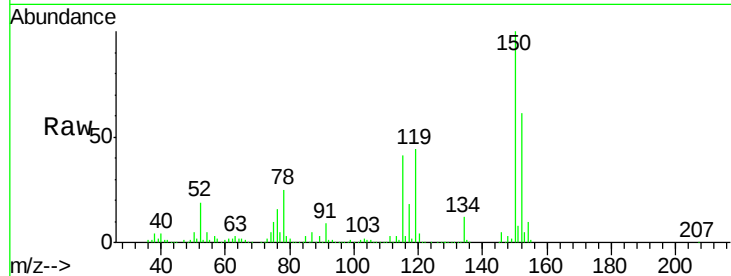
ClientSampleId :

TU032-32-5226-120820MSD

Tot Ion:	152	Resp:	209322
Ion Ratio	Lower	Upper	
152	100		
115	83.4	41.1	123.3
150	171.5	0.0	349.0

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#73

Isopropylbenzene

Concen: 52.040 ug/l

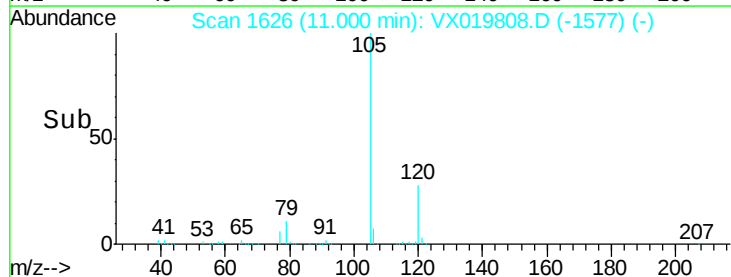
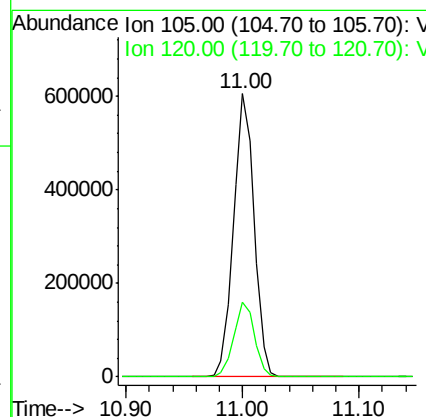
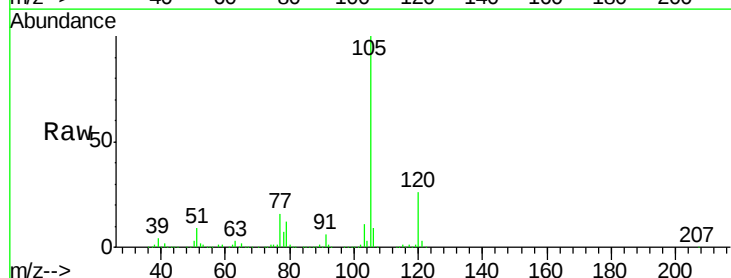
RT: 11.00 min Scan# 1626

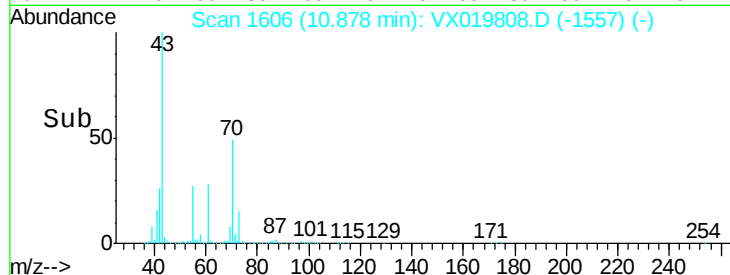
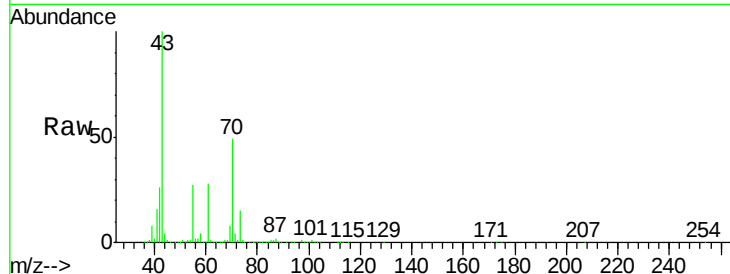
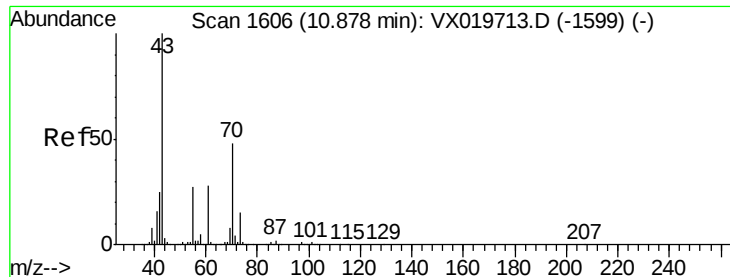
Delta R.T. -0.00 min

Lab File: VX019808.D

Acq: 10 Dec 2020 04:11

Tgt Ion:	105	Resp:	744210
Ion Ratio	Lower	Upper	
105	100		
120	26.6	13.2	39.6





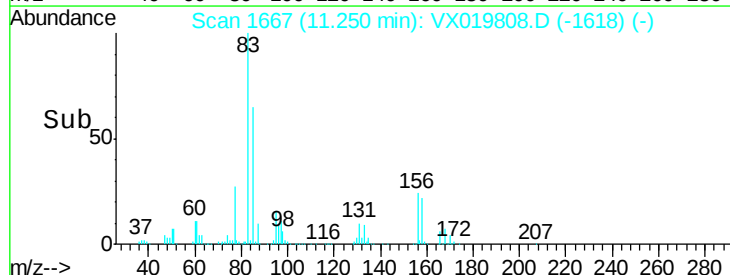
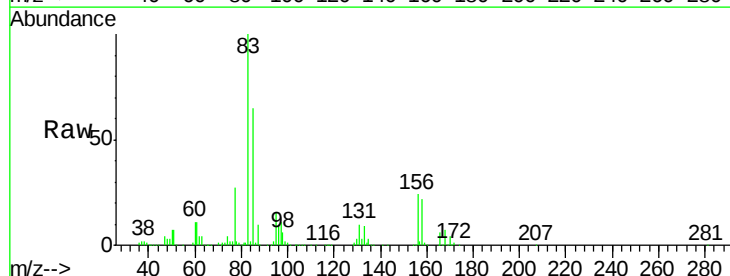
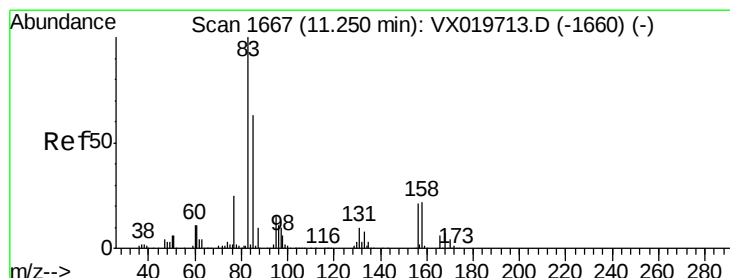
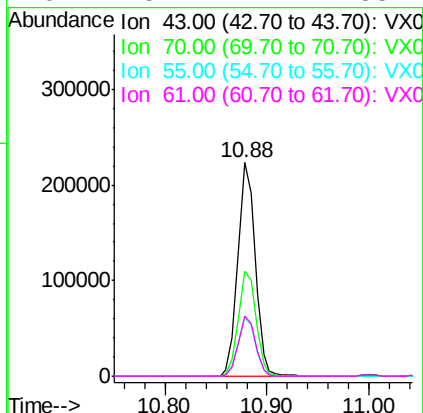
#74
N-amvl acetate
Concen: 45.684 ug/l
RT: 10.88 min Scan# 1606
Delta R.T. -0.00 min
Lab File: VX019808.D
Acq: 10 Dec 2020 04:11

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		261811		
70	50.2	39.0	58.6		
55	27.8	21.5	32.3		
61	28.1	22.1	33.1		

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

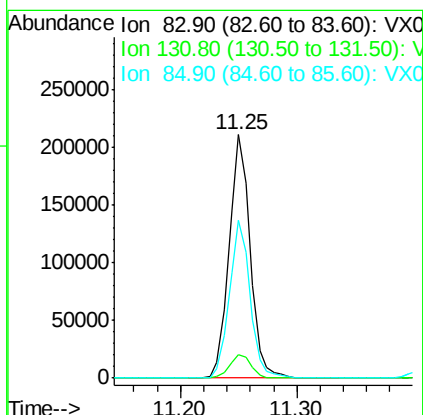
Manual Integrations
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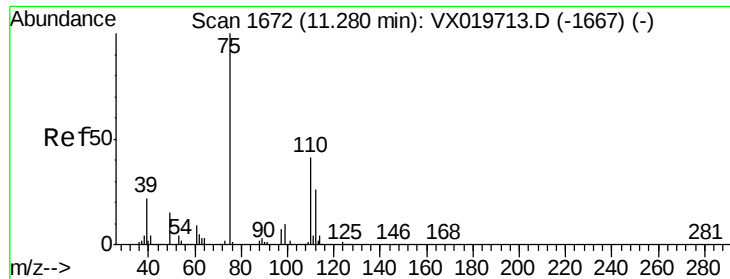
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#75
1,1,2,2-Tetrachloroethane
Concen: 52.470 ug/l
RT: 11.25 min Scan# 1667
Delta R.T. -0.00 min
Lab File: VX019808.D
Acq: 10 Dec 2020 04:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		264550		
131	10.1	5.1	15.2		
85	64.1	31.8	95.4		





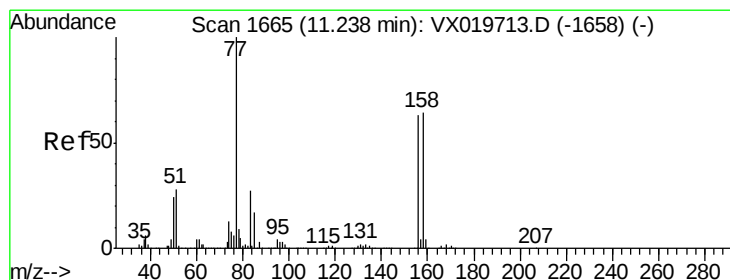
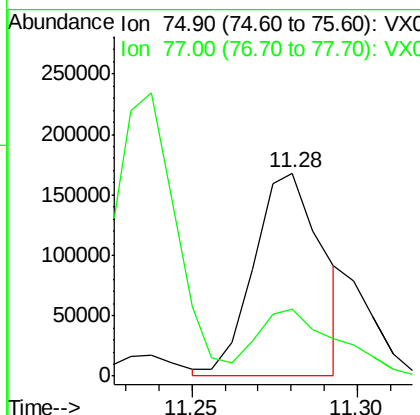
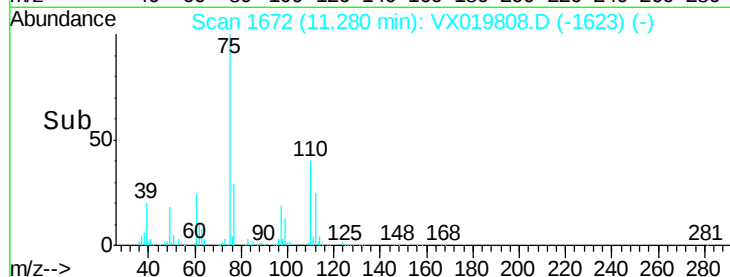
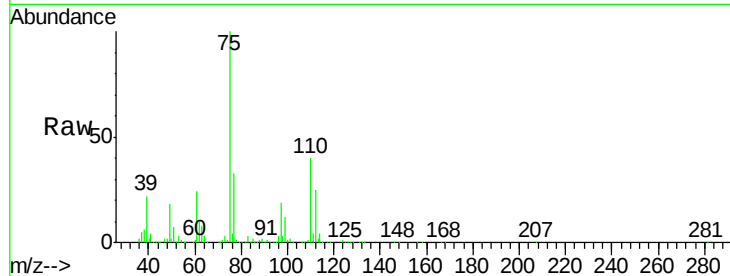
#76
 1,2,3-Trichloropropane
 Concen: 51.439 ug/l m
 RT: 11.28 min Scan# 1672
 Delta R.T. -0.00 min
 Lab File: VX019808.D
 Acq: 10 Dec 2020 04:11

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

Tot Ion: 75 Resp: 241490
 Ion Ratio Lower Upper
 75 100
 77 38.4 19.1 57.5

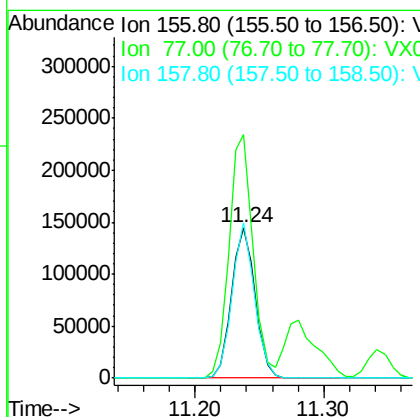
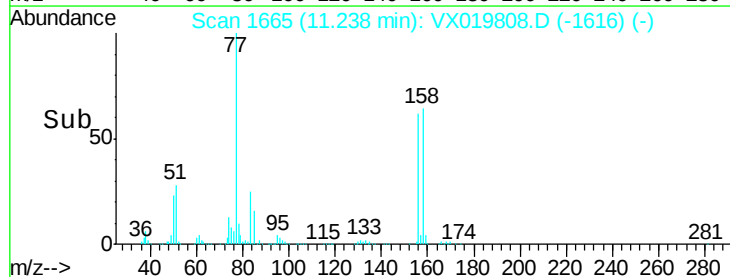
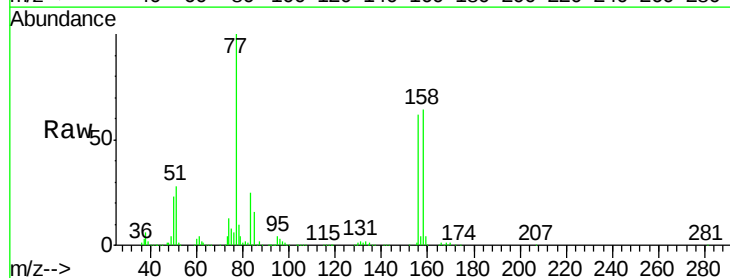
Manual Integrations
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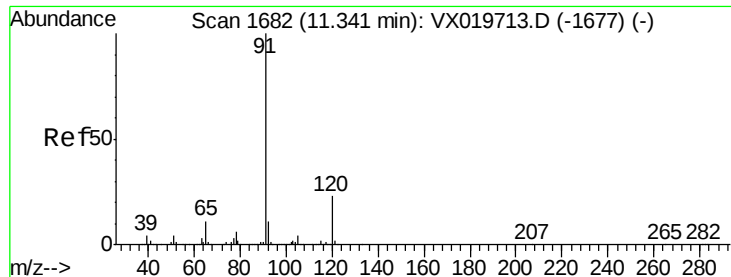
MMDadoda
 12/10/2020 9:31:18 AM



#77
 Bromobenzene
 Concen: 50.610 ug/l
 RT: 11.24 min Scan# 1665
 Delta R.T. -0.00 min
 Lab File: VX019808.D
 Acq: 10 Dec 2020 04:11

Tgt Ion: 156 Resp: 185220
 Ion Ratio Lower Upper
 156 100
 77 165.3 82.8 248.6
 158 97.8 49.1 147.4





#78

n-propylbenzene

Concen: 52.042 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VX019808.D

Acq: 10 Dec 2020 04:11

Instrument :

MSVOA_X

ClientSampleId :

TU032-32-5226-120820MSD

Tot Ion: 91 Resp: 850039

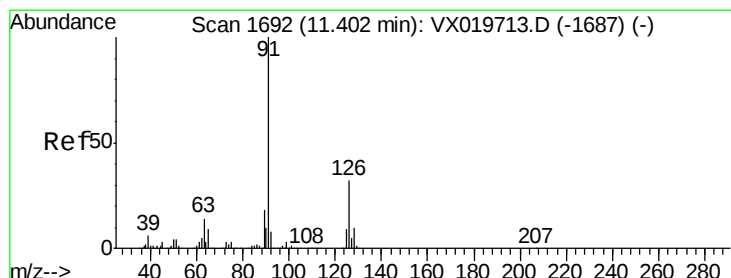
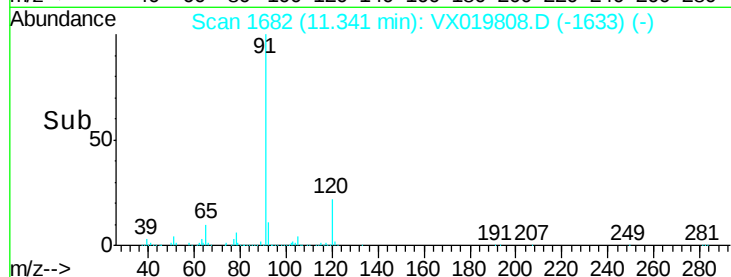
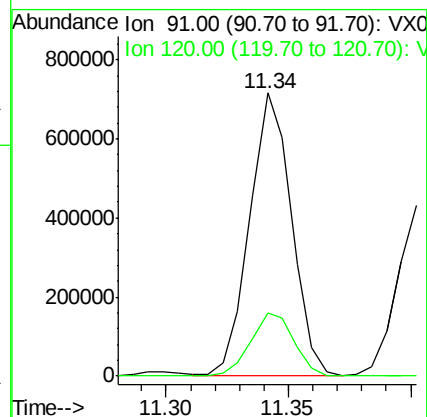
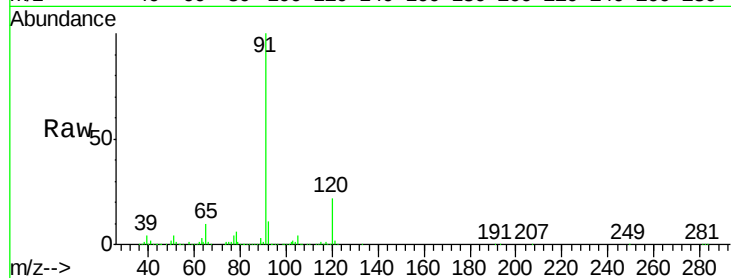
Ion Ratio Lower Upper

91 100

120 23.1 11.5 34.5

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#79

2-Chlorotoluene

Concen: 50.835 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VX019808.D

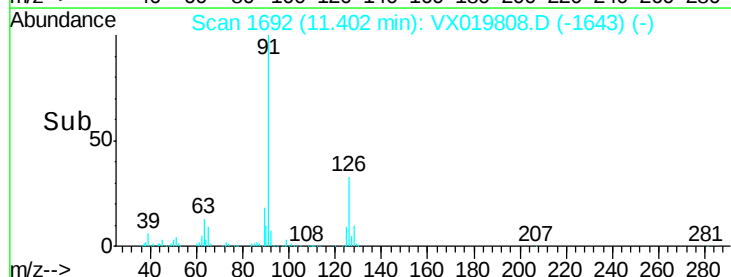
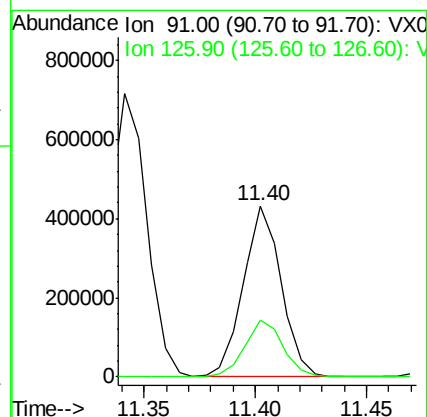
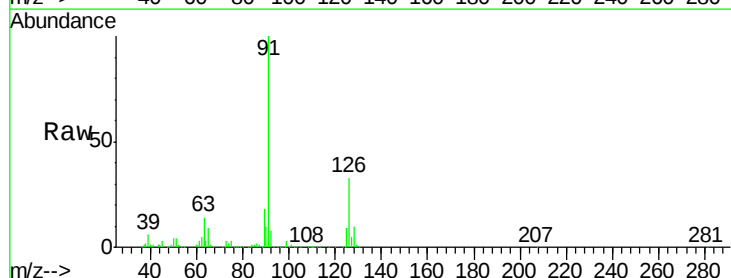
Acq: 10 Dec 2020 04:11

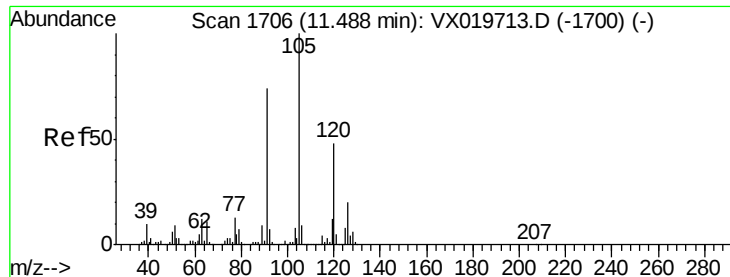
Tgt Ion: 91 Resp: 511331

Ion Ratio Lower Upper

91 100

126 33.4 16.6 49.8





#80

1,3,5-Trimethylbenzene

Concen: 51.924 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. -0.00 min

Lab File: VX019808.D

Acq: 10 Dec 2020 04:11

Instrument :

MSVOA_X

ClientSampleId :

TU032-32-5226-120820MSD

Tot Ion:105 Resp: 626690

Ion Ratio Lower Upper

105 100

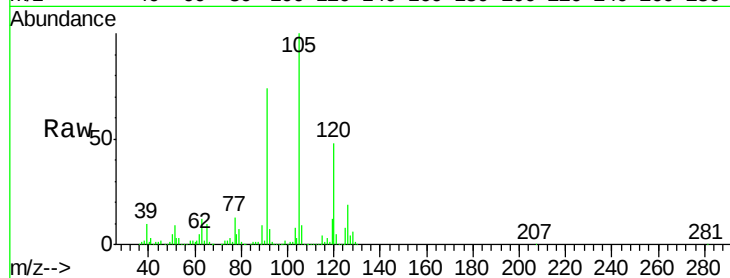
120 48.3 23.8 71.5

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.49

600000

500000

400000

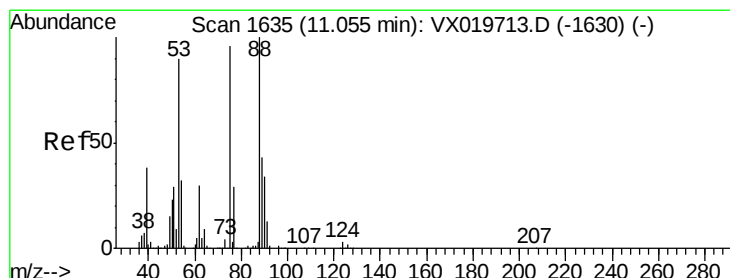
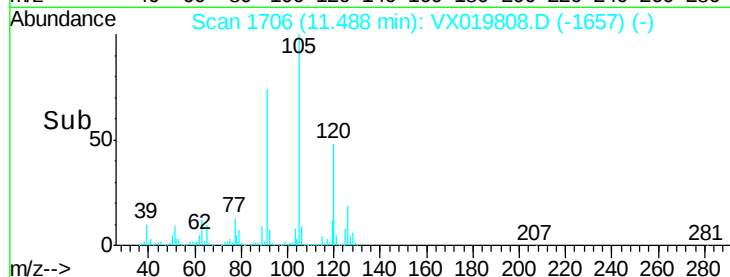
300000

200000

100000

0

Time--> 11.40 11.50 11.60



#81

trans-1,4-Dichloro-2-butene

Concen: 47.968 ug/l

RT: 11.05 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VX019808.D

Acq: 10 Dec 2020 04:11

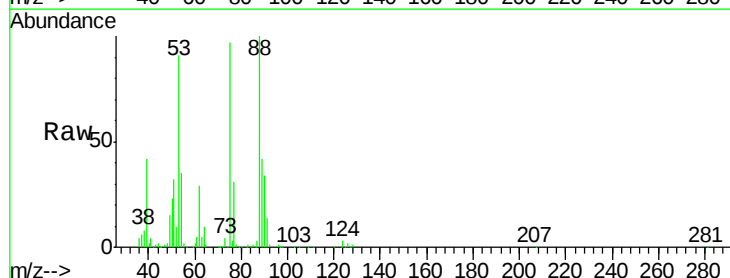
Tgt Ion: 75 Resp: 77901

Ion Ratio Lower Upper

75 100

53 93.5 74.5 111.7

89 45.4 37.9 56.9



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

11.05

100000

80000

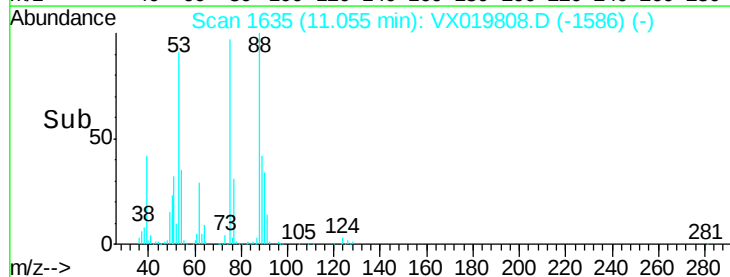
60000

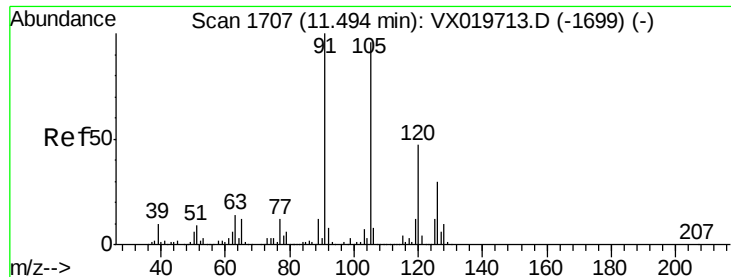
40000

20000

0

Time--> 11.00 11.05 11.10





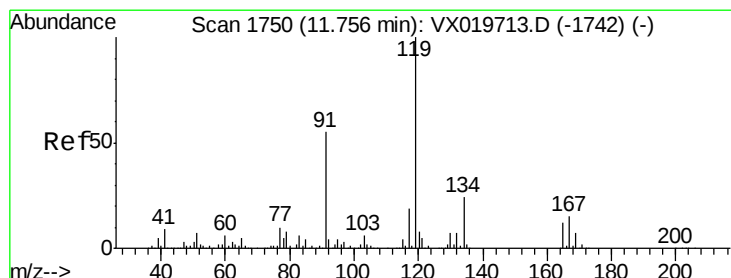
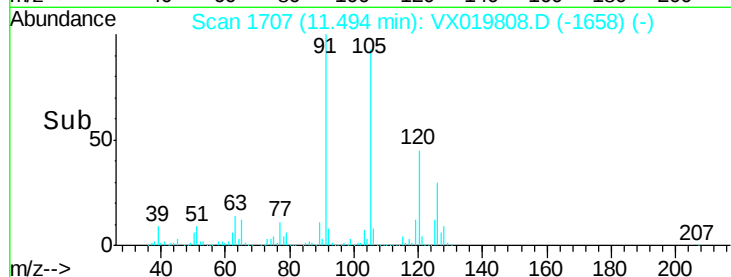
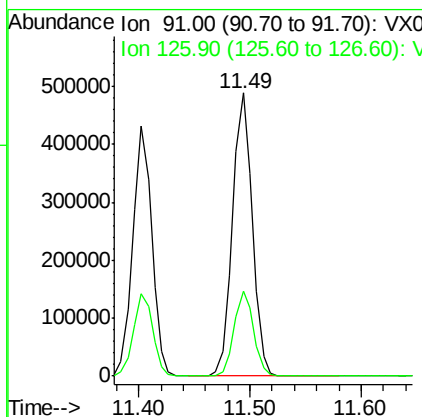
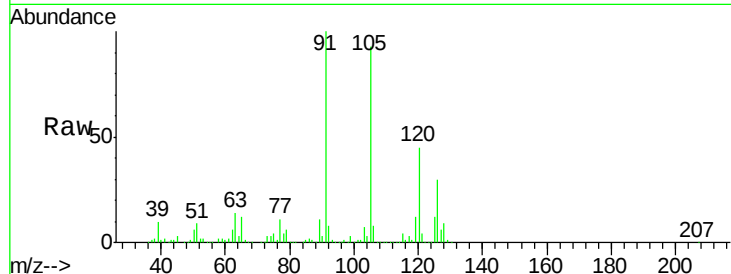
#82
4-Chlorotoluene
Concen: 50.796 ug/l
RT: 11.49 min Scan# 1707
Delta R.T. -0.00 min
Lab File: VX019808.D
Acq: 10 Dec 2020 04:11

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

Tot Ion	Ratio	Resp	Lower	Upper
91	100	598398		
126	29.7	14.9	44.5	

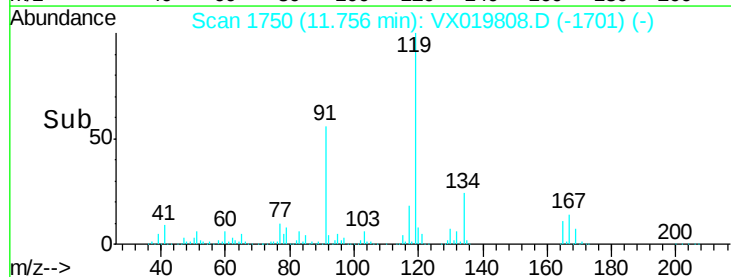
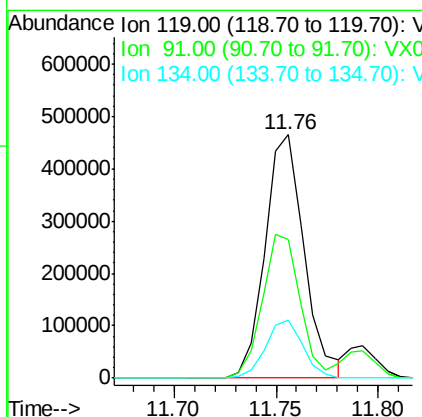
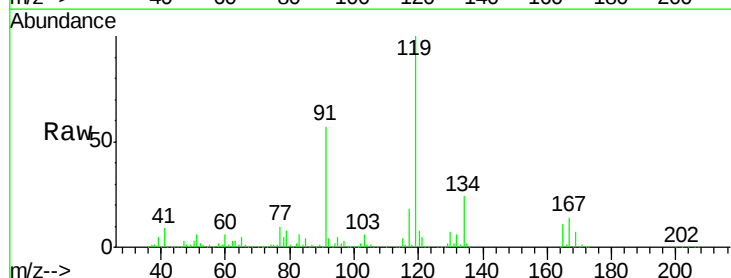
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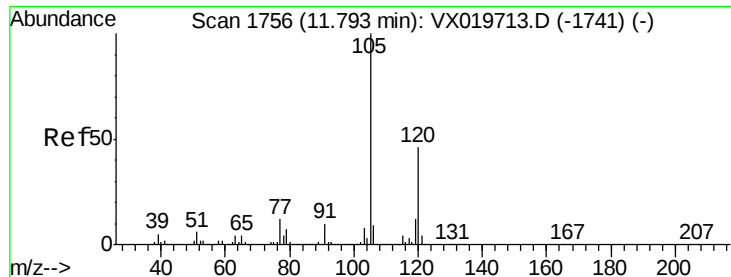
MMDadoda
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#83
tert-Butylbenzene
Concen: 52.372 ug/l
RT: 11.76 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VX019808.D
Acq: 10 Dec 2020 04:11

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	619936		
91	56.7	27.9	83.7	
134	22.9	11.3	33.9	





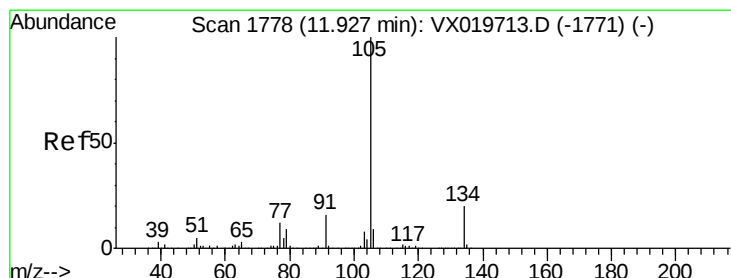
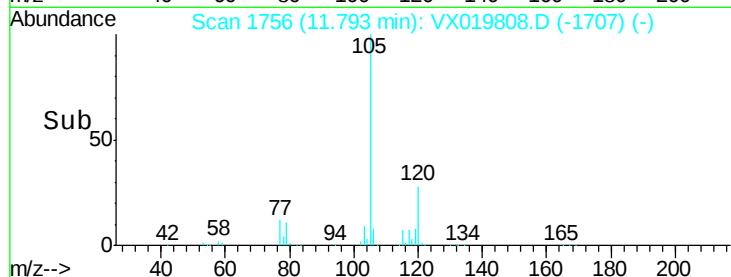
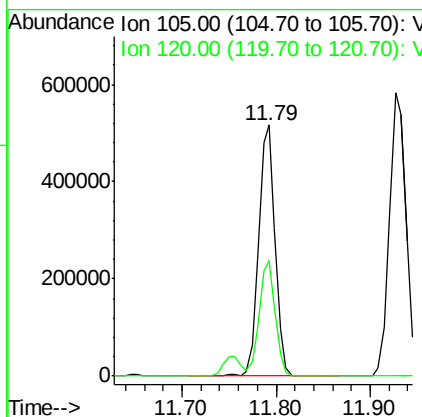
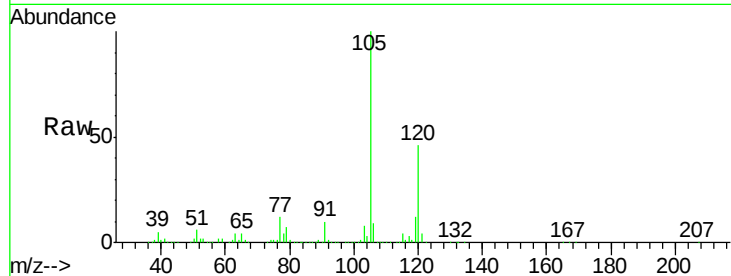
#84
 1,2,4-Trimethylbenzene
 Concen: 52.483 ug/l
 RT: 11.79 min Scan# 1756
 Delta R.T. -0.00 min
 Lab File: VX019808.D
 Acq: 10 Dec 2020 04:11

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

Tot Ion	Ratio	Lower	Upper
105	100		
120	44.9	22.4	67.3

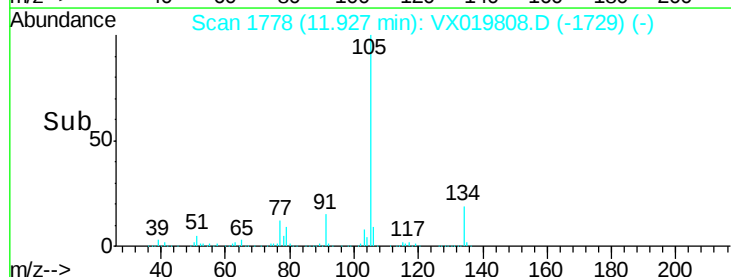
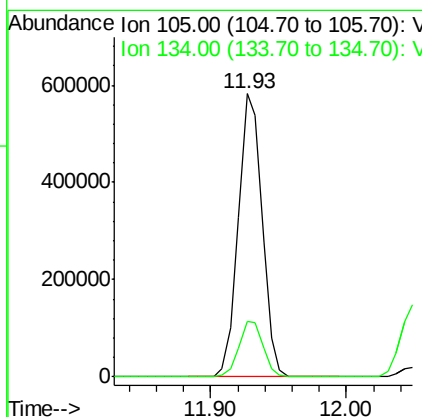
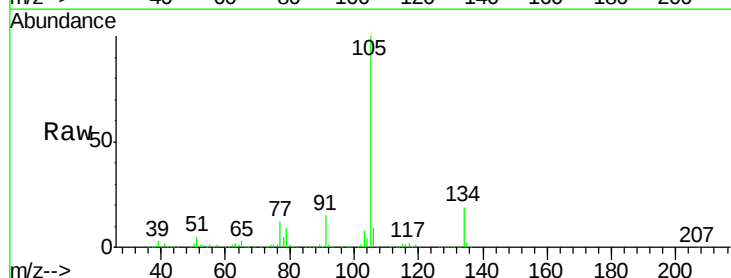
Manual Integrations
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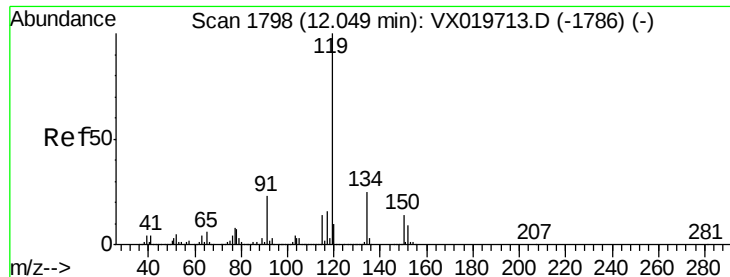
MMDadoda
 12/10/2020 9:31:18 AM



#85
 sec-Butylbenzene
 Concen: 52.609 ug/l
 RT: 11.93 min Scan# 1778
 Delta R.T. -0.00 min
 Lab File: VX019808.D
 Acq: 10 Dec 2020 04:11

Tgt Ion	Ratio	Lower	Upper
105	100		
134	19.8	10.0	29.8





#86

p-Isopropyltoluene

Concen: 52.484 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VX019808.D

Acq: 10 Dec 2020 04:11

Instrument :

MSVOA_X

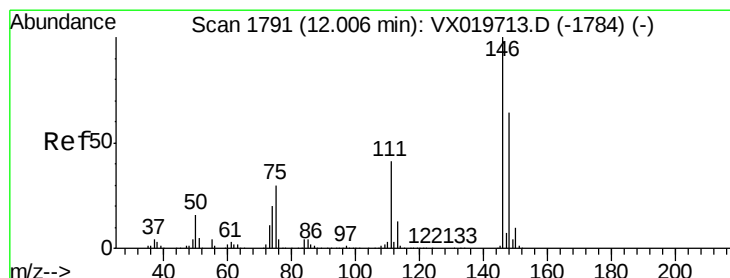
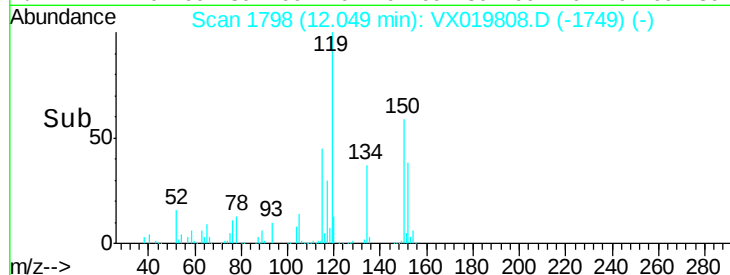
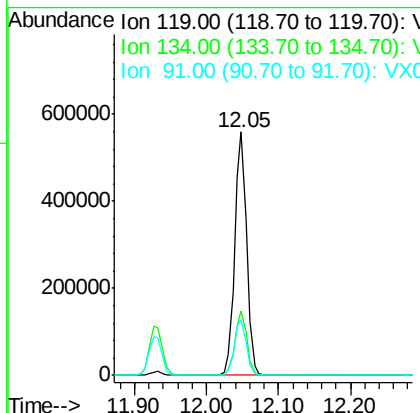
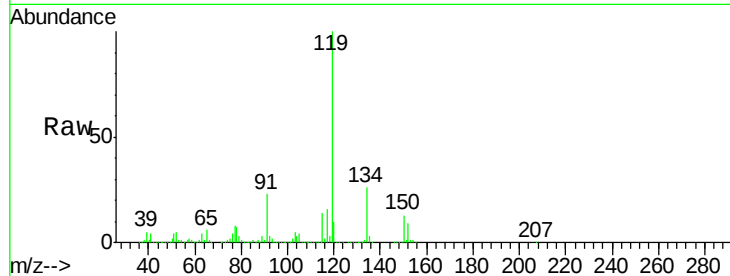
ClientSampleId :

TU032-32-5226-120820MSD

Tot Ion:	119	Resp:	650058
Ion Ratio	Lower	Upper	
119	100		
134	26.1	12.9	38.7
91	23.4	11.7	35.0

Manual Integrations
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#87

1,3-Dichlorobenzene

Concen: 50.365 ug/l

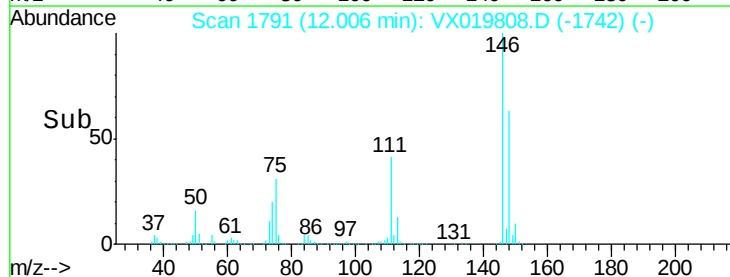
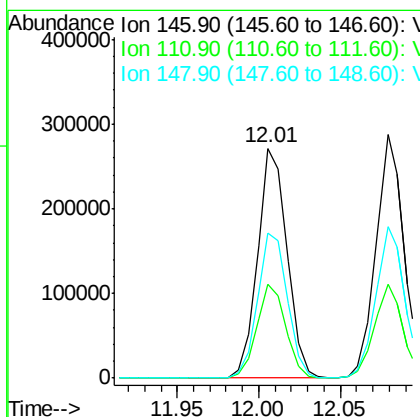
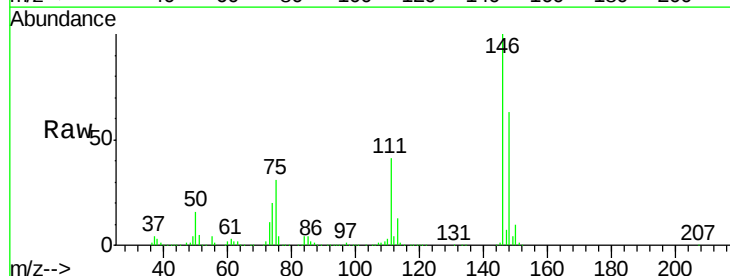
RT: 12.01 min Scan# 1791

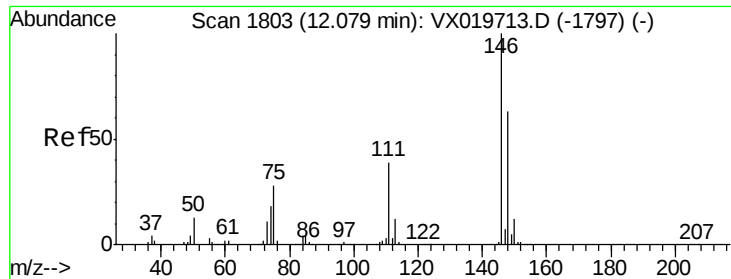
Delta R.T. -0.00 min

Lab File: VX019808.D

Acq: 10 Dec 2020 04:11

Tgt Ion:	146	Resp:	338303
Ion Ratio	Lower	Upper	
146	100		
111	40.4	20.2	60.5
148	64.0	31.9	95.7





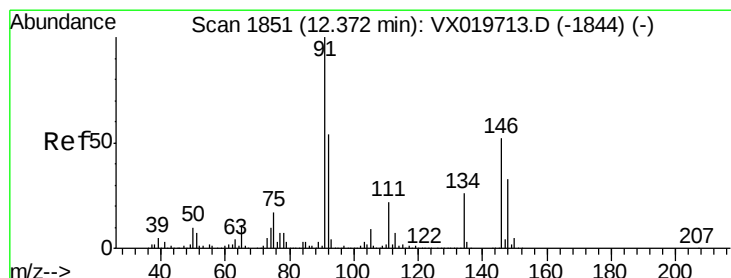
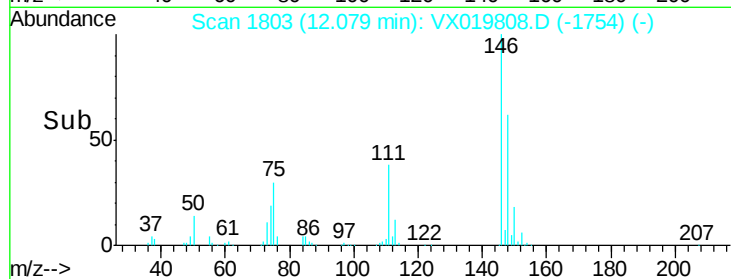
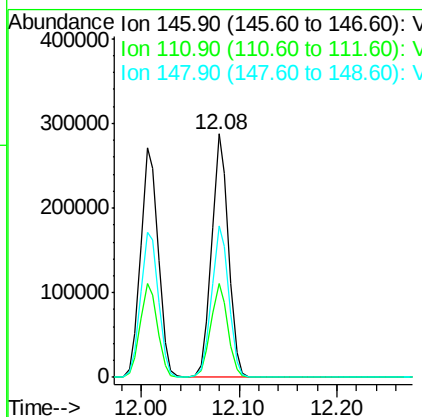
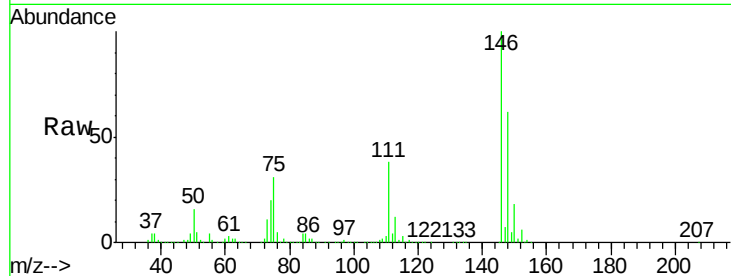
#88
 1,4-Dichlorobenzene
 Concen: 50.091 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VX019808.D
 Acq: 10 Dec 2020 04:11

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

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

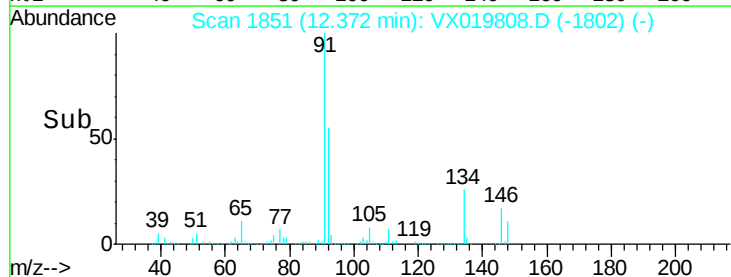
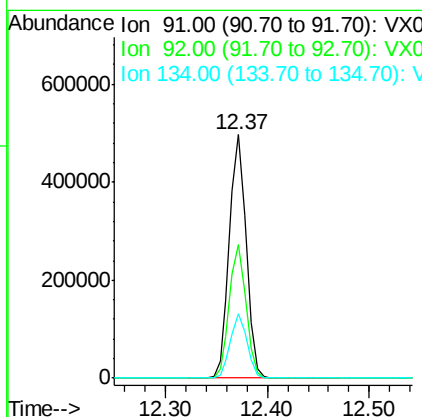
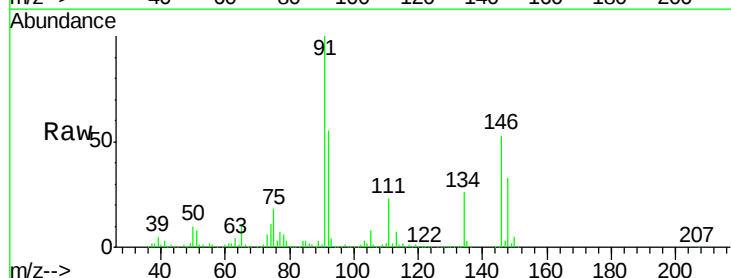
Manual Integrations
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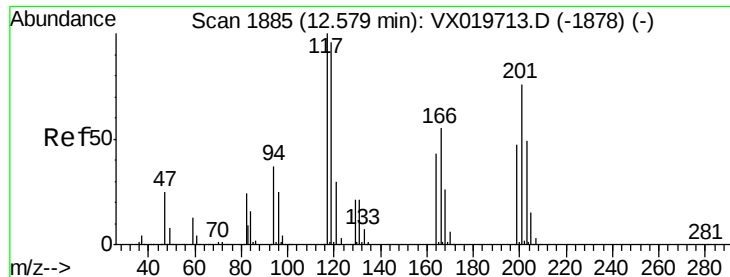
MMDadoda
 12/10/2020 9:31:18 AM



#89
 n-Butylbenzene
 Concen: 51.691 ug/l
 RT: 12.37 min Scan# 1851
 Delta R.T. -0.00 min
 Lab File: VX019808.D
 Acq: 10 Dec 2020 04:11

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.3	27.4	82.0
134	25.9	13.2	39.5





#90

Hexachloroethane

Concen: 52.161 ug/l

RT: 12.58 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX019808.D

Acq: 10 Dec 2020 04:11

Instrument :

MSVOA_X

ClientSampleId :

TU032-32-5226-120820MSD

Tot Ion:117 Resp: 111540

Ion Ratio Lower Upper

117 100

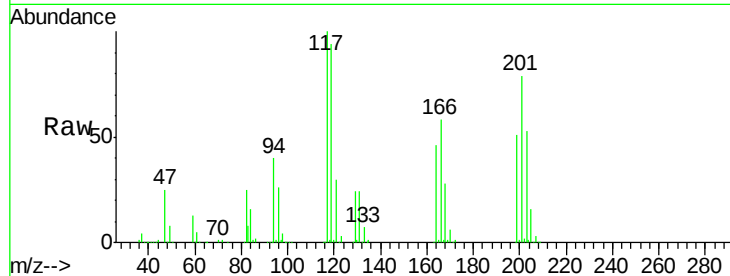
201 80.5 40.4 121.2

Manual Integrations

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Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

12.58

100000

80000

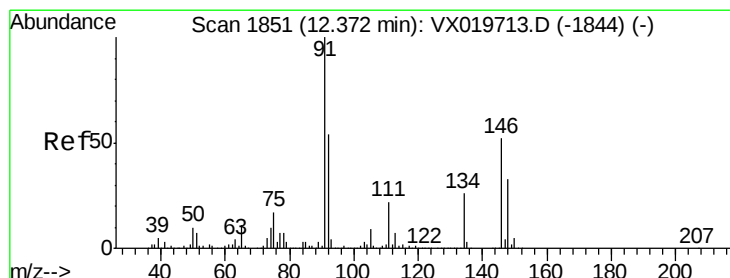
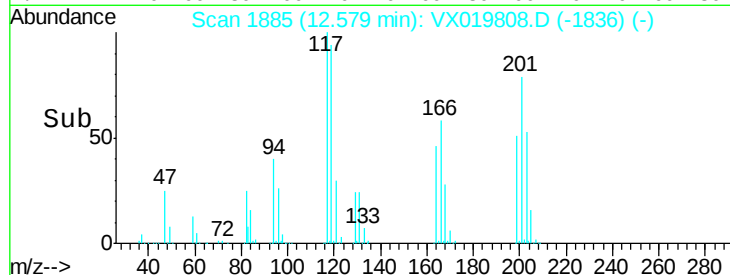
60000

40000

20000

0

Time-->



#91

1,2-Dichlorobenzene

Concen: 51.234 ug/l

RT: 12.37 min Scan# 1851

Delta R.T. -0.00 min

Lab File: VX019808.D

Acq: 10 Dec 2020 04:11

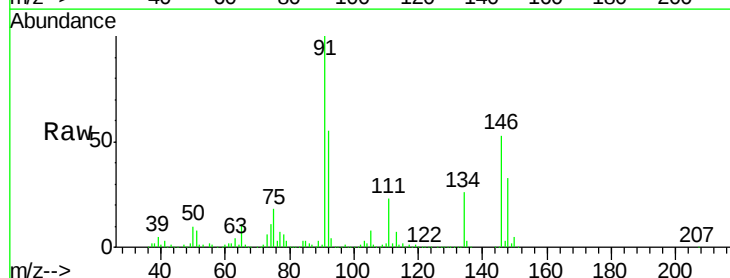
Tgt Ion:146 Resp: 335472

Ion Ratio Lower Upper

146 100

111 42.4 20.8 62.2

148 64.4 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

12.37

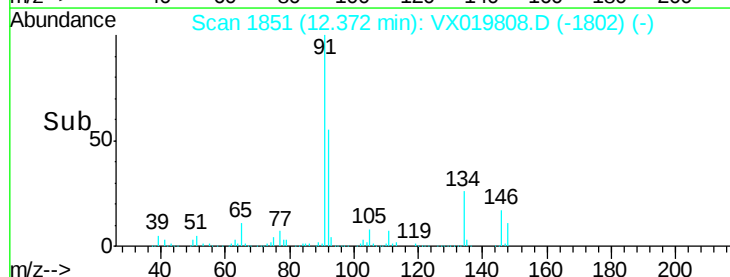
300000

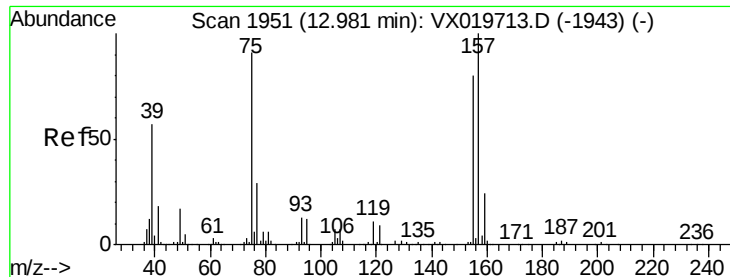
200000

100000

0

Time-->





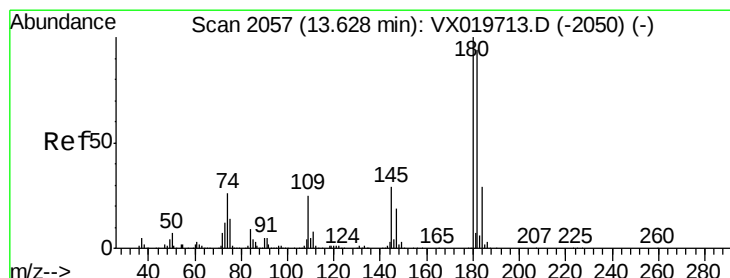
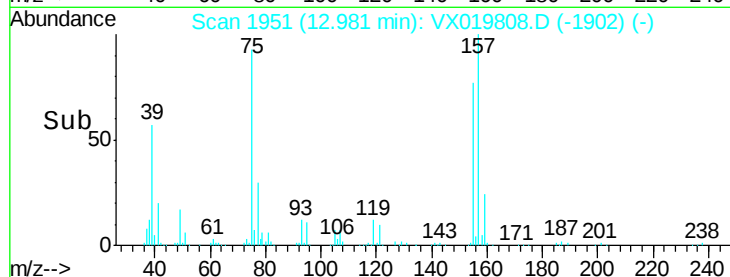
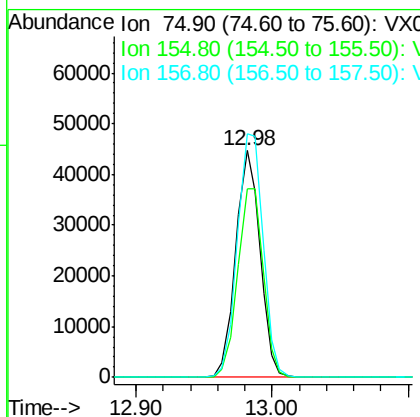
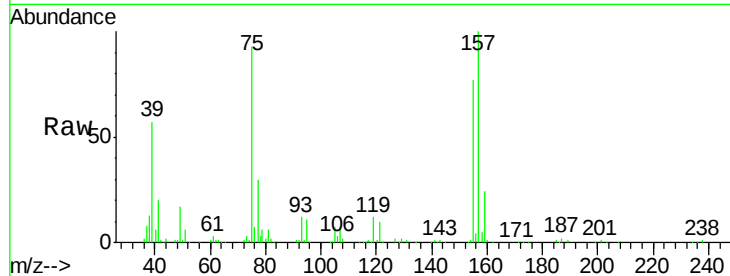
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.339 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VX019808.D
 Acq: 10 Dec 2020 04:11

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

Tot Ion: 75 Resp: 55646
 Ion Ratio Lower Upper
 75 100
 155 87.6 45.3 135.9
 157 113.7 57.7 173.1

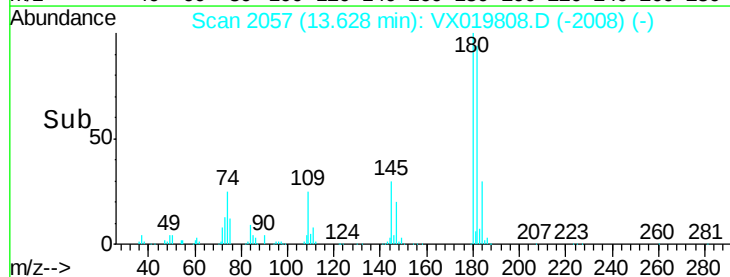
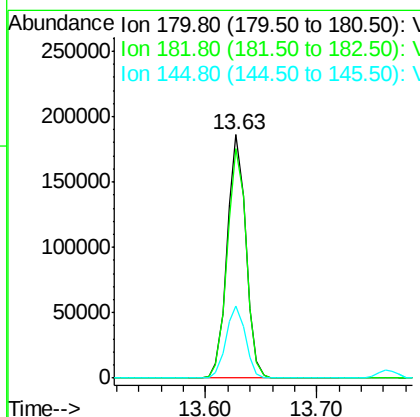
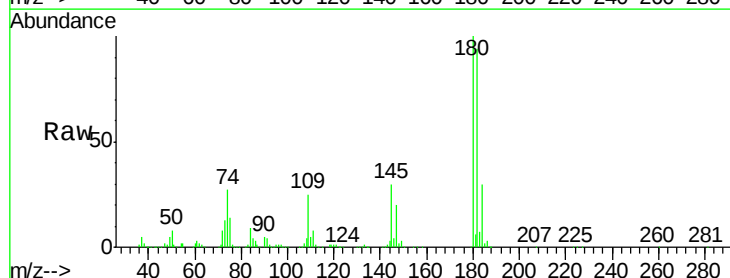
Manual Integrations
 APPROVED

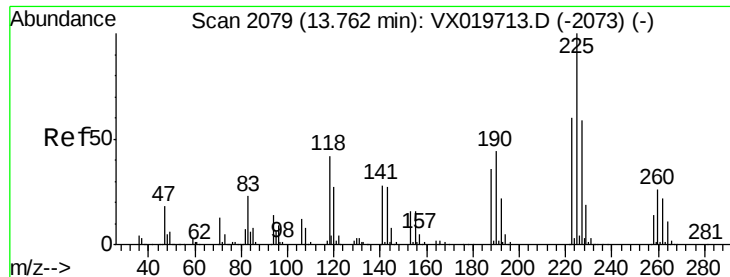
MMDadoda
 12/10/2020 9:31:18 AM



#93
 1,2,4-Trichlorobenzene
 Concen: 50.529 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX019808.D
 Acq: 10 Dec 2020 04:11

Tgt Ion: 180 Resp: 215372
 Ion Ratio Lower Upper
 180 100
 182 96.1 47.7 143.1
 145 30.7 15.0 45.0





#94

Hexachlorobutadiene

Concen: 48.091 ug/l

RT: 13.76 min Scan# 2079

Delta R.T. -0.00 min

Lab File: VX019808.D

Acq: 10 Dec 2020 04:11

Instrument :

MSVOA_X

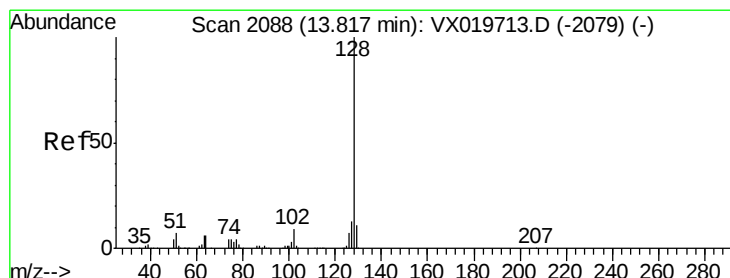
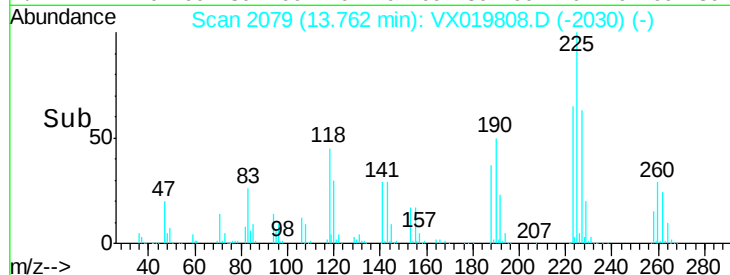
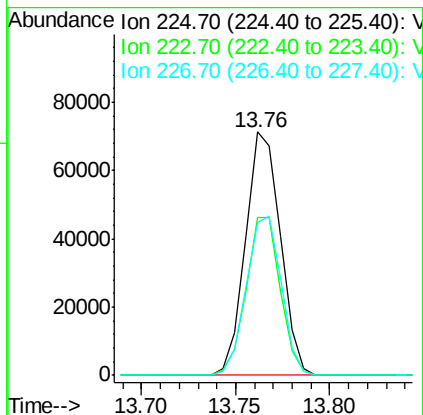
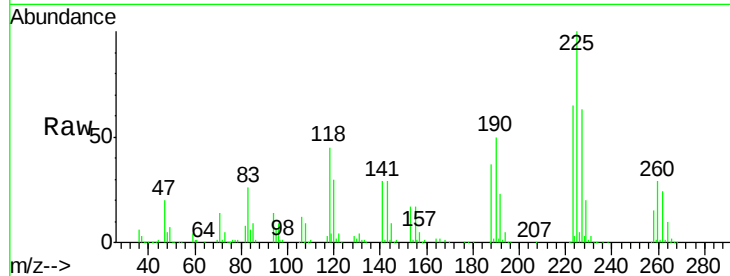
ClientSampleId :

TU032-32-5226-120820MSD

Tot Ion:	225	Resp:	91618
Ion Ratio	Lower	Upper	
225	100		
223	63.7	31.1	93.2
227	65.5	31.6	95.0

Manual Integrations
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#95

Naphthalene

Concen: 53.761 ug/l

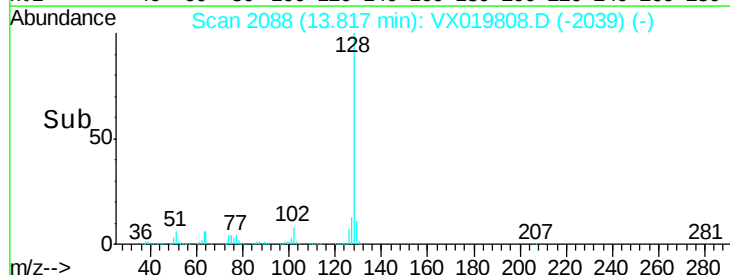
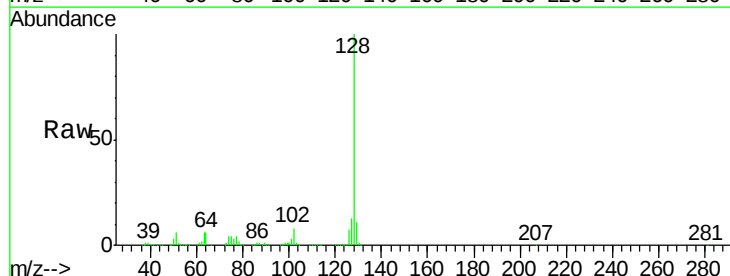
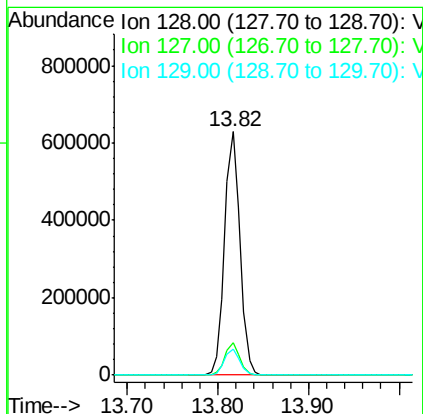
RT: 13.82 min Scan# 2088

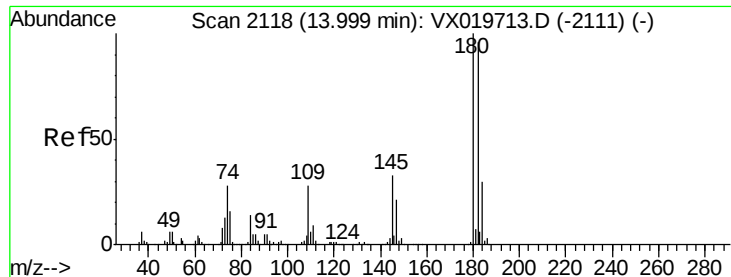
Delta R.T. -0.00 min

Lab File: VX019808.D

Acq: 10 Dec 2020 04:11

Tgt Ion:	128	Resp:	742904
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.3	15.5
129	10.8	8.8	13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 50.780 ug/l
 RT: 14.00 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VX019808.D
 Acq: 10 Dec 2020 04:11

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

Tot Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	94.9	47.6	142.9
145	32.5	16.1	48.3

Manual Integrations
 APPROVED

MMDadoda
 12/10/2020 9:31:18 AM

