

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120920\
 Data File : VX019797.D
 Acq On : 09 Dec 2020 23:55
 Operator : JC/MD
 Sample : VX1209WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1209WBS02

Manual Integrations
 APPROVED

MMDadoda
 12/10/2020 9:31:01 AM

Quant Time: Dec 10 06:51:26 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	276336	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	452525	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	417565	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	197052	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	170304	46.89	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	93.78%
35) Dibromofluoromethane	5.46	113	137742	47.10	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	94.20%
50) Toluene-d8	8.70	98	533877	47.82	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	95.64%
62) 4-Bromofluorobenzene	11.12	95	196143	46.15	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	92.30%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.18	85	47723	18.863	ug/l 98
3) Chloromethane	1.31	50	49200	16.536	ug/l 99
4) Vinyl Chloride	1.39	62	59090	18.835	ug/l 99
5) Bromomethane	1.62	94	31895	30.618	ug/l 98
6) Chloroethane	1.71	64	37869	20.094	ug/l 96
7) Trichlorofluoromethane	1.92	101	83459	19.102	ug/l 98
8) Diethyl Ether	2.17	74	34957	18.880	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.36	101	49050	19.586	ug/l 100
10) Methyl Iodide	2.49	142	52403	14.196	ug/l 99
11) Tert butyl alcohol	3.01	59	80429	106.216	ug/l 97
12) 1,1-Dichloroethene	2.36	96	49129	19.405	ug/l 100
13) Acrolein	2.27	56	26714	66.637	ug/l 99
14) Allyl chloride	2.70	41	77467	18.116	ug/l 98
15) Acrylonitrile	3.11	53	162248	98.819	ug/l 100
16) Acetone	2.42	43	127376	93.307	ug/l 98
17) Carbon Disulfide	2.55	76	120912	16.644	ug/l 100
18) Methyl Acetate	2.75	43	68895	20.624	ug/l 100
19) Methyl tert-butyl Ether	3.17	73	177951	19.300	ug/l 100
20) Methylene Chloride	2.83	84	60817	18.622	ug/l 99
21) trans-1,2-Dichloroethene	3.14	96	55100	18.667	ug/l 99
22) Diisopropyl ether	3.82	45	170144	19.680	ug/l 96
23) Vinyl Acetate	3.78	43	711411	96.585	ug/l 99
24) 1,1-Dichloroethane	3.67	63	100485	19.274	ug/l 99
25) 2-Butanone	4.63	43	205156	97.802	ug/l 98
26) 2,2-Dichloropropane	4.55	77	72224	16.087	ug/l 99
27) cis-1,2-Dichloroethene	4.56	96	65274	18.896	ug/l 98
28) Bromochloromethane	4.98	49	49454	19.898	ug/l 99
29) Tetrahydrofuran	5.09	42	131951	97.633	ug/l 99
30) Chloroform	5.17	83	104680	19.527	ug/l 98
31) Cyclohexane	5.55	56	86000	19.036	ug/l 97
32) 1,1,1-Trichloroethane	5.46	97	88169	19.099	ug/l 100
36) 1,1-Dichloropropene	5.76	75	75701	18.513	ug/l 99
37) Ethyl Acetate	4.79	43	77985	18.889	ug/l 99
38) Carbon Tetrachloride	5.75	117	73658	18.395	ug/l 96

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 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	85020	17.697	ug/l	98
40) Benzene	6.11	78	238330	19.080	ug/l	98
41) Methacrylonitrile	5.00	41	41912	18.489	ug/l	95
42) 1,2-Dichloroethane	6.16	62	82862	19.415	ug/l	100
43) Isopropyl Acetate	6.41	43	125578	18.708	ug/l	100
44) Trichloroethene	7.19	130	61428	18.743	ug/l	95
45) 1,2-Dichloropropane	7.49	63	59841	19.168	ug/l	97
46) Dibromomethane	7.63	93	40173	19.055	ug/l	98
47) Bromodichloromethane	7.87	83	78085	18.665	ug/l	99
48) Methyl methacrylate	7.74	41	61235	18.549	ug/l	100
49) 1,4-Dioxane	7.71	88	30651	383.274	ug/l	99
51) 4-Methyl-2-Pentanone	8.62	43	401266	97.914	ug/l	100
52) Toluene	8.76	92	148298	18.982	ug/l	99
53) t-1,3-Dichloropropene	9.02	75	81172	17.485	ug/l	99
54) cis-1,3-Dichloropropene	8.42	75	90769	17.997	ug/l	99
55) 1,1,2-Trichloroethane	9.20	97	61602	19.567	ug/l	99
56) Ethyl methacrylate	9.16	69	89088	18.703	ug/l	100
57) 1,3-Dichloropropane	9.35	76	102733	19.110	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.29	63	247708	98.164	ug/l	100
59) 2-Hexanone	9.47	43	302313	95.168	ug/l	100
60) Dibromochloromethane	9.56	129	59703	18.665	ug/l	100
61) 1,2-Dibromoethane	9.65	107	63555	19.011	ug/l	100
64) Tetrachloroethene	9.32	164	54013	19.289	ug/l	95
65) Chlorobenzene	10.12	112	155179	18.653	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.20	131	56914	19.008	ug/l	99
67) Ethyl Benzene	10.23	91	276633	18.734	ug/l	98
68) m/p-Xylenes	10.34	106	208053	37.391	ug/l	100
69) o-Xylene	10.68	106	98900	18.477	ug/l	99
70) Styrene	10.70	104	165922	18.365	ug/l	99
71) Bromoform	10.84	173	42518	18.050	ug/l #	100
73) Isopropylbenzene	11.00	105	268148	19.918	ug/l	99
74) N-amyl acetate	10.88	43	100598	18.647	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.25	83	96232	20.275	ug/l	100
76) 1,2,3-Trichloropropane	11.28	75	86826m	19.646	ug/l	
77) Bromobenzene	11.24	156	67260	19.523	ug/l	100
78) n-propylbenzene	11.34	91	300947	19.572	ug/l	99
79) 2-Chlorotoluene	11.40	91	184207	19.454	ug/l	100
80) 1,3,5-Trimethylbenzene	11.49	105	227067	19.985	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.05	75	25746	16.840	ug/l	93
82) 4-Chlorotoluene	11.49	91	215822	19.461	ug/l	98
83) tert-Butylbenzene	11.76	119	217519	19.520	ug/l	98
84) 1,2,4-Trimethylbenzene	11.79	105	225380	19.692	ug/l	100
85) sec-Butylbenzene	11.93	105	251275	19.750	ug/l	99
86) p-Isopropyltoluene	12.05	119	225484	19.338	ug/l	99
87) 1,3-Dichlorobenzene	12.01	146	118930	18.808	ug/l	99
88) 1,4-Dichlorobenzene	12.08	146	121502	18.866	ug/l	99
89) n-Butylbenzene	12.37	91	188995	18.295	ug/l	98
90) Hexachloroethane	12.58	117	37668	18.712	ug/l	95
91) 1,2-Dichlorobenzene	12.37	146	121127	19.651	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.98	75	19886	19.489	ug/l	96

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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)
93) 1,2,4-Trichlorobenzene	13.63	180	73945	18.429	ug/l	97
94) Hexachlorobutadiene	13.76	225	33398	18.623	ug/l	98
95) Naphthalene	13.82	128	253430	19.482	ug/l	100
96) 1,2,3-Trichlorobenzene	14.00	180	75482	19.249	ug/l	99

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

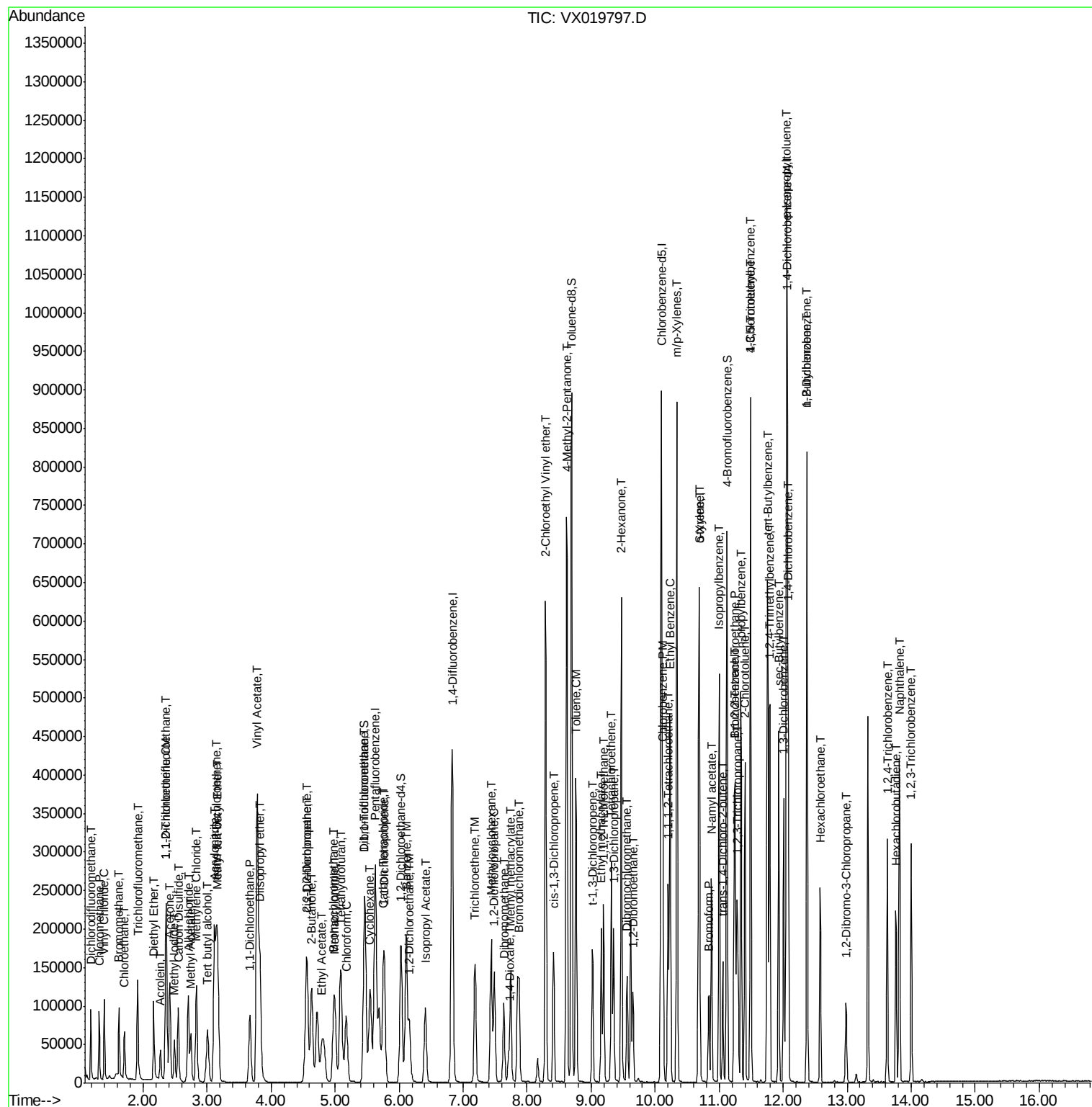
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Data File : VX019797.D
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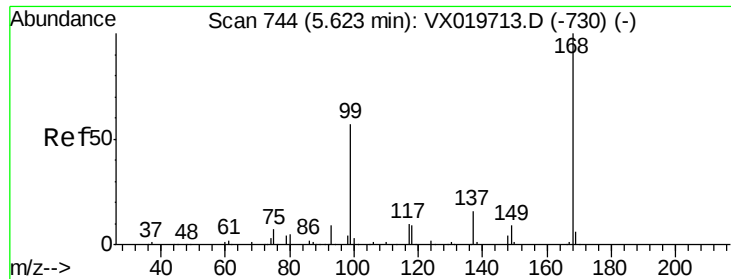
Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS02

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.01 min

Lab File: VX019797.D

Acq: 09 Dec 2020 23:55

Instrument :

MSVOA_X

ClientSampleId :

VX1209WBS02

Tot Ion:168 Resp: 276336

Ion Ratio Lower Upper

168 100

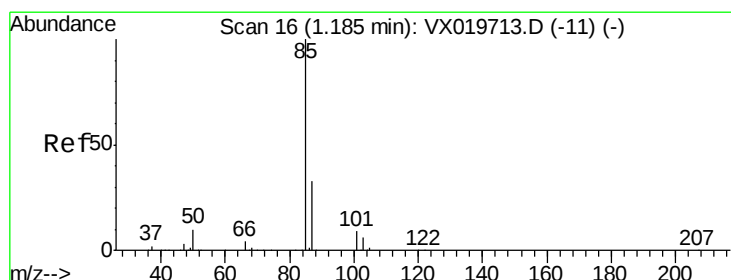
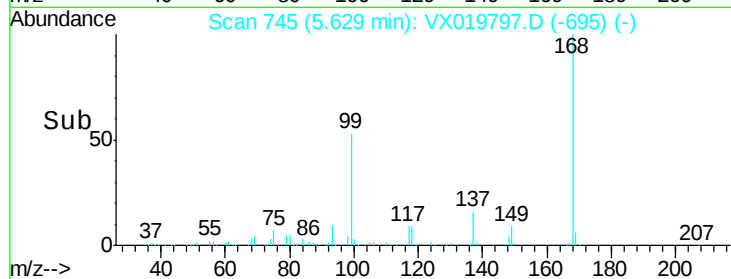
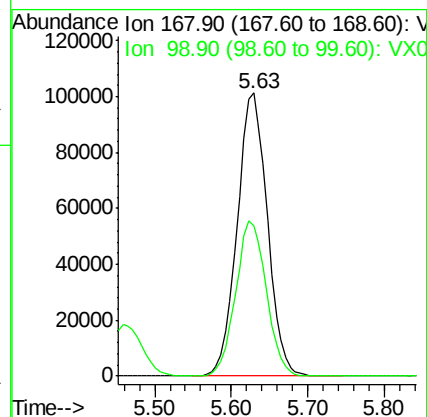
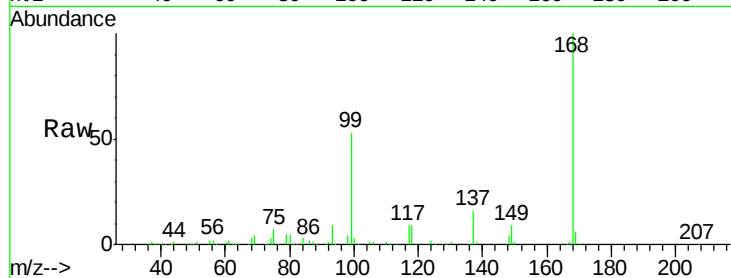
99 53.1 45.8 68.6

Manual Integrations

APPROVED

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12/10/2020 9:31:01 AM



#2

Dichlorodifluoromethane

Concen: 18.863 ug/l

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX019797.D

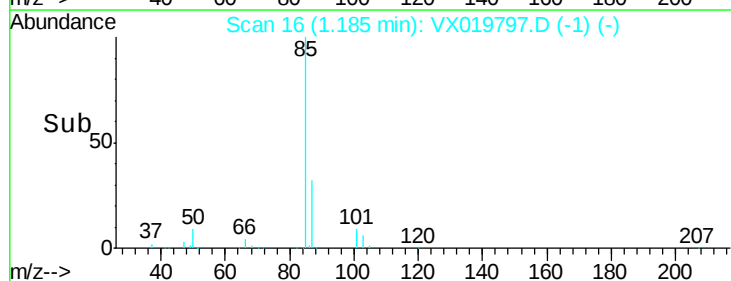
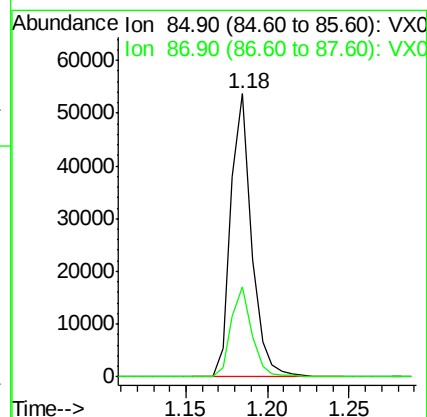
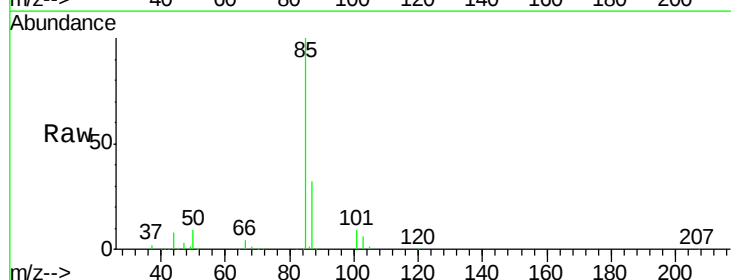
Acq: 09 Dec 2020 23:55

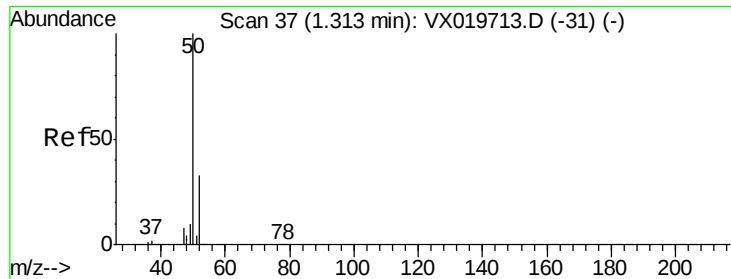
Tgt Ion: 85 Resp: 47723

Ion Ratio Lower Upper

85 100

87 31.8 16.4 49.2





#3

Chloromethane

Concen: 16.536 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX019797.D

Acq: 09 Dec 2020 23:55

Instrument :

MSVOA_X

ClientSampleId :

VX1209WBS02

Tot Ion: 50 Resp: 49200

Ion Ratio Lower Upper

50 100

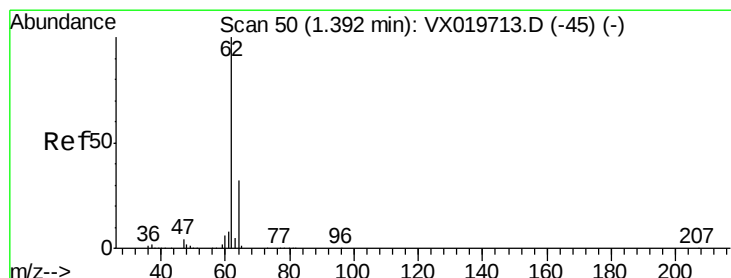
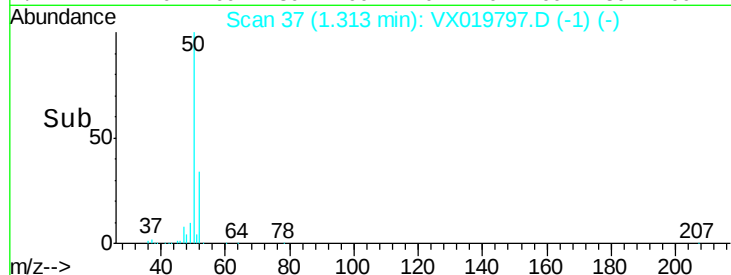
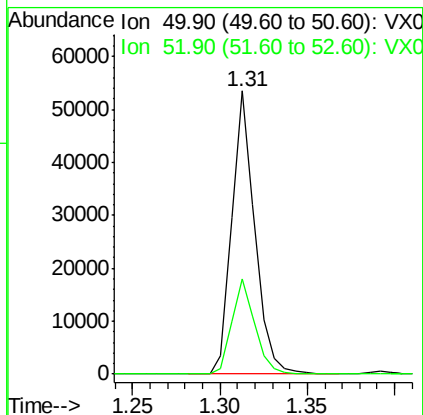
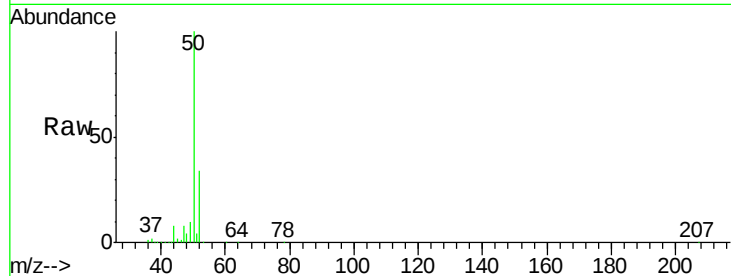
52 33.7 26.4 39.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.835 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX019797.D

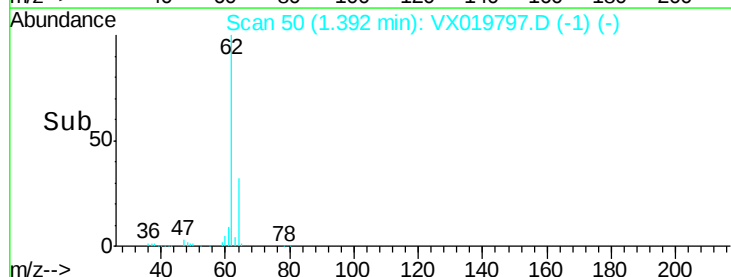
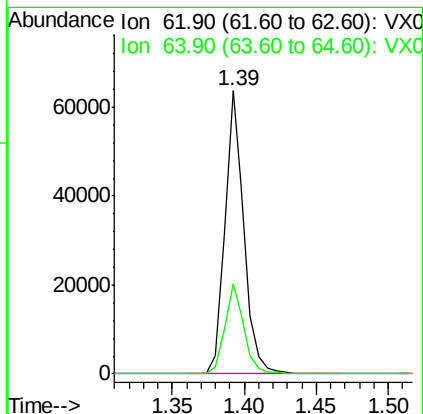
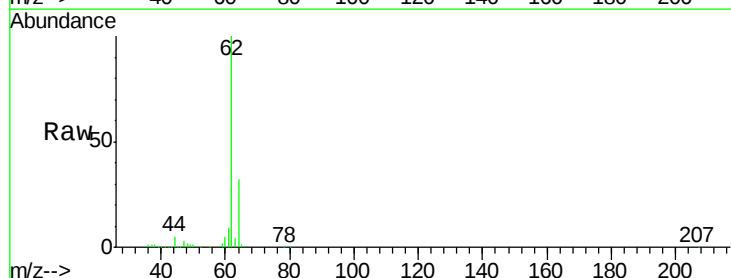
Acq: 09 Dec 2020 23:55

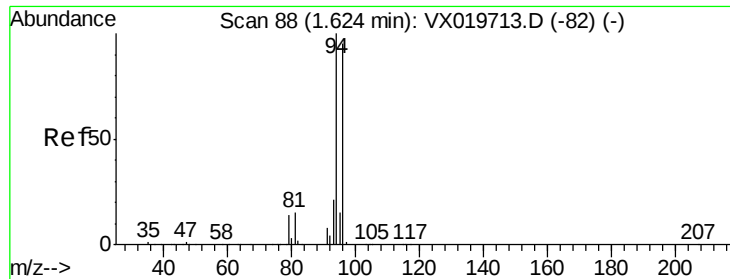
Tgt Ion: 62 Resp: 59090

Ion Ratio Lower Upper

62 100

64 31.5 25.7 38.5





#5

Bromomethane

Concen: 30.618 ug/l

RT: 1.62 min Scan# 88

Delta R.T. 0.00 min

Lab File: VX019797.D

Acq: 09 Dec 2020 23:55

Instrument :

MSVOA_X

ClientSampleId :

VX1209WBS02

Tot Ion: 94 Resp: 31895

Ion Ratio Lower Upper

94 100

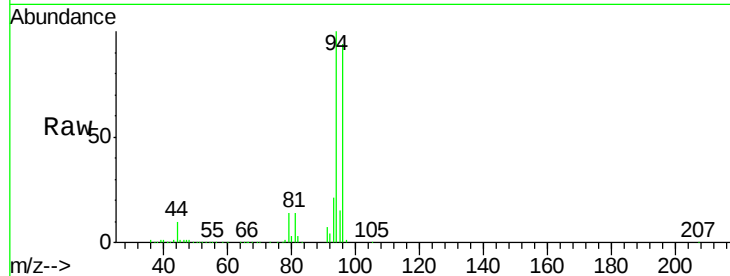
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Manual Integrations

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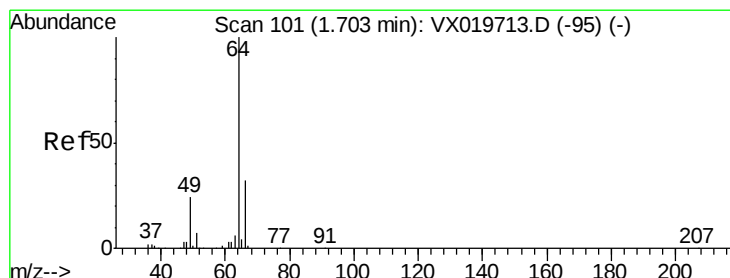
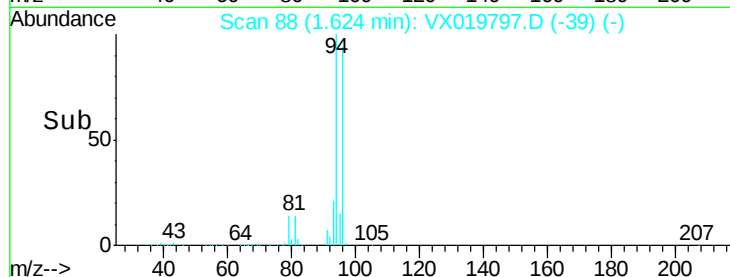
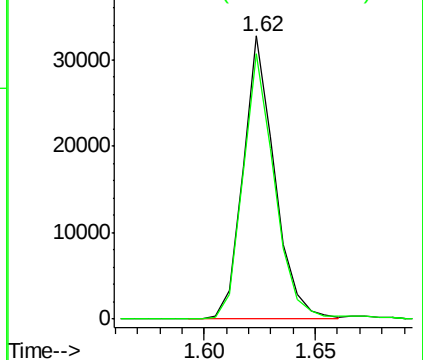
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 20.094 ug/l

RT: 1.71 min Scan# 102

Delta R.T. 0.01 min

Lab File: VX019797.D

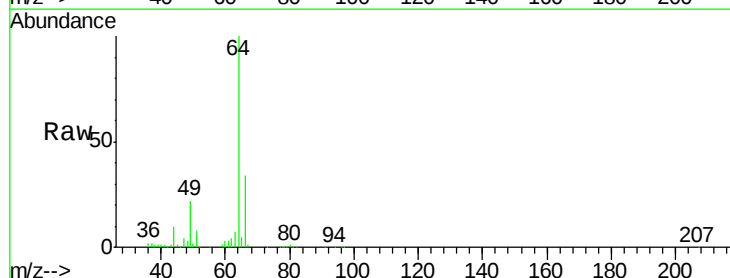
Acq: 09 Dec 2020 23:55

Tgt Ion: 64 Resp: 37869

Ion Ratio Lower Upper

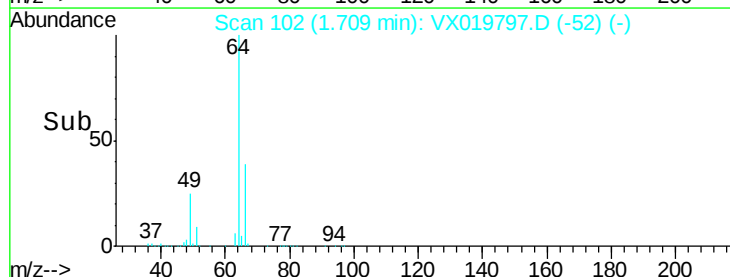
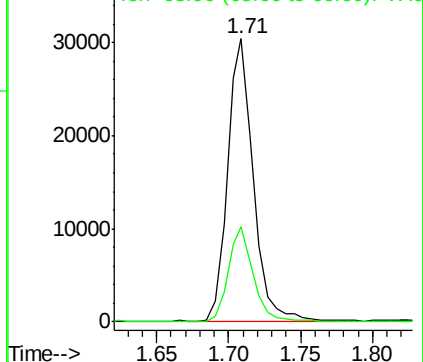
64 100

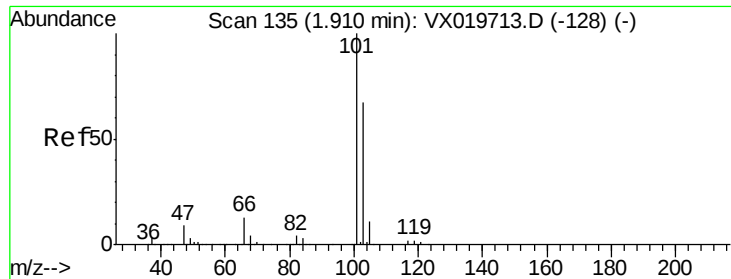
66 33.7 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

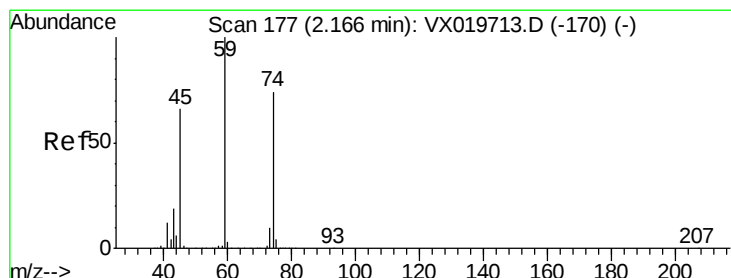
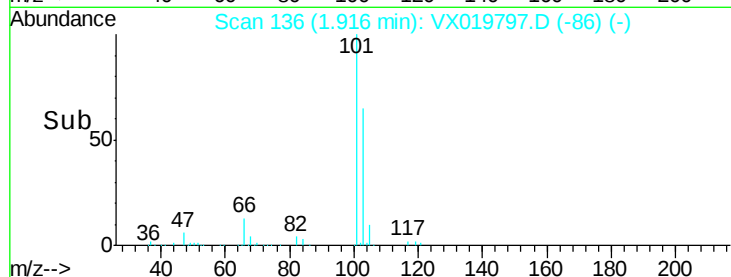
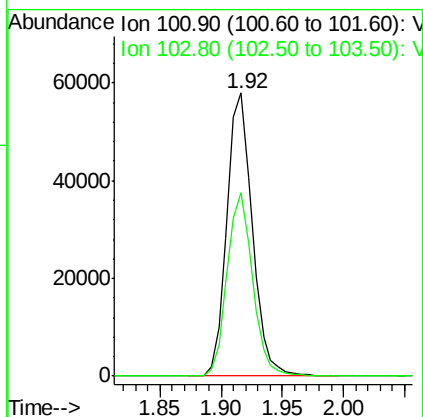
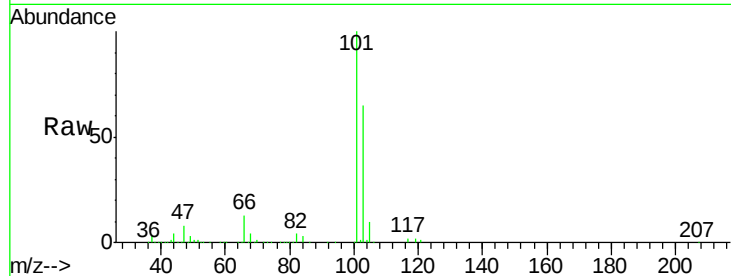
Trichlorofluoromethane
Concen: 19.102 ug/l
RT: 1.92 min Scan# 136
Delta R.T. 0.01 min
Lab File: VX019797.D
Acq: 09 Dec 2020 23:55

Instrument :
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ClientSampleId :
VX1209WBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.9	53.2	79.8

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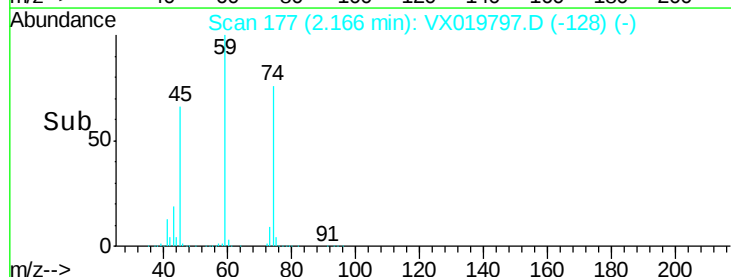
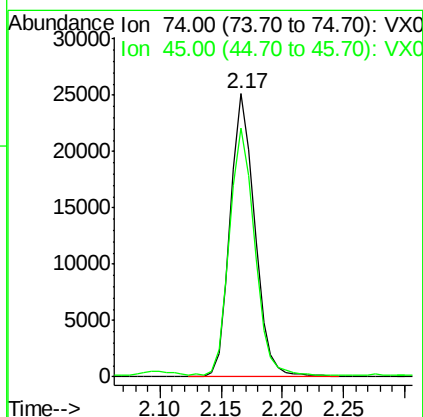
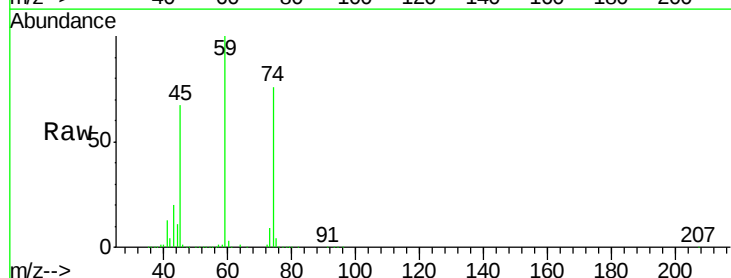
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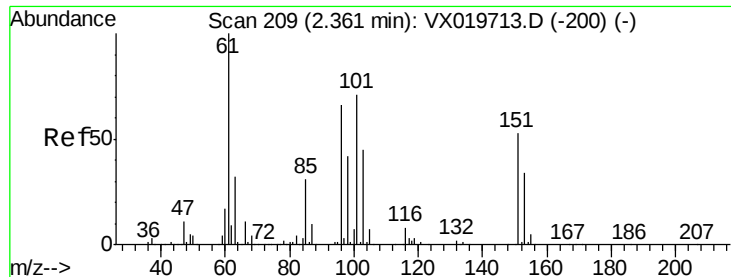


#8

Diethyl Ether
Concen: 18.880 ug/l
RT: 2.17 min Scan# 177
Delta R.T. -0.00 min
Lab File: VX019797.D
Acq: 09 Dec 2020 23:55

Tgt Ion	Ratio	Lower	Upper
74	100		
45	89.5	44.5	133.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.586 ug/l

RT: 2.36 min Scan# 209

Delta R.T. -0.00 min

Lab File: VX019797.D

Acq: 09 Dec 2020 23:55

Instrument :

MSVOA_X

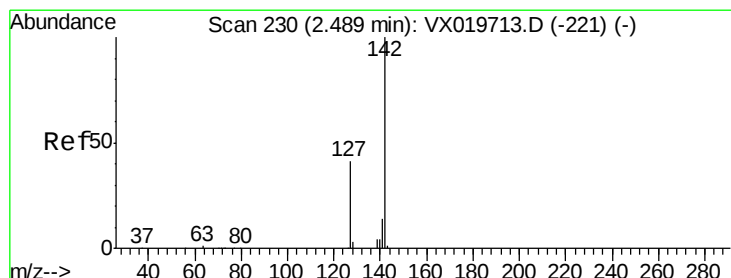
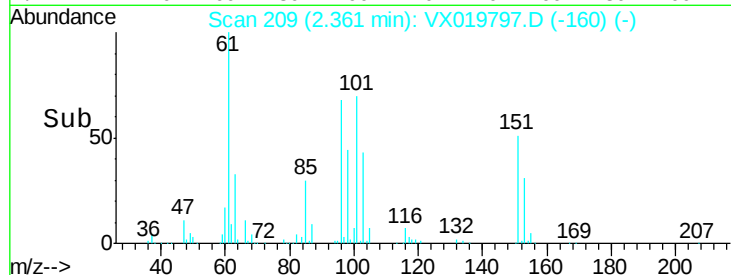
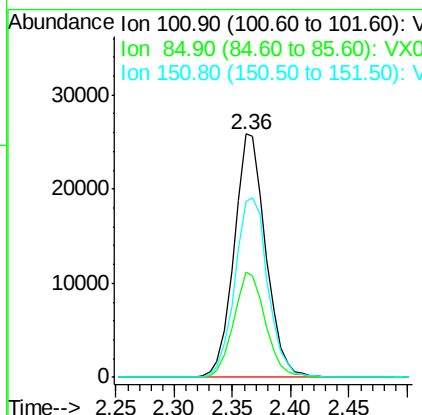
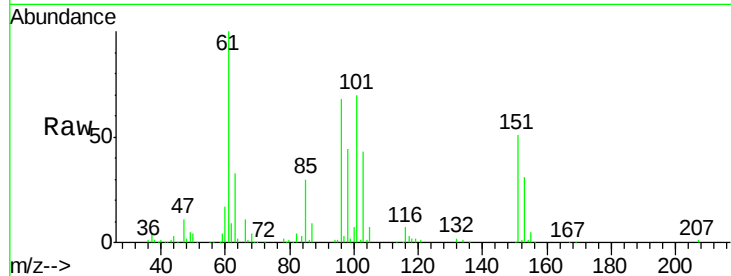
ClientSampleId :

VX1209WBS02

Tot Ion:	101	Resp:	49050
Ion Ratio	Lower	Upper	
101	100		
85	43.1	34.9	52.3
151	76.7	61.4	92.2

Manual Integrations
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12/10/2020 9:31:01 AM



#10

Methyl Iodide

Concen: 14.196 ug/l

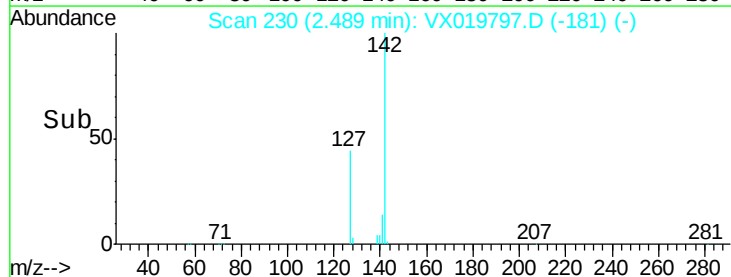
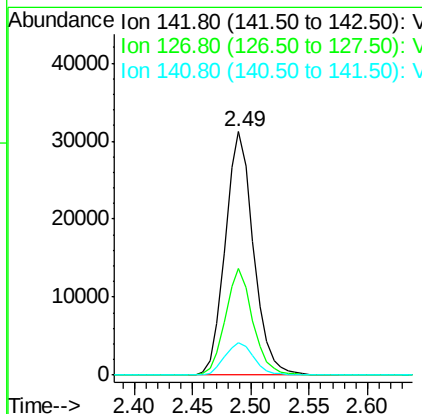
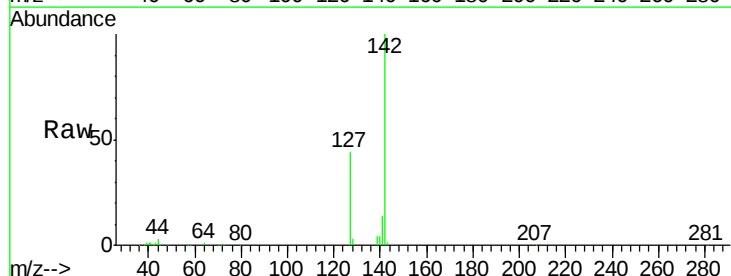
RT: 2.49 min Scan# 230

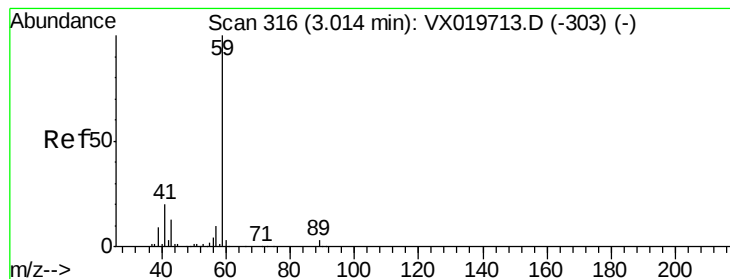
Delta R.T. -0.00 min

Lab File: VX019797.D

Acq: 09 Dec 2020 23:55

Tgt Ion:	142	Resp:	52403
Ion Ratio	Lower	Upper	
142	100		
127	42.6	33.3	49.9
141	14.0	11.4	17.0





#11

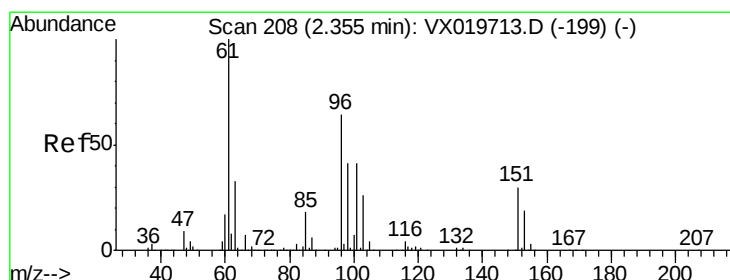
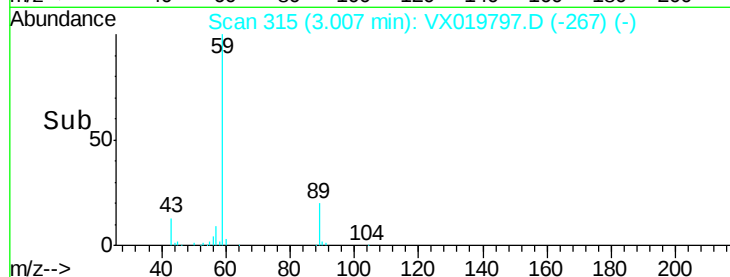
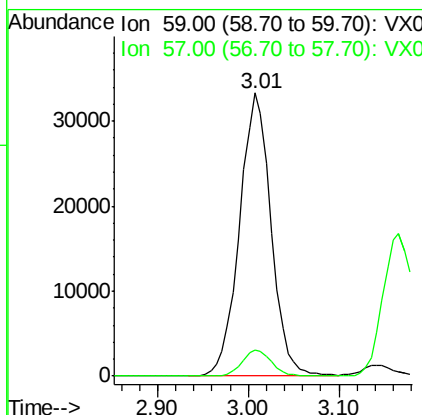
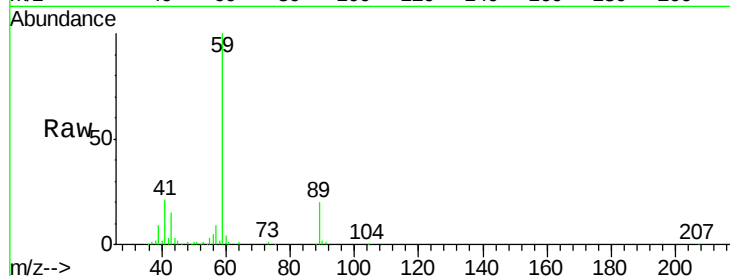
Tert butyl alcohol
Concen: 106.216 ug/l
RT: 3.01 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX019797.D
Acq: 09 Dec 2020 23:55

Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS02

Tot Ion	59	57	Ratio	100	8.7	Resp	80429	Lower	7.8	Upper	11.8
Ion	59	57	Ratio	100	8.7	Resp	80429	Lower	7.8	Upper	11.8

Manual Integrations
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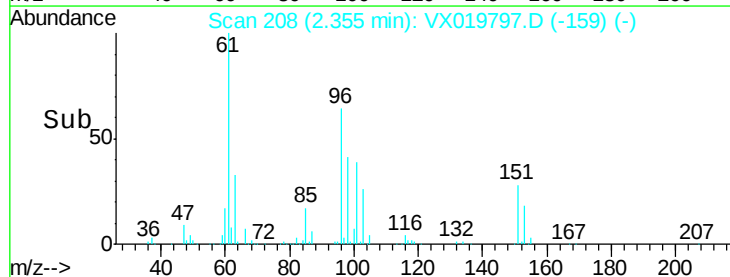
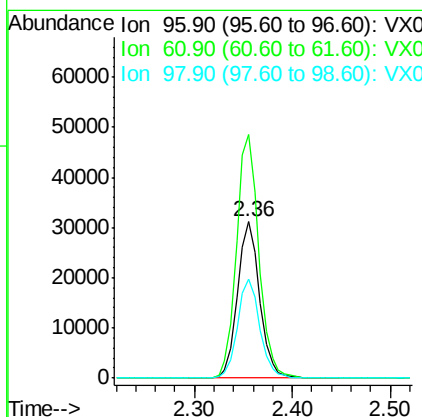
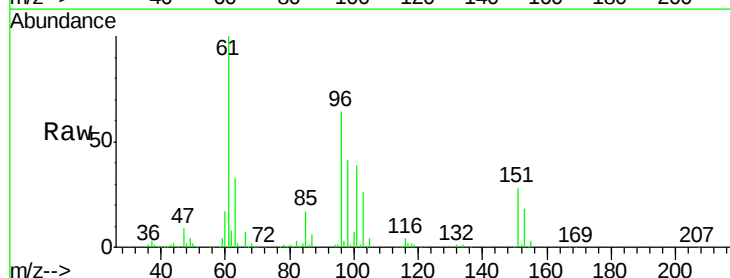
MMDadoda
12/10/2020 9:31:01 AM

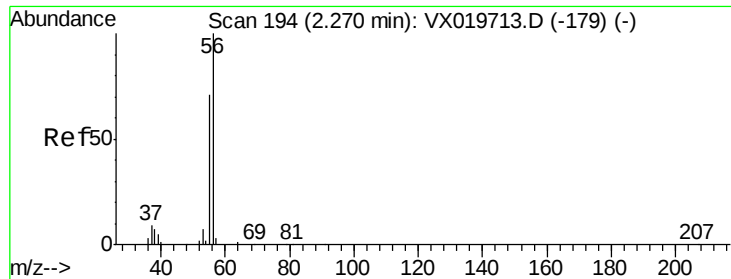


#12

1,1-Dichloroethene
Concen: 19.405 ug/l
RT: 2.36 min Scan# 208
Delta R.T. -0.00 min
Lab File: VX019797.D
Acq: 09 Dec 2020 23:55

Tgt Ion	96	61	98	Ratio	100	156.0	63.5	Resp	49129	Lower	124.6	50.6	Upper	187.0	76.0
Ion	96	61	98	Ratio	100	156.0	63.5	Resp	49129	Lower	124.6	50.6	Upper	187.0	76.0





#13

Acrolein

Concen: 66.637 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX019797.D

Acq: 09 Dec 2020 23:55

Instrument :

MSVOA_X

ClientSampleId :

VX1209WBS02

Tot Ion: 56 Resp: 26714

Ion Ratio Lower Upper

56 100

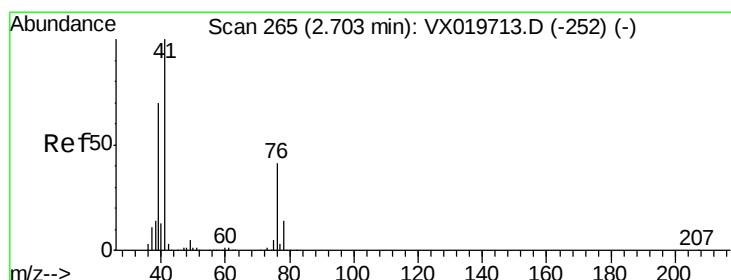
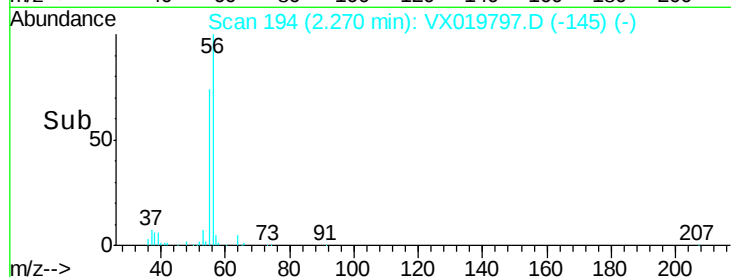
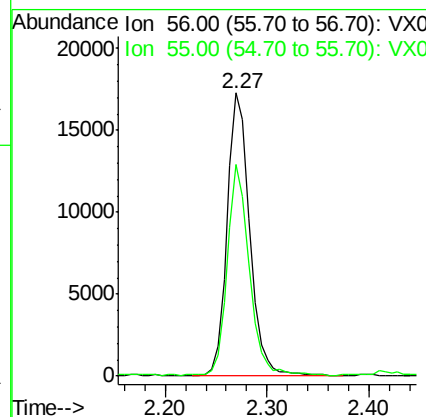
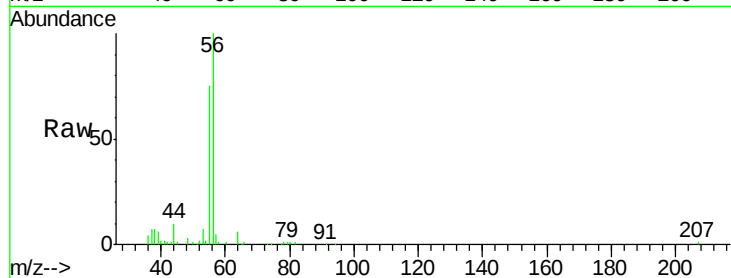
55 71.6 56.4 84.6

Manual Integrations

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MMDadoda

12/10/2020 9:31:01 AM



#14

Allyl chloride

Concen: 18.116 ug/l

RT: 2.70 min Scan# 265

Delta R.T. -0.00 min

Lab File: VX019797.D

Acq: 09 Dec 2020 23:55

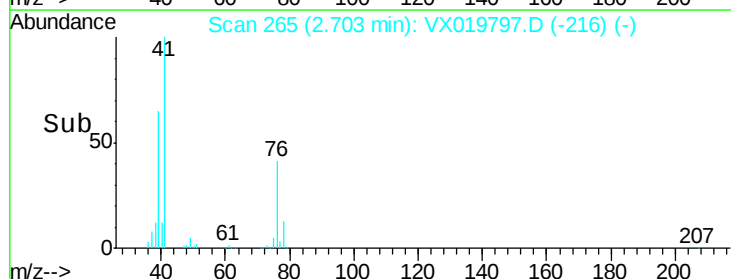
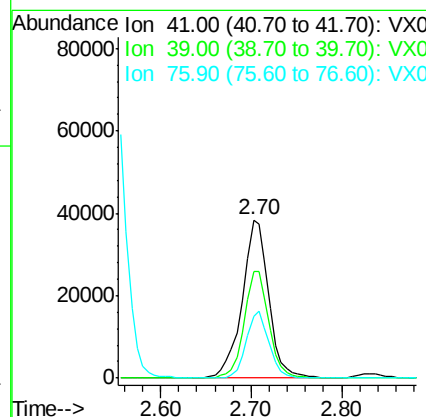
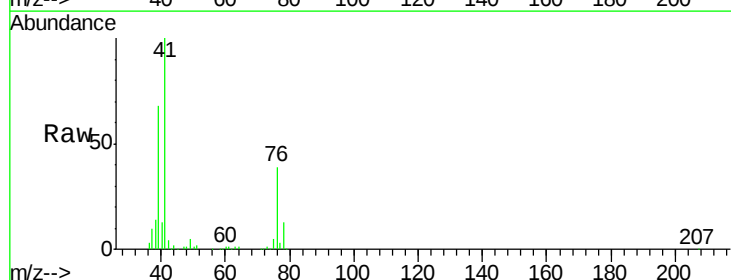
Tgt Ion: 41 Resp: 77467

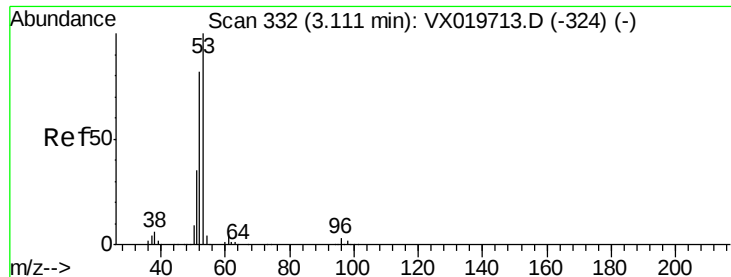
Ion Ratio Lower Upper

41 100

39 63.4 51.6 77.4

76 36.4 30.5 45.7





#15

Acrylonitrile

Concen: 98.819 ug/l

RT: 3.11 min Scan# 332

Delta R.T. -0.00 min

Lab File: VX019797.D

Acq: 09 Dec 2020 23:55

Instrument :

MSVOA_X

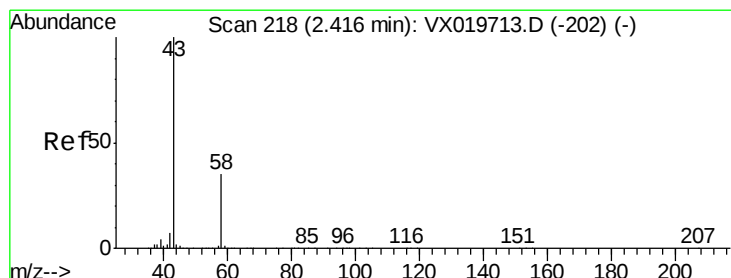
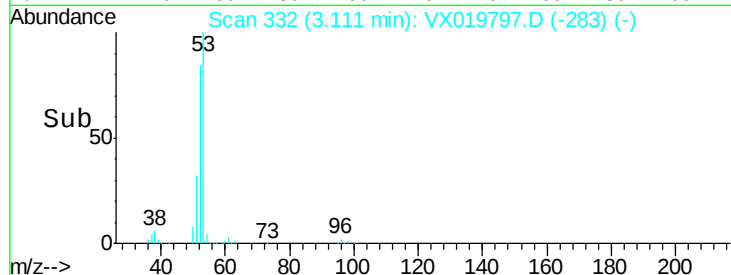
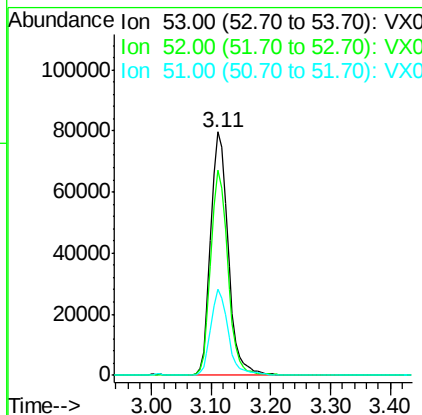
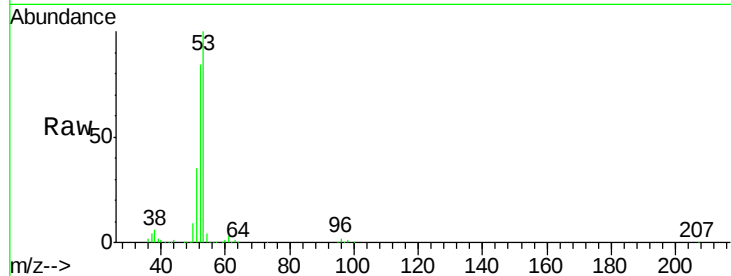
ClientSampleId :

VX1209WBS02

Tot Ion:	53	Resp:	162248
Ion	Ratio	Lower	Upper
53	100		
52	82.0	65.3	97.9
51	35.0	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 93.307 ug/l

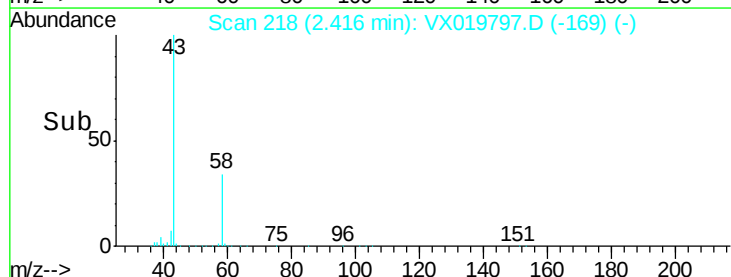
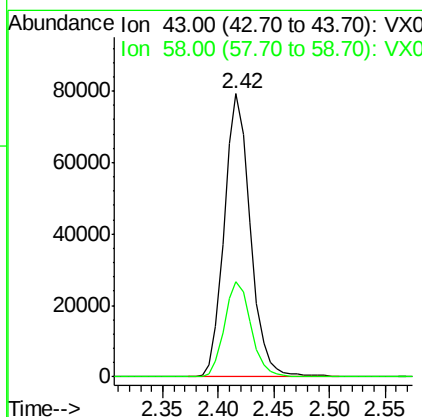
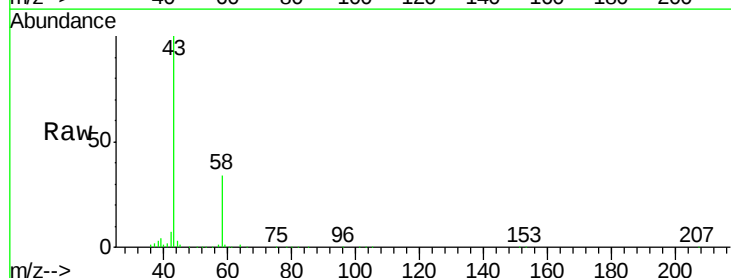
RT: 2.42 min Scan# 218

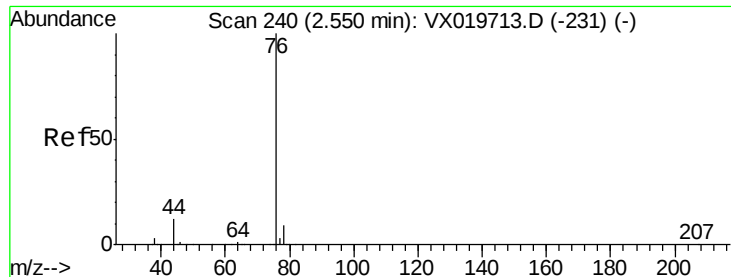
Delta R.T. -0.00 min

Lab File: VX019797.D

Acq: 09 Dec 2020 23:55

Tgt Ion:	43	Resp:	127376
Ion	Ratio	Lower	Upper
43	100		
58	33.9	27.8	41.8





#17

Carbon Disulfide

Concen: 16.644 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX019797.D

Acq: 09 Dec 2020 23:55

Instrument :

MSVOA_X

ClientSampleId :

VX1209WBS02

Tot Ion: 76 Resp: 120912

Ion Ratio Lower Upper

76 100

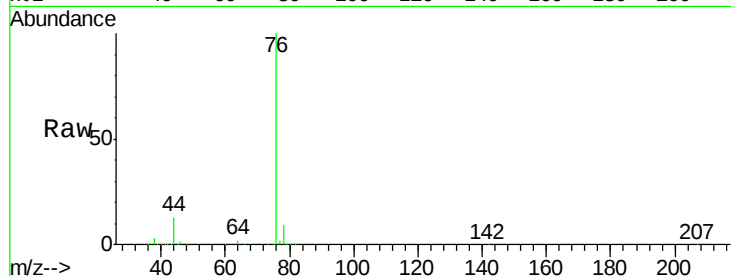
78 9.0 7.2 10.8

Manual Integrations

APPROVED

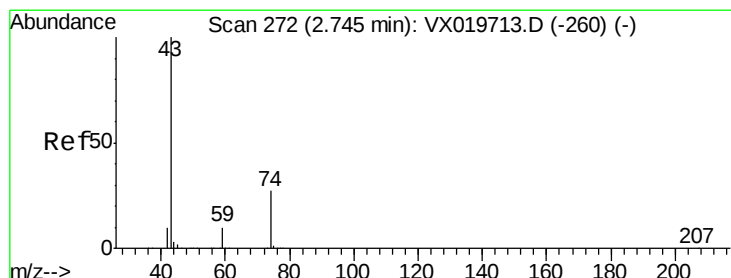
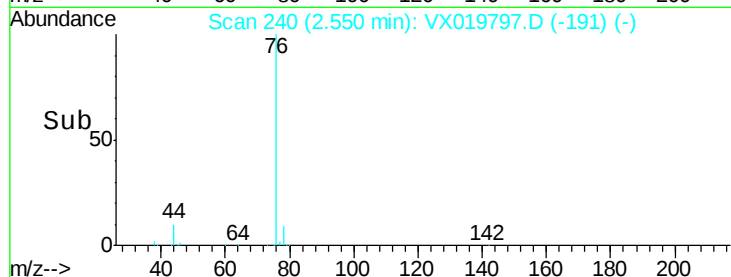
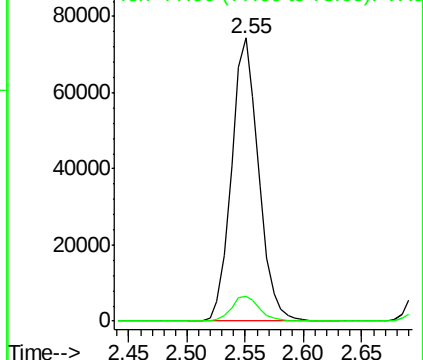
MMDadoda

12/10/2020 9:31:01 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 20.624 ug/l

RT: 2.75 min Scan# 272

Delta R.T. -0.00 min

Lab File: VX019797.D

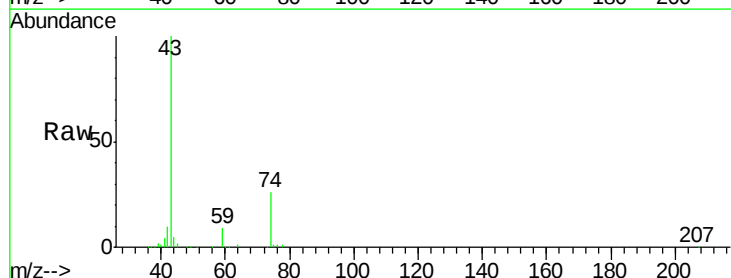
Acq: 09 Dec 2020 23:55

Tgt Ion: 43 Resp: 68895

Ion Ratio Lower Upper

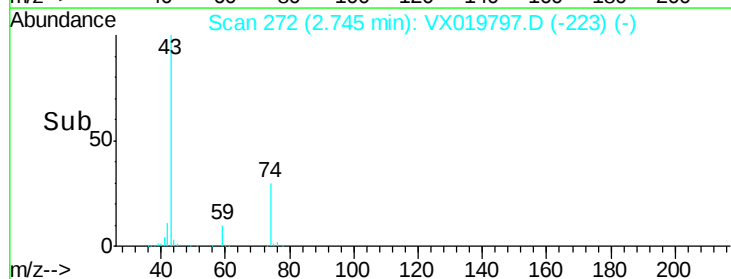
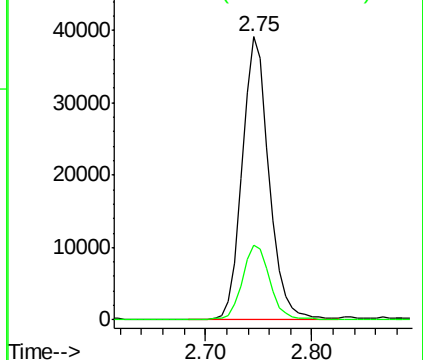
43 100

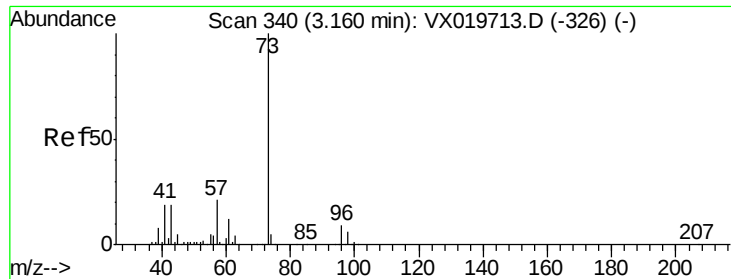
74 27.4 21.9 32.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





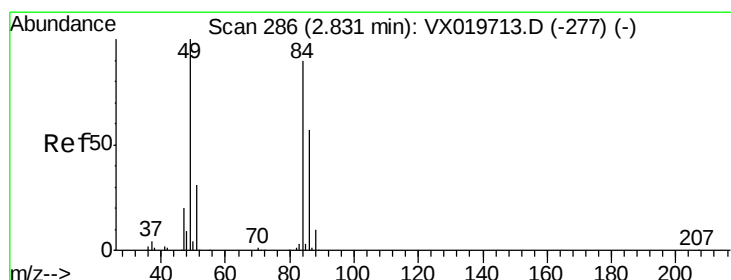
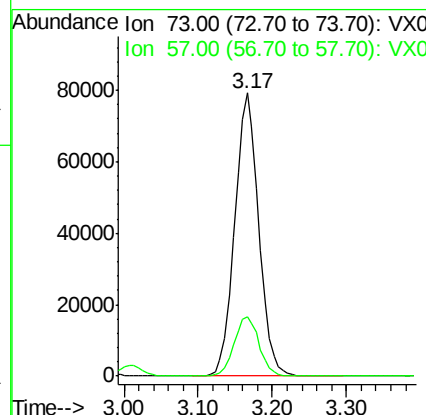
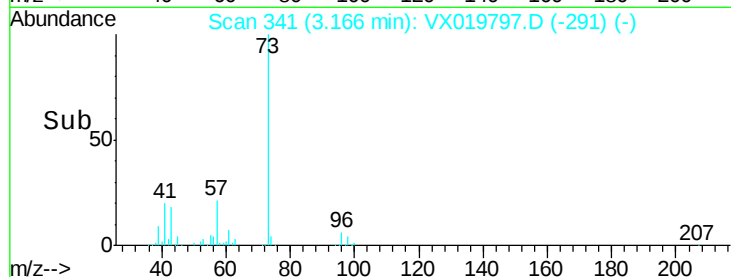
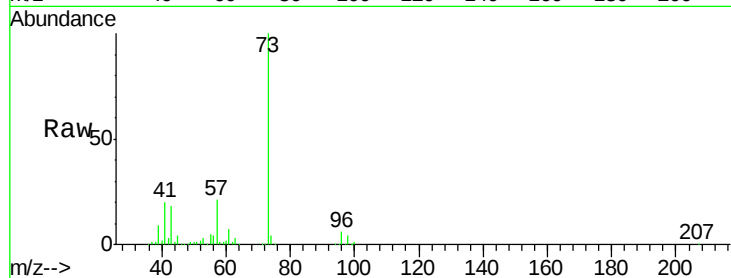
#19
Methvl tert-butvl Ether
Concen: 19.300 ug/l
RT: 3.17 min Scan# 341
Delta R.T. 0.01 min
Lab File: VX019797.D
Acq: 09 Dec 2020 23:55

Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS02

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.2	17.1	25.7

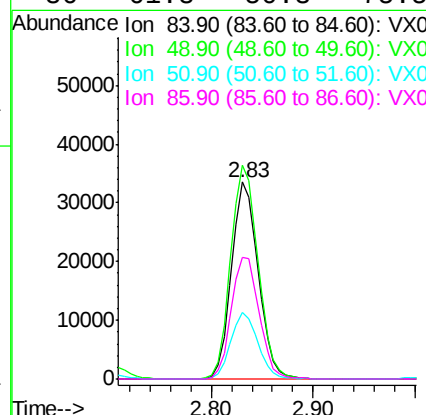
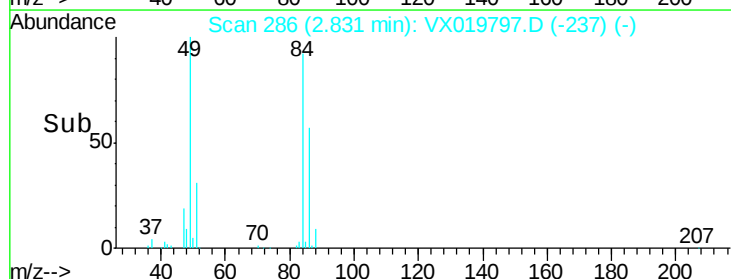
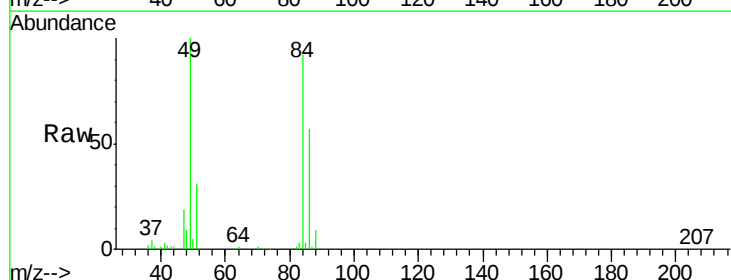
Manual Integrations
APPROVED

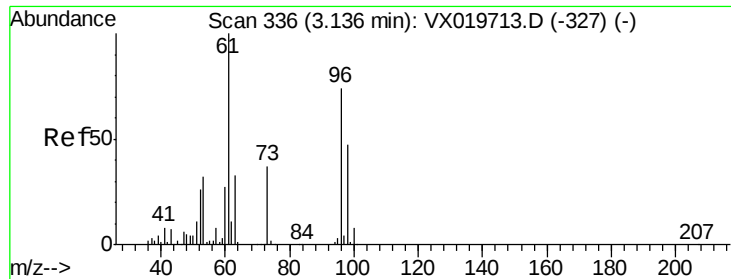
MMDadoda
12/10/2020 9:31:01 AM



#20
Methylene Chloride
Concen: 18.622 ug/l
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX019797.D
Acq: 09 Dec 2020 23:55

Tgt Ion	Ratio	Lower	Upper
84	100		
49	108.7	88.6	132.8
51	33.9	27.0	40.6
86	61.8	50.3	75.5





#21

trans-1,2-Dichloroethene

Concen: 18.667 ug/l

RT: 3.14 min Scan# 337

Delta R.T. 0.01 min

Lab File: VX019797.D

Acq: 09 Dec 2020 23:55

Instrument :

MSVOA_X

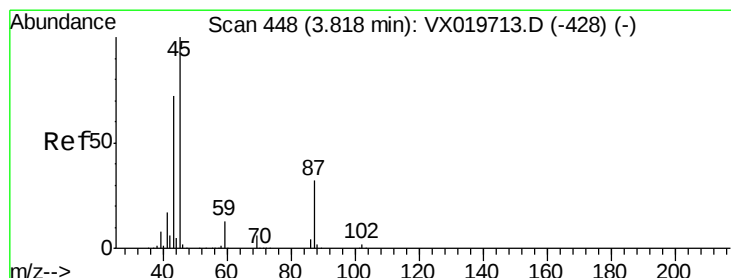
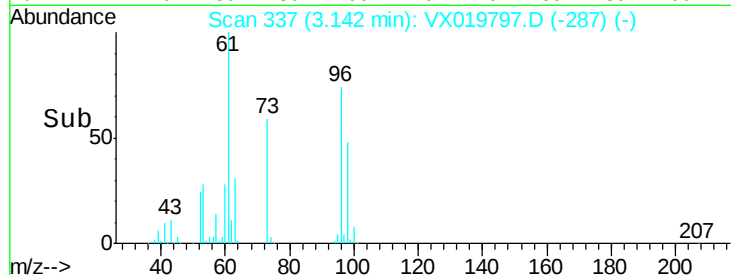
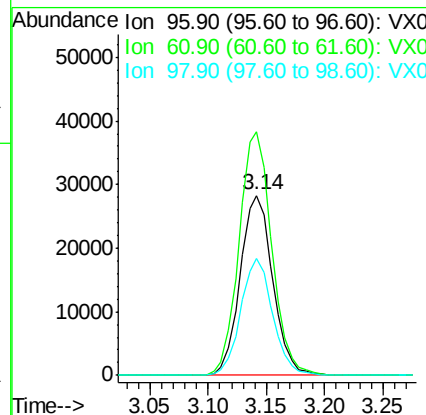
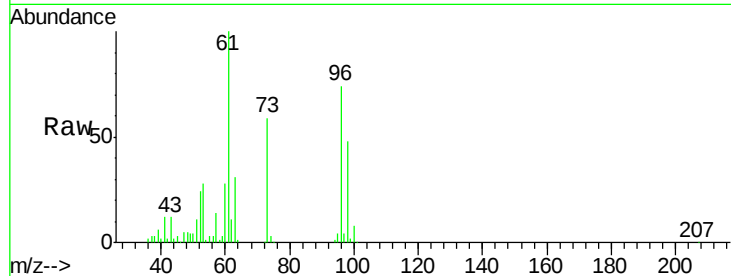
ClientSampleId :

VX1209WBS02

Tot Ion:	96	Resp:	55100
Ion	Ratio	Lower	Upper
96	100		
61	135.5	107.7	161.5
98	64.9	50.4	75.6

Manual Integrations
APPROVED

MMDadoda
12/10/2020 9:31:01 AM



#22

Diisopropyl ether

Concen: 19.680 ug/l

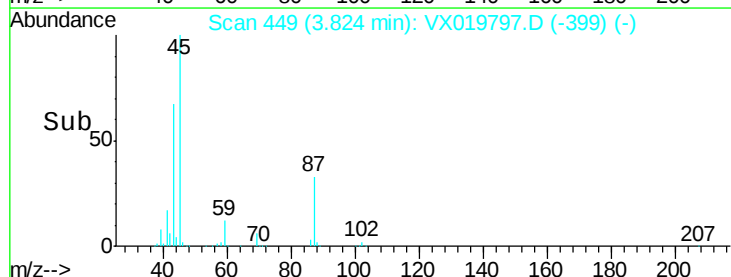
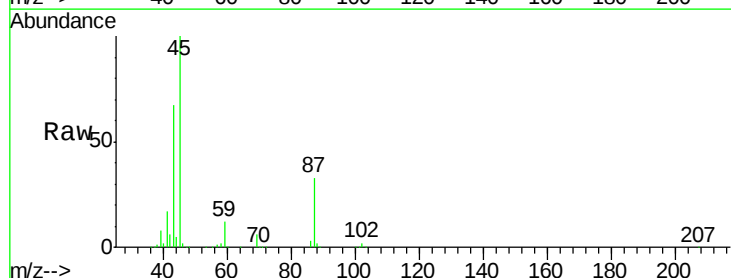
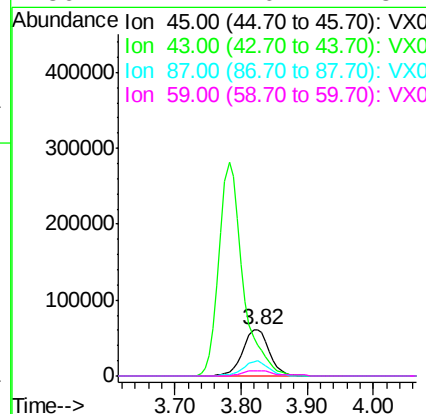
RT: 3.82 min Scan# 449

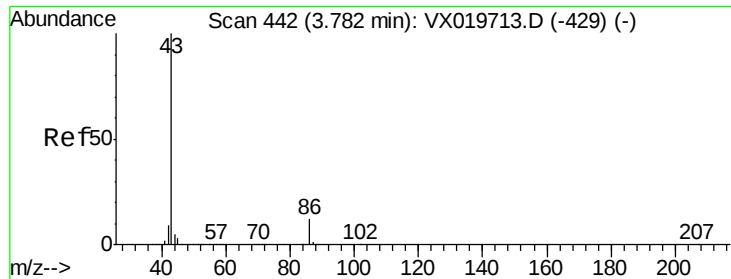
Delta R.T. 0.01 min

Lab File: VX019797.D

Acq: 09 Dec 2020 23:55

Tgt Ion:	45	Resp:	170144
Ion	Ratio	Lower	Upper
45	100		
43	67.1	58.0	87.0
87	32.6	25.4	38.0
59	12.4	10.2	15.2





#23

Vinyl Acetate

Concen: 96.585 ug/l

RT: 3.78 min Scan# 442

Delta R.T. -0.00 min

Lab File: VX019797.D

Acq: 09 Dec 2020 23:55

Instrument :

MSVOA_X

ClientSampleId :

VX1209WBS02

Tot Ion: 43 Resp: 711411

Ion Ratio Lower Upper

43 100

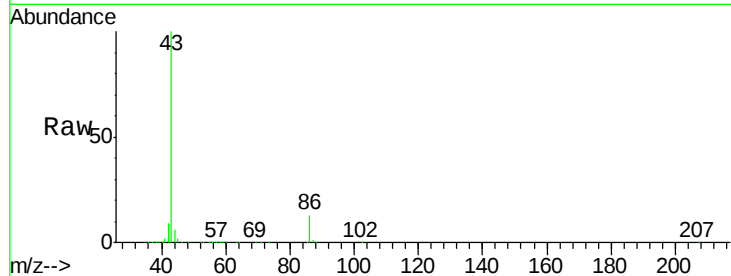
86 12.6 9.9 14.9

Manual Integrations

APPROVED

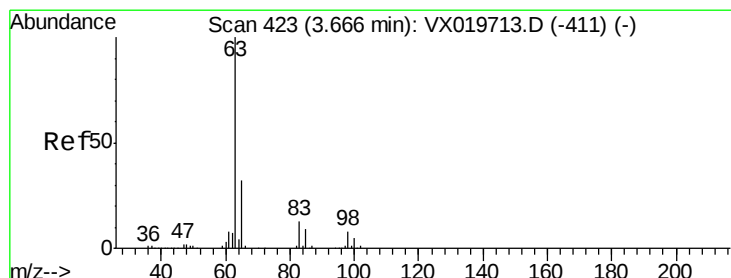
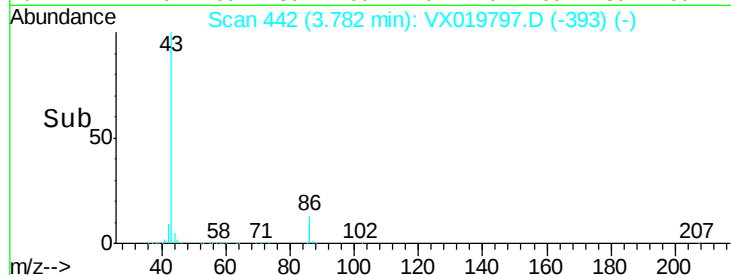
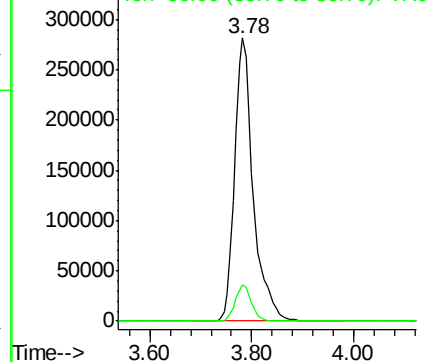
MMDadoda

12/10/2020 9:31:01 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 19.274 ug/l

RT: 3.67 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX019797.D

Acq: 09 Dec 2020 23:55

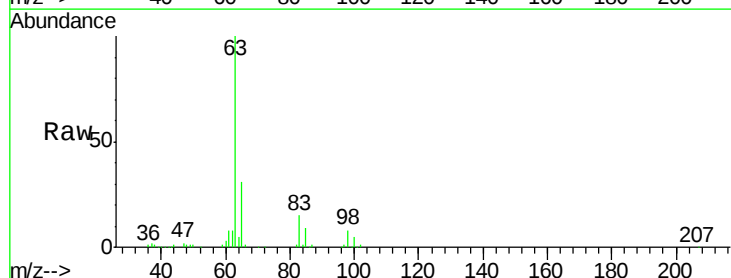
Tgt Ion: 63 Resp: 100485

Ion Ratio Lower Upper

63 100

98 7.7 3.8 11.2

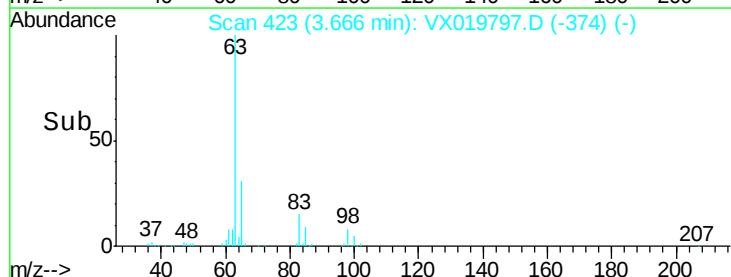
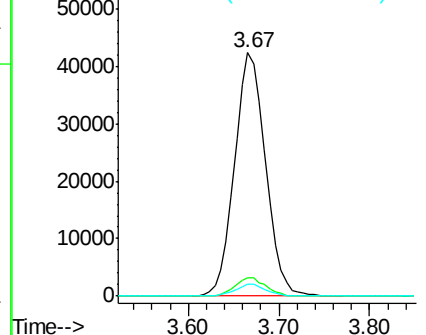
100 4.8 2.5 7.5

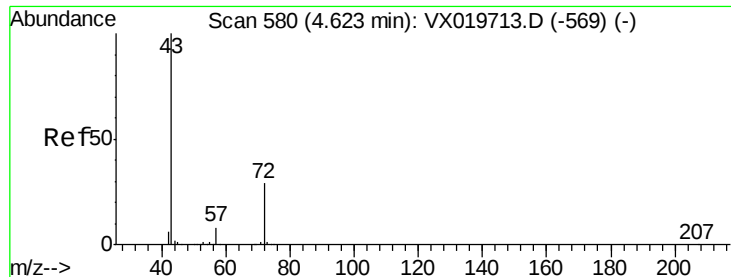


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 97.802 ug/l

RT: 4.63 min Scan# 581

Delta R.T. 0.01 min

Lab File: VX019797.D

Acq: 09 Dec 2020 23:55

Instrument :

MSVOA_X

ClientSampleId :

VX1209WBS02

Tot Ion: 43 Resp: 205156

Ion Ratio Lower Upper

43 100

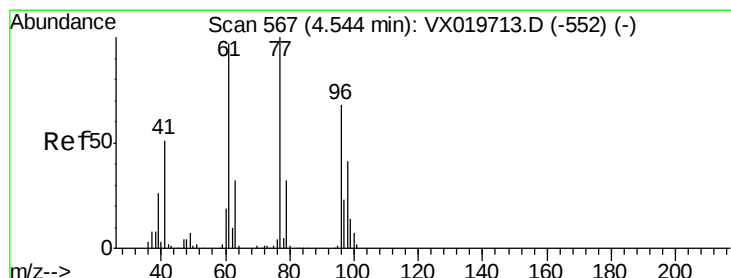
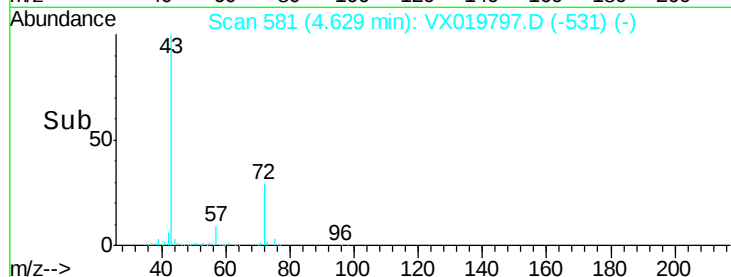
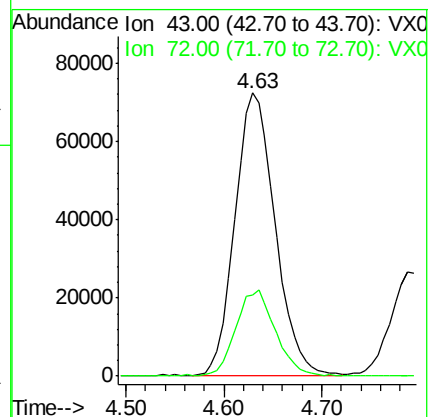
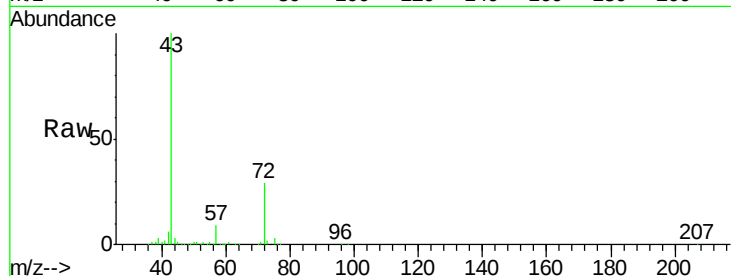
72 28.4 23.7 35.5

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#26

2,2-Dichloropropane

Concen: 16.087 ug/l

RT: 4.55 min Scan# 568

Delta R.T. 0.01 min

Lab File: VX019797.D

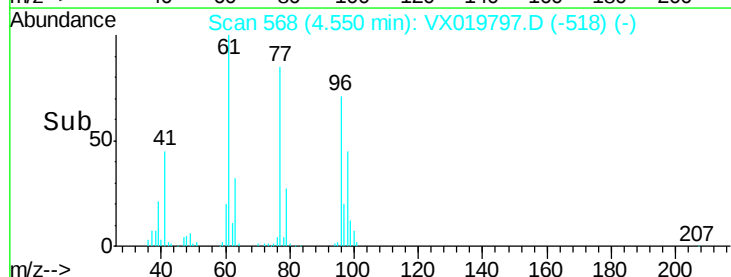
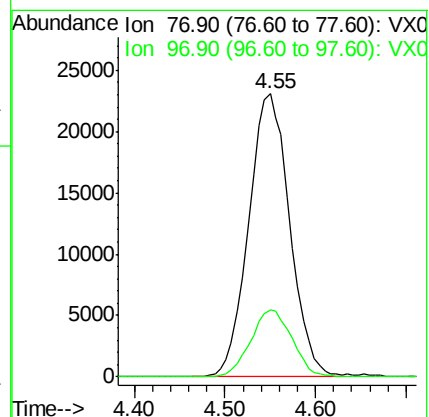
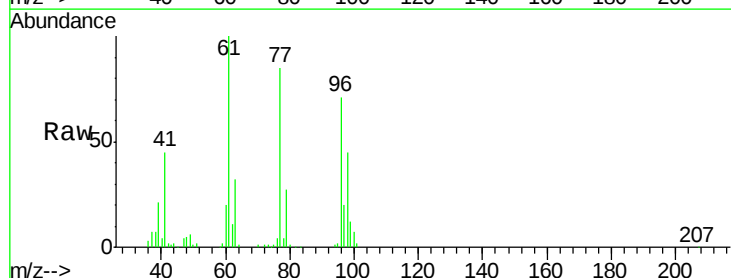
Acq: 09 Dec 2020 23:55

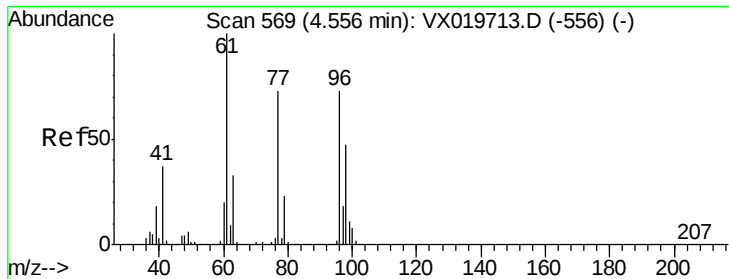
Tgt Ion: 77 Resp: 72224

Ion Ratio Lower Upper

77 100

97 23.8 11.7 35.1





#27

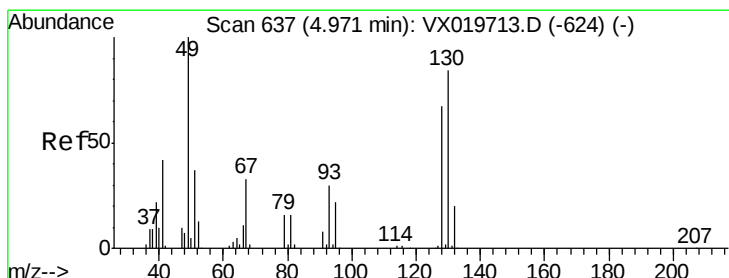
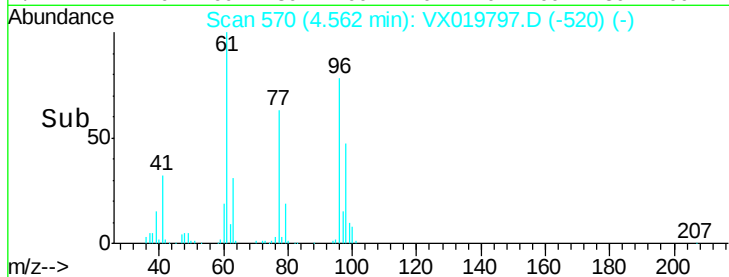
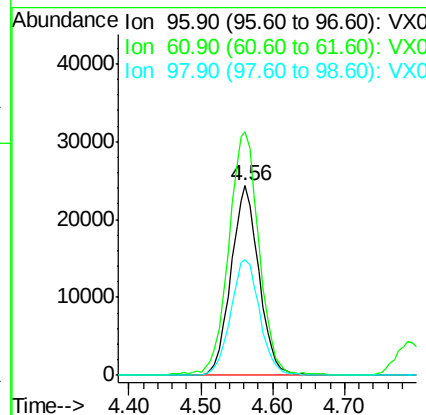
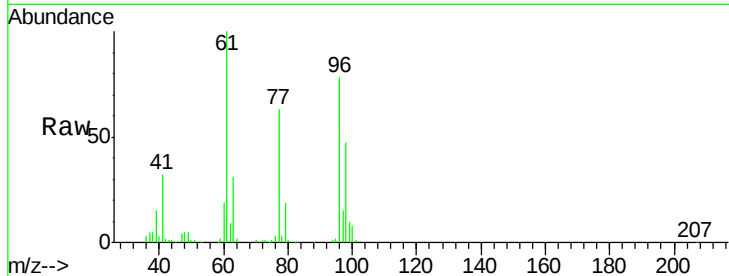
cis-1,2-Dichloroethene
Concen: 18.896 ug/l
RT: 4.56 min Scan# 570
Delta R.T. 0.01 min
Lab File: VX019797.D
Acq: 09 Dec 2020 23:55

Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS02

Tot Ion	Ratio	Resp	Lower	Upper
96	100	65274		
61	140.8		0.0	285.6
98	63.6		0.0	129.6

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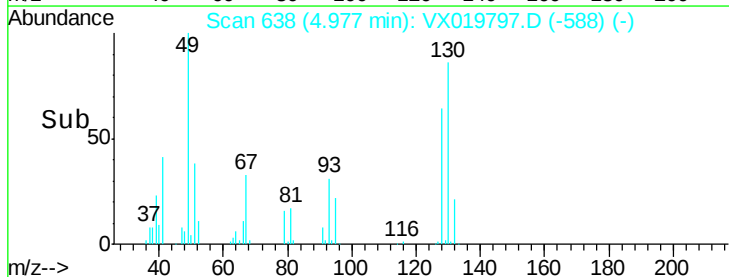
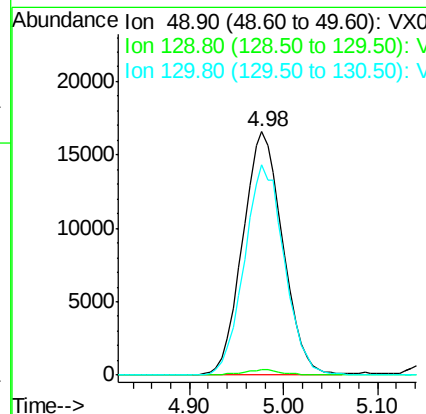
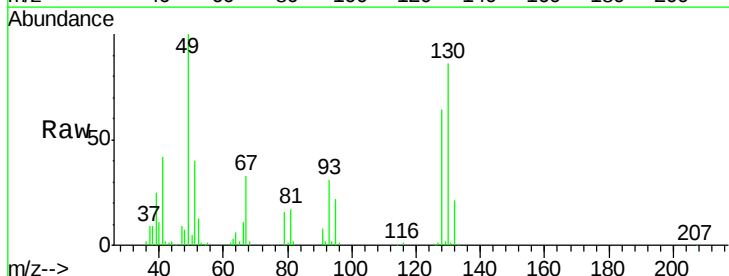
MMDadoda
12/10/2020 9:31:01 AM

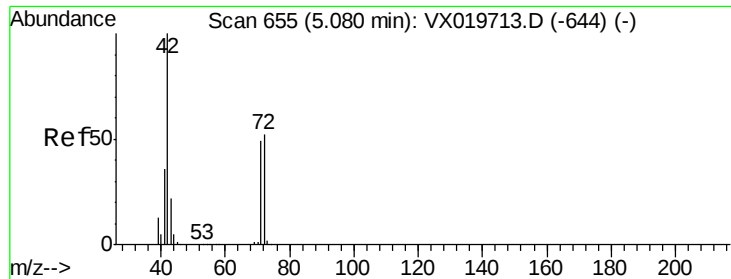


#28

Bromochloromethane
Concen: 19.898 ug/l
RT: 4.98 min Scan# 638
Delta R.T. 0.01 min
Lab File: VX019797.D
Acq: 09 Dec 2020 23:55

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	49454		
129	2.0		0.0	4.0
130	86.0		68.2	102.2





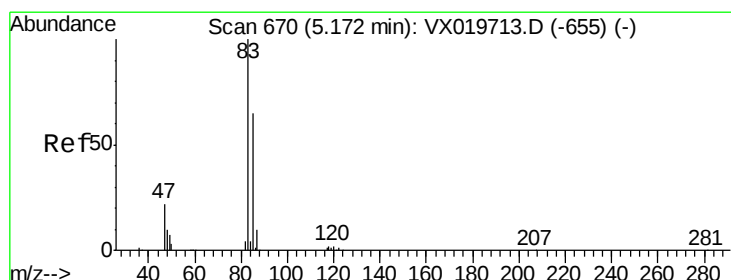
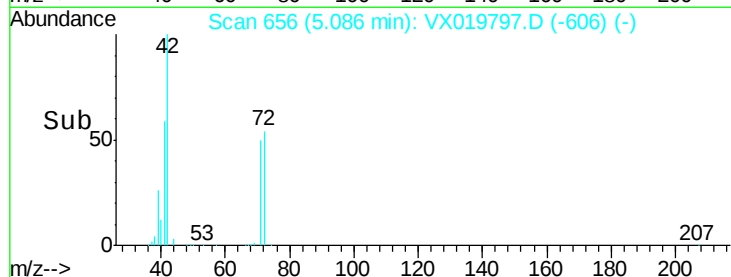
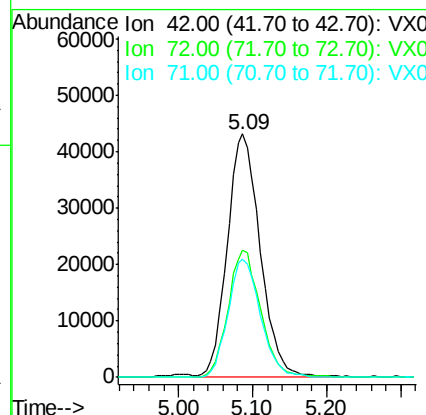
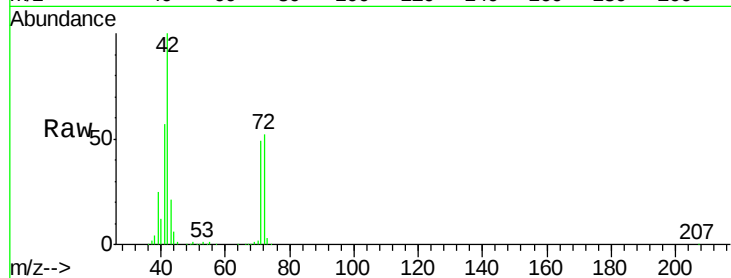
#29
Tetrahydrofuran
Concen: 97.633 ug/l
RT: 5.09 min Scan# 656
Delta R.T. 0.01 min
Lab File: VX019797.D
Acq: 09 Dec 2020 23:55

Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	52.3	41.7	62.5
71	48.7	38.4	57.6

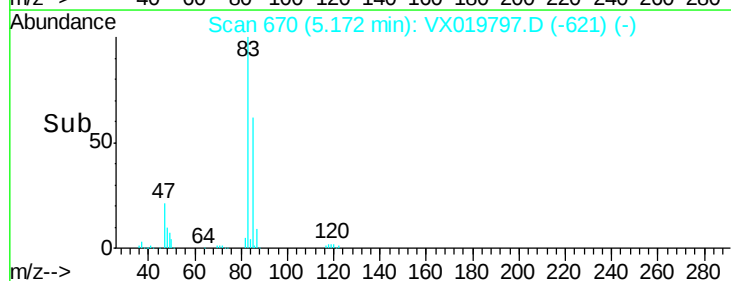
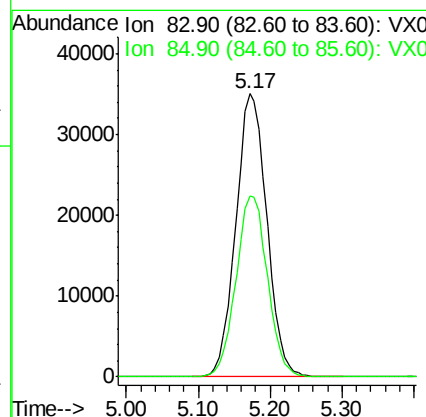
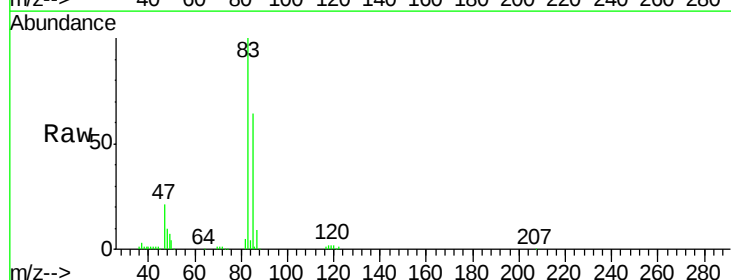
Manual Integrations
APPROVED

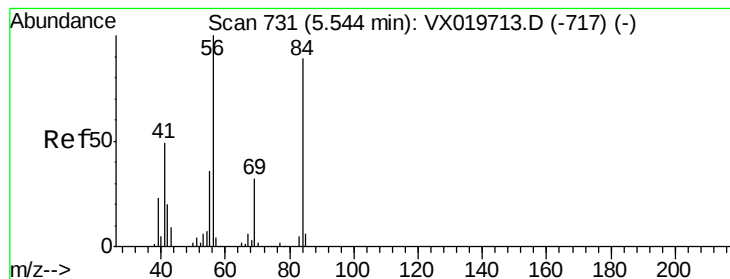
MMDadoda
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#30
Chloroform
Concen: 19.527 ug/l
RT: 5.17 min Scan# 670
Delta R.T. -0.00 min
Lab File: VX019797.D
Acq: 09 Dec 2020 23:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	52.0	78.0





#31

Cyclohexane

Concen: 19.036 ug/l

RT: 5.55 min Scan# 732

Delta R.T. 0.01 min

Lab File: VX019797.D

Acq: 09 Dec 2020 23:55

Instrument :

MSVOA_X

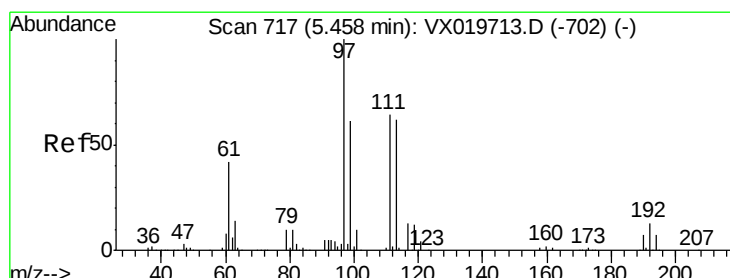
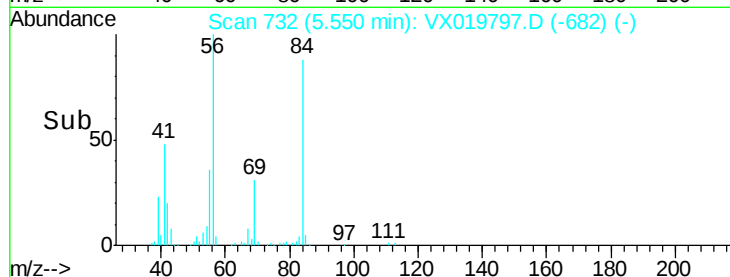
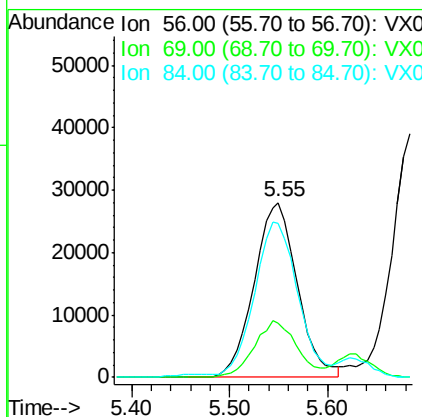
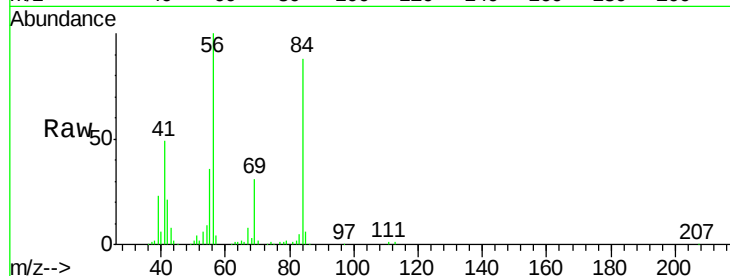
ClientSampleId :

VX1209WBS02

Tot Ion:	56	Resp:	86000
Ion Ratio	Lower	Upper	
56	100		
69	30.8	25.3	37.9
84	86.4	71.4	107.0

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#32

1,1,1-Trichloroethane

Concen: 19.099 ug/l

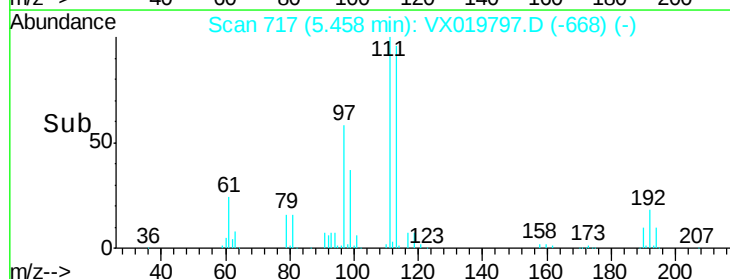
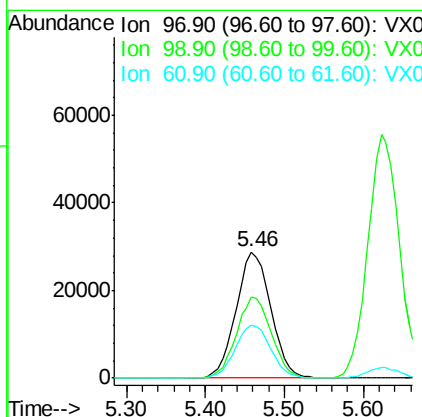
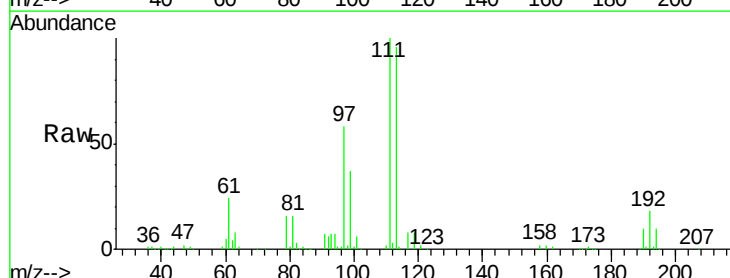
RT: 5.46 min Scan# 717

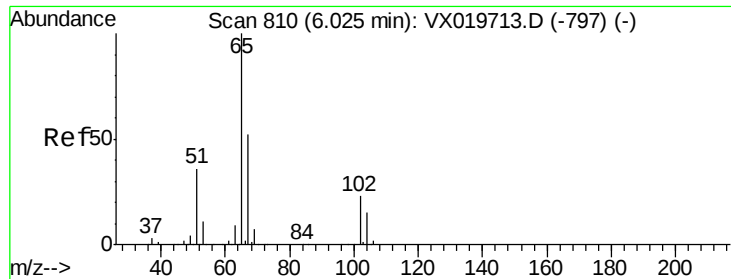
Delta R.T. -0.00 min

Lab File: VX019797.D

Acq: 09 Dec 2020 23:55

Tgt Ion:	97	Resp:	88169
Ion Ratio	Lower	Upper	
97	100		
99	64.5	51.5	77.3
61	43.0	34.2	51.4





#33

1,2-Dichloroethane-d4

Concen: 46.892 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.01 min

Lab File: VX019797.D

Acq: 09 Dec 2020 23:55

Instrument :

MSVOA_X

ClientSampleId :

VX1209WBS02

Tot Ion: 65 Resp: 170304

Ion Ratio Lower Upper

65 100

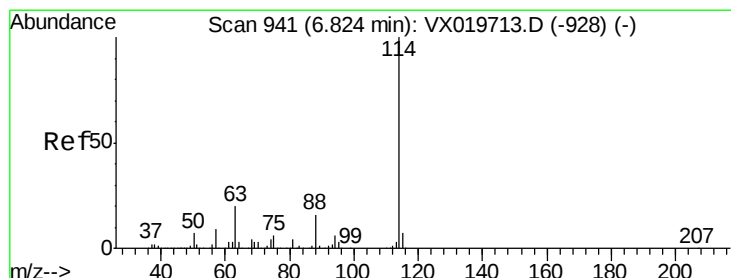
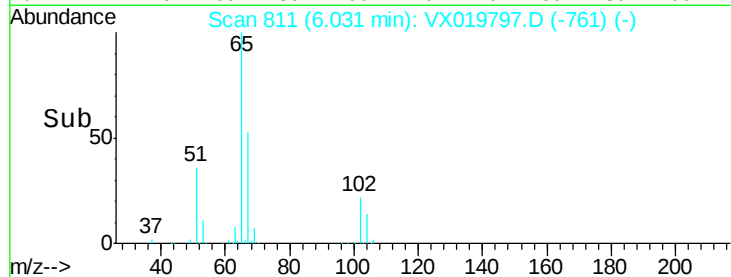
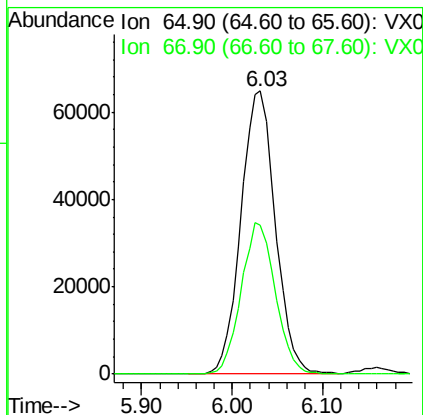
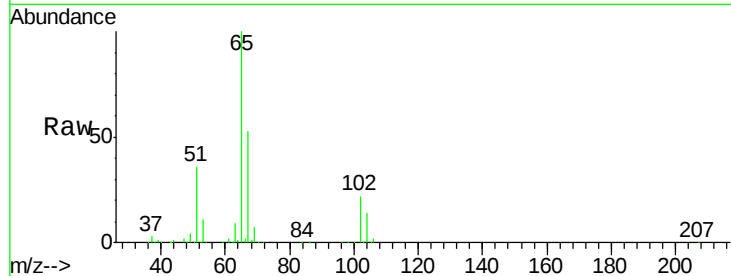
67 53.1 0.0 105.4

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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: VX019797.D

Acq: 09 Dec 2020 23:55

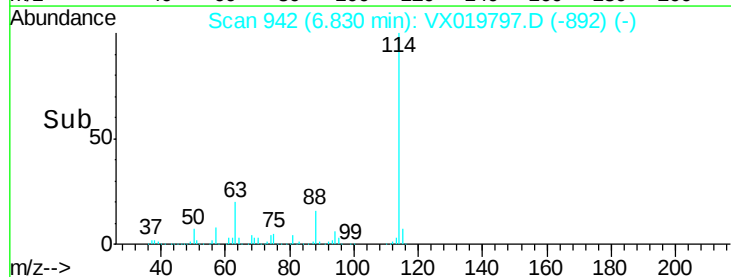
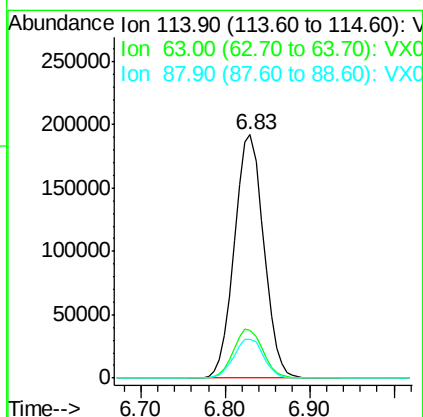
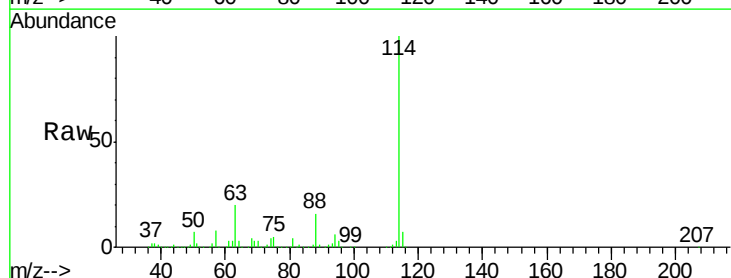
Tgt Ion: 114 Resp: 452525

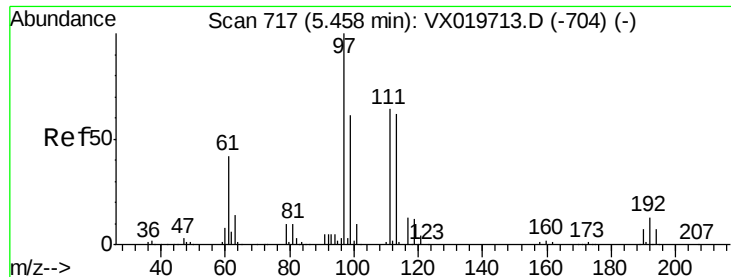
Ion Ratio Lower Upper

114 100

63 19.7 0.0 40.8

88 15.9 0.0 32.8





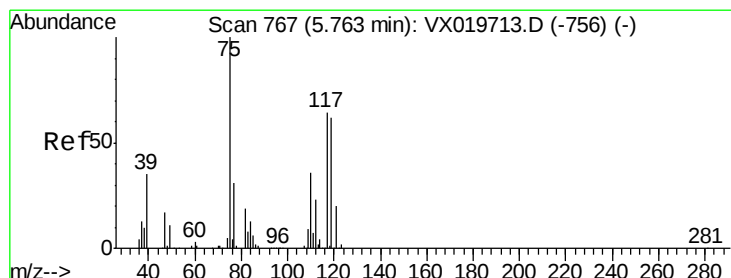
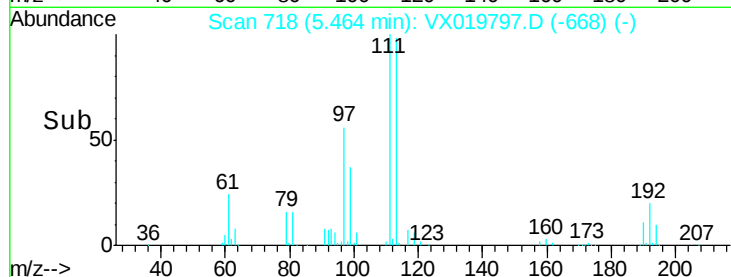
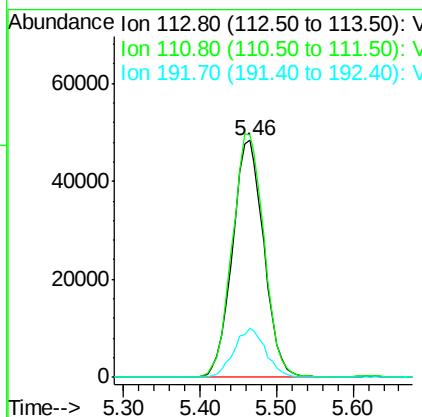
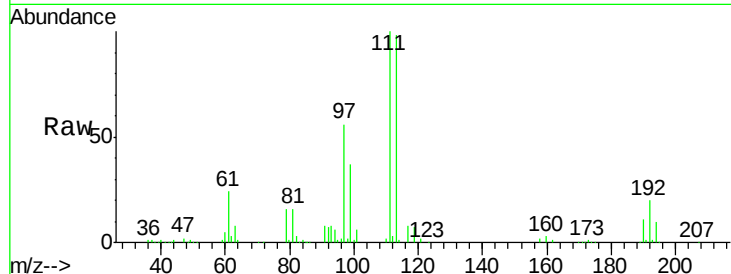
#35
 Dibromofluoromethane
 Concen: 47.098 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. 0.01 min
 Lab File: VX019797.D
 Acq: 09 Dec 2020 23:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1209WBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	137742		
111	103.8	81.9	122.9	
192	20.7	16.7	25.1	

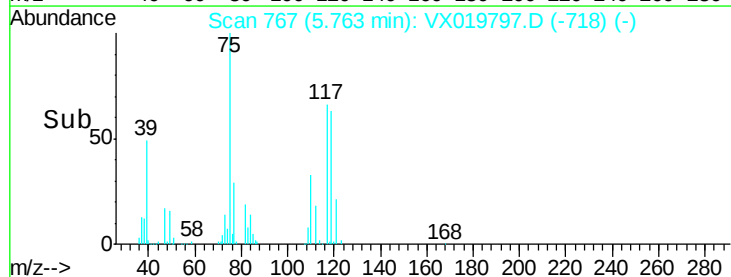
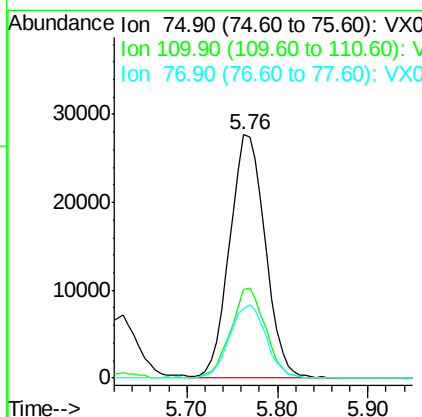
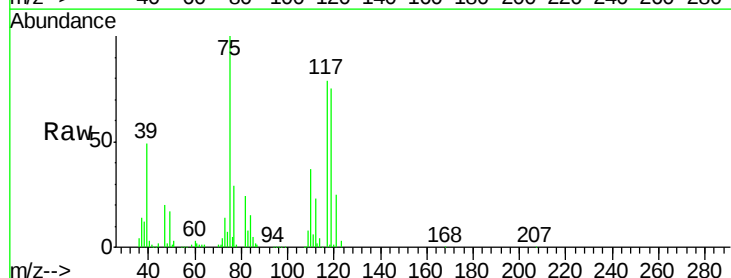
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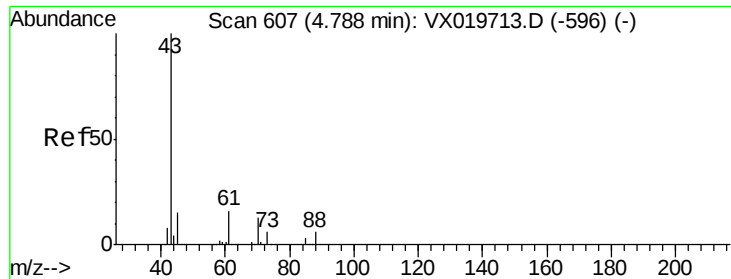
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#36
 1,1-Dichloropropene
 Concen: 18.513 ug/l
 RT: 5.76 min Scan# 767
 Delta R.T. -0.00 min
 Lab File: VX019797.D
 Acq: 09 Dec 2020 23:55

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	75701		
110	36.1	18.1	54.4	
77	31.1	25.3	37.9	





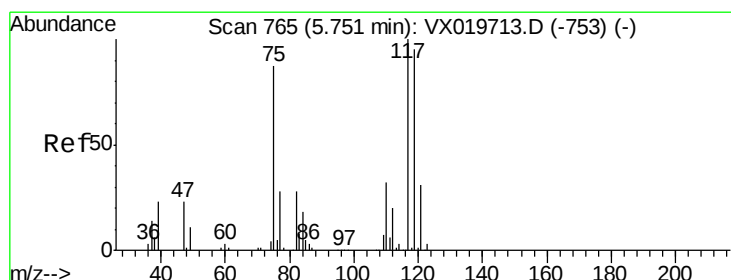
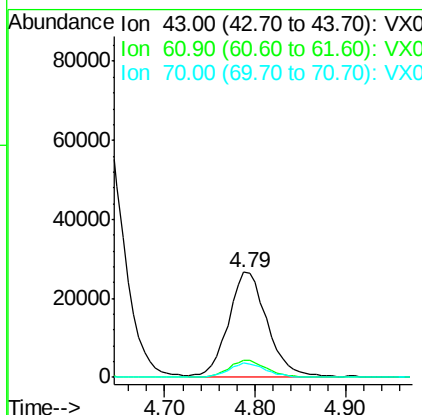
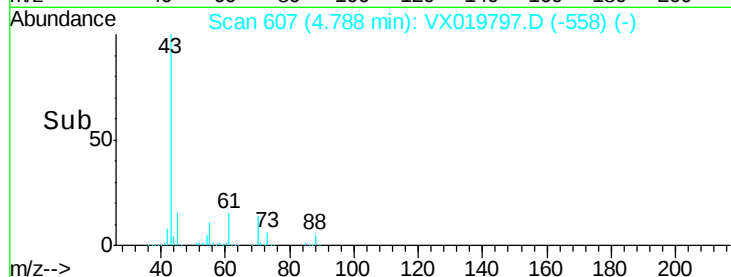
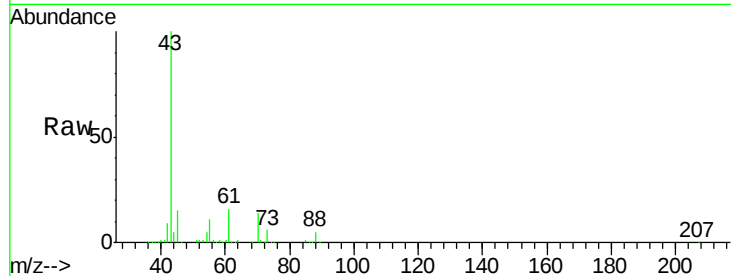
#37
Ethyl Acetate
Concen: 18.889 ug/l
RT: 4.79 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX019797.D
Acq: 09 Dec 2020 23:55

Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.8	12.8	19.2
70	13.4	10.5	15.7

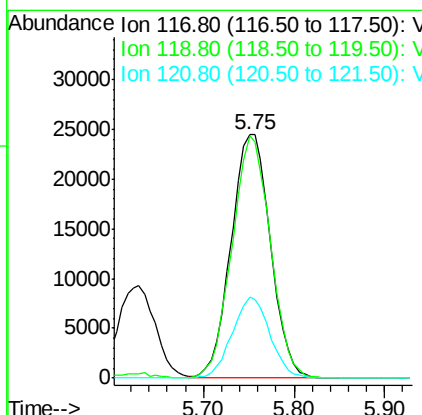
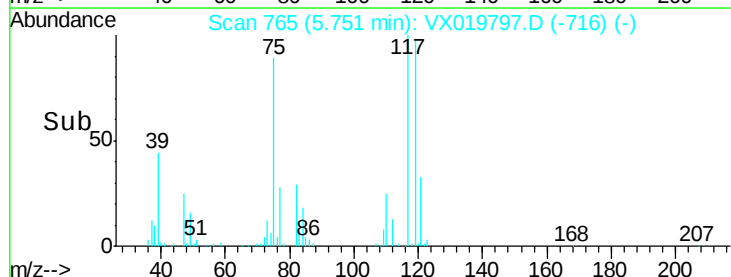
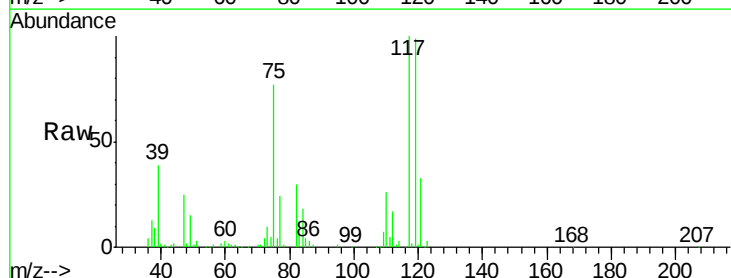
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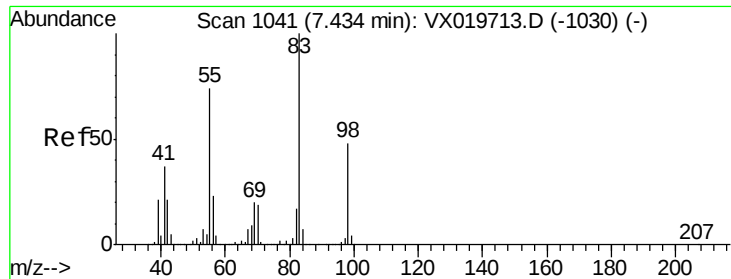
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#38
Carbon Tetrachloride
Concen: 18.395 ug/l
RT: 5.75 min Scan# 765
Delta R.T. -0.00 min
Lab File: VX019797.D
Acq: 09 Dec 2020 23:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.5	76.2	114.2
121	33.2	24.8	37.2





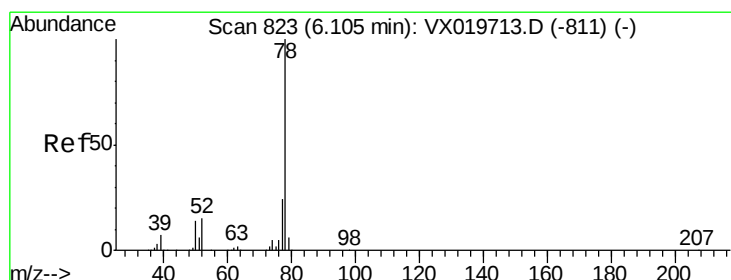
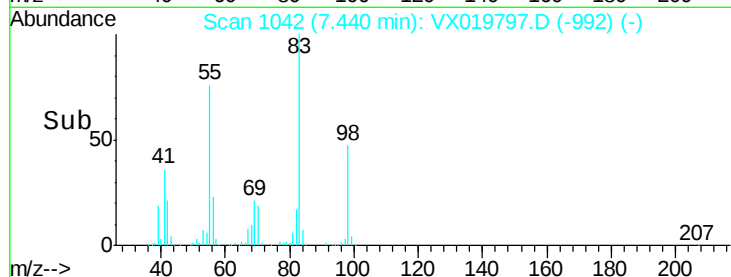
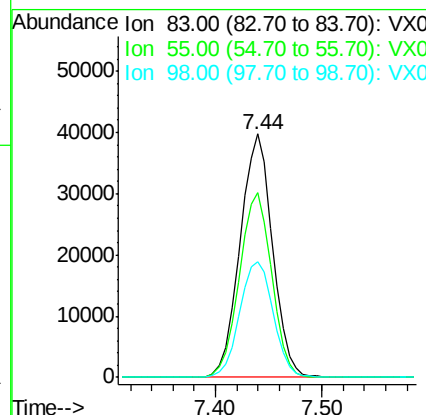
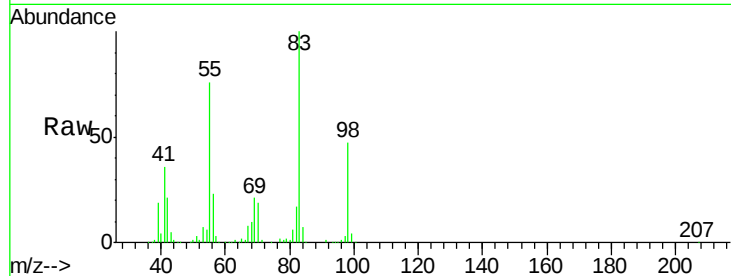
#39
Methvlcvclohexane
Concen: 17.697 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. 0.01 min
Lab File: VX019797.D
Acq: 09 Dec 2020 23:55

Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS02

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	76.1		58.9	88.3
98	47.3		38.1	57.1

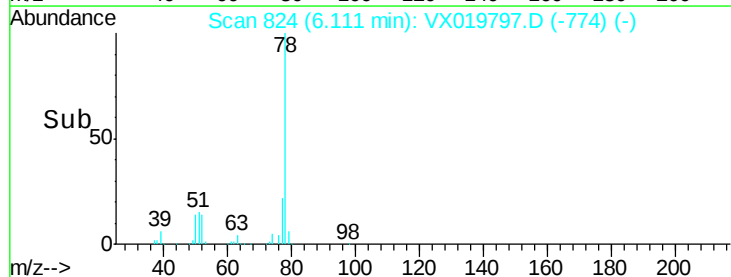
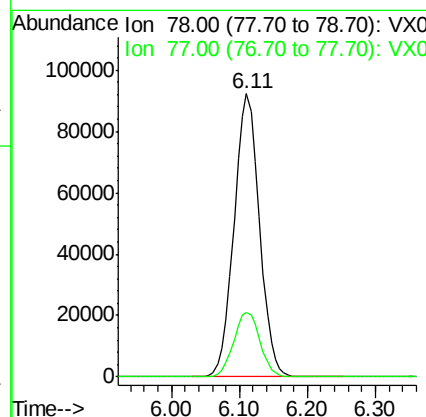
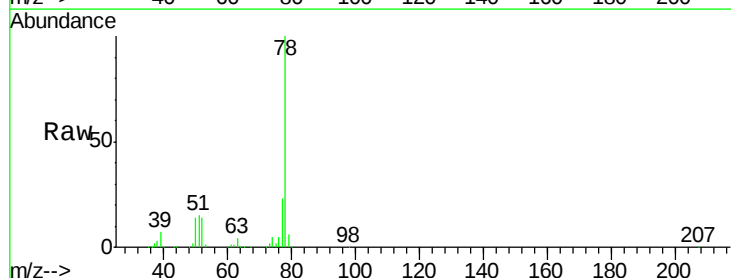
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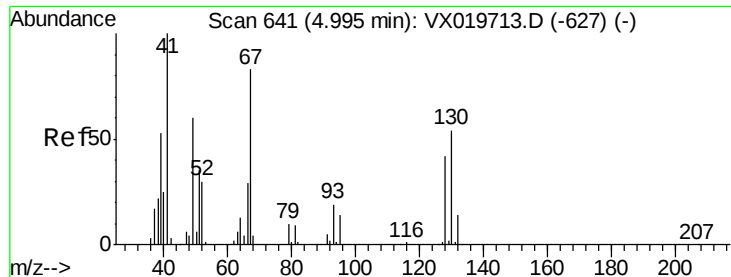
MMDadoda
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#40
Benzene
Concen: 19.080 ug/l
RT: 6.11 min Scan# 824
Delta R.T. 0.01 min
Lab File: VX019797.D
Acq: 09 Dec 2020 23:55

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	22.8		18.9	28.3





#41

Methacrylonitrile

Concen: 18.489 ug/l

RT: 5.00 min Scan# 642

Delta R.T. 0.01 min

Lab File: VX019797.D

Acq: 09 Dec 2020 23:55

Instrument :

MSVOA_X

ClientSampleId :

VX1209WBS02

Tot Ion: 41 Resp: 41912

Ion Ratio Lower Upper

41 100

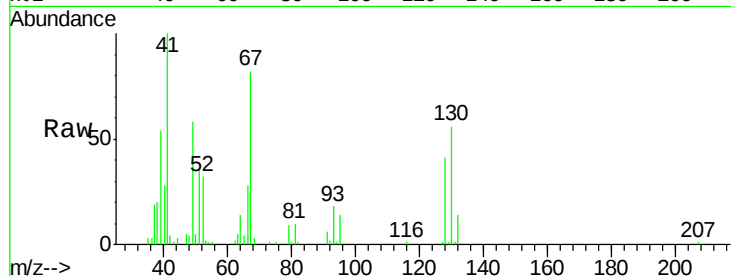
39 56.8 42.5 63.7

67 86.2 65.0 97.6

52 33.1 25.3 37.9

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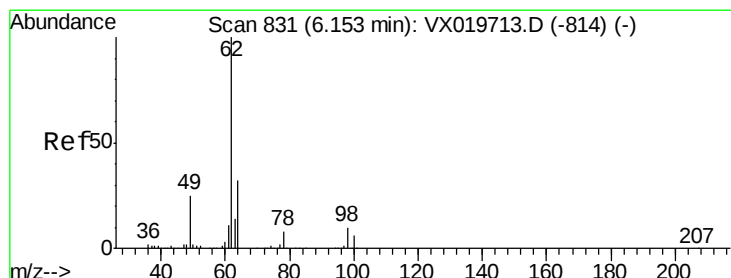
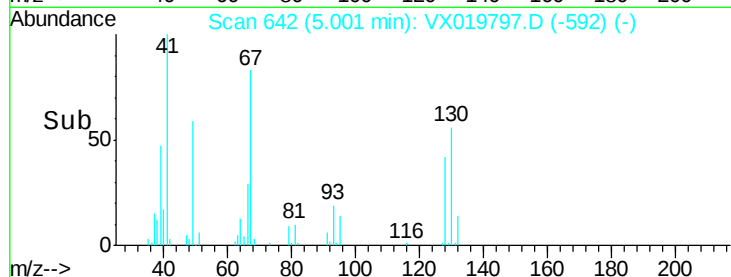
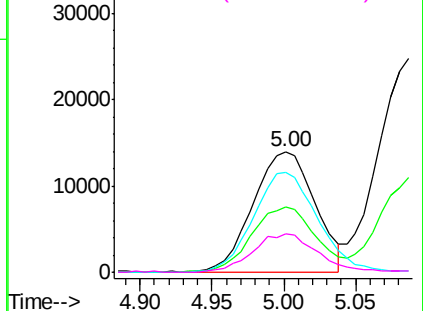


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 19.415 ug/l

RT: 6.16 min Scan# 832

Delta R.T. 0.01 min

Lab File: VX019797.D

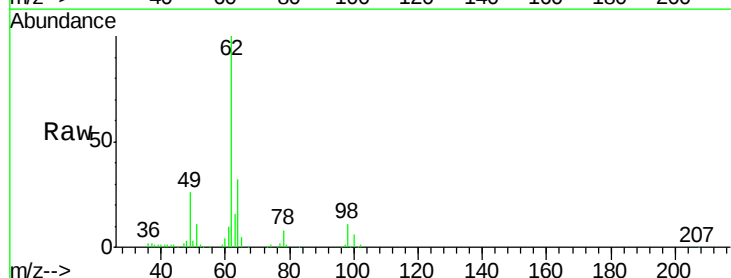
Acq: 09 Dec 2020 23:55

Tgt Ion: 62 Resp: 82862

Ion Ratio Lower Upper

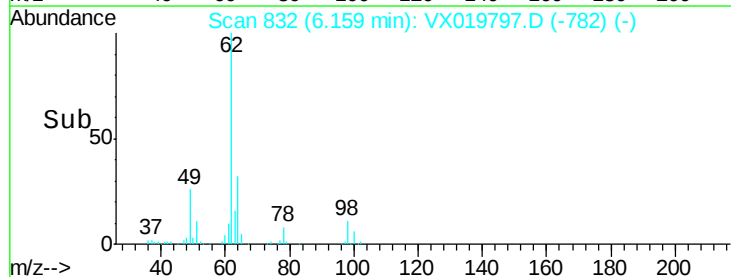
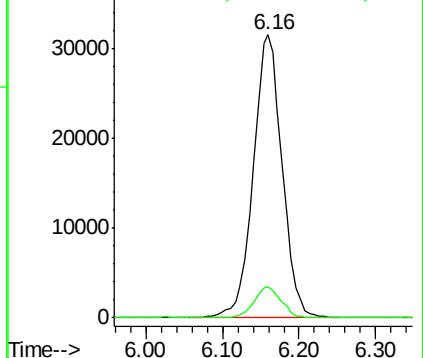
62 100

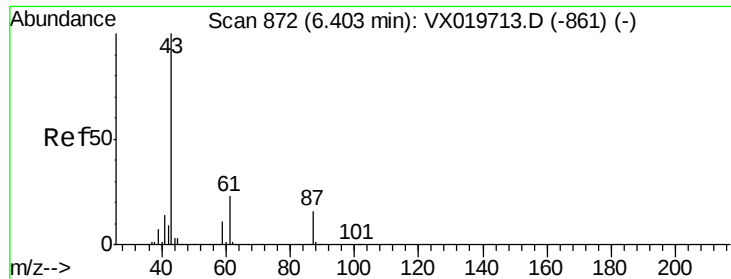
98 10.2 0.0 20.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 18.708 ug/l

RT: 6.41 min Scan# 873

Delta R.T. 0.01 min

Lab File: VX019797.D

Acq: 09 Dec 2020 23:55

Instrument :

MSVOA_X

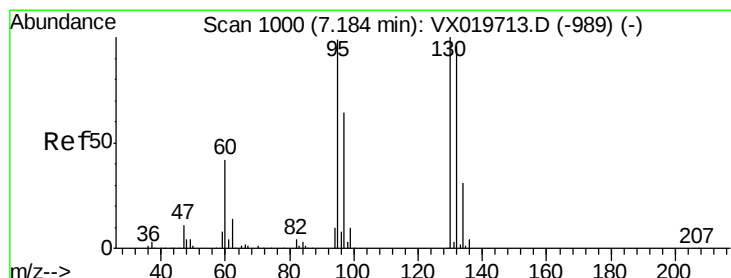
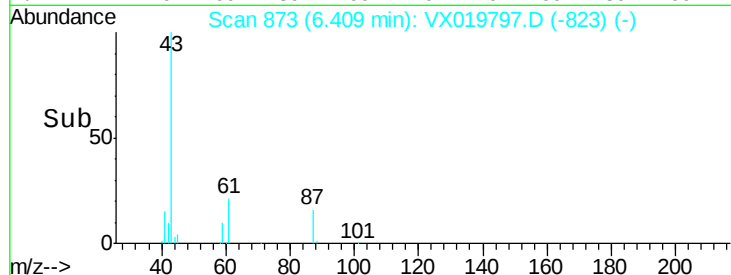
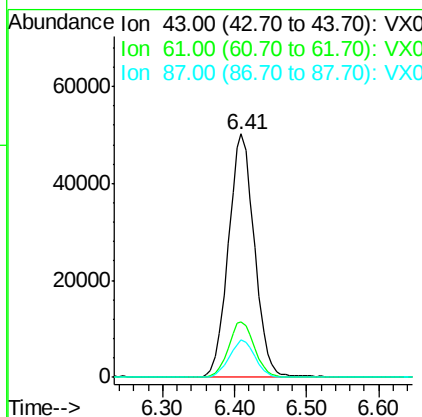
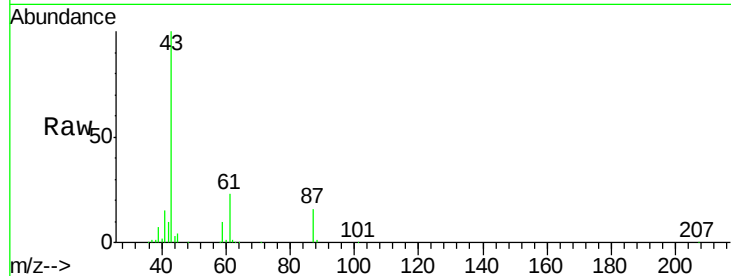
ClientSampleId :

VX1209WBS02

Tot Ion:	43	Resp:	125578
Ion	Ratio	Lower	Upper
43	100		
61	22.8	18.2	27.4
87	15.2	12.5	18.7

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#44

Trichloroethene

Concen: 18.743 ug/l

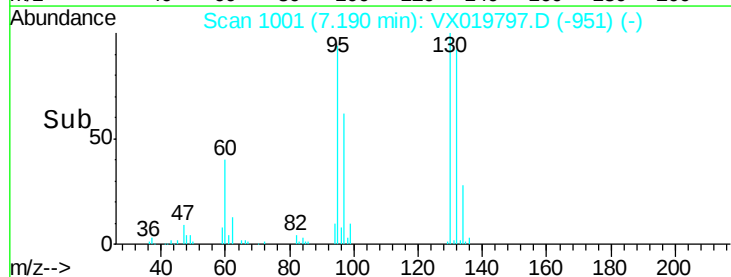
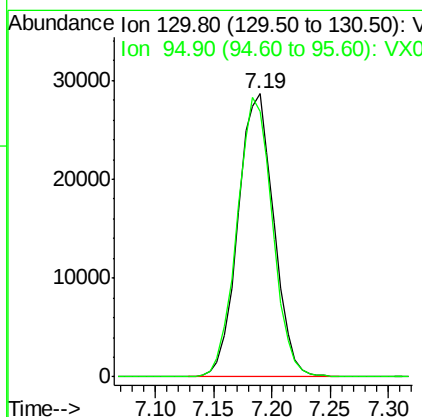
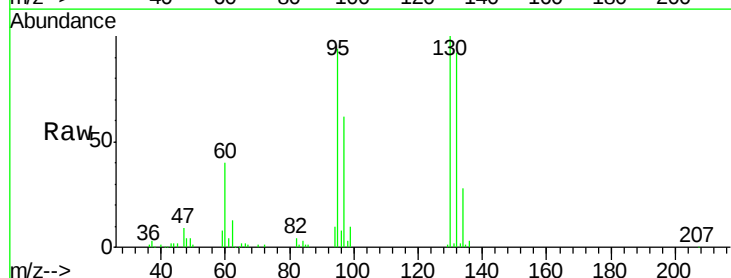
RT: 7.19 min Scan# 1001

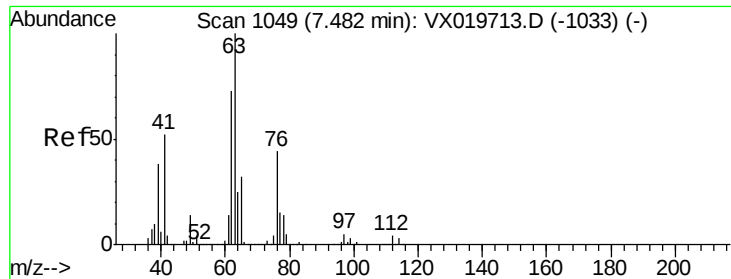
Delta R.T. 0.01 min

Lab File: VX019797.D

Acq: 09 Dec 2020 23:55

Tgt Ion:	130	Resp:	61428
Ion	Ratio	Lower	Upper
130	100		
95	93.6	0.0	198.0





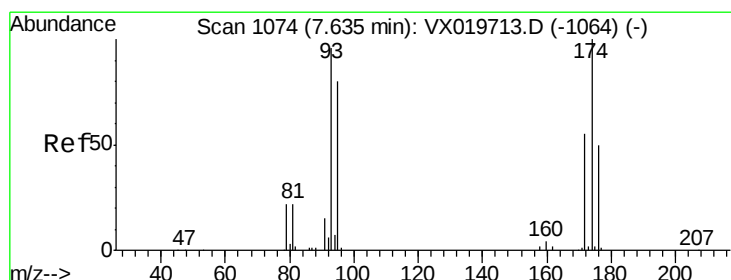
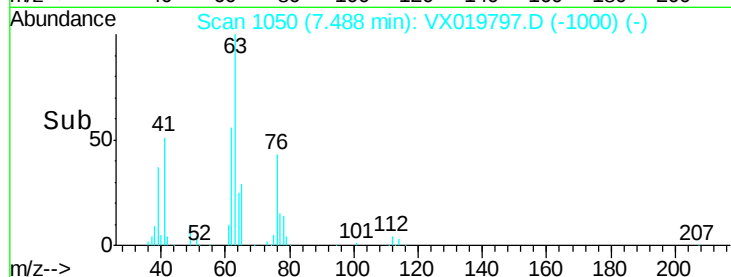
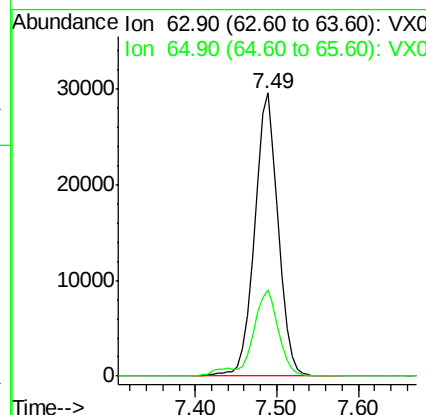
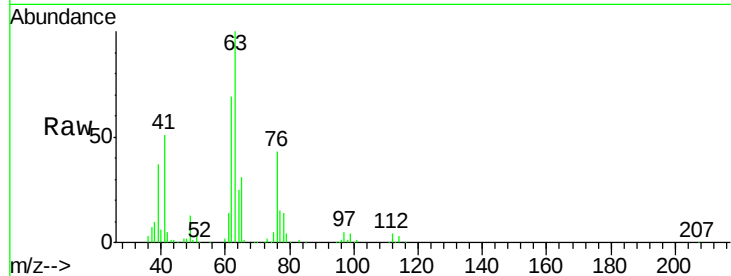
#45
 1,2-Dichloropropane
 Concen: 19.168 ug/l
 RT: 7.49 min Scan# 1050
 Delta R.T. 0.01 min
 Lab File: VX019797.D
 Acq: 09 Dec 2020 23:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1209WBS02

Tot Ion: 63 Resp: 59841
 Ion Ratio Lower Upper
 63 100
 65 30.6 25.7 38.5

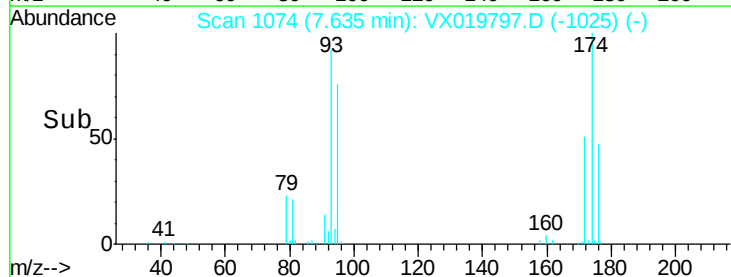
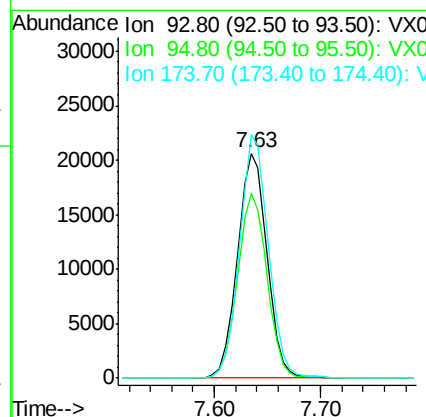
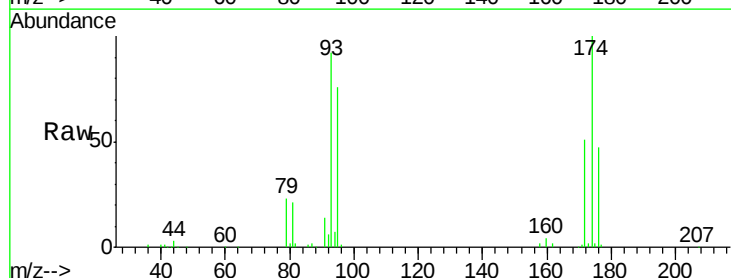
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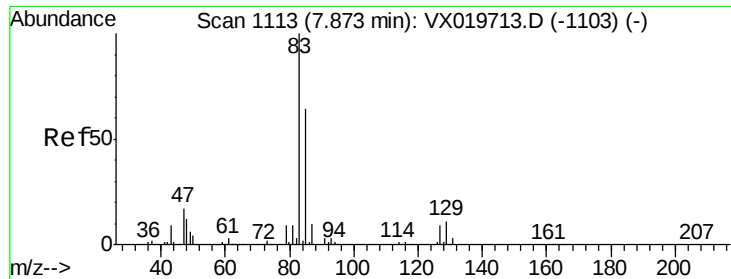
MMDadoda
 12/10/2020 9:31:01 AM



#46
 Dibromomethane
 Concen: 19.055 ug/l
 RT: 7.63 min Scan# 1074
 Delta R.T. -0.00 min
 Lab File: VX019797.D
 Acq: 09 Dec 2020 23:55

Tgt Ion: 93 Resp: 40173
 Ion Ratio Lower Upper
 93 100
 95 82.3 66.8 100.2
 174 105.6 83.1 124.7





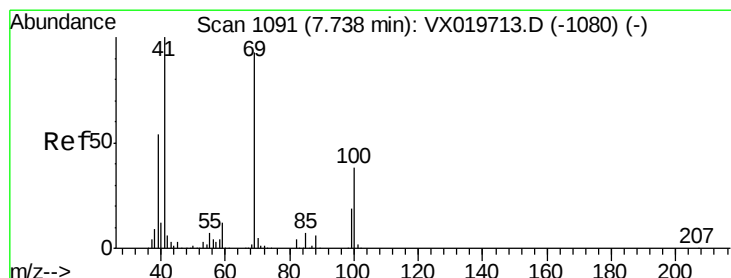
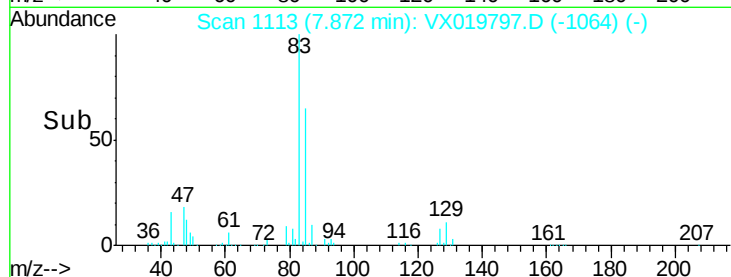
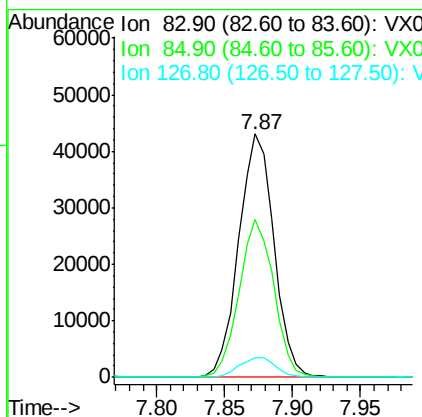
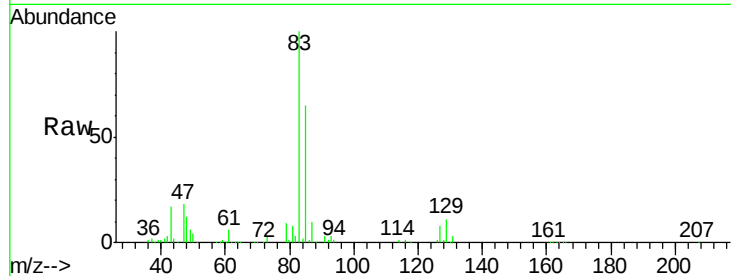
#47
Bromodichloromethane
Concen: 18.665 ug/l
RT: 7.87 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VX019797.D
Acq: 09 Dec 2020 23:55

Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS02

Tot Ion	83	Resp	78085
Ion Ratio	100		
85	65.1	51.4	77.0
127	8.1	6.8	10.2

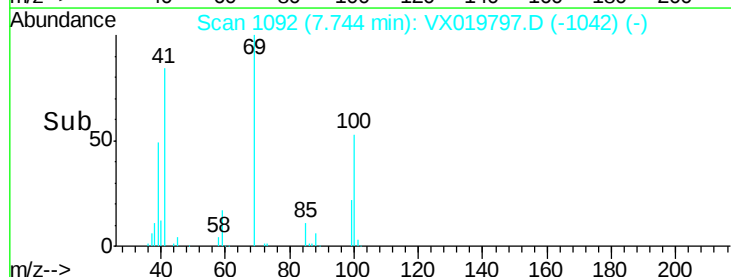
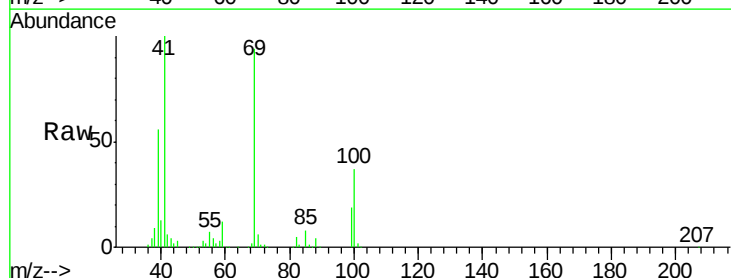
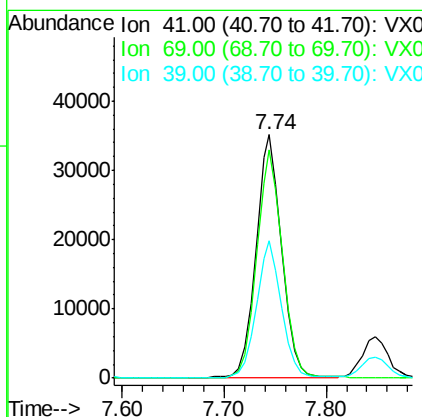
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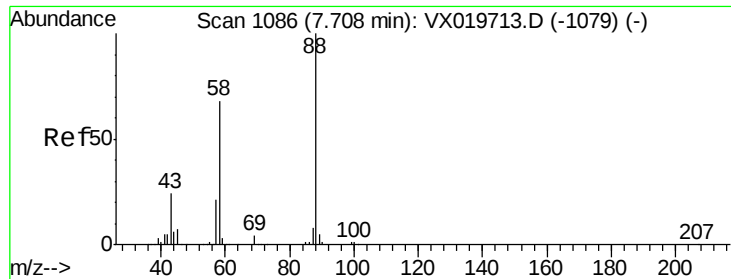
MMDadoda
12/10/2020 9:31:01 AM



#48
Methyl methacrylate
Concen: 18.549 ug/l
RT: 7.74 min Scan# 1092
Delta R.T. 0.01 min
Lab File: VX019797.D
Acq: 09 Dec 2020 23:55

Tgt Ion	41	Resp	61235
Ion Ratio	100		
69	95.0	76.0	114.0
39	55.5	44.6	67.0





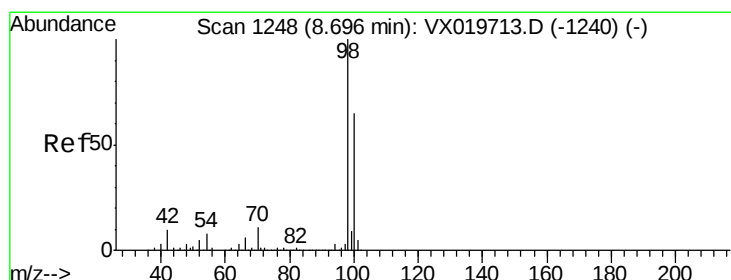
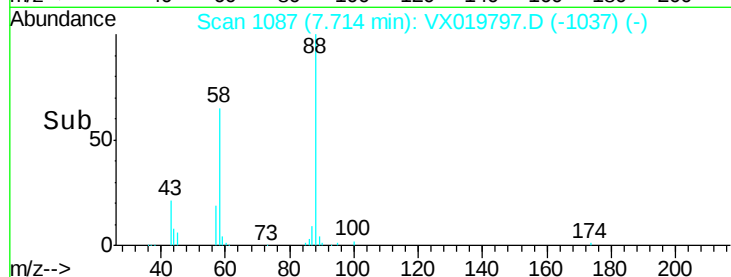
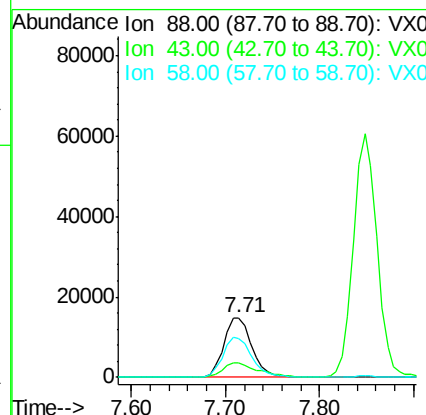
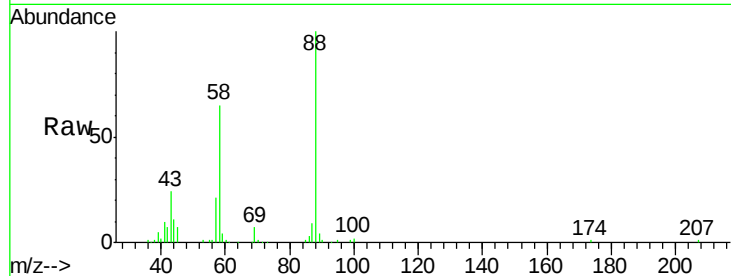
#49
1,4-Dioxane
Concen: 383.274 ug/l
RT: 7.71 min Scan# 1087
Delta R.T. 0.01 min
Lab File: VX019797.D
Acq: 09 Dec 2020 23:55

Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.0	23.2	34.8
58	68.8	55.0	82.4

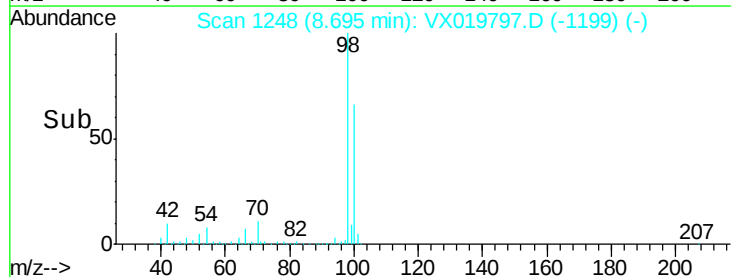
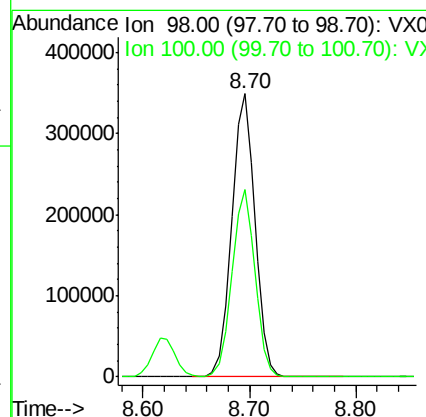
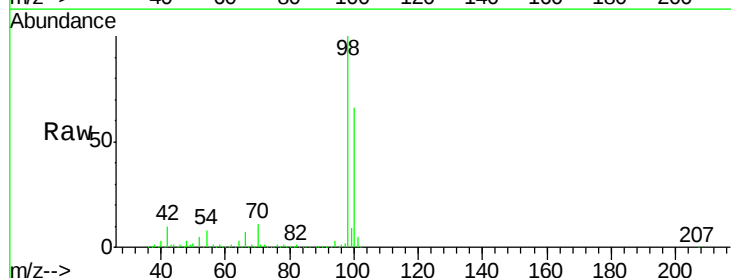
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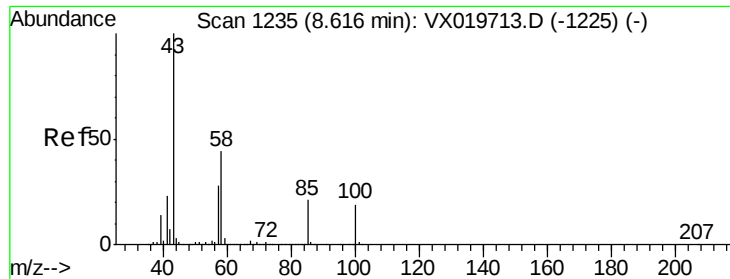
MMDadoda
12/10/2020 9:31:01 AM



#50
Toluene-d8
Concen: 47.815 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX019797.D
Acq: 09 Dec 2020 23:55

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.7	51.9	77.9





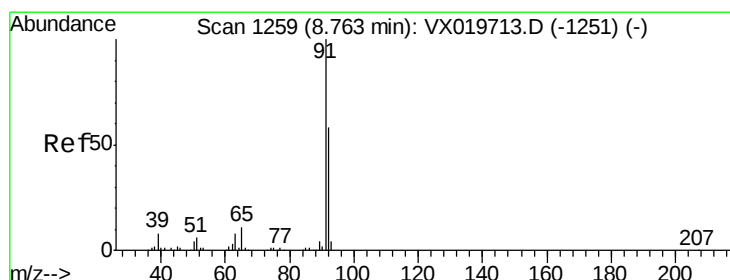
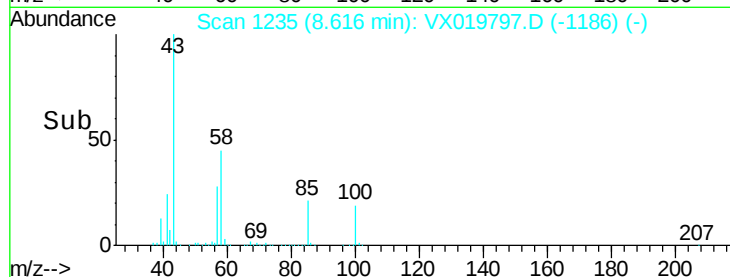
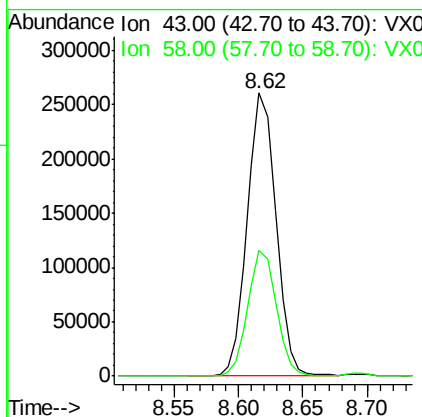
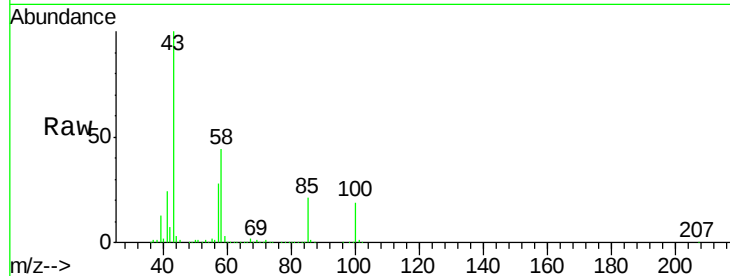
#51
4-Methyl-2-Pentanone
Concen: 97.914 ug/l
RT: 8.62 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VX019797.D
Acq: 09 Dec 2020 23:55

Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS02

Tot Ion: 43 Resp: 401266
Ion Ratio Lower Upper
43 100
58 44.2 35.4 53.0

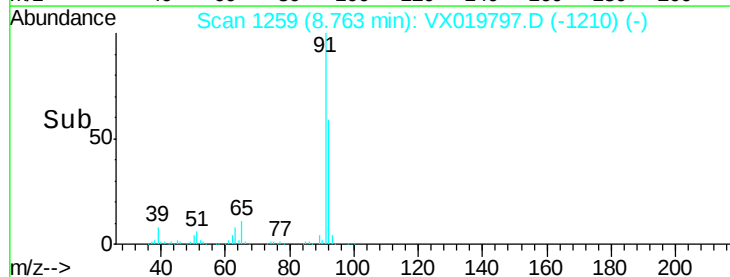
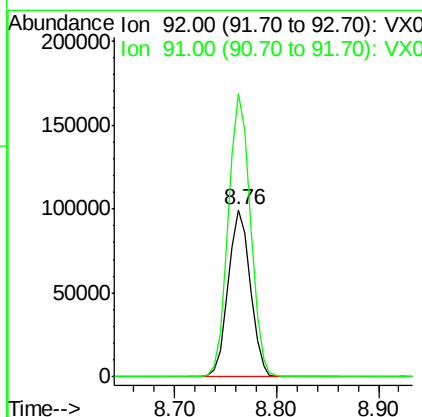
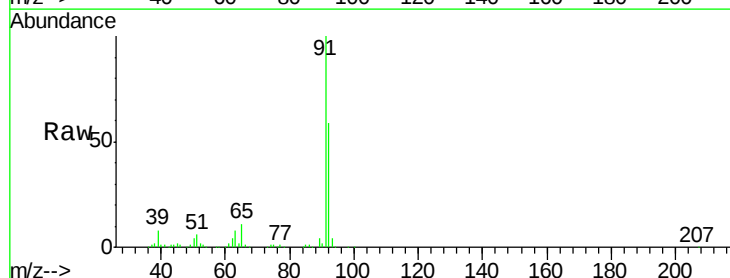
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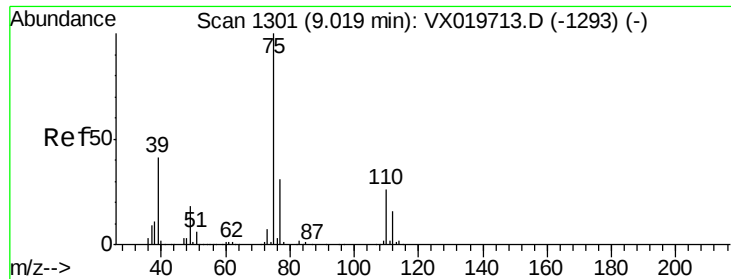
MMDadoda
12/10/2020 9:31:01 AM



#52
Toluene
Concen: 18.982 ug/l
RT: 8.76 min Scan# 1259
Delta R.T. -0.00 min
Lab File: VX019797.D
Acq: 09 Dec 2020 23:55

Tgt Ion: 92 Resp: 148298
Ion Ratio Lower Upper
92 100
91 170.5 137.1 205.7





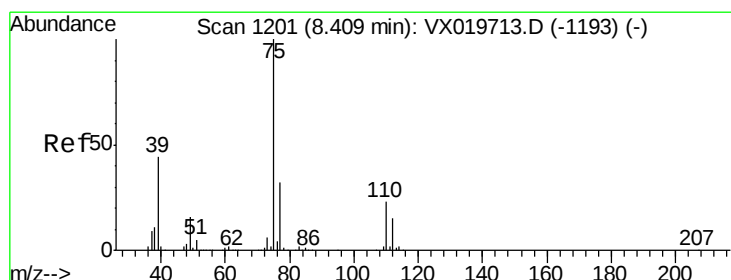
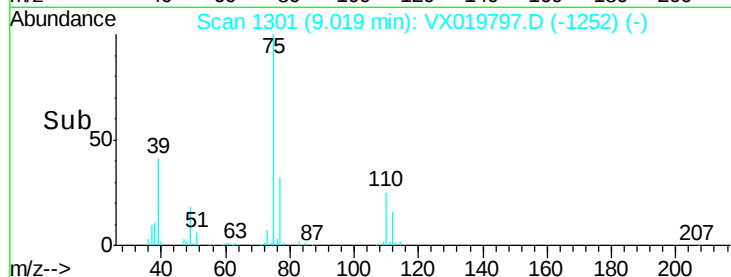
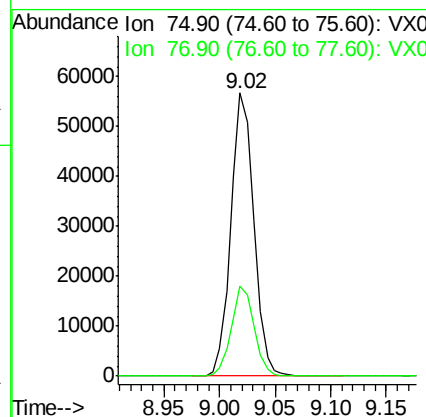
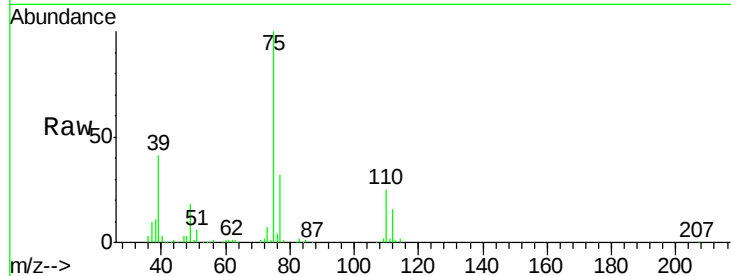
#53
t-1,3-Dichloropropene
Concen: 17.485 ug/l
RT: 9.02 min Scan# 1301
Delta R.T. -0.00 min
Lab File: VX019797.D
Acq: 09 Dec 2020 23:55

Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS02

Tot Ion: 75 Resp: 81172
Ion Ratio Lower Upper
75 100
77 31.7 24.9 37.3

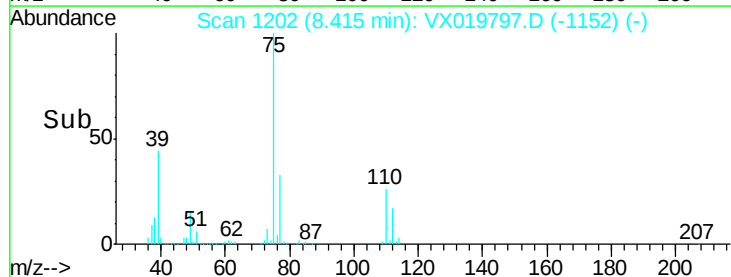
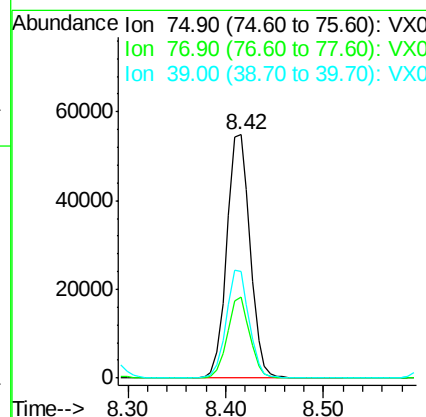
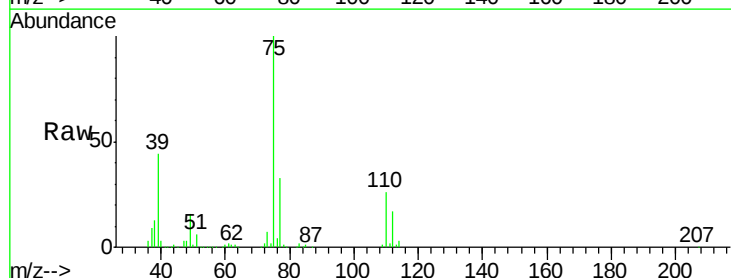
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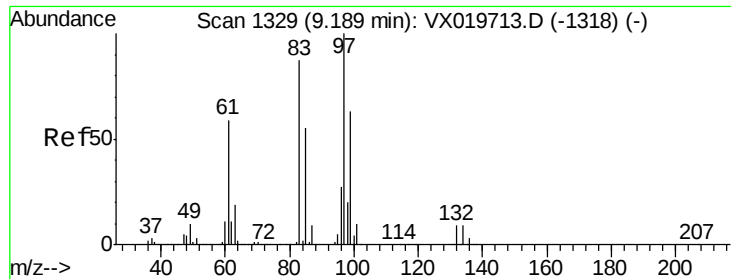
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 17.997 ug/l
RT: 8.42 min Scan# 1202
Delta R.T. 0.01 min
Lab File: VX019797.D
Acq: 09 Dec 2020 23:55

Tgt Ion: 75 Resp: 90769
Ion Ratio Lower Upper
75 100
77 33.0 25.7 38.5
39 43.6 35.1 52.7





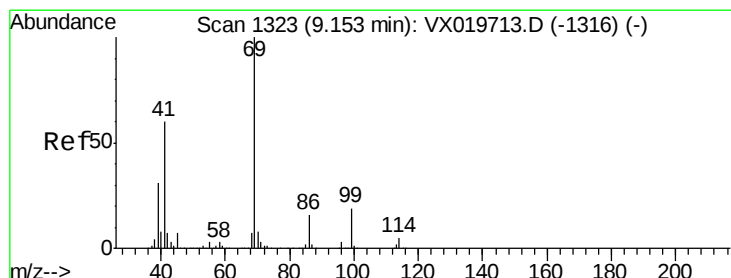
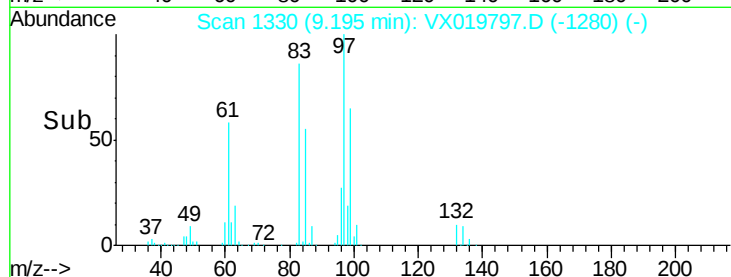
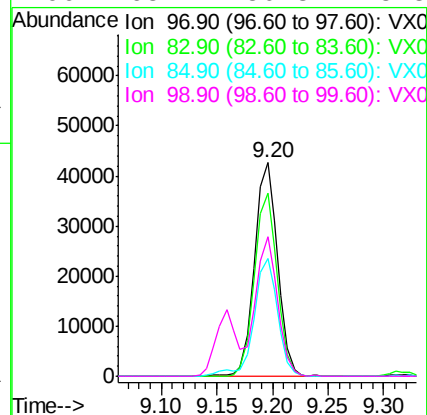
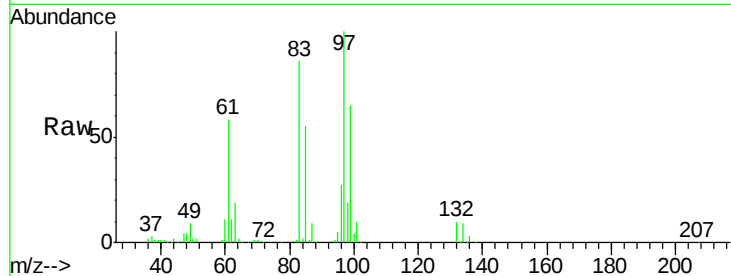
#55
 1,1,2-Trichloroethane
 Concen: 19.567 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. 0.01 min
 Lab File: VX019797.D
 Acq: 09 Dec 2020 23:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1209WBS02

Tot Ion:	97	Resp:	61602
Ion	Ratio	Lower	Upper
97	100		
83	85.6	69.3	103.9
85	55.2	44.3	66.5
99	65.1	50.3	75.5

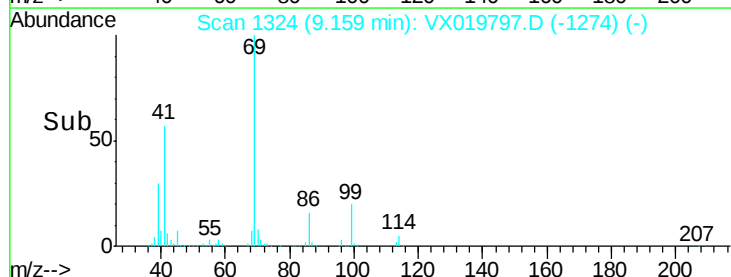
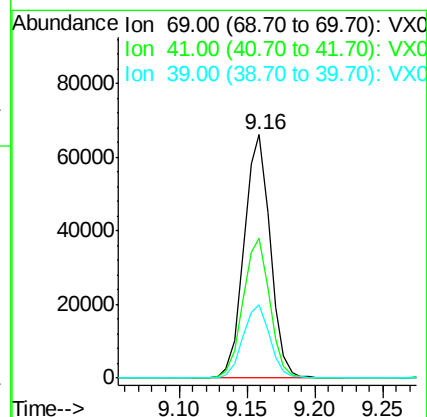
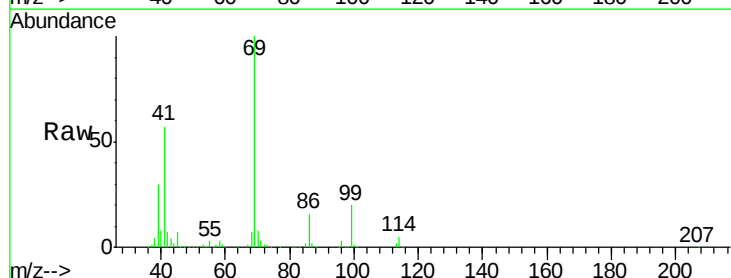
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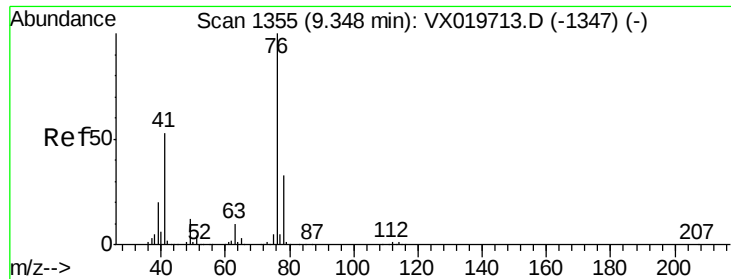
MMDadoda
 12/10/2020 9:31:01 AM



#56
 Ethyl methacrylate
 Concen: 18.703 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. 0.01 min
 Lab File: VX019797.D
 Acq: 09 Dec 2020 23:55

Tgt Ion:	69	Resp:	89088
Ion	Ratio	Lower	Upper
69	100		
41	58.2	46.8	70.2
39	30.8	24.7	37.1





#57

1,3-Dichloropropane

Concen: 19.110 ug/l

RT: 9.35 min Scan# 1355

Delta R.T. -0.00 min

Lab File: VX019797.D

Acq: 09 Dec 2020 23:55

Instrument :

MSVOA_X

ClientSampleId :

VX1209WBS02

Tot Ion: 76 Resp: 102733

Ion Ratio Lower Upper

76 100

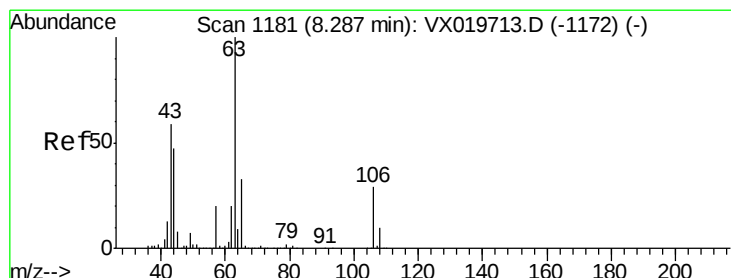
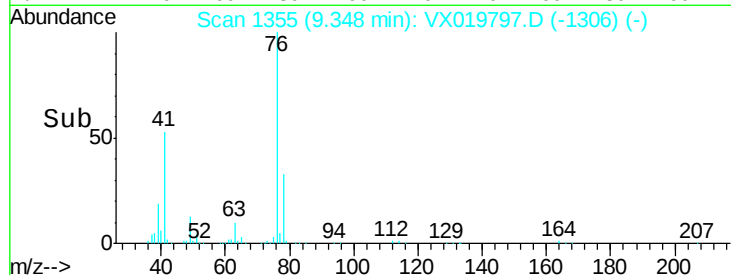
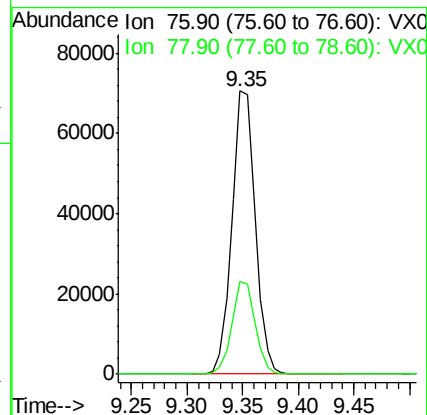
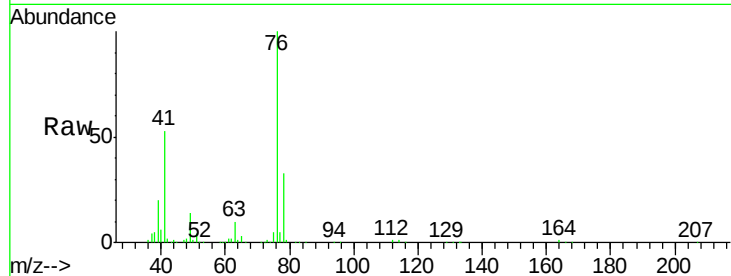
78 32.5 26.2 39.2

Manual Integrations

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MMDadoda

12/10/2020 9:31:01 AM



#58

2-Chloroethyl Vinyl ether

Concen: 98.164 ug/l

RT: 8.29 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VX019797.D

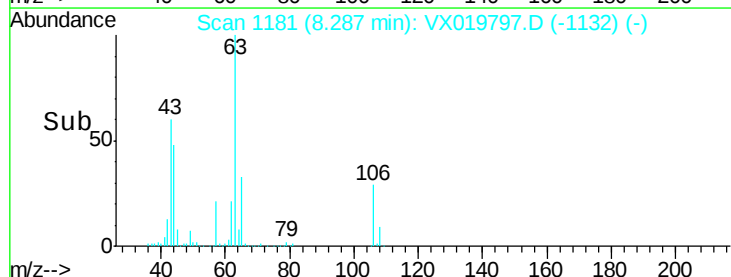
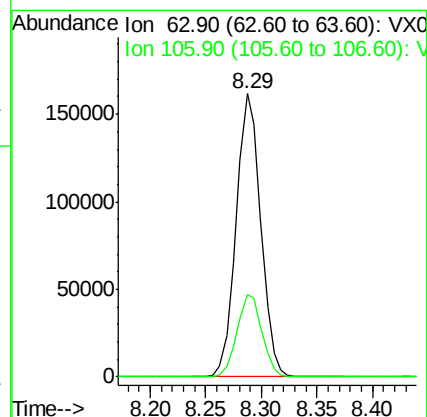
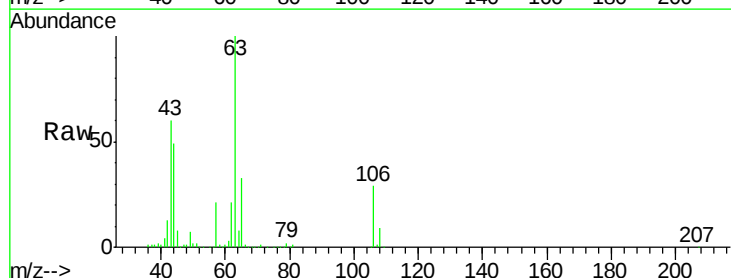
Acq: 09 Dec 2020 23:55

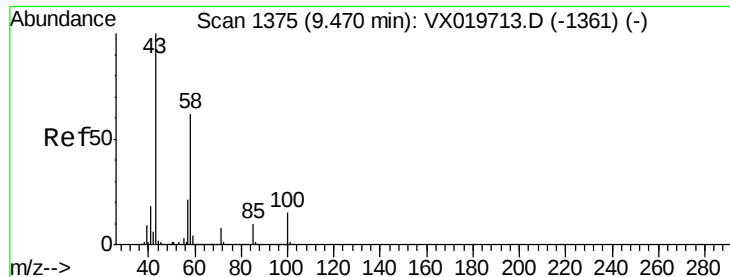
Tgt Ion: 63 Resp: 247708

Ion Ratio Lower Upper

63 100

106 29.4 23.5 35.3





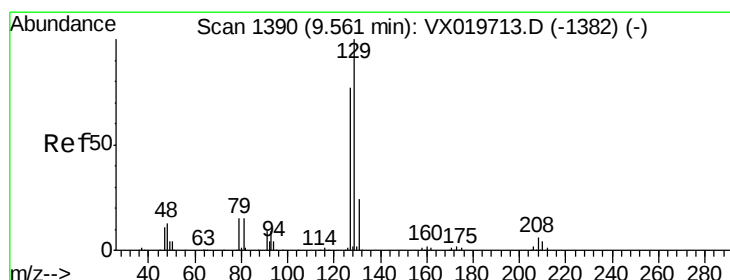
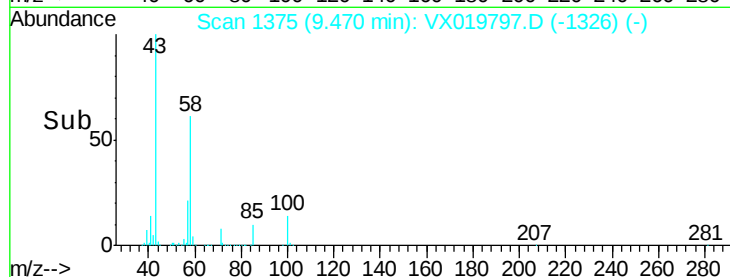
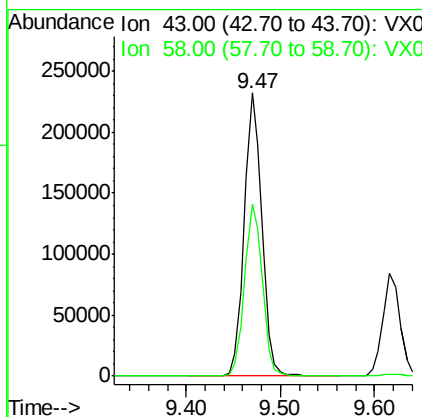
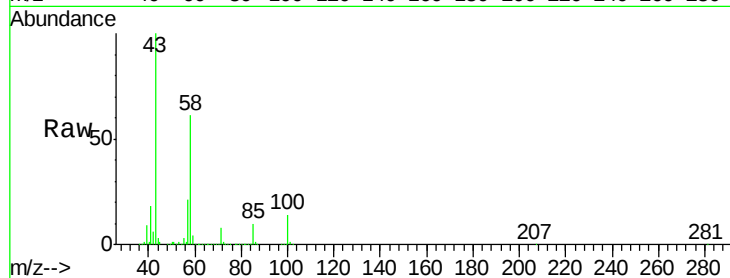
#59
2-Hexanone
Concen: 95.168 ug/l
RT: 9.47 min Scan# 1375
Delta R.T. -0.00 min
Lab File: VX019797.D
Acq: 09 Dec 2020 23:55

Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS02

Tot Ion: 43 Resp: 302313
Ion Ratio Lower Upper
43 100
58 61.7 30.9 92.8

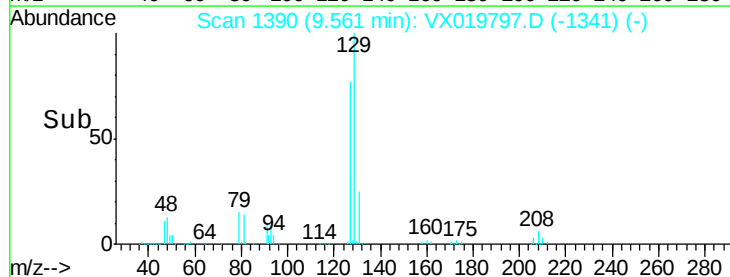
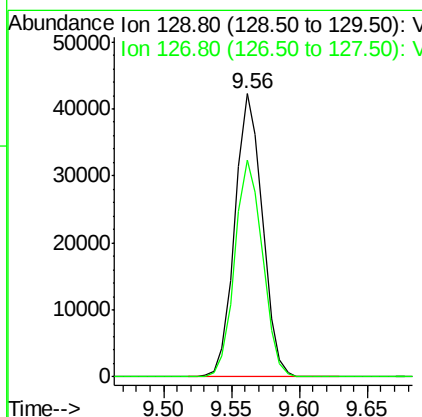
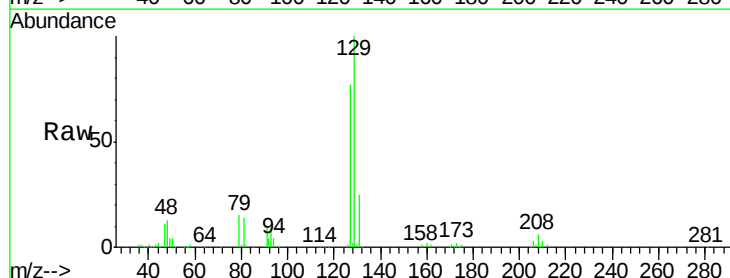
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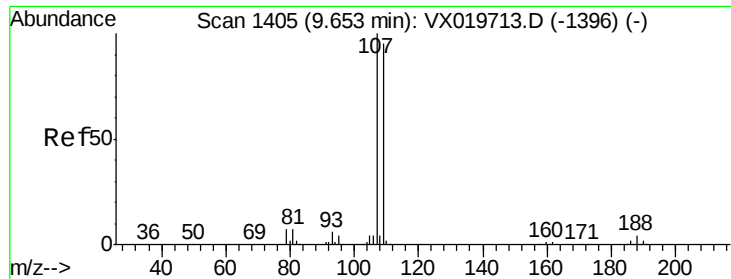
MMDadoda
12/10/2020 9:31:01 AM



#60
Dibromochloromethane
Concen: 18.665 ug/l
RT: 9.56 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VX019797.D
Acq: 09 Dec 2020 23:55

Tgt Ion: 129 Resp: 59703
Ion Ratio Lower Upper
129 100
127 77.1 38.4 115.2





#61

1,2-Dibromoethane

Concen: 19.011 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. -0.00 min

Lab File: VX019797.D

Acq: 09 Dec 2020 23:55

Instrument :

MSVOA_X

ClientSampleId :

VX1209WBS02

Tot Ion:107 Resp: 63555

Ion Ratio Lower Upper

107 100

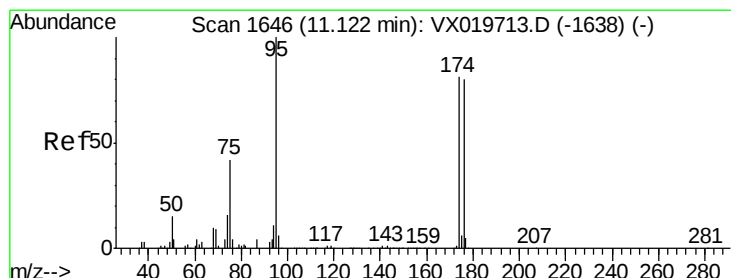
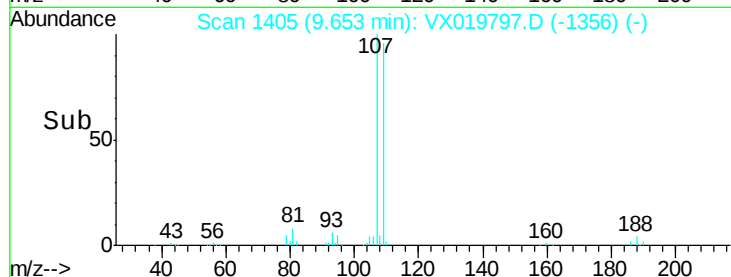
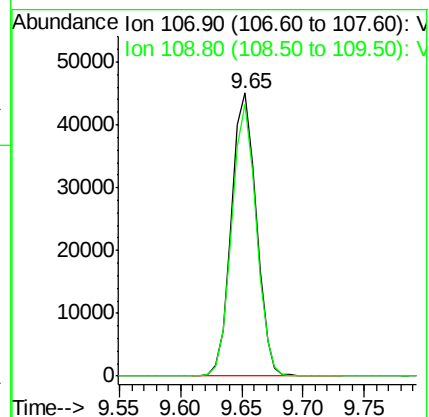
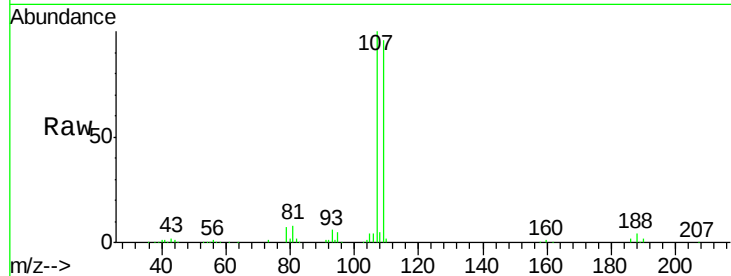
109 94.7 75.8 113.6

Manual Integrations

APPROVED

MMDadoda

12/10/2020 9:31:01 AM



#62

4-Bromofluorobenzene

Concen: 46.155 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019797.D

Acq: 09 Dec 2020 23:55

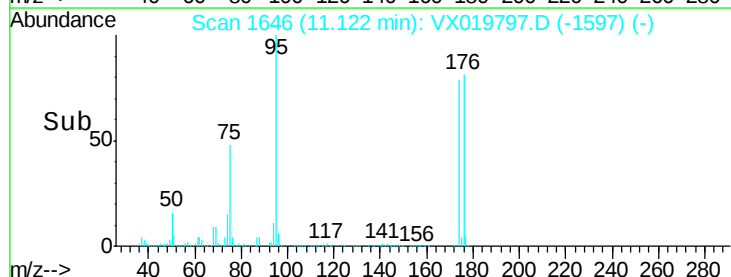
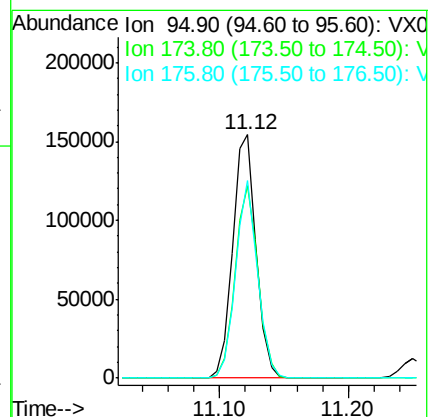
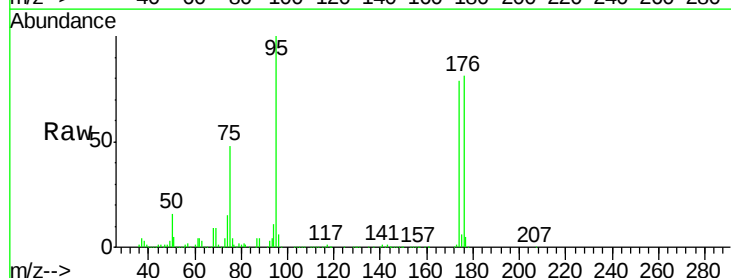
Tgt Ion: 95 Resp: 196143

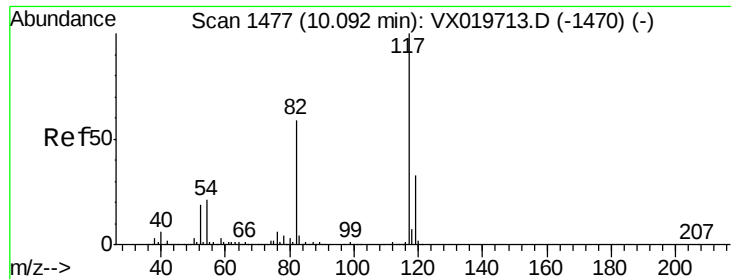
Ion Ratio Lower Upper

95 100

174 77.4 0.0 154.6

176 76.1 0.0 155.8





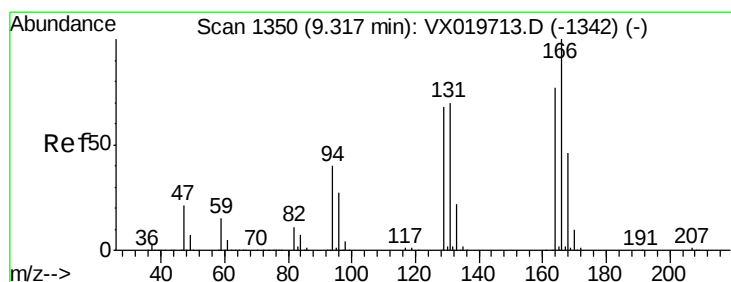
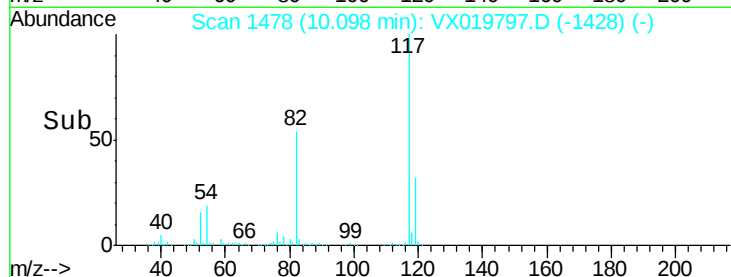
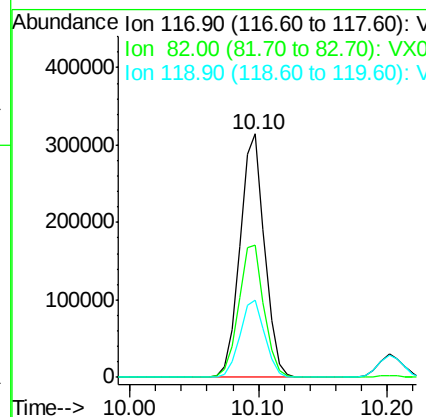
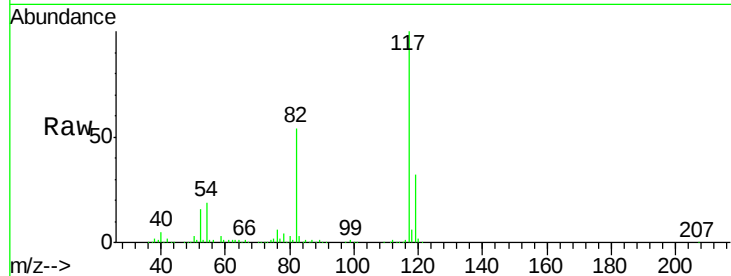
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.01 min
Lab File: VX019797.D
Acq: 09 Dec 2020 23:55

Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	417565		
82	54.1		47.4	71.2
119	31.8		26.6	39.8

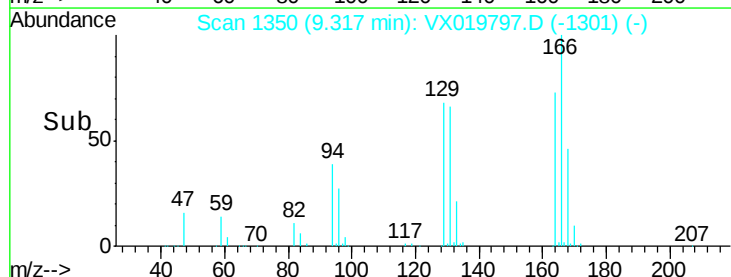
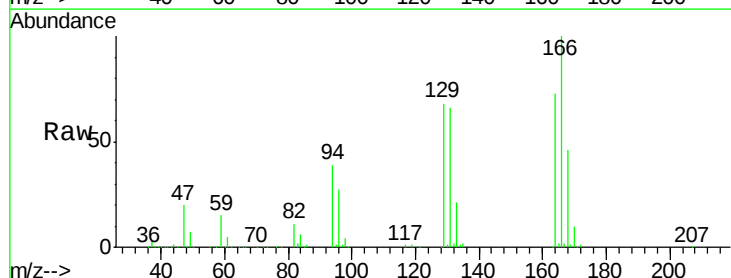
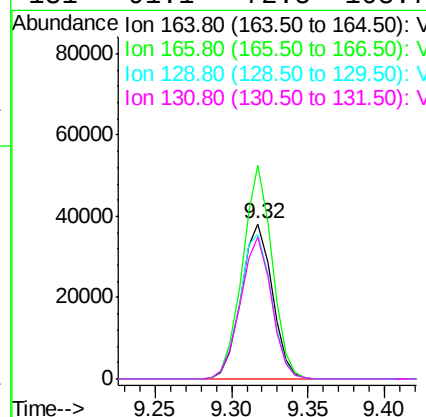
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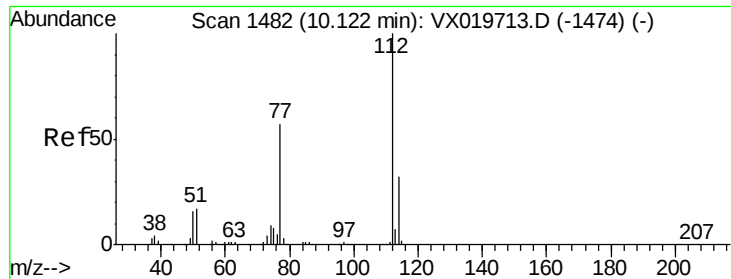
MMDadoda
12/10/2020 9:31:01 AM



#64
Tetrachloroethene
Concen: 19.289 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX019797.D
Acq: 09 Dec 2020 23:55

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	54013		
166	137.3		103.4	155.2
129	93.4		70.8	106.2
131	91.1		72.5	108.7





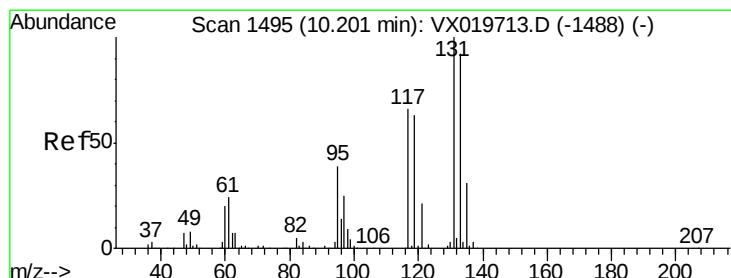
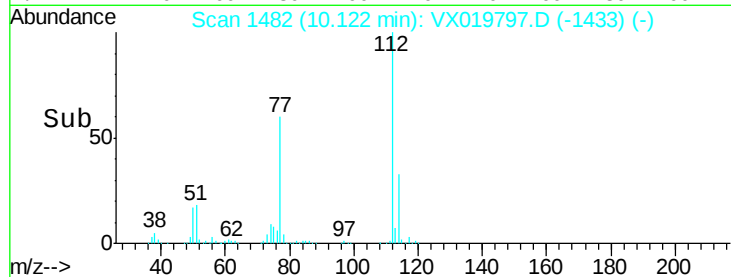
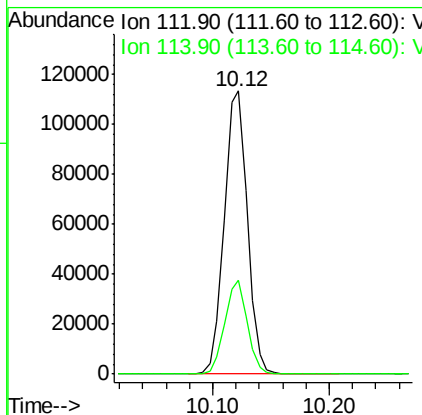
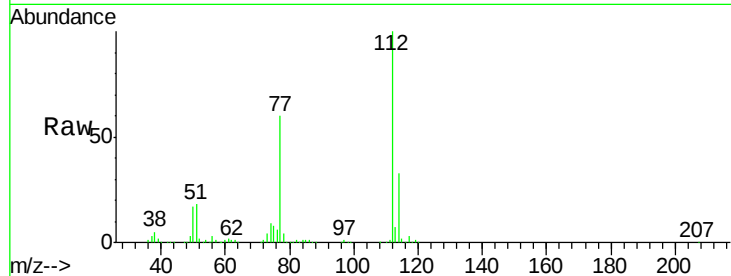
#65
Chlorobenzene
Concen: 18.653 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VX019797.D
Acq: 09 Dec 2020 23:55

Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS02

Tot Ion:112 Resp: 155179
Ion Ratio Lower Upper
112 100
114 33.2 25.8 38.6

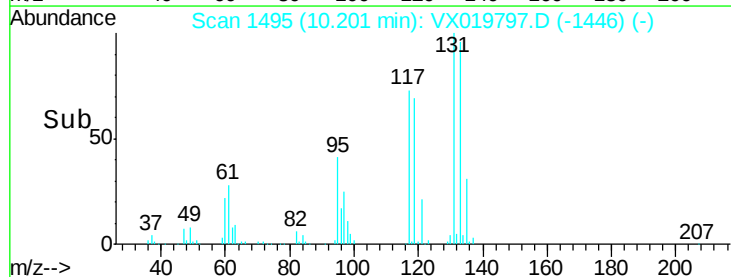
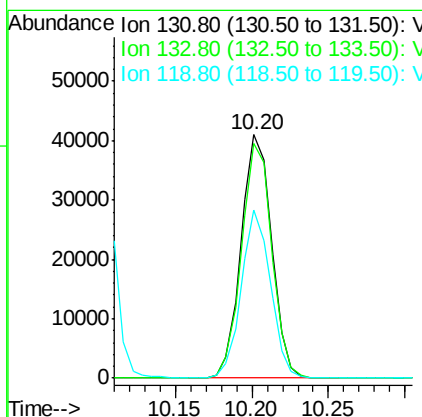
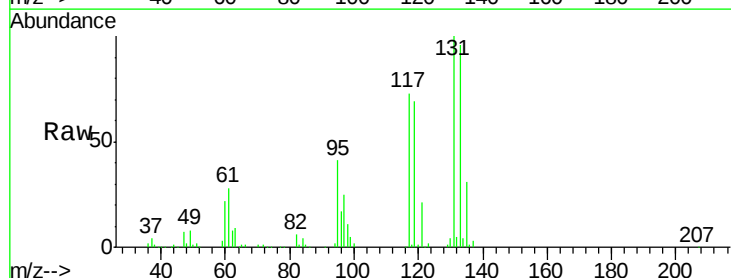
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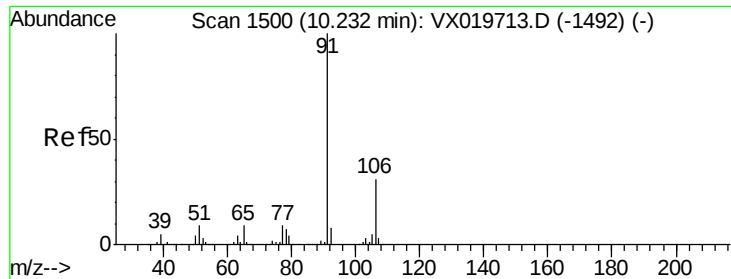
MMDadoda
12/10/2020 9:31:01 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.008 ug/l
RT: 10.20 min Scan# 1495
Delta R.T. -0.00 min
Lab File: VX019797.D
Acq: 09 Dec 2020 23:55

Tgt Ion:131 Resp: 56914
Ion Ratio Lower Upper
131 100
133 95.5 47.7 143.1
119 65.8 32.1 96.5





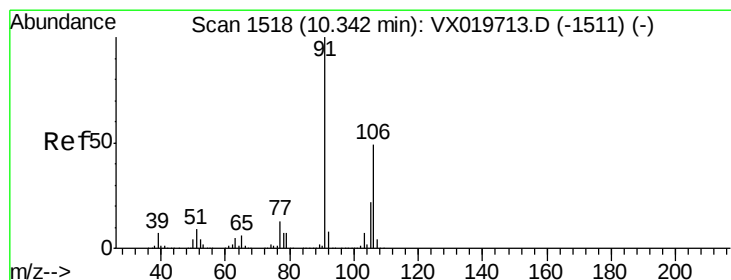
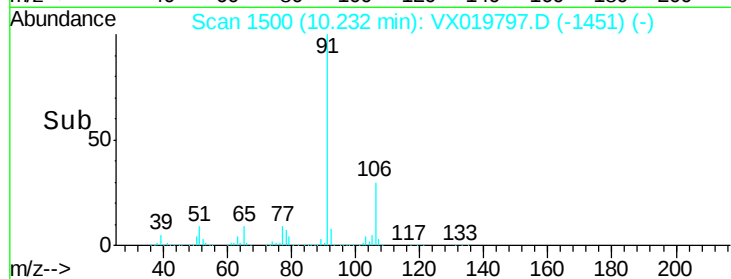
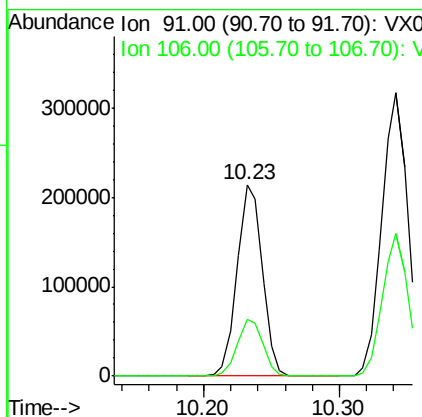
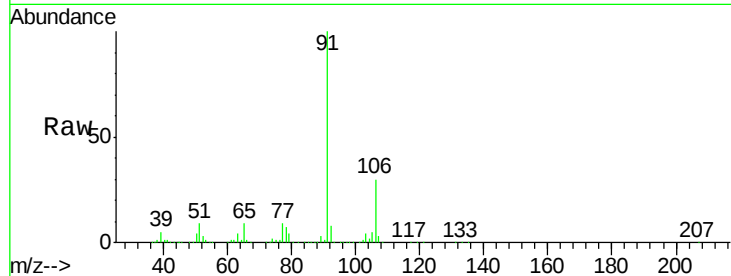
#67
Ethyl Benzene
Concen: 18.734 ug/l
RT: 10.23 min Scan# 1500
Delta R.T. -0.00 min
Lab File: VX019797.D
Acq: 09 Dec 2020 23:55

Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS02

Tot Ion: 91 Resp: 276633
Ion Ratio Lower Upper
91 100
106 29.6 24.6 37.0

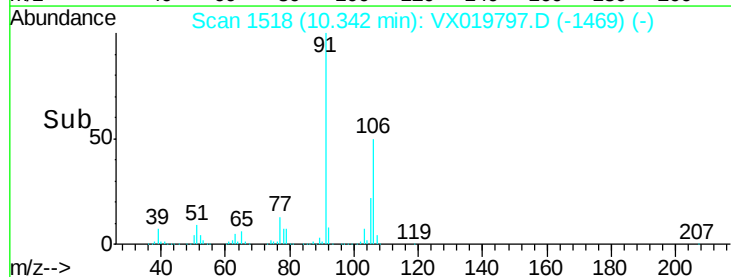
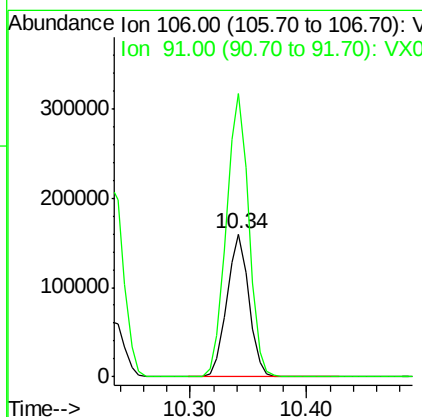
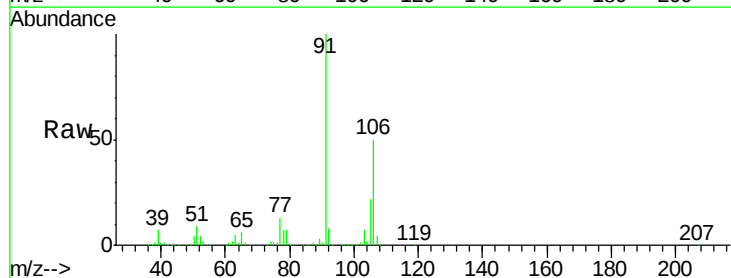
Manual Integrations
APPROVED

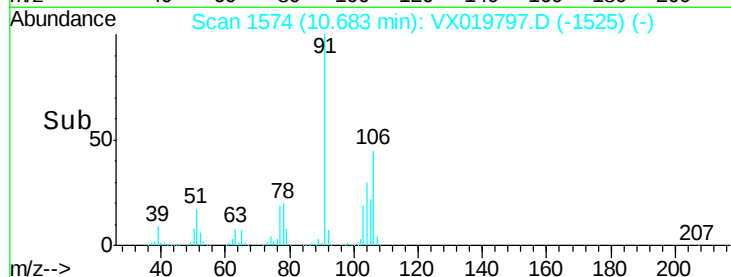
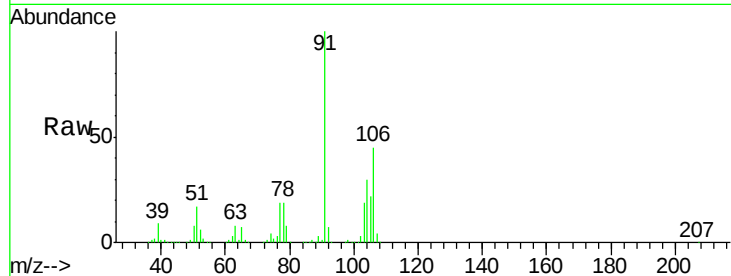
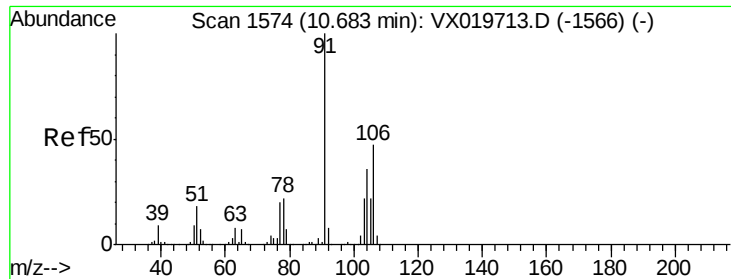
MMDadoda
12/10/2020 9:31:01 AM



#68
m/p-Xylenes
Concen: 37.391 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VX019797.D
Acq: 09 Dec 2020 23:55

Tgt Ion: 106 Resp: 208053
Ion Ratio Lower Upper
106 100
91 202.9 162.8 244.2





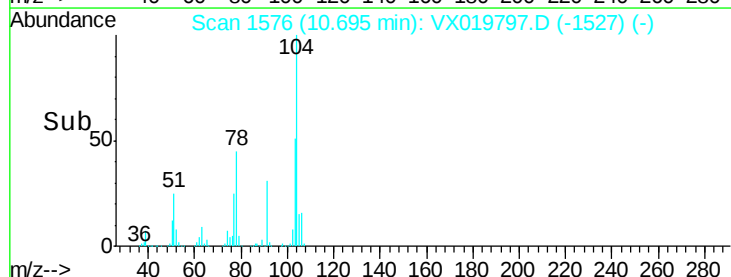
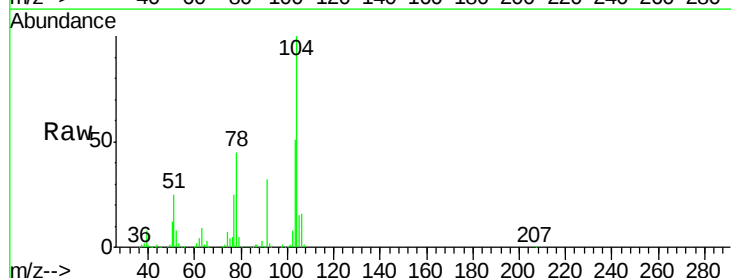
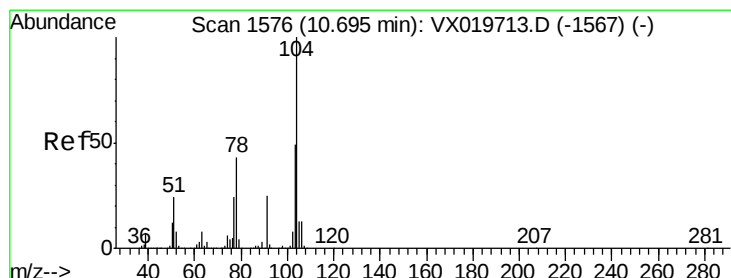
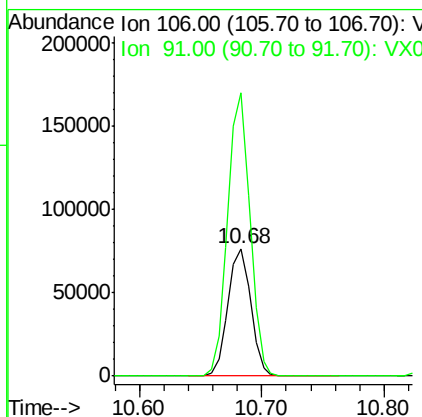
#69
o-Xylene
Concen: 18.477 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX019797.D
Acq: 09 Dec 2020 23:55

Tot Ion: 106 Resp: 98900
Ion Ratio Lower Upper
106 100
91 217.7 108.1 324.2

Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS02

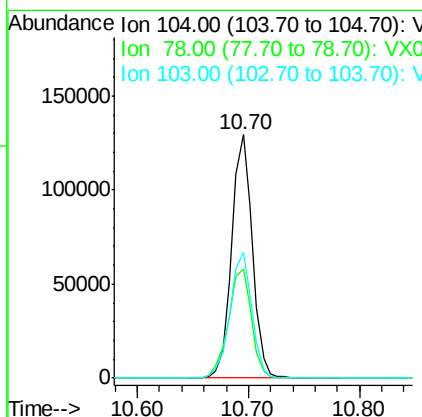
Manual Integrations
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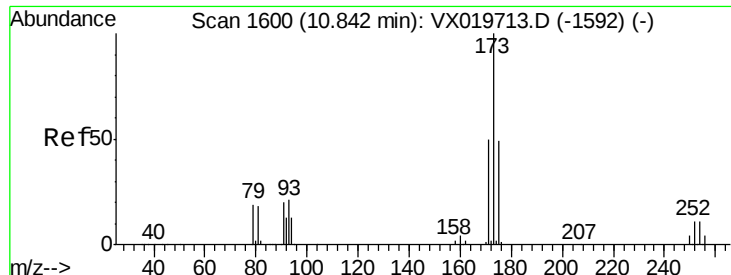
MMDadoda
12/10/2020 9:31:01 AM



#70
Styrene
Concen: 18.365 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX019797.D
Acq: 09 Dec 2020 23:55

Tgt Ion: 104 Resp: 165922
Ion Ratio Lower Upper
104 100
78 50.3 40.0 60.0
103 54.8 43.4 65.0





#71

Bromoform

Concen: 18.050 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VX019797.D

Acq: 09 Dec 2020 23:55

Instrument :

MSVOA_X

ClientSampleId :

VX1209WBS02

Tot Ion:173 Resp: 42518

Ion Ratio Lower Upper

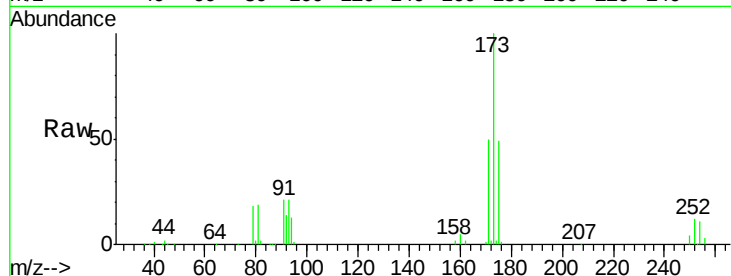
173 100

175 47.6 23.9 71.8

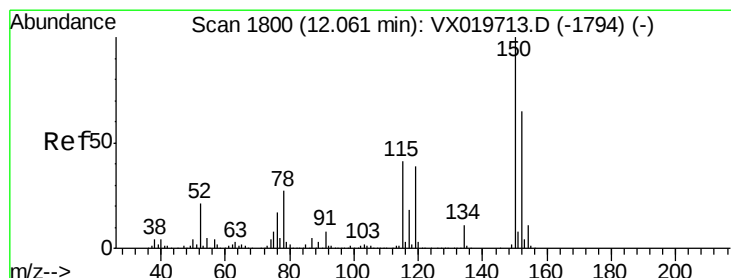
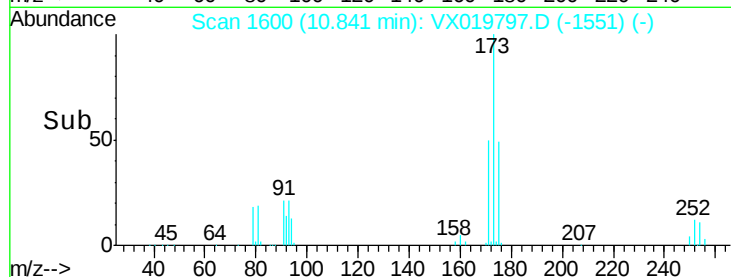
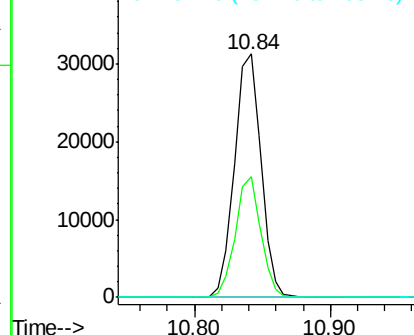
254 0.0 0.1 0.1#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX019797.D

Acq: 09 Dec 2020 23:55

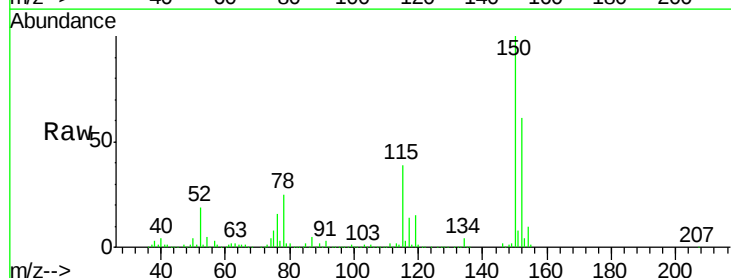
Tgt Ion:152 Resp: 197052

Ion Ratio Lower Upper

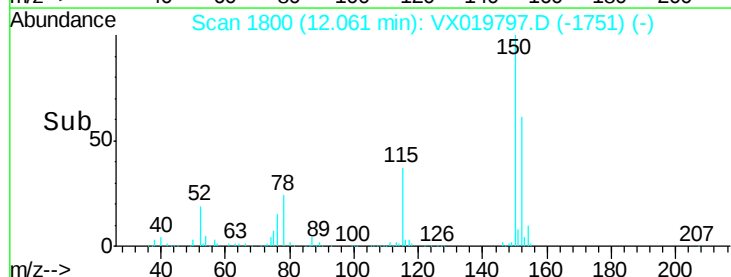
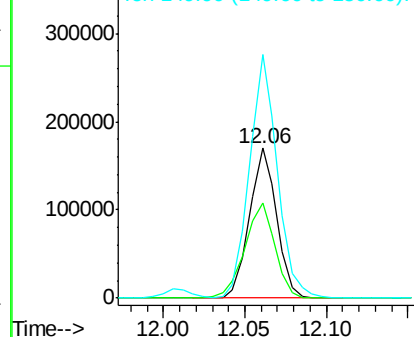
152 100

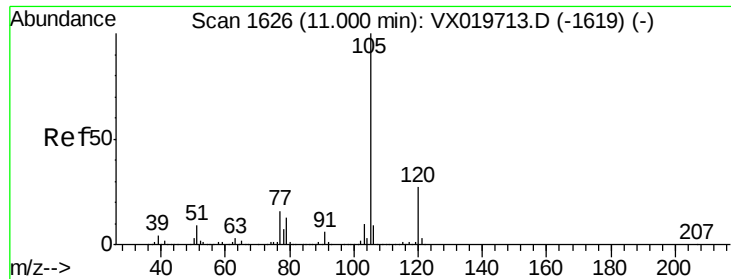
115 70.1 41.1 123.3

150 166.6 0.0 349.0



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





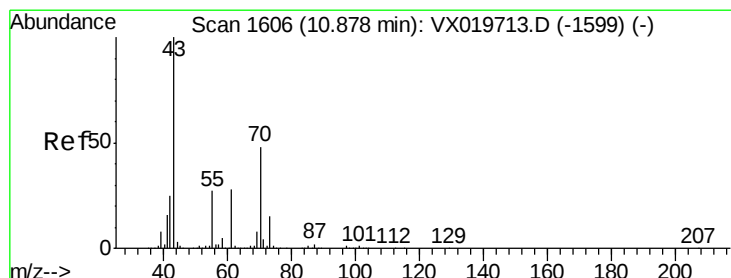
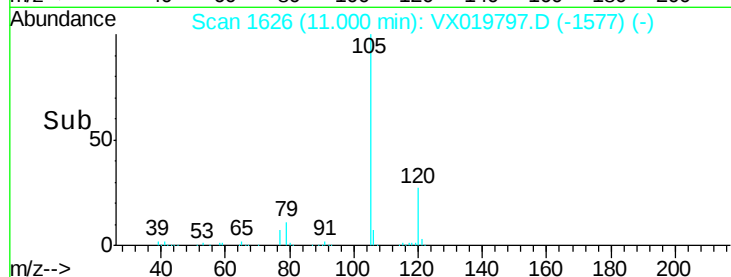
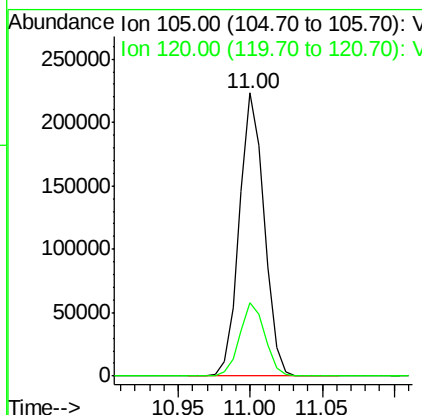
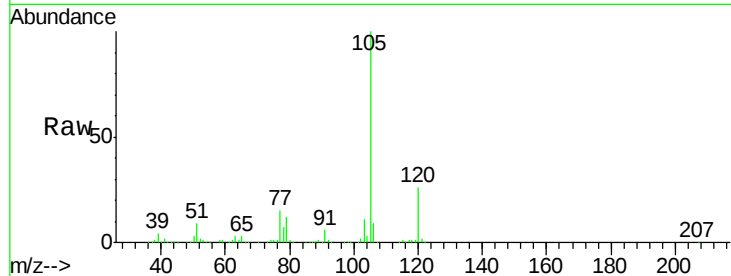
#73
Isopropylbenzene
Concen: 19.918 ug/l
RT: 11.00 min Scan# 1626
Delta R.T. -0.00 min
Lab File: VX019797.D
Acq: 09 Dec 2020 23:55

Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS02

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.1	13.2	39.6

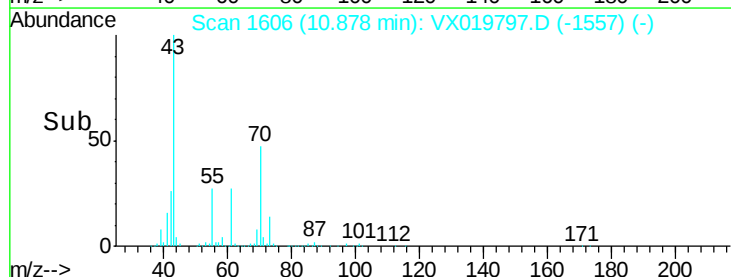
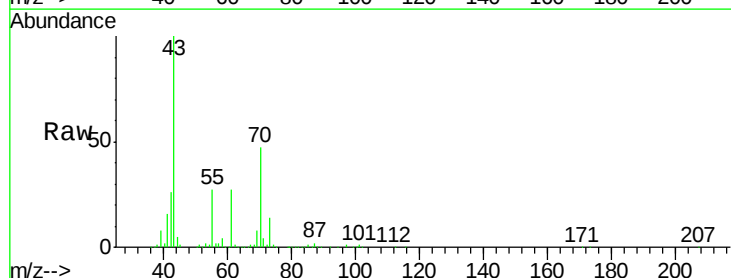
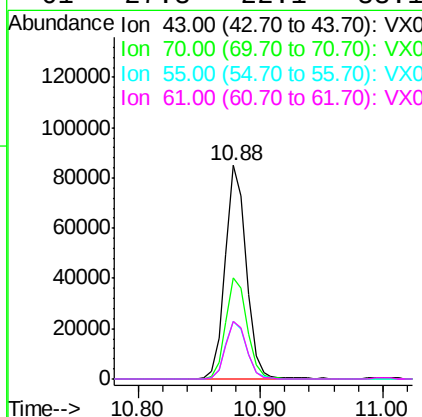
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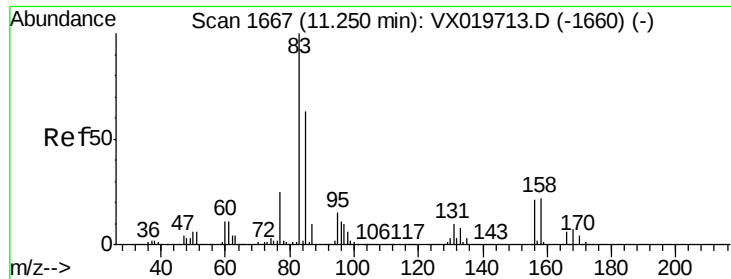
MMDadoda
12/10/2020 9:31:01 AM



#74
N-ethyl acetate
Concen: 18.647 ug/l
RT: 10.88 min Scan# 1606
Delta R.T. -0.00 min
Lab File: VX019797.D
Acq: 09 Dec 2020 23:55

Tgt Ion	Ratio	Lower	Upper
43	100		
70	48.5	39.0	58.6
55	27.6	21.5	32.3
61	27.3	22.1	33.1





#75

1,1,2,2-Tetrachloroethane

Concen: 20.275 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. -0.00 min

Lab File: VX019797.D

Acq: 09 Dec 2020 23:55

Instrument :

MSVOA_X

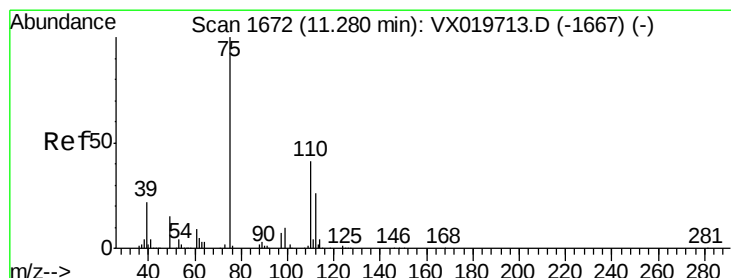
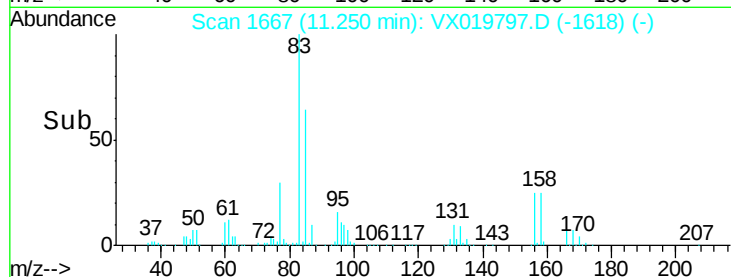
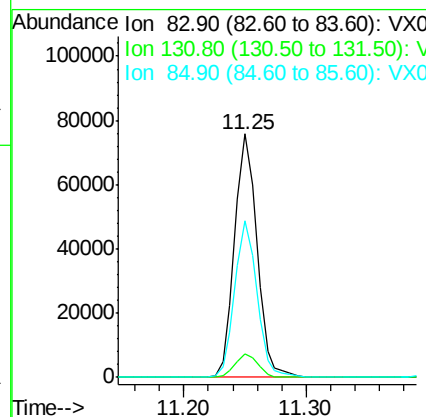
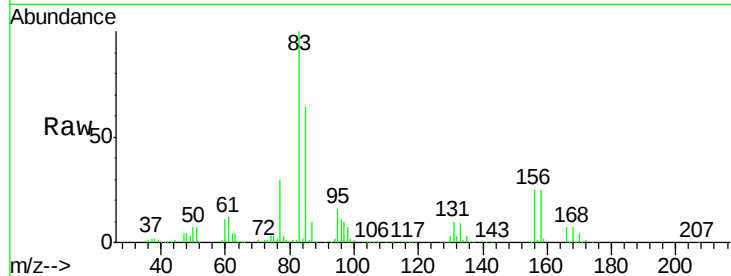
ClientSampleId :

VX1209WBS02

Tot Ion:	83	Resp:	96232
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.1	15.2
85	63.9	31.8	95.4

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#76

1,2,3-Trichloropropane

Concen: 19.646 ug/l m

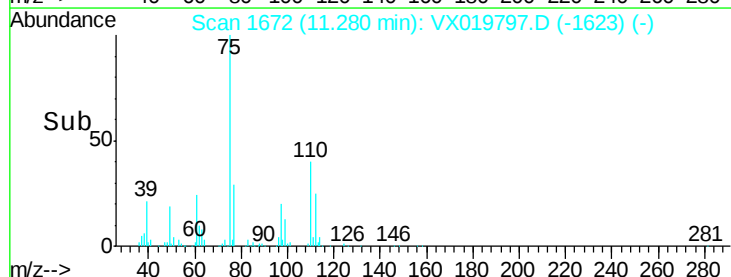
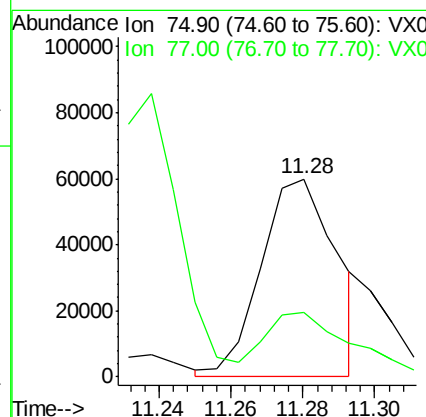
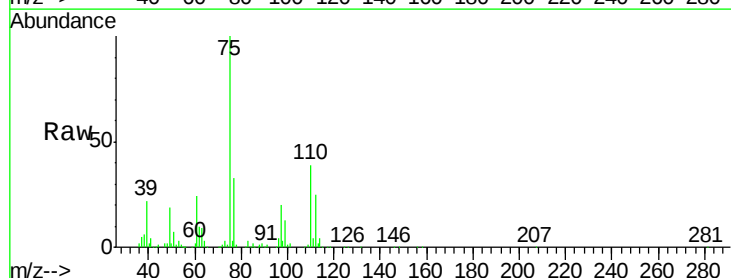
RT: 11.28 min Scan# 1672

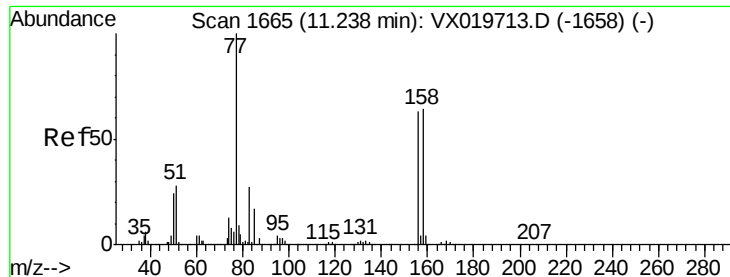
Delta R.T. -0.00 min

Lab File: VX019797.D

Acq: 09 Dec 2020 23:55

Tgt Ion:	75	Resp:	86826
Ion Ratio	Lower	Upper	
75	100		
77	37.6	19.1	57.5





#77

Bromobenzene

Concen: 19.523 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VX019797.D

Acq: 09 Dec 2020 23:55

Instrument :

MSVOA_X

ClientSampleId :

VX1209WBS02

Tot Ion:156 Resp: 67260

Ion Ratio Lower Upper

156 100

77 165.5 82.8 248.6

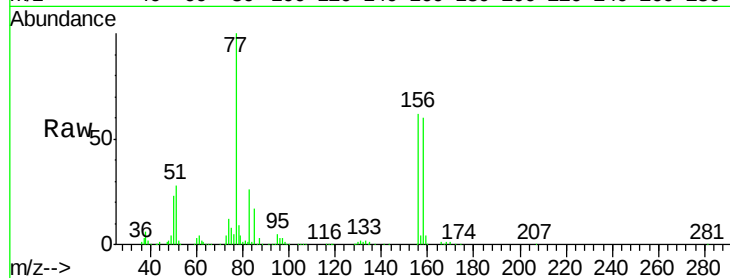
158 98.1 49.1 147.4

Manual Integrations

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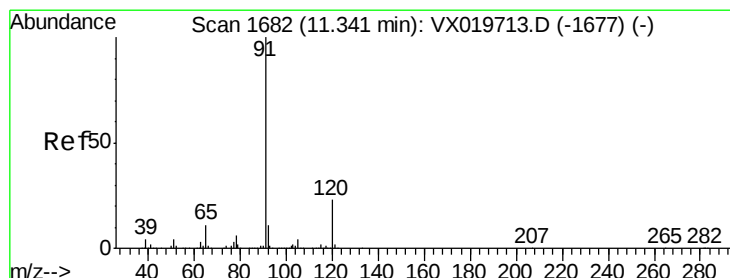
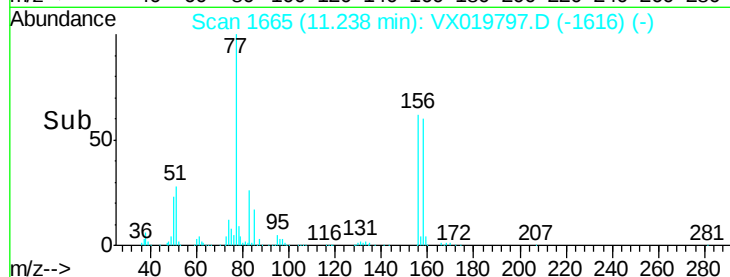
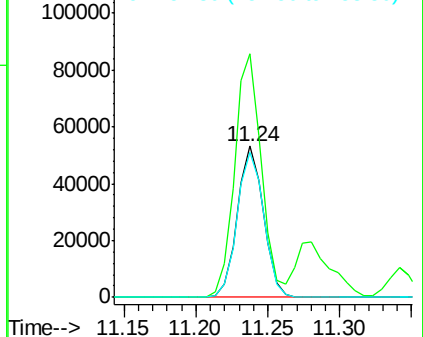
12/10/2020 9:31:01 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.572 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VX019797.D

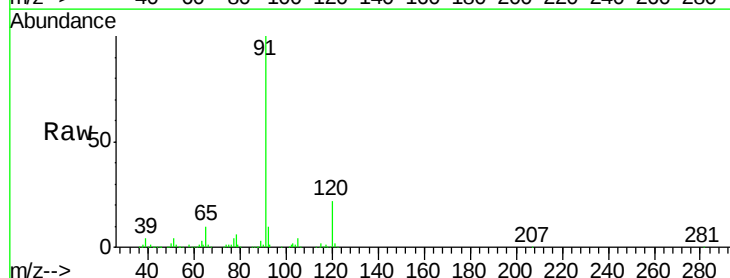
Acq: 09 Dec 2020 23:55

Tgt Ion: 91 Resp: 300947

Ion Ratio Lower Upper

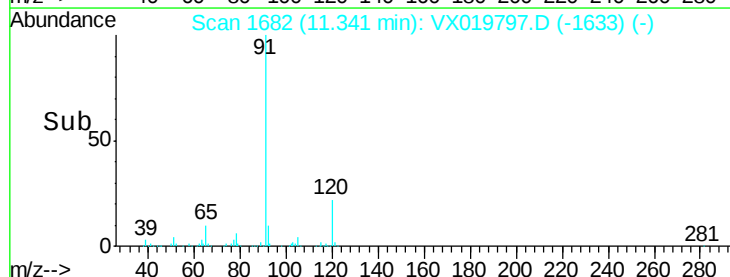
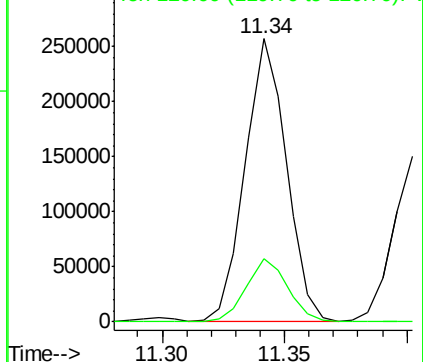
91 100

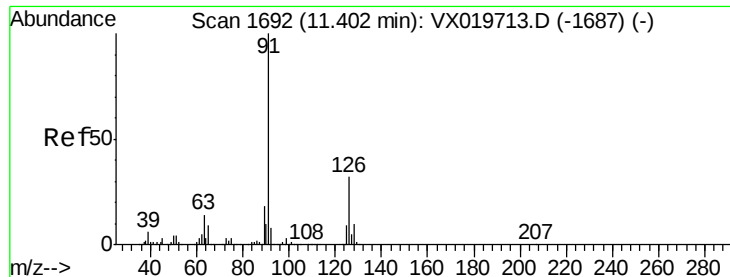
120 22.7 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.454 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VX019797.D

Acq: 09 Dec 2020 23:55

Instrument :

MSVOA_X

ClientSampleId :

VX1209WBS02

Tot Ion: 91 Resp: 184207

Ion Ratio Lower Upper

91 100

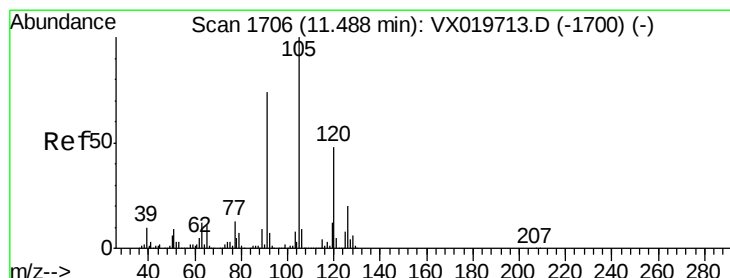
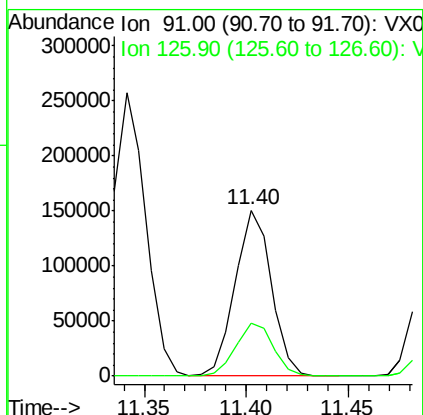
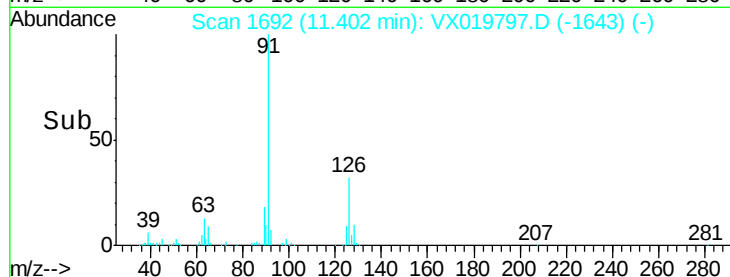
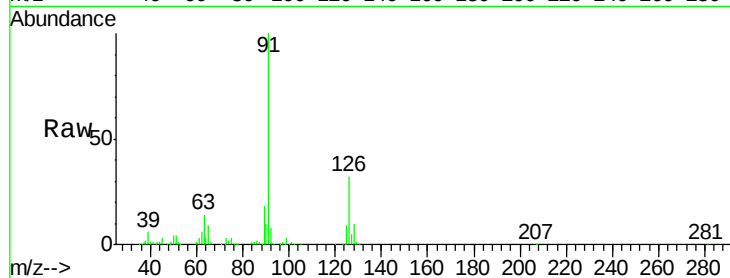
126 33.4 16.6 49.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 19.985 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. -0.00 min

Lab File: VX019797.D

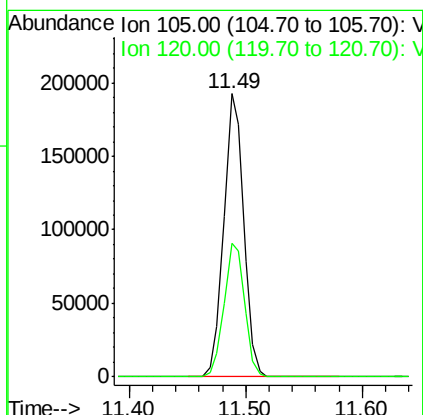
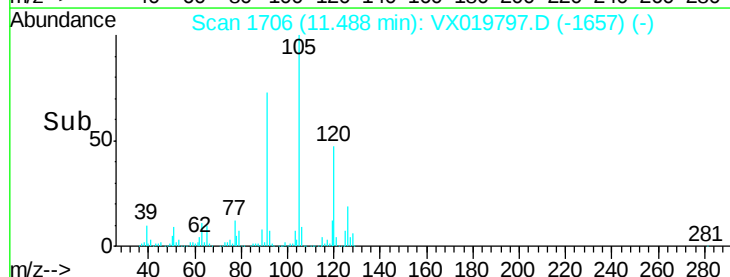
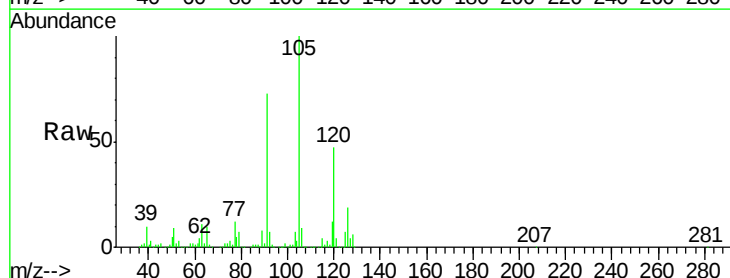
Acq: 09 Dec 2020 23:55

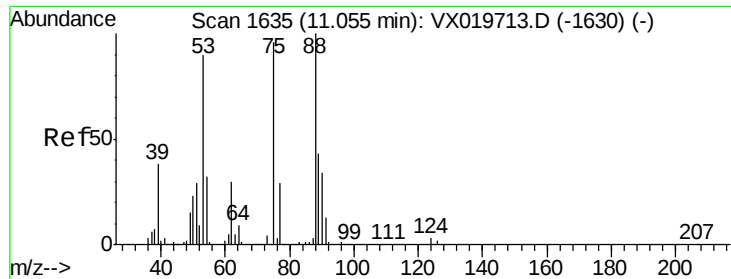
Tgt Ion: 105 Resp: 227067

Ion Ratio Lower Upper

105 100

120 48.6 23.8 71.5





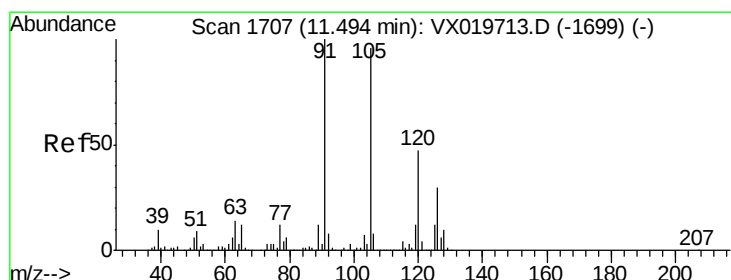
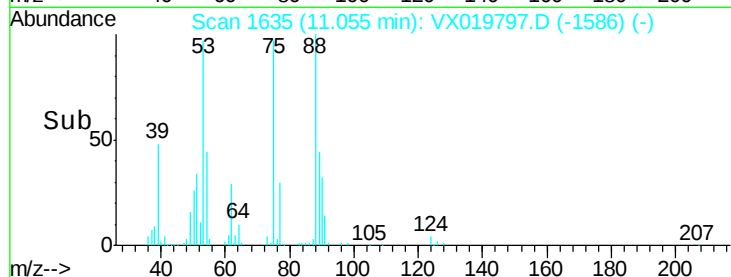
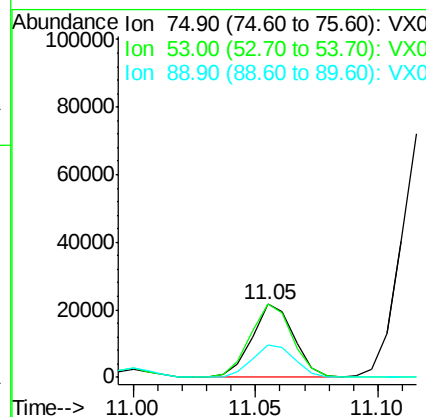
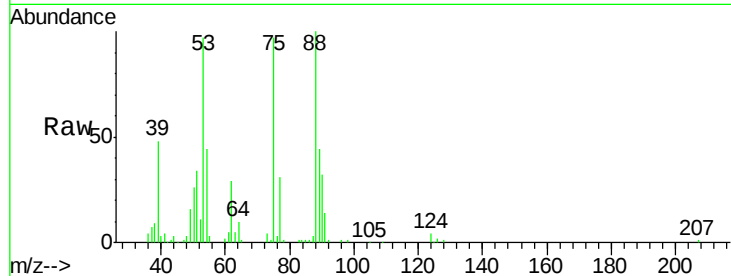
#81
trans-1,4-Dichloro-2-butene
Concen: 16.840 ug/l
RT: 11.05 min Scan# 1635
Delta R.T. -0.00 min
Lab File: VX019797.D
Acq: 09 Dec 2020 23:55

Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	102.2	74.5	111.7
89	45.7	37.9	56.9

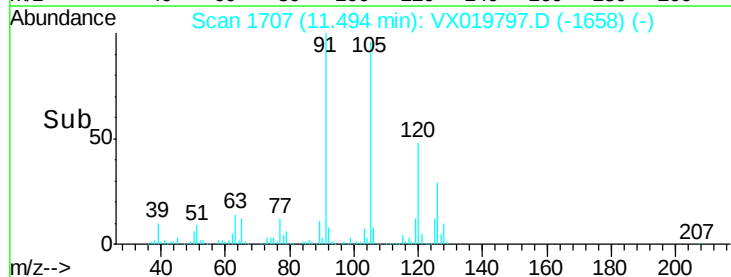
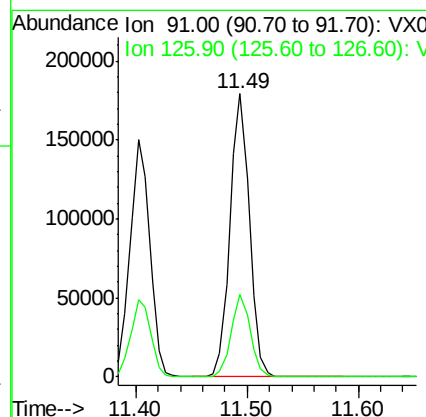
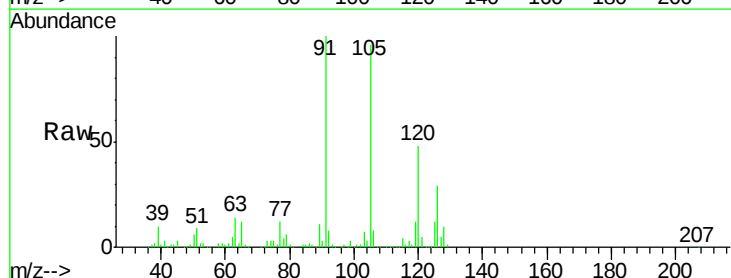
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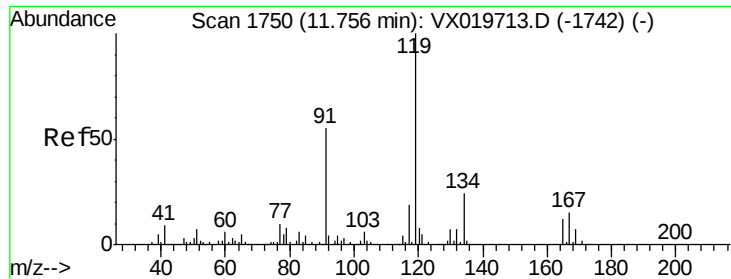
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#82
4-Chlorotoluene
Concen: 19.461 ug/l
RT: 11.49 min Scan# 1707
Delta R.T. -0.00 min
Lab File: VX019797.D
Acq: 09 Dec 2020 23:55

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.8	14.9	44.5





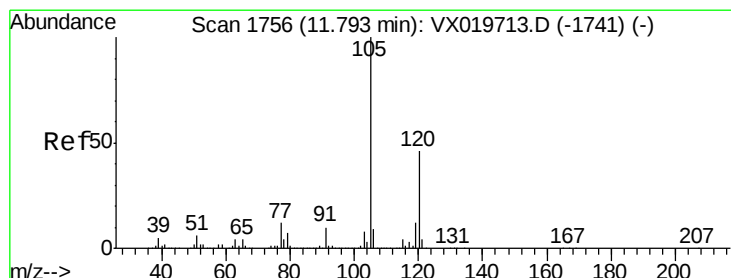
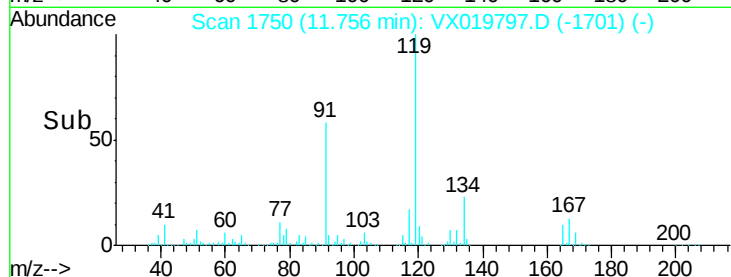
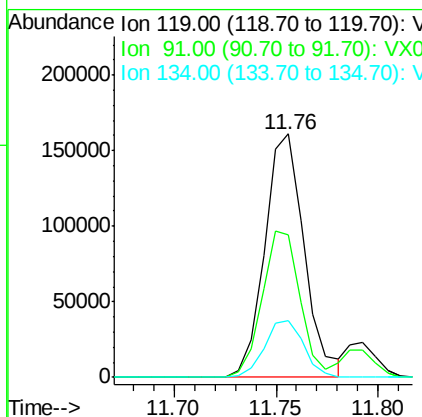
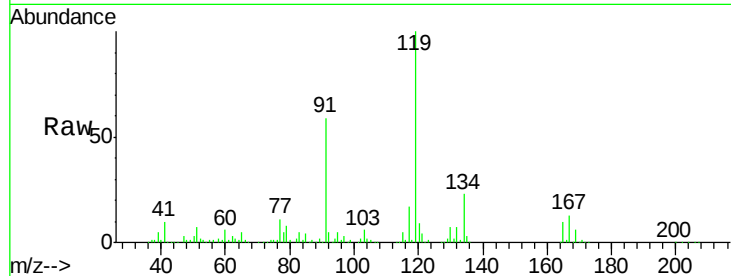
#83
tert-Butylbenzene
Concen: 19.520 ug/l
RT: 11.76 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VX019797.D
Acq: 09 Dec 2020 23:55

Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	57.7	27.9	83.7
134	23.0	11.3	33.9

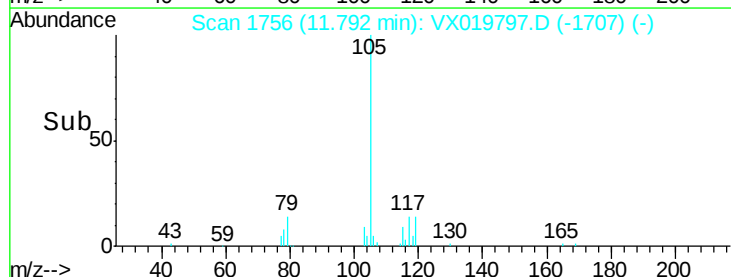
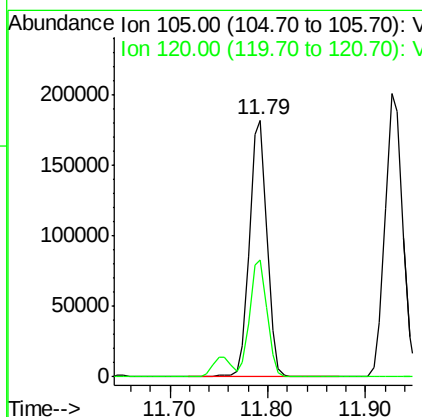
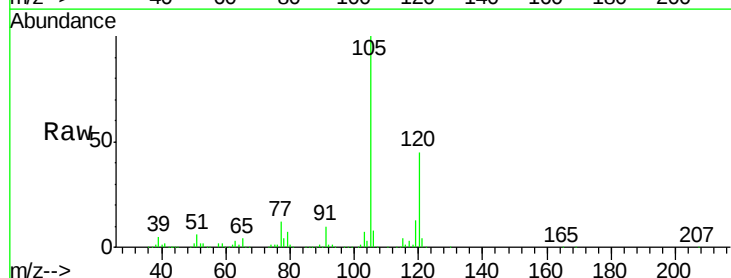
Manual Integrations
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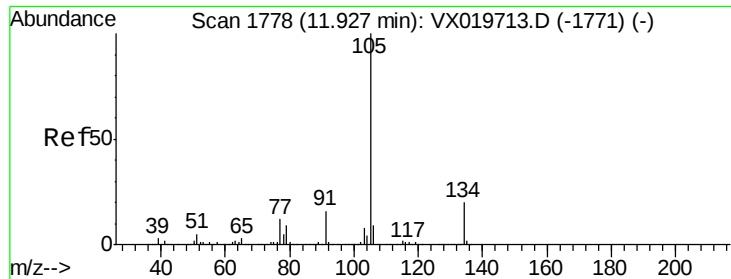
MMDadoda
12/10/2020 9:31:01 AM



#84
1,2,4-Trimethylbenzene
Concen: 19.692 ug/l
RT: 11.79 min Scan# 1756
Delta R.T. -0.00 min
Lab File: VX019797.D
Acq: 09 Dec 2020 23:55

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.0	22.4	67.3





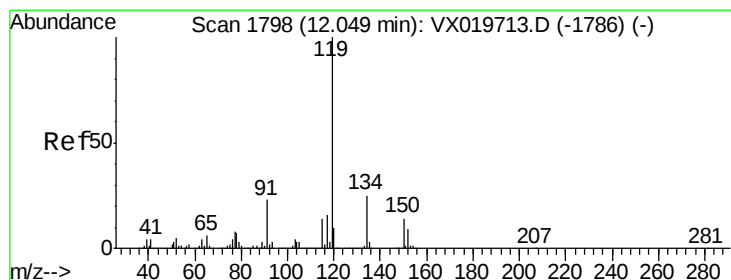
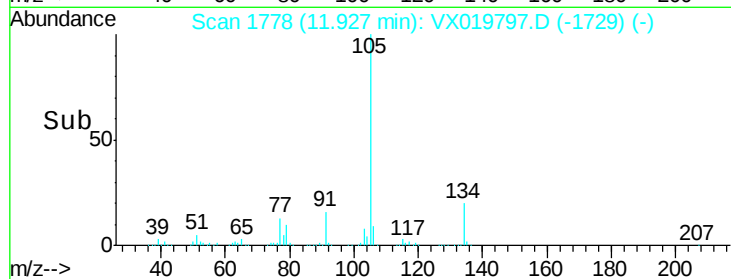
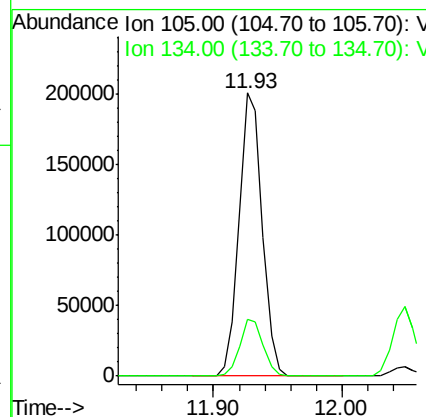
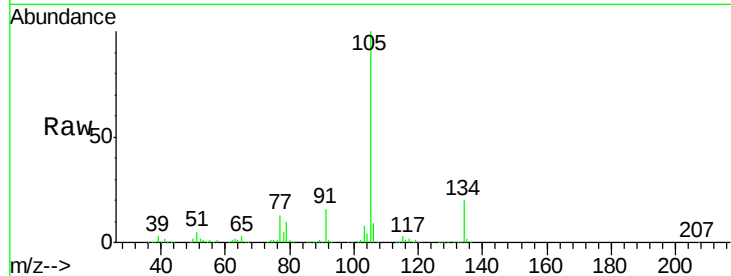
#85
 sec-Butylbenzene
 Concen: 19.750 ug/l
 RT: 11.93 min Scan# 1778
 Delta R.T. -0.00 min
 Lab File: VX019797.D
 Acq: 09 Dec 2020 23:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1209WBS02

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.1	10.0	29.8

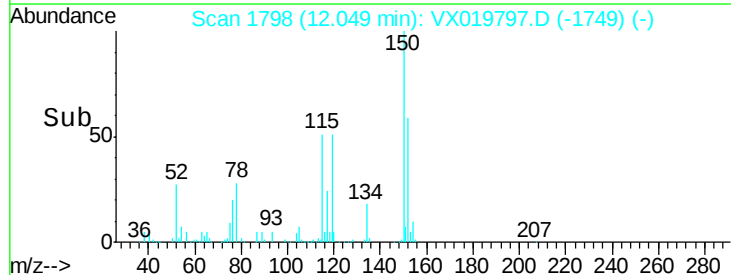
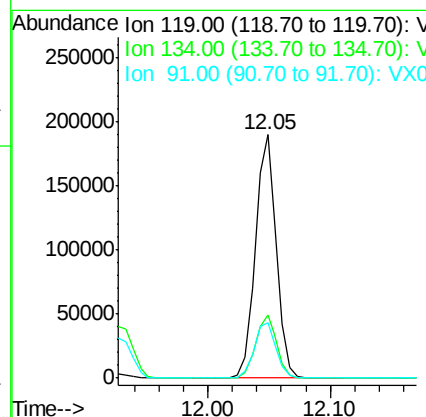
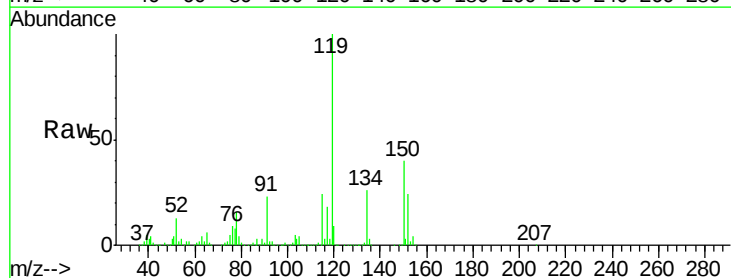
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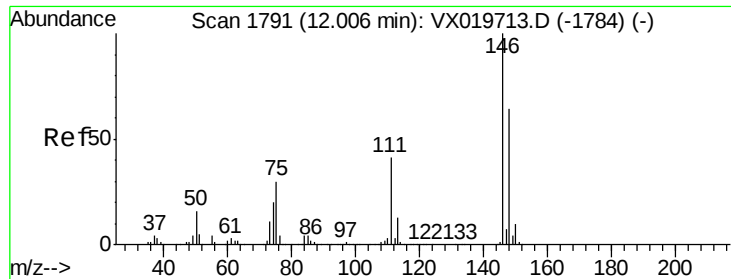
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#86
 p-Isopropyltoluene
 Concen: 19.338 ug/l
 RT: 12.05 min Scan# 1798
 Delta R.T. -0.00 min
 Lab File: VX019797.D
 Acq: 09 Dec 2020 23:55

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.2	12.9	38.7
91	23.8	11.7	35.0





#87

1,3-Dichlorobenzene

Concen: 18.808 ug/l

RT: 12.01 min Scan# 1791

Delta R.T. -0.00 min

Lab File: VX019797.D

Acq: 09 Dec 2020 23:55

Instrument :

MSVOA_X

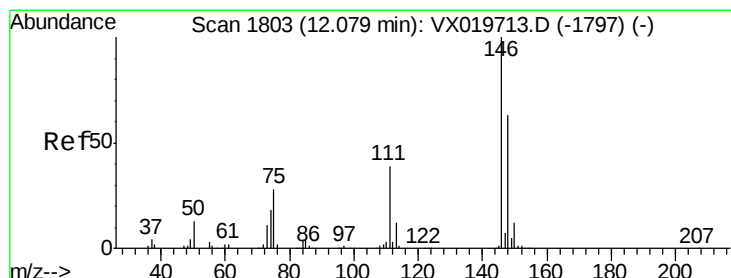
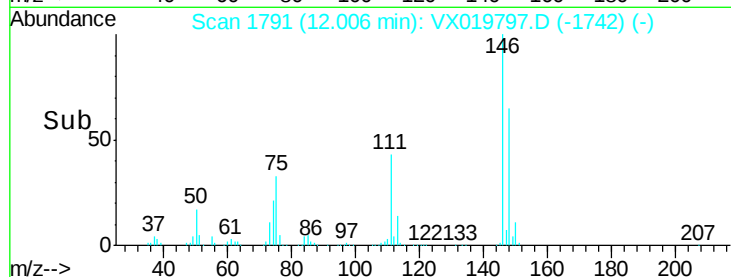
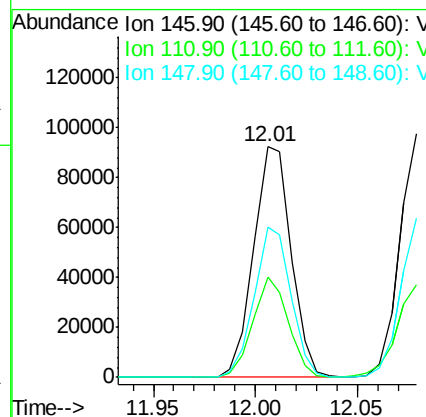
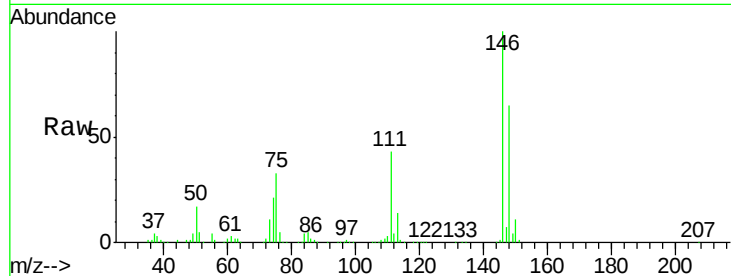
ClientSampleId :

VX1209WBS02

Tot Ion:	146	Resp:	118930
Ion Ratio	Lower	Upper	
146	100		
111	41.0	20.2	60.5
148	63.7	31.9	95.7

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 18.866 ug/l

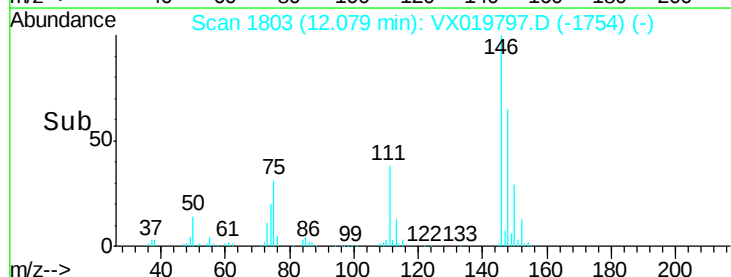
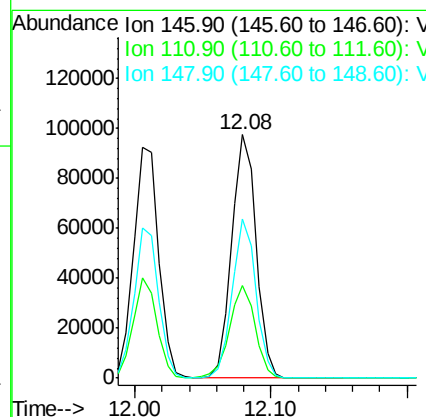
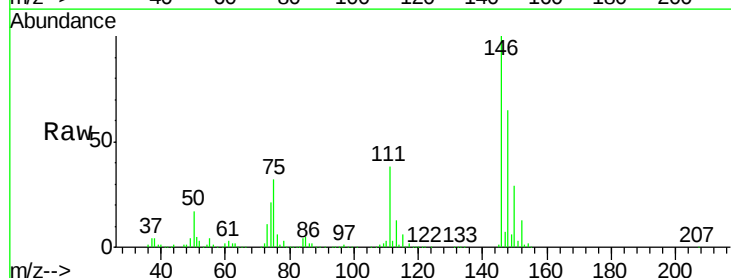
RT: 12.08 min Scan# 1803

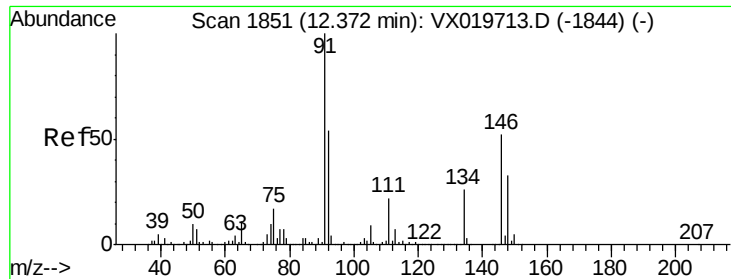
Delta R.T. -0.00 min

Lab File: VX019797.D

Acq: 09 Dec 2020 23:55

Tgt Ion:	146	Resp:	121502
Ion Ratio	Lower	Upper	
146	100		
111	40.0	19.6	58.8
148	63.6	31.6	95.0





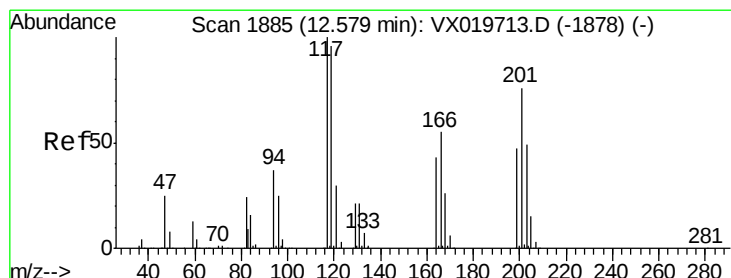
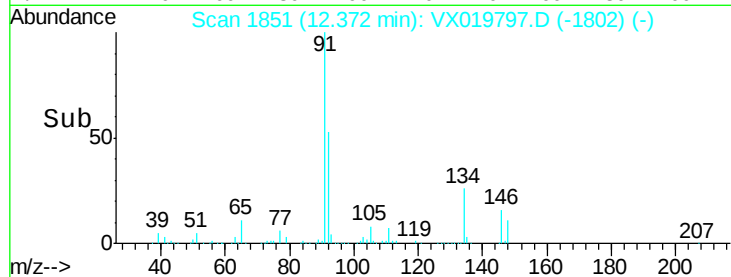
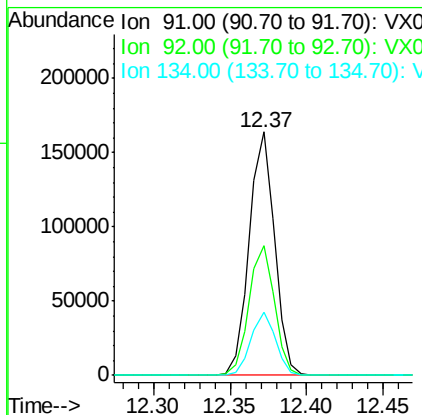
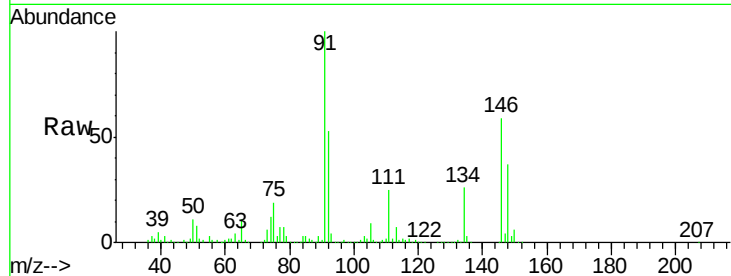
#89
n-Butylbenzene
Concen: 18.295 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. -0.00 min
Lab File: VX019797.D
Acq: 09 Dec 2020 23:55

Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.7	27.4	82.0
134	25.3	13.2	39.5

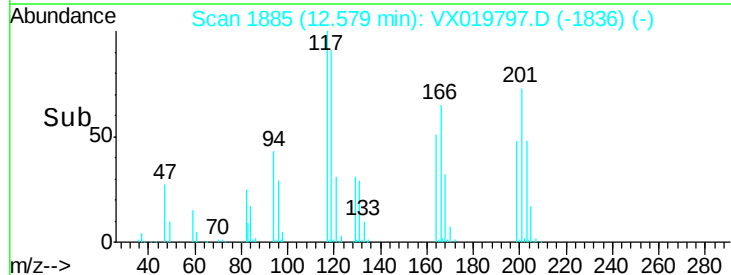
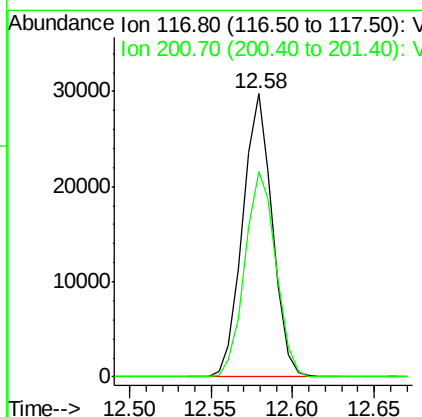
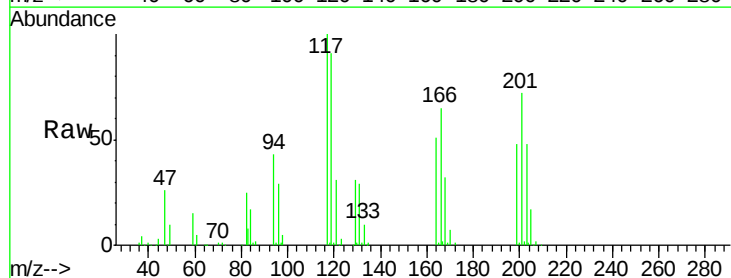
Manual Integrations
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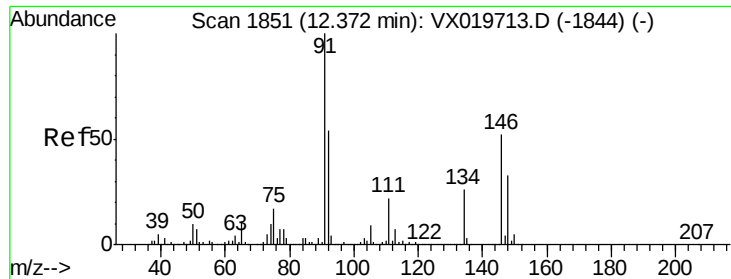
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#90
Hexachloroethane
Concen: 18.712 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX019797.D
Acq: 09 Dec 2020 23:55

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.0	40.4	121.2





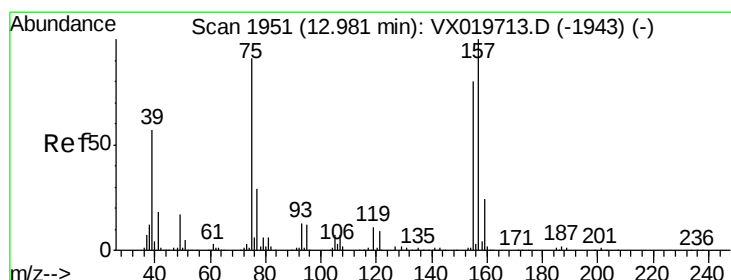
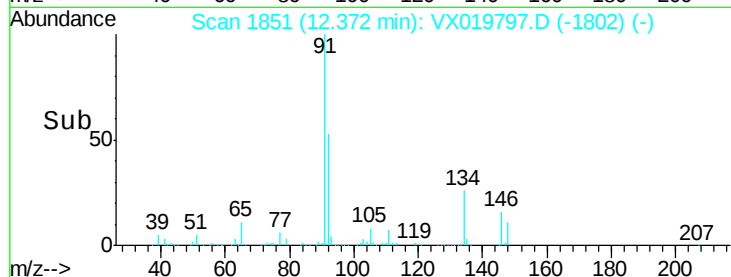
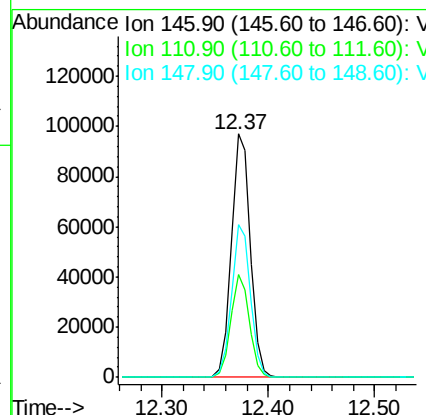
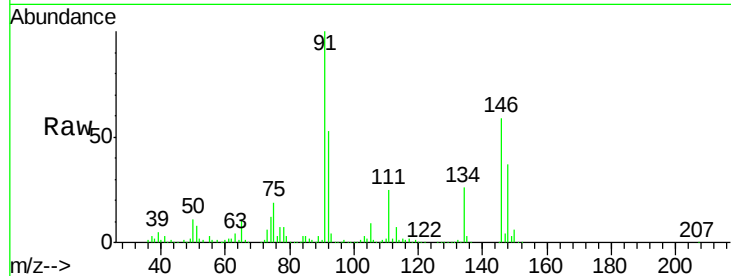
#91
 1,2-Dichlorobenzene
 Concen: 19.651 ug/l
 RT: 12.37 min Scan# 1851
 Delta R.T. -0.00 min
 Lab File: VX019797.D
 Acq: 09 Dec 2020 23:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1209WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.8	62.2
148	62.3	31.9	95.5

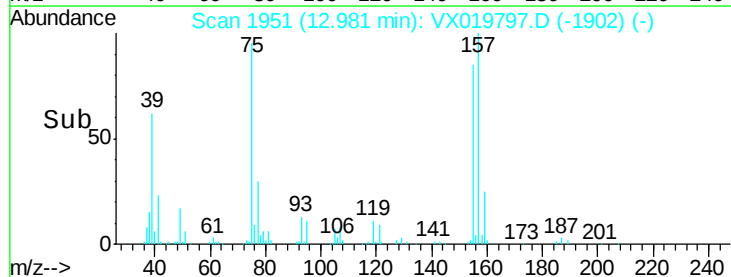
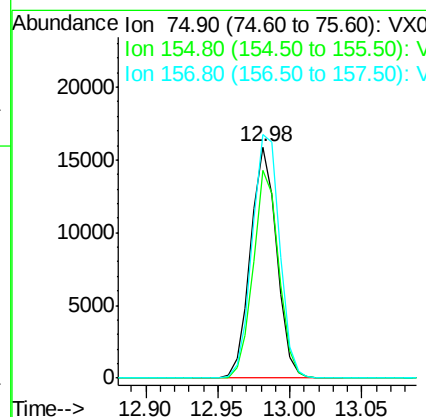
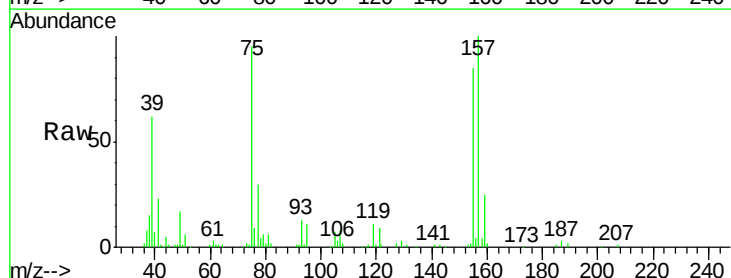
Manual Integrations
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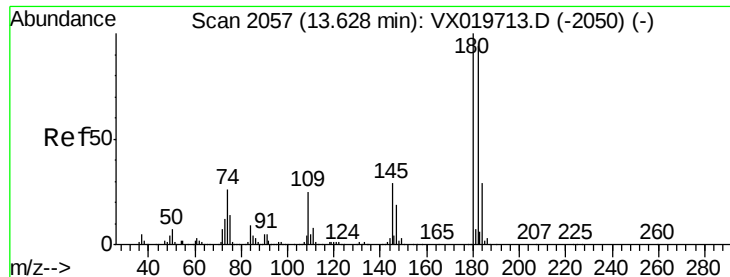
MMDadoda
 12/10/2020 9:31:01 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.489 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VX019797.D
 Acq: 09 Dec 2020 23:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.3	45.3	135.9
157	109.8	57.7	173.1





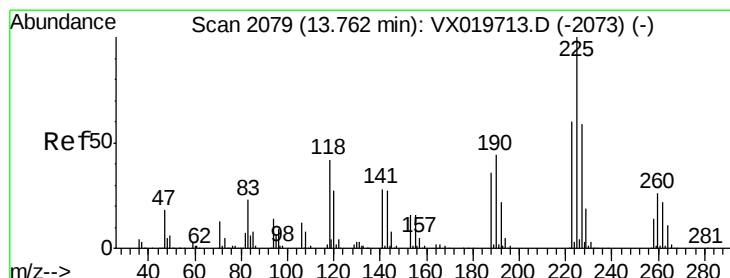
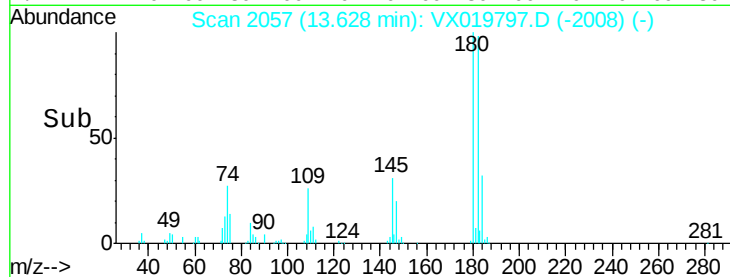
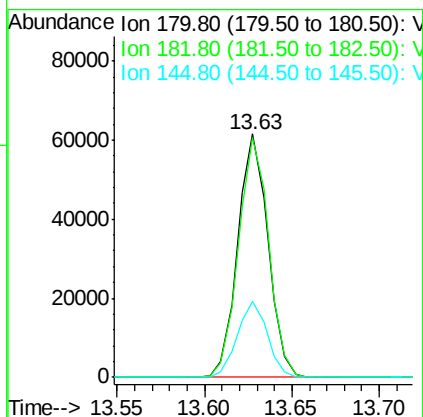
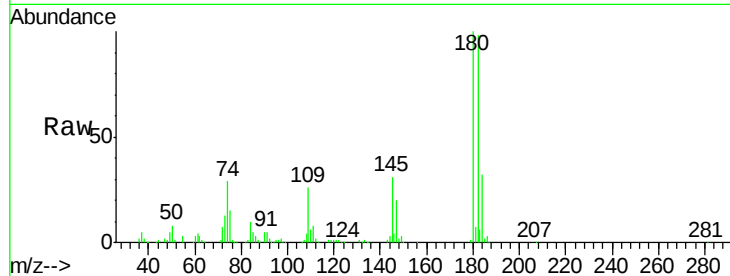
#93
 1,2,4-Trichlorobenzene
 Concen: 18.429 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX019797.D
 Acq: 09 Dec 2020 23:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1209WBS02

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.6	47.7	143.1
145	31.2	15.0	45.0

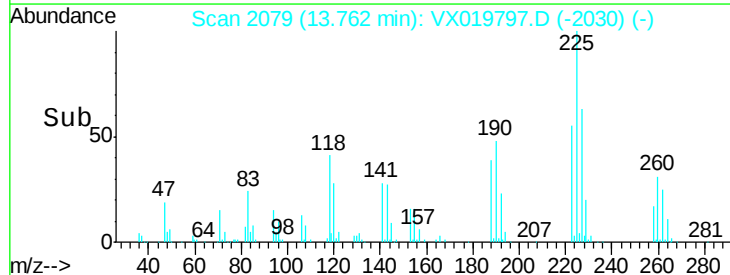
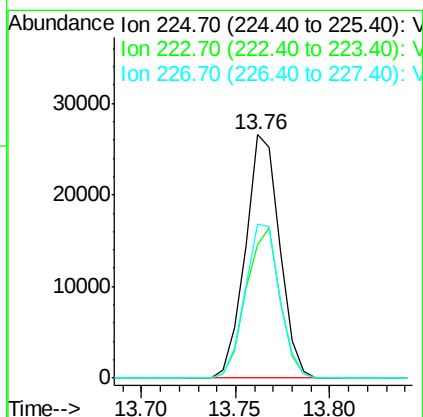
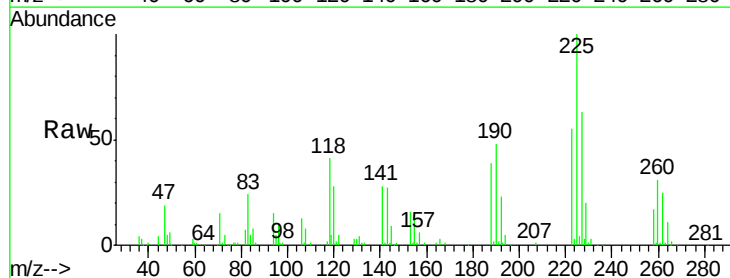
Manual Integrations
 APPROVED

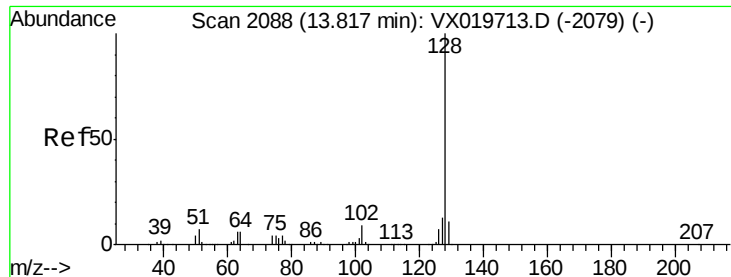
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 12/10/2020 9:31:01 AM



#94
 Hexachlorobutadiene
 Concen: 18.623 ug/l
 RT: 13.76 min Scan# 2079
 Delta R.T. -0.00 min
 Lab File: VX019797.D
 Acq: 09 Dec 2020 23:55

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.8	31.1	93.2
227	64.5	31.6	95.0





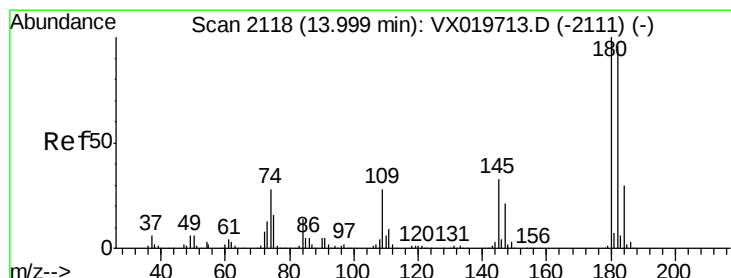
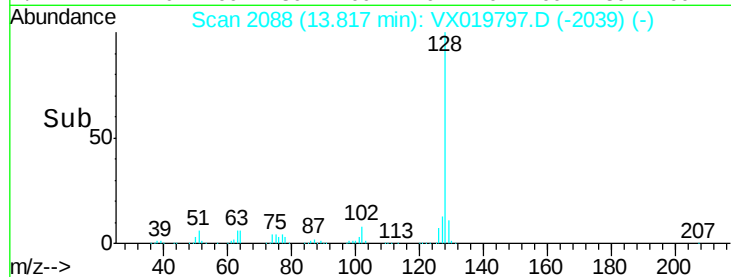
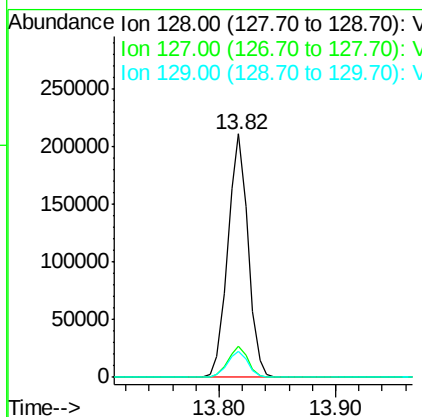
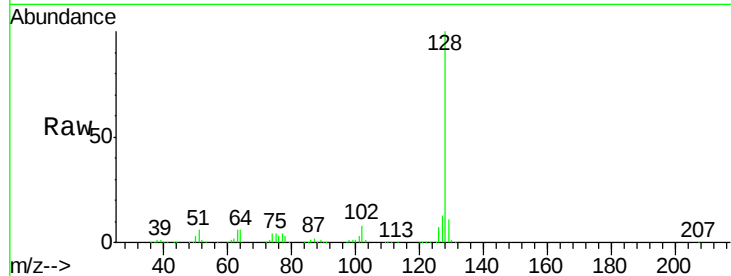
#95
Naphthalene
Concen: 19.482 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. -0.00 min
Lab File: VX019797.D
Acq: 09 Dec 2020 23:55

Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS02

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	11.0	8.8	13.2

Manual Integrations
APPROVED

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12/10/2020 9:31:01 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.249 ug/l
RT: 14.00 min Scan# 2118
Delta R.T. -0.00 min
Lab File: VX019797.D
Acq: 09 Dec 2020 23:55

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.6	142.9
145	33.1	16.1	48.3

