

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110620\
 Data File : VX019326.D
 Acq On : 05 Nov 2020 19:47
 Operator : JC/MD
 Sample : L4616-08MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FA2O-MMW3414MSD

Manual Integrations
 APPROVED

MMDadoda
 11/6/2020 9:23:25 AM

Quant Time: Nov 06 02:54:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 27 13:55:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	248227	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	431564	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	389952	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	195857	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	170440	53.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.48%	
35) Dibromofluoromethane	5.46	113	135225	49.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.76%	
50) Toluene-d8	8.70	98	503228	49.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.50%	
62) 4-Bromofluorobenzene	11.12	95	194735	50.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	104985	50.733	ug/l	98
3) Chloromethane	1.31	50	125724	54.381	ug/l	99
4) Vinyl Chloride	1.39	62	149267	55.673	ug/l	99
5) Bromomethane	1.63	94	87401	47.733	ug/l	98
6) Chloroethane	1.71	64	98394	57.478	ug/l	97
7) Trichlorofluoromethane	1.92	101	223440	53.046	ug/l	96
8) Diethyl Ether	2.17	74	93096	57.588	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.37	101	118979	50.961	ug/l	99
10) Methyl Iodide	2.49	142	131511	48.012	ug/l	99
11) Tert butyl alcohol	3.02	59	190874	301.882	ug/l	99
12) 1,1-Dichloroethene	2.36	96	129203	53.703	ug/l	99
13) Acrolein	2.28	56	94102	331.003	ug/l	98
14) Allyl chloride	2.71	41	206513	56.671	ug/l	98
15) Acrylonitrile	3.12	53	400259	301.252	ug/l	99
16) Acetone	2.42	43	330436	299.211	ug/l	99
17) Carbon Disulfide	2.55	76	340165	49.608	ug/l	100
18) Methyl Acetate	2.75	43	158797	59.132	ug/l	98
19) Methyl tert-butyl Ether	3.17	73	487942	58.534	ug/l	98
20) Methylene Chloride	2.84	84	152609	55.043	ug/l	96
21) trans-1,2-Dichloroethene	3.14	96	146615	52.951	ug/l	95
22) Diisopropyl ether	3.82	45	441589	60.785	ug/l	98
23) Vinyl Acetate	3.79	43	1860091	287.120	ug/l	98
24) 1,1-Dichloroethane	3.67	63	261166	57.578	ug/l	100
25) 2-Butanone	4.64	43	531873	305.591	ug/l	98
26) 2,2-Dichloropropane	4.55	77	197655	46.353	ug/l	99
27) cis-1,2-Dichloroethene	4.57	96	170848	55.217	ug/l	99
28) Bromochloromethane	4.98	49	116769	56.627	ug/l	94
29) Tetrahydrofuran	5.09	42	344538	314.120	ug/l	98
30) Chloroform	5.18	83	275319	57.025	ug/l	99
31) Cyclohexane	5.55	56	209911	51.874	ug/l	98
32) 1,1,1-Trichloroethane	5.46	97	243213	55.563	ug/l	100
36) 1,1-Dichloropropene	5.77	75	202013	50.691	ug/l	99
37) Ethyl Acetate	4.79	43	203596	55.024	ug/l	99
38) Carbon Tetrachloride	5.76	117	204005	50.222	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	219463	46.056	ug/l	98
40) Benzene	6.11	78	605264	53.567	ug/l	99
41) Methacrylonitrile	5.00	41	112103	56.259	ug/l	100
42) 1,2-Dichloroethane	6.16	62	223751	53.731	ug/l	100
43) Isopropyl Acetate	6.41	43	340390	54.941	ug/l	99
44) Trichloroethene	7.19	130	158810	49.076	ug/l	93
45) 1,2-Dichloropropane	7.49	63	153009	55.286	ug/l	98
46) Dibromomethane	7.63	93	108340	52.939	ug/l	96
47) Bromodichloromethane	7.87	83	216831	53.753	ug/l	99
48) Methyl methacrylate	7.74	41	171224	57.419	ug/l	98
49) 1,4-Dioxane	7.73	88	75669	1141.032	ug/l	99
51) 4-Methyl-2-Pentanone	8.62	43	1051193	295.203	ug/l	99
52) Toluene	8.77	92	385803	53.014	ug/l	99
53) t-1,3-Dichloropropene	9.02	75	238059	51.669	ug/l	99
54) cis-1,3-Dichloropropene	8.42	75	254974	52.627	ug/l	99
55) 1,1,2-Trichloroethane	9.20	97	155567	54.103	ug/l	99
56) Ethyl methacrylate	9.16	69	248346	57.181	ug/l	98
57) 1,3-Dichloropropane	9.35	76	262686	54.186	ug/l	99
59) 2-Hexanone	9.48	43	805298	297.092	ug/l	99
60) Dibromochloromethane	9.57	129	165356	52.989	ug/l	100
61) 1,2-Dibromoethane	9.65	107	165386	53.787	ug/l	99
64) Tetrachloroethene	9.32	164	131851	44.379	ug/l	97
65) Chlorobenzene	10.12	112	396917	49.800	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	150262	52.369	ug/l	100
67) Ethyl Benzene	10.24	91	722936	50.903	ug/l	98
68) m/p-Xylenes	10.34	106	544984	102.241	ug/l	97
69) o-Xylene	10.68	106	260847	51.593	ug/l	99
70) Stvrene	10.70	104	455397	52.791	ug/l	100
71) Bromoform	10.84	173	116444	51.185	ug/l	99
73) Isopropylbenzene	11.00	105	689840	49.758	ug/l	100
74) N-amyl acetate	10.88	43	287336	56.685	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.25	83	242786	56.035	ug/l	100
76) 1,2,3-Trichloropropane	11.28	75	219907m	54.378	ug/l	
77) Bromobenzene	11.24	156	171375	49.807	ug/l	92
78) n-propylbenzene	11.34	91	793930	50.166	ug/l	99
79) 2-Chlorotoluene	11.40	91	482141	51.747	ug/l	97
80) 1,3,5-Trimethylbenzene	11.49	105	591960	50.543	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.05	75	76802	50.004	ug/l	97
82) 4-Chlorotoluene	11.49	91	572353	50.304	ug/l	98
83) tert-Butylbenzene	11.76	119	559579	49.899	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	631664	53.422	ug/l	100
85) sec-Butylbenzene	11.93	105	659984	49.069	ug/l	99
86) p-Isopropyltoluene	12.05	119	610061	49.142	ug/l	99
87) 1,3-Dichlorobenzene	12.01	146	315152	49.183	ug/l	100
88) 1,4-Dichlorobenzene	12.08	146	315827	47.350	ug/l	98
89) n-Butylbenzene	12.37	91	566171	48.519	ug/l	99
90) Hexachloroethane	12.58	117	104814	49.672	ug/l	94
91) 1,2-Dichlorobenzene	12.38	146	303015	49.248	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.98	75	57917	54.604	ug/l	96
93) 1,2,4-Trichlorobenzene	13.63	180	201522	43.604	ug/l	96

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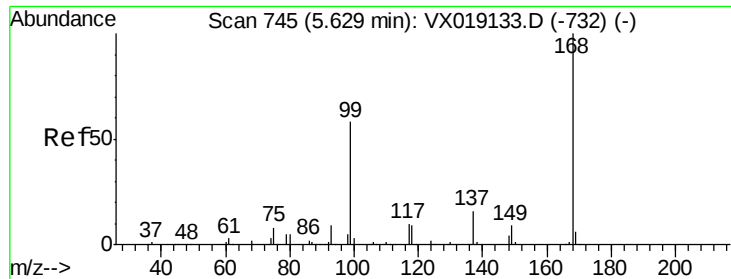
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.77	225	76758	37.729	ug/l	97
95) Naphthalene	13.82	128	747615	51.362	ug/l	100
96) 1,2,3-Trichlorobenzene	14.00	180	206986	46.166	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX019326.D

Acq: 05 Nov 2020 19:47

Instrument :

MSVOA_X

ClientSampleId :

FA2O-MMW3414MSD

Tot Ion:168 Resp: 248227

Ion Ratio Lower Upper

168 100

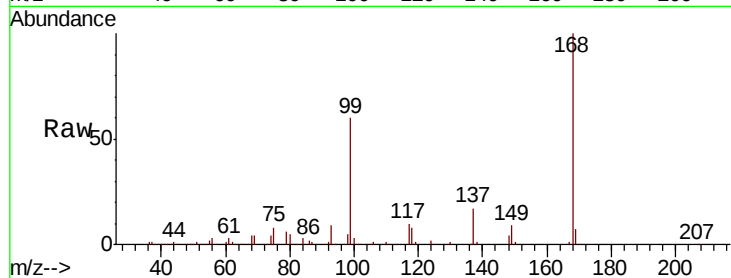
99 59.7 46.6 69.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

100000

80000

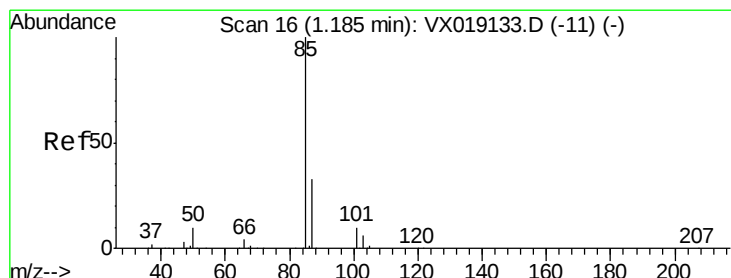
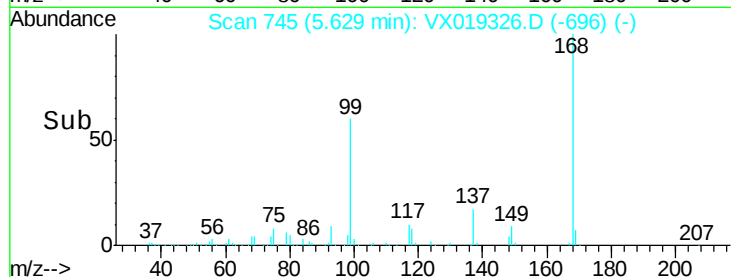
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 50.733 ug/l

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX019326.D

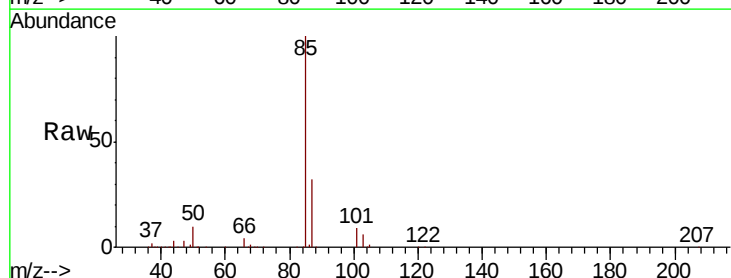
Acq: 05 Nov 2020 19:47

Tgt Ion: 85 Resp: 104985

Ion Ratio Lower Upper

85 100

87 31.9 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

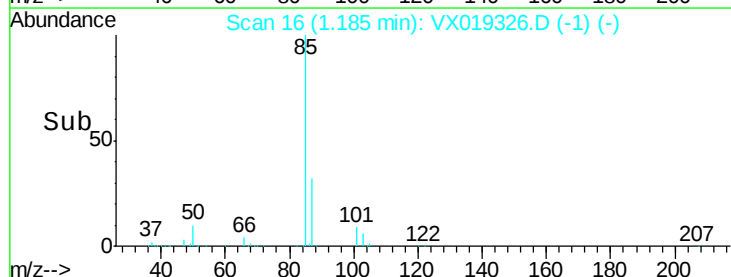
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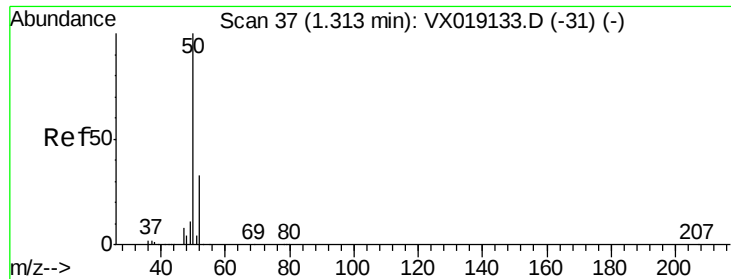
100000

50000

0

Time-->





#3

Chloromethane

Concen: 54.381 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX019326.D

Acq: 05 Nov 2020 19:47

Instrument :

MSVOA_X

ClientSampleId :

FA2O-MMW3414MSD

Tot Ion: 50 Resp: 125724

Ion Ratio Lower Upper

50 100

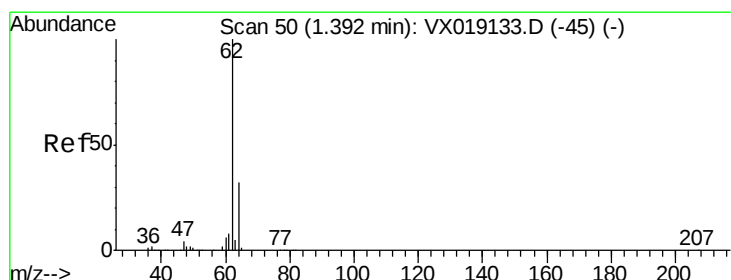
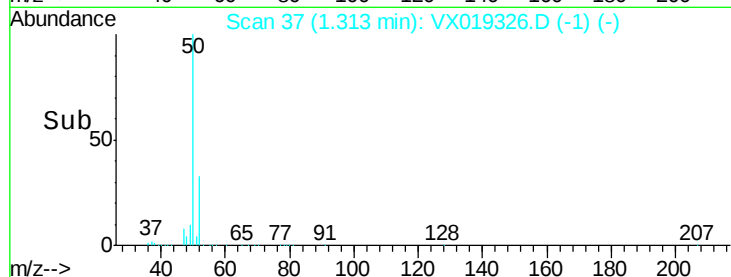
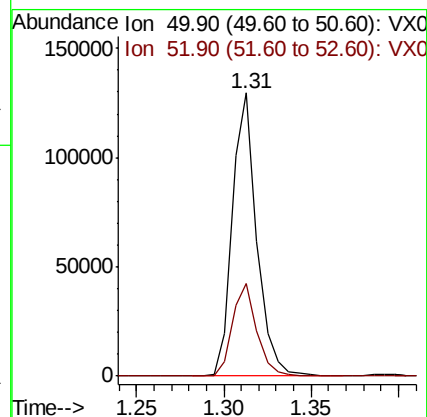
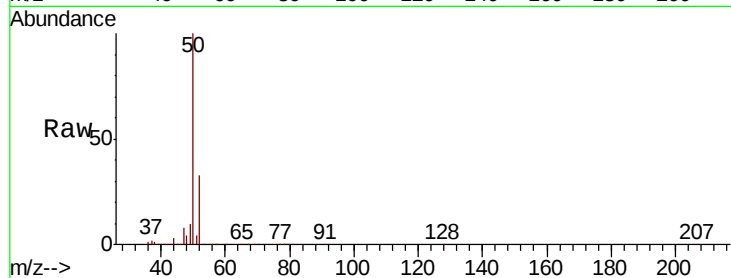
52 32.8 26.8 40.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 55.673 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX019326.D

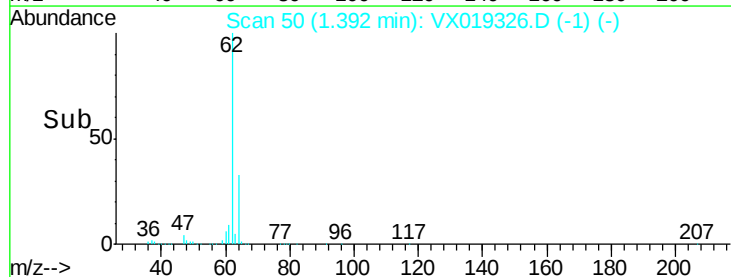
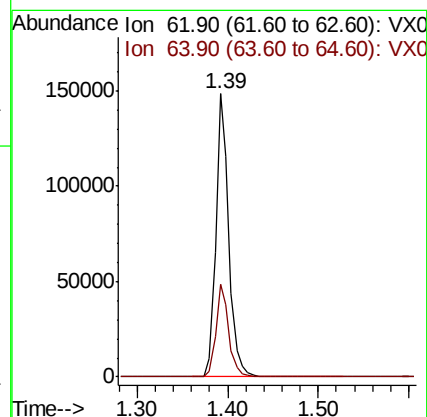
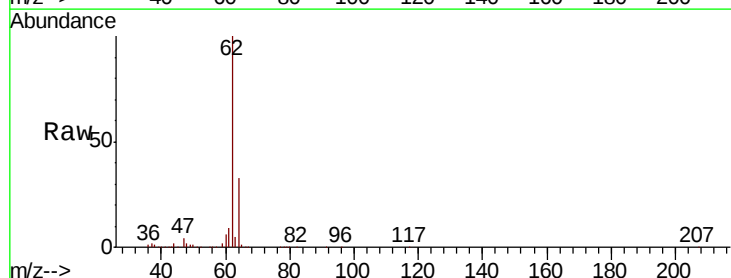
Acq: 05 Nov 2020 19:47

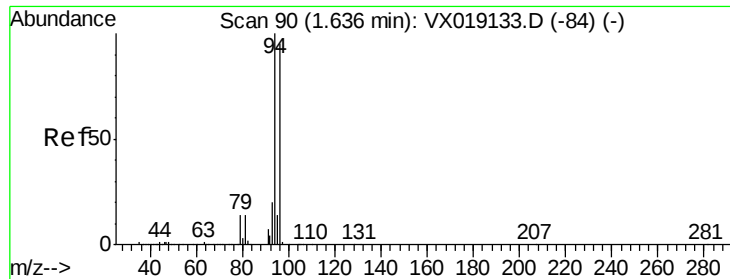
Tgt Ion: 62 Resp: 149267

Ion Ratio Lower Upper

62 100

64 32.5 25.4 38.0





#5

Bromomethane

Concen: 47.733 ug/l

RT: 1.63 min Scan# 89

Delta R.T. -0.01 min

Lab File: VX019326.D

Acq: 05 Nov 2020 19:47

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 87401

Ion Ratio Lower Upper

94 100

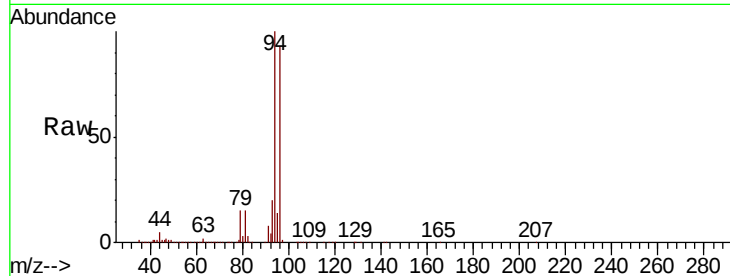
96 93.2 76.0 114.0

Manual Integrations

APPROVED

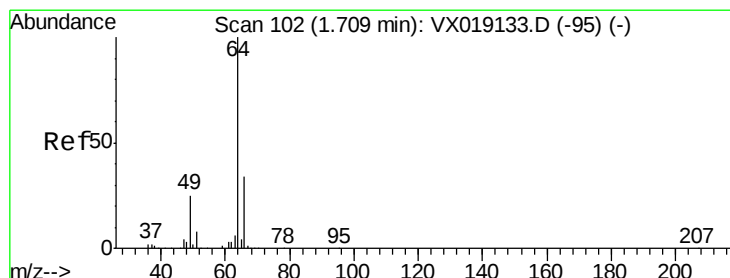
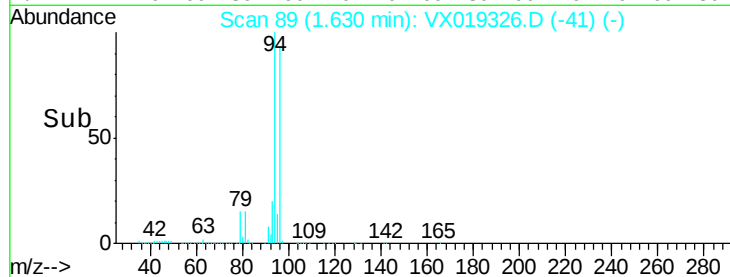
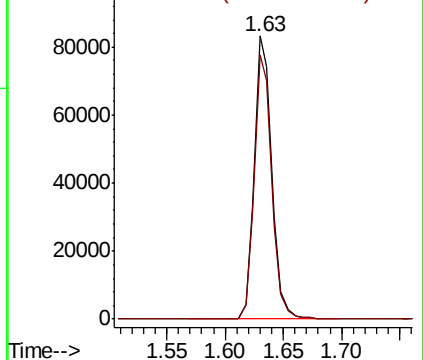
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 57.478 ug/l

RT: 1.71 min Scan# 102

Delta R.T. -0.00 min

Lab File: VX019326.D

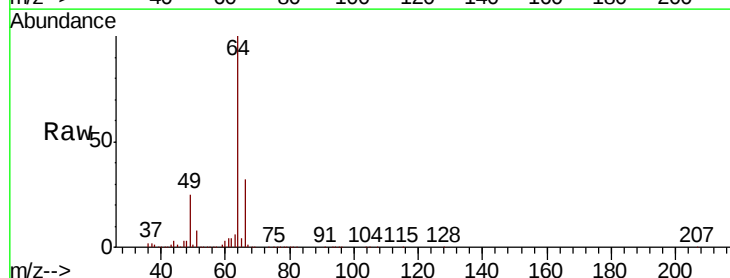
Acq: 05 Nov 2020 19:47

Tgt Ion: 64 Resp: 98394

Ion Ratio Lower Upper

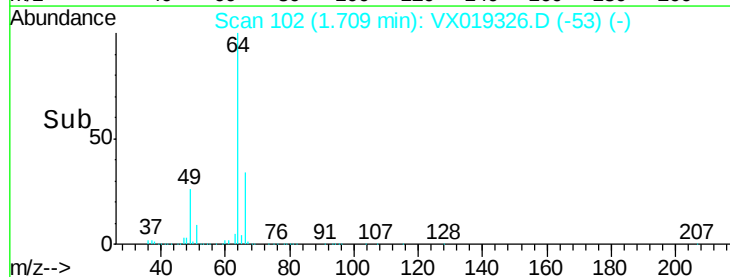
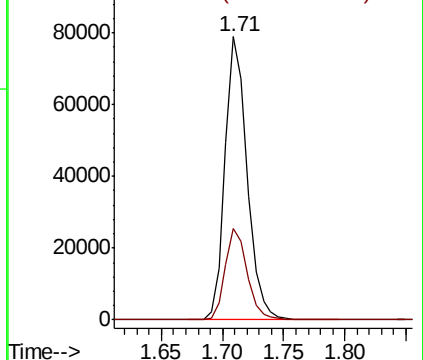
64 100

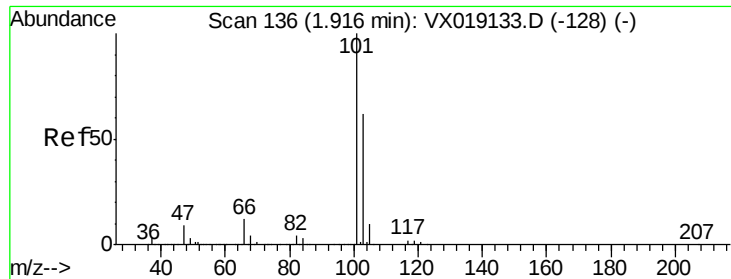
66 32.2 27.1 40.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

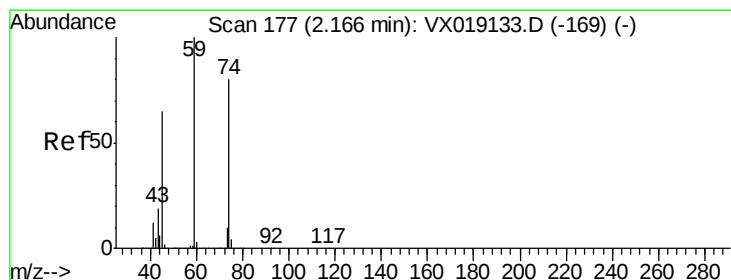
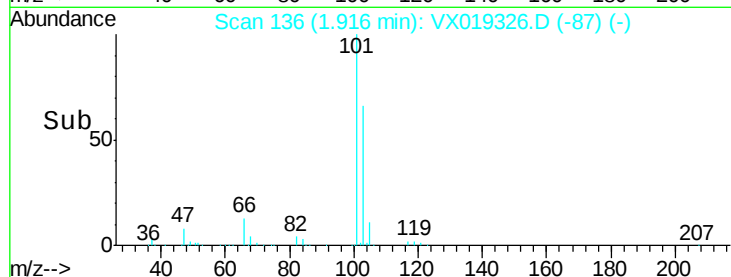
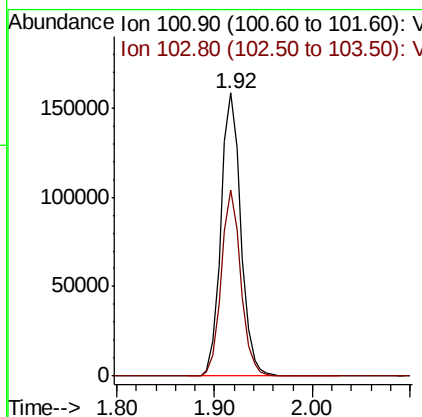
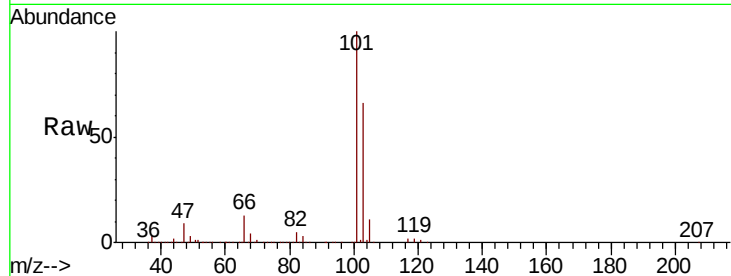
Trichlorofluoromethane
Concen: 53.046 ug/l
RT: 1.92 min Scan# 136
Delta R.T. -0.00 min
Lab File: VX019326.D
Acq: 05 Nov 2020 19:47

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FA2O-MMW3414MSD

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.8	50.0	75.0

Manual Integrations
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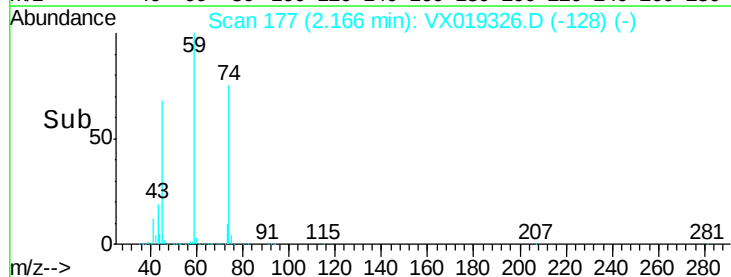
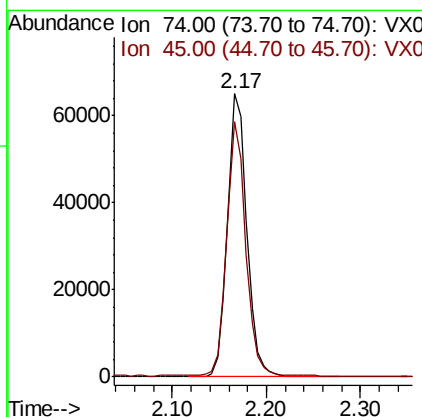
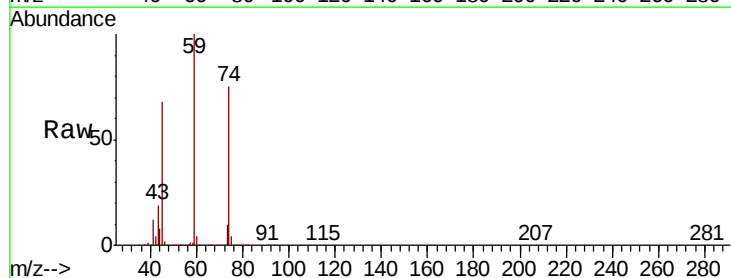
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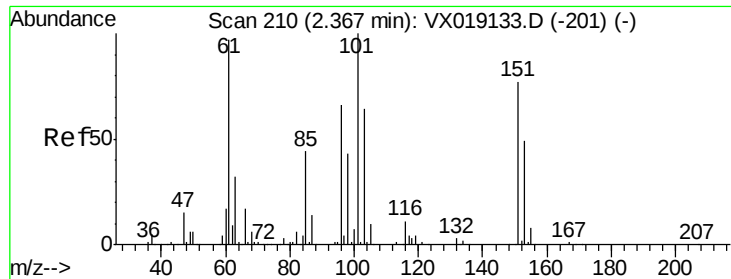


#8

Diethyl Ether
Concen: 57.588 ug/l
RT: 2.17 min Scan# 177
Delta R.T. -0.00 min
Lab File: VX019326.D
Acq: 05 Nov 2020 19:47

Tgt Ion	Ratio	Lower	Upper
74	100		
45	90.0	41.0	123.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.961 ug/l

RT: 2.37 min Scan# 210

Delta R.T. -0.00 min

Lab File: VX019326.D

Acq: 05 Nov 2020 19:47

Instrument :

MSVOA_X

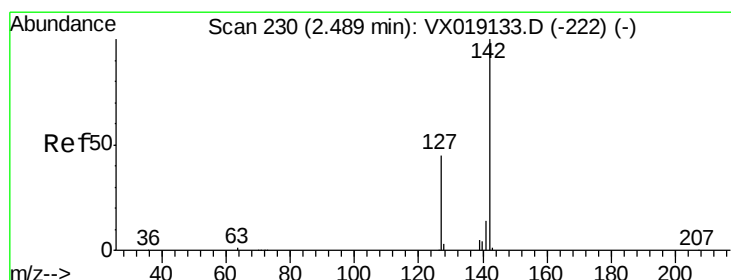
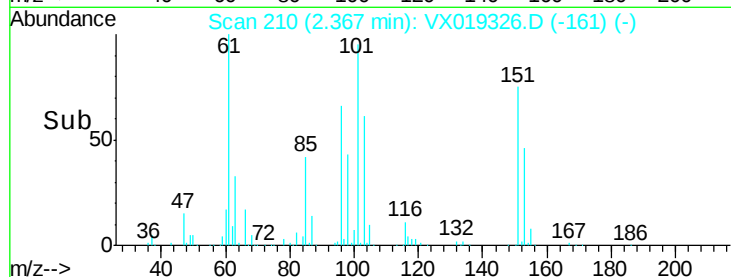
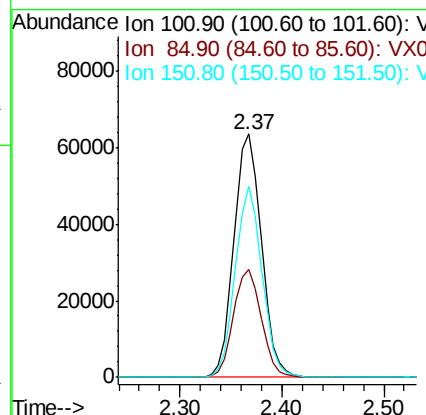
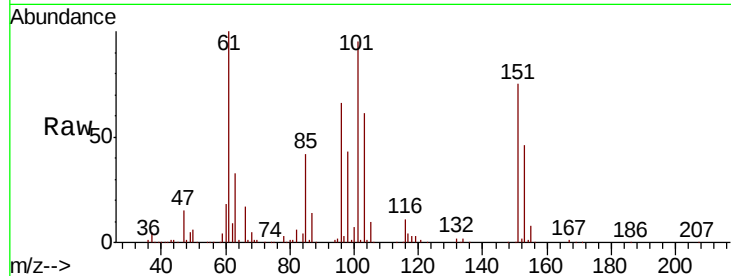
ClientSampleId :

FA2O-MMW3414MSD

Tot Ion:	101	Resp:	118979
Ion Ratio	Lower	Upper	
101	100		
85	44.6	35.0	52.4
151	76.1	61.4	92.2

Manual Integrations
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#10

Methyl Iodide

Concen: 48.012 ug/l

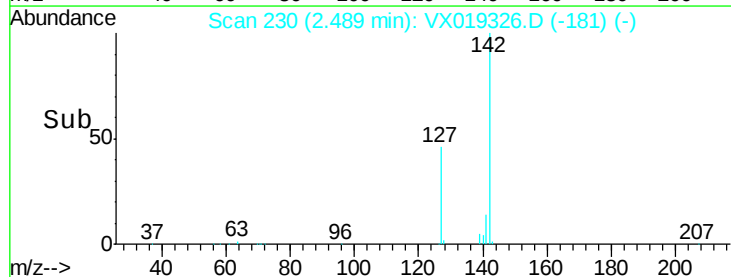
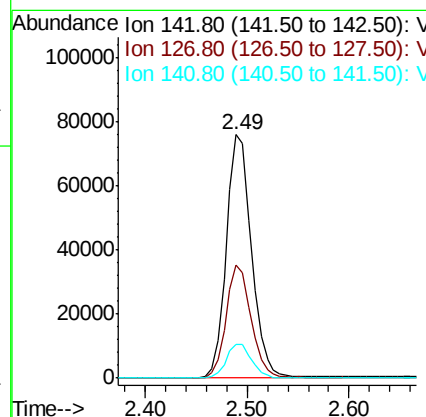
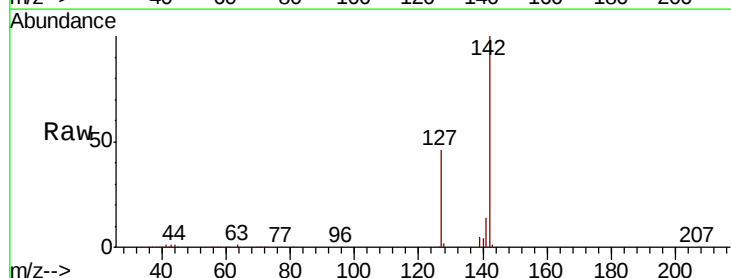
RT: 2.49 min Scan# 230

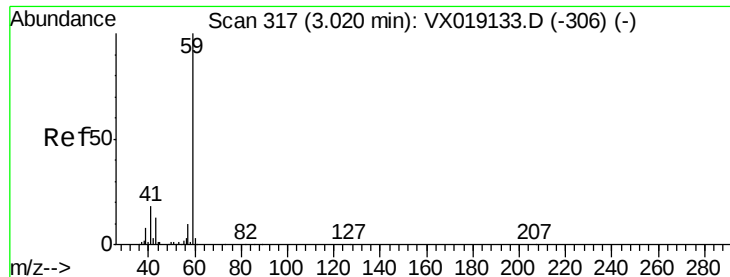
Delta R.T. 0.00 min

Lab File: VX019326.D

Acq: 05 Nov 2020 19:47

Tgt Ion:	142	Resp:	131511
Ion Ratio	Lower	Upper	
142	100		
127	45.9	36.1	54.1
141	14.1	11.3	16.9





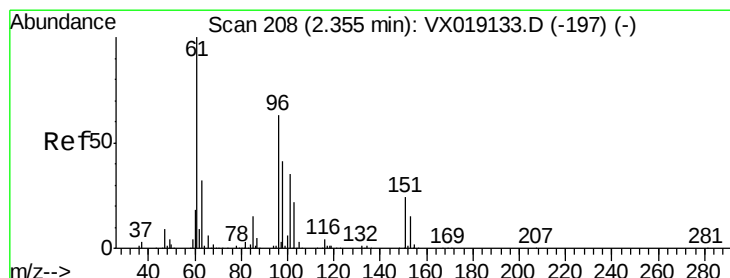
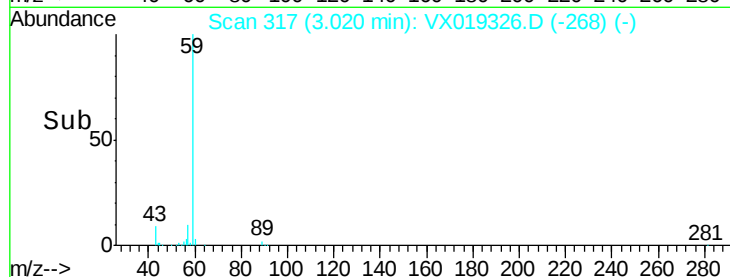
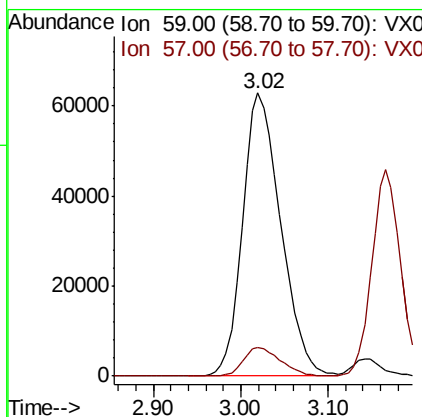
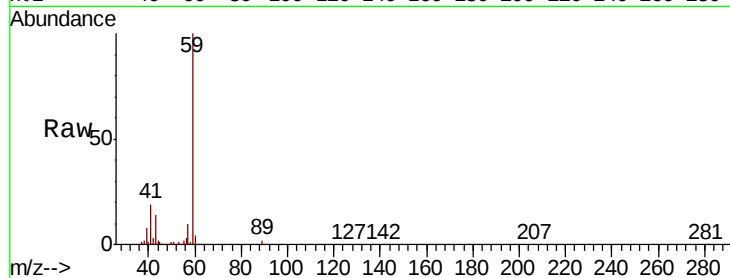
#11
Tert butyl alcohol
Concen: 301.882 ug/l
RT: 3.02 min Scan# 317
Delta R.T. 0.00 min
Lab File: VX019326.D
Acq: 05 Nov 2020 19:47

Instrument :
MSVOA_X
ClientSampleId :
FA2O-MMW3414MSD

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.4	12.6

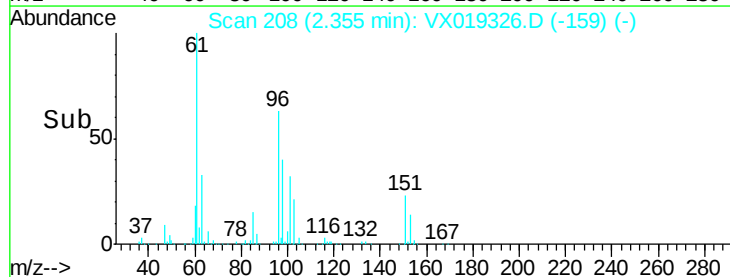
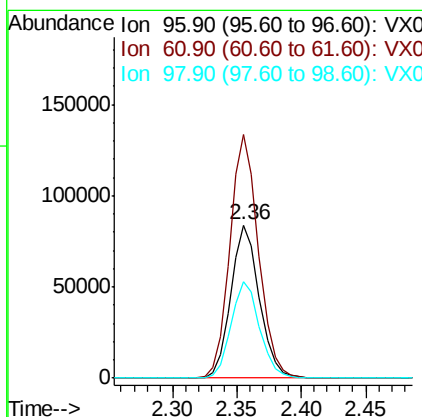
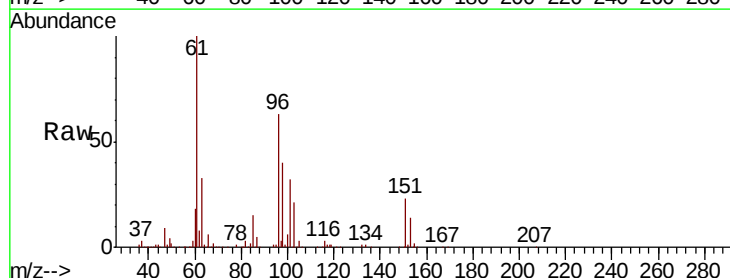
Manual Integrations
APPROVED

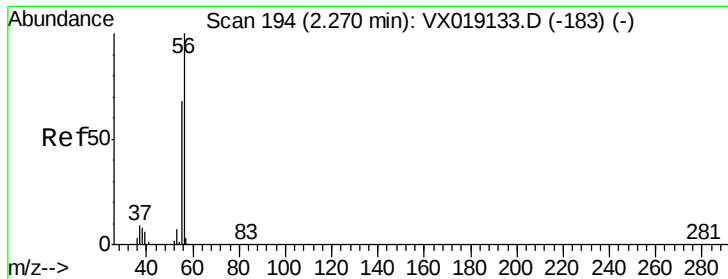
MMDadoda
11/6/2020 9:23:25 AM



#12
1,1-Dichloroethene
Concen: 53.703 ug/l
RT: 2.36 min Scan# 208
Delta R.T. -0.00 min
Lab File: VX019326.D
Acq: 05 Nov 2020 19:47

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.1	127.7	191.5
98	63.1	52.1	78.1





#13

Acrolein

Concen: 331.003 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.01 min

Lab File: VX019326.D

Acq: 05 Nov 2020 19:47

Instrument :

MSVOA_X

ClientSampleId :

FA2O-MMW3414MSD

Tot Ion: 56 Resp: 94102

Ion Ratio Lower Upper

56 100

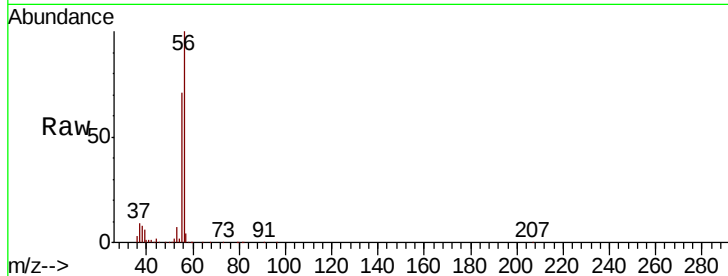
55 70.2 54.7 82.1

Manual Integrations

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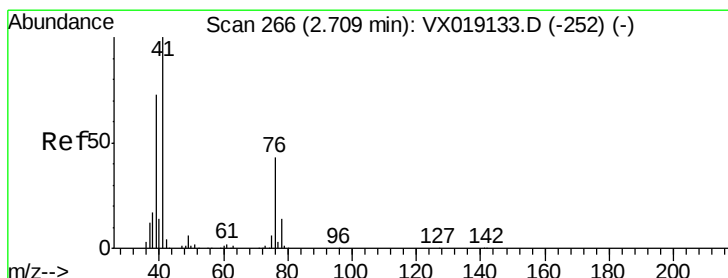
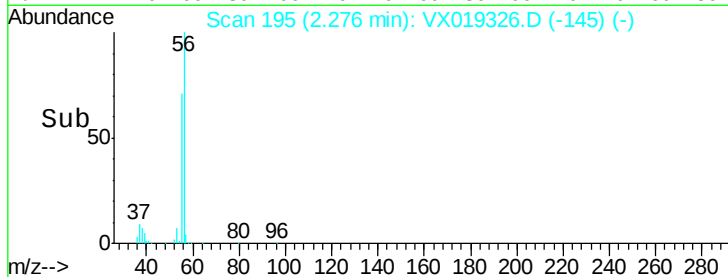
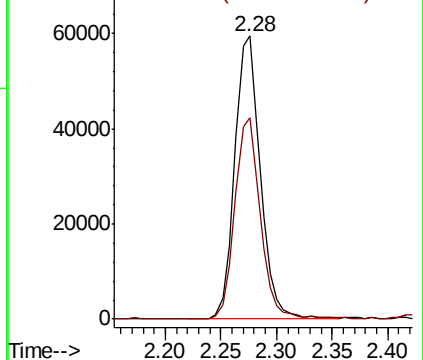
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 56.671 ug/l

RT: 2.71 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX019326.D

Acq: 05 Nov 2020 19:47

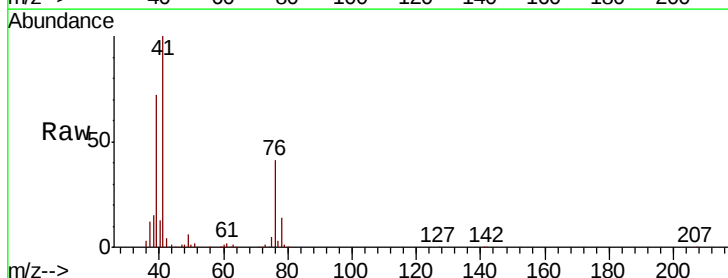
Tgt Ion: 41 Resp: 206513

Ion Ratio Lower Upper

41 100

39 67.6 55.2 82.8

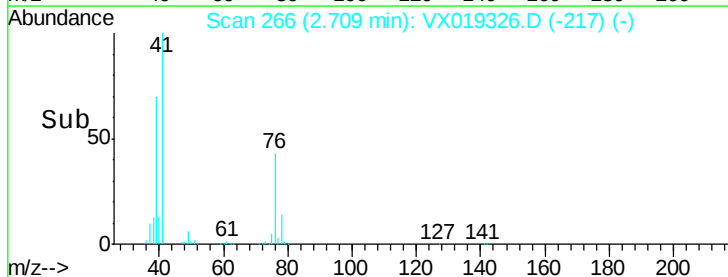
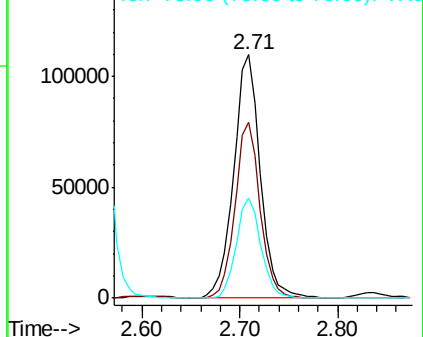
76 37.9 31.5 47.3

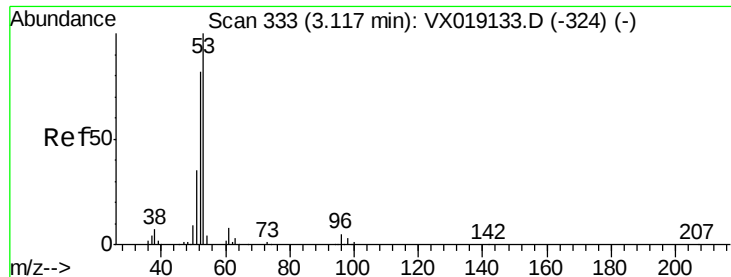


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 301.252 ug/l

RT: 3.12 min Scan# 333

Delta R.T. -0.00 min

Lab File: VX019326.D

Acq: 05 Nov 2020 19:47

Instrument :

MSVOA_X

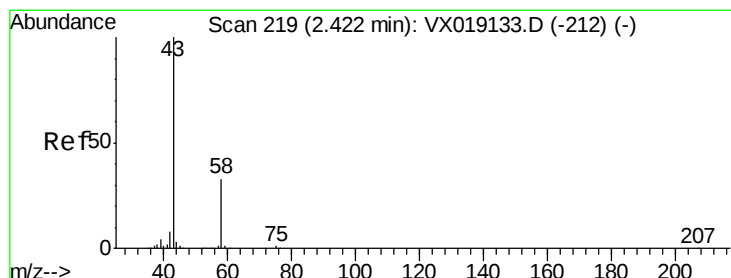
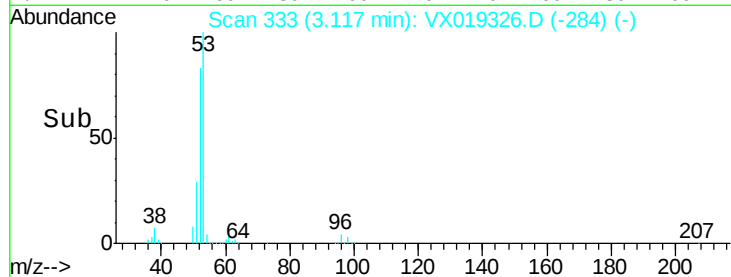
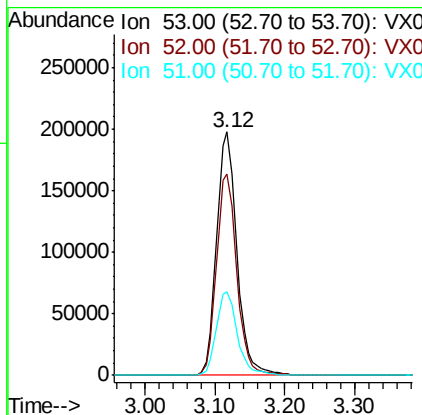
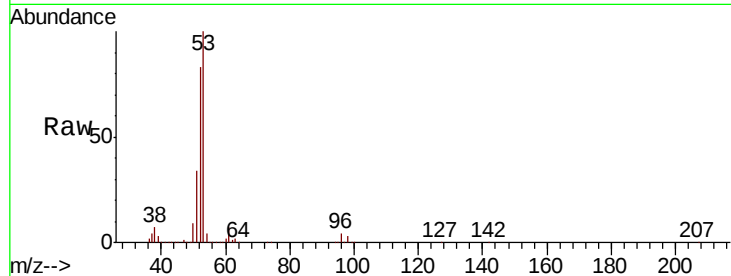
ClientSampleId :

FA2O-MMW3414MSD

Tot Ion:	53	Resp:	400259
Ion	Ratio	Lower	Upper
53	100		
52	82.9	65.7	98.5
51	35.5	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 299.211 ug/l

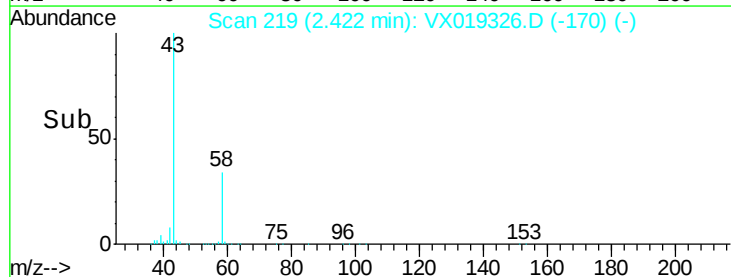
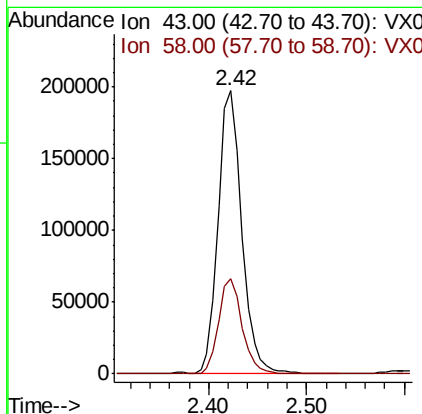
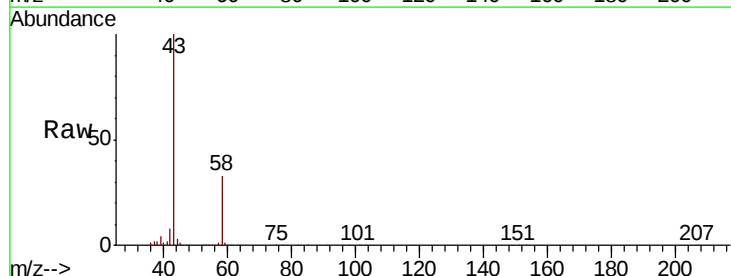
RT: 2.42 min Scan# 219

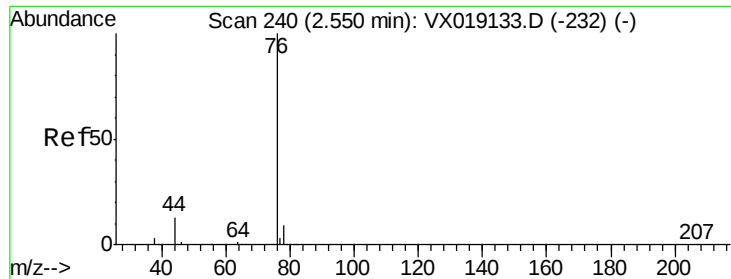
Delta R.T. -0.00 min

Lab File: VX019326.D

Acq: 05 Nov 2020 19:47

Tgt Ion:	43	Resp:	330436
Ion	Ratio	Lower	Upper
43	100		
58	33.5	26.3	39.5





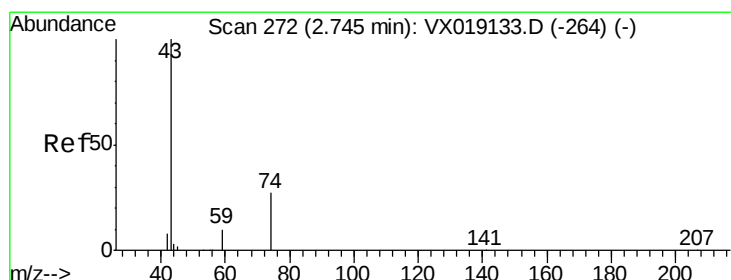
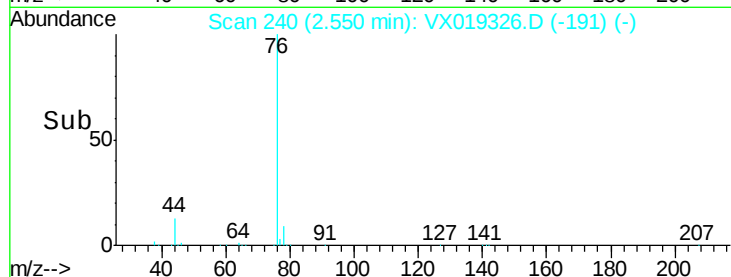
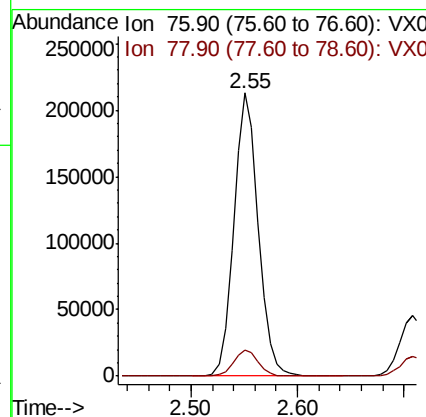
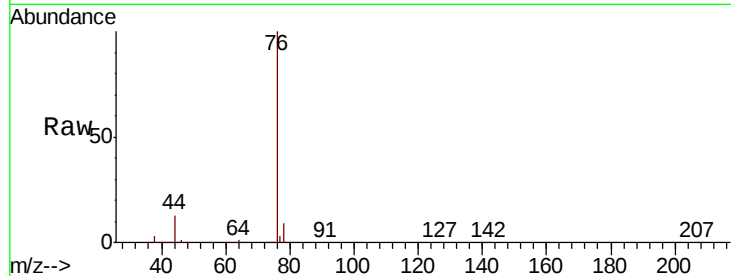
#17
Carbon Disulfide
Concen: 49.608 ug/l
RT: 2.55 min Scan# 240
Delta R.T. 0.00 min
Lab File: VX019326.D
Acq: 05 Nov 2020 19:47

Instrument :
MSVOA_X
ClientSampleId :
FA2O-MMW3414MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9

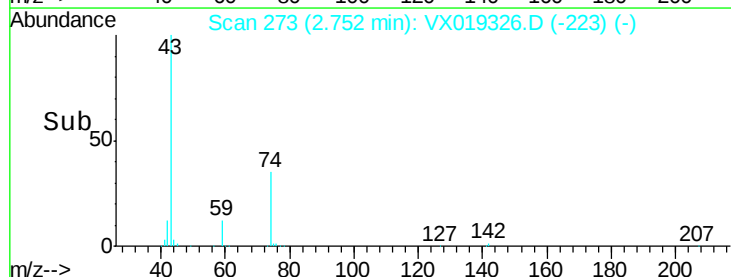
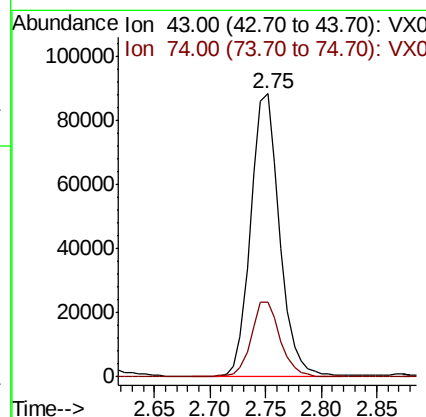
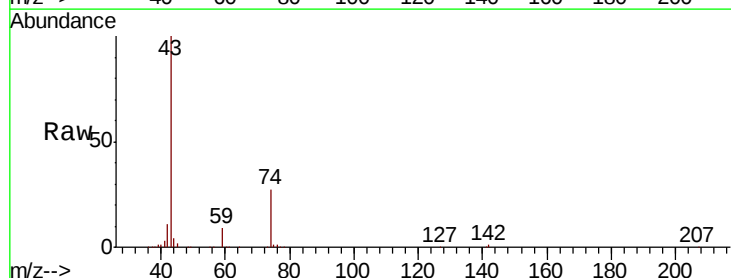
Manual Integrations
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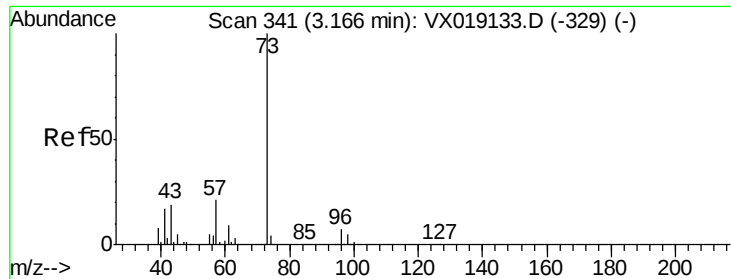
MMDadoda
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#18
Methyl Acetate
Concen: 59.132 ug/l
RT: 2.75 min Scan# 273
Delta R.T. 0.01 min
Lab File: VX019326.D
Acq: 05 Nov 2020 19:47

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.2	22.6	33.8





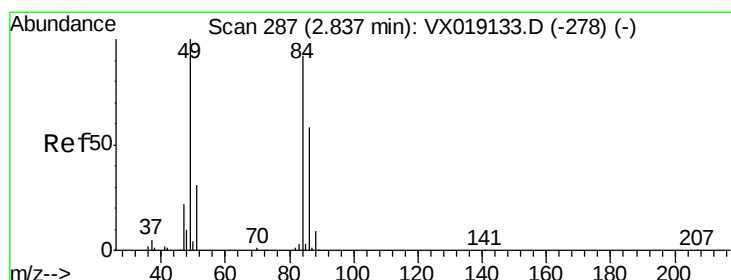
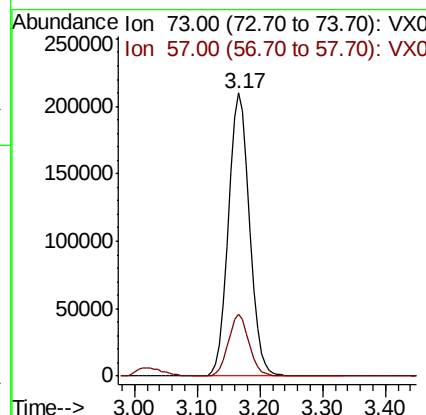
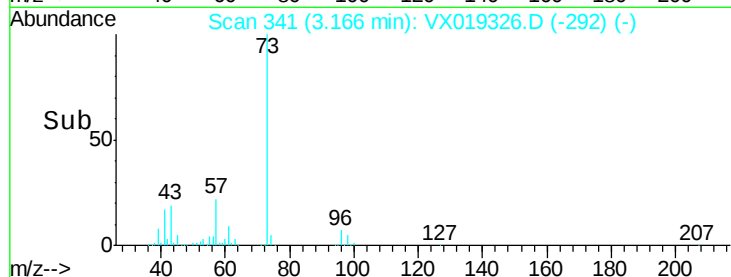
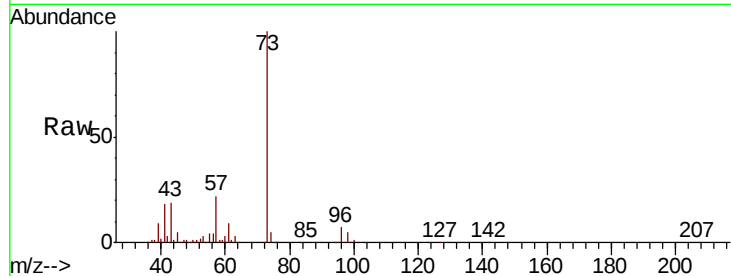
#19
Methyl tert-butyl Ether
Concen: 58.534 ug/l
RT: 3.17 min Scan# 341
Delta R.T. -0.00 min
Lab File: VX019326.D
Acq: 05 Nov 2020 19:47

Instrument :
MSVOA_X
ClientSampleId :
FA2O-MMW3414MSD

Tot Ion: 73 Resp: 487942
Ion Ratio Lower Upper
73 100
57 21.8 16.6 25.0

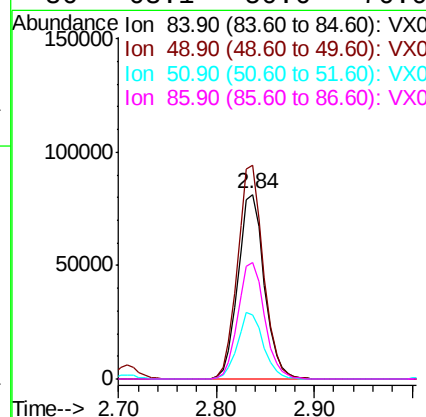
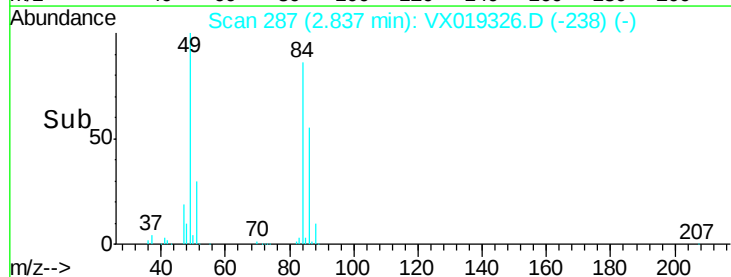
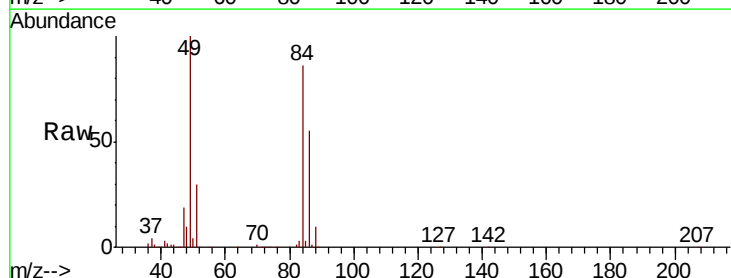
Manual Integrations
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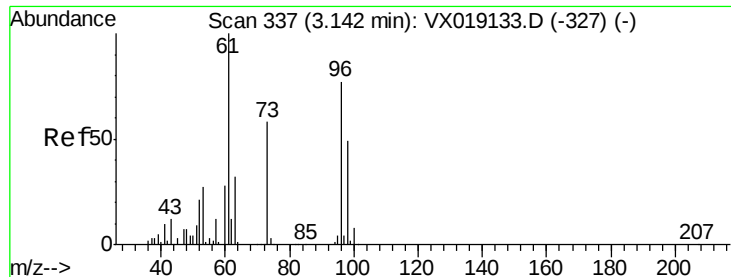
MMDadoda
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#20
Methylene Chloride
Concen: 55.043 ug/l
RT: 2.84 min Scan# 287
Delta R.T. -0.00 min
Lab File: VX019326.D
Acq: 05 Nov 2020 19:47

Tgt Ion: 84 Resp: 152609
Ion Ratio Lower Upper
84 100
49 115.6 86.8 130.2
51 34.9 27.3 40.9
86 63.1 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 52.951 ug/l

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX019326.D

Acq: 05 Nov 2020 19:47

Instrument :

MSVOA_X

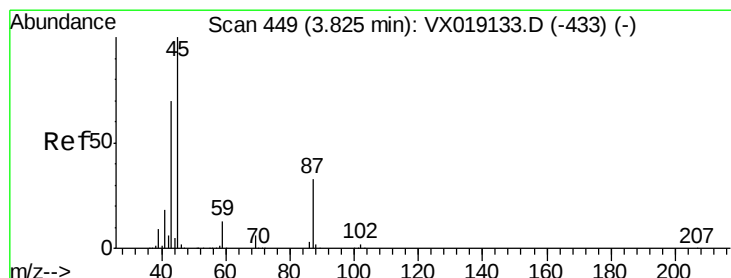
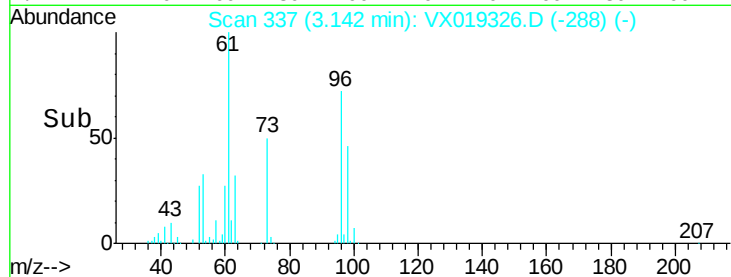
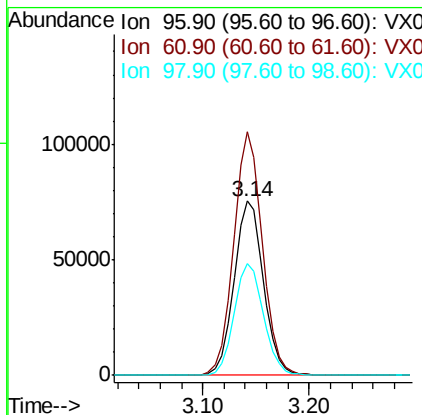
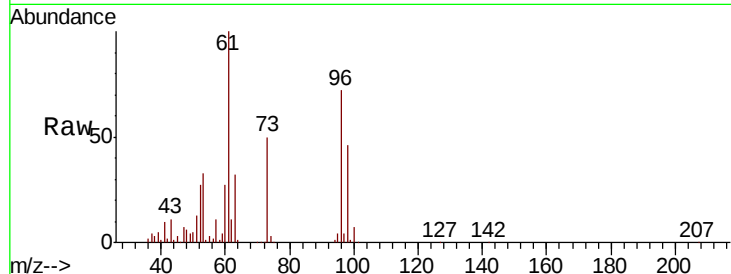
ClientSampleId :

FA2O-MMW3414MSD

Tot Ion:	96	Resp:	146615
Ion	Ratio	Lower	Upper
96	100		
61	139.8	104.2	156.4
98	64.2	51.3	76.9

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#22

Diisopropyl ether

Concen: 60.785 ug/l

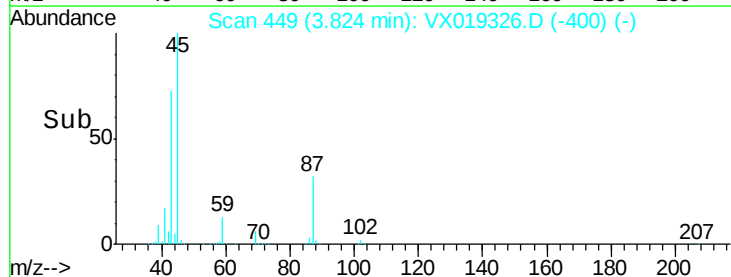
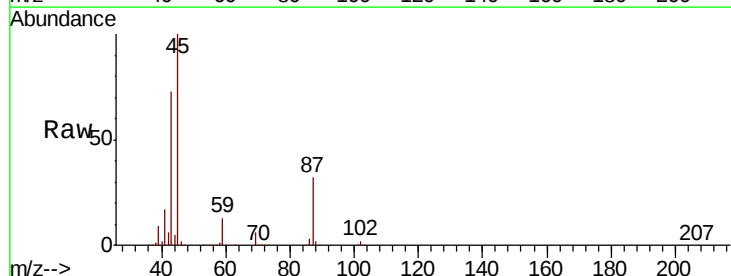
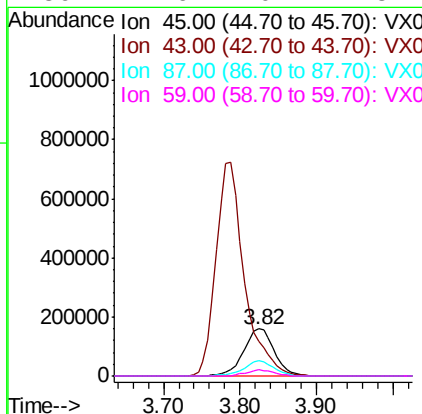
RT: 3.82 min Scan# 449

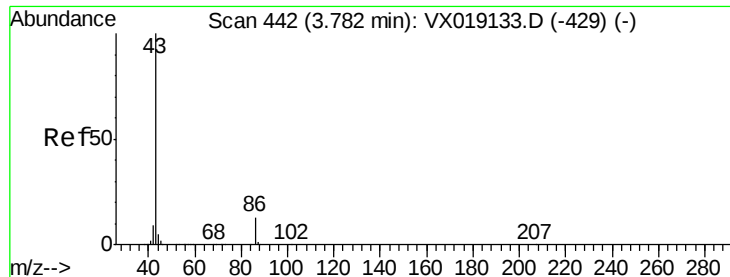
Delta R.T. -0.00 min

Lab File: VX019326.D

Acq: 05 Nov 2020 19:47

Tgt Ion:	45	Resp:	441589
Ion	Ratio	Lower	Upper
45	100		
43	72.4	56.2	84.4
87	32.0	26.2	39.2
59	12.6	10.1	15.1





#23

Vinyl Acetate

Concen: 287.120 ug/l

RT: 3.79 min Scan# 443

Delta R.T. 0.01 min

Lab File: VX019326.D

Acq: 05 Nov 2020 19:47

Instrument :

MSVOA_X

ClientSampleId :

FA2O-MMW3414MSD

Tot Ion: 43 Resp: 1860091

Ion Ratio Lower Upper

43 100

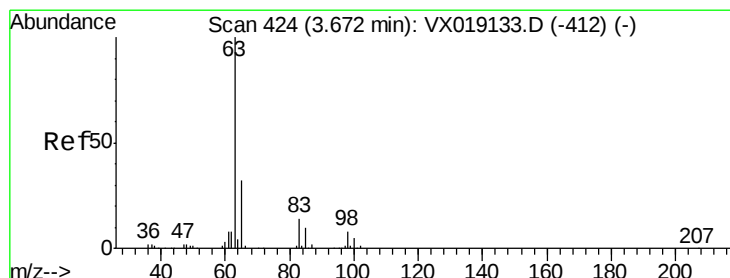
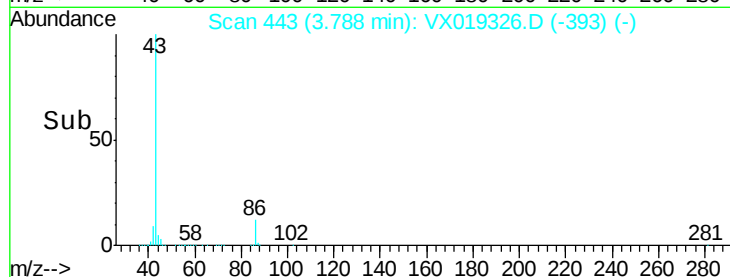
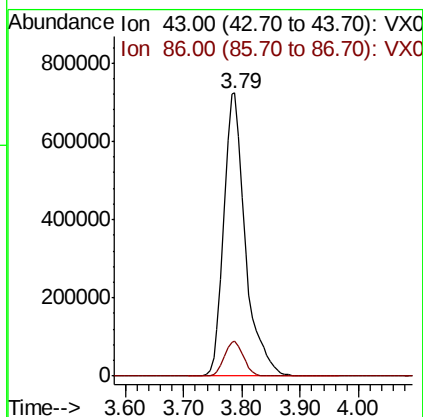
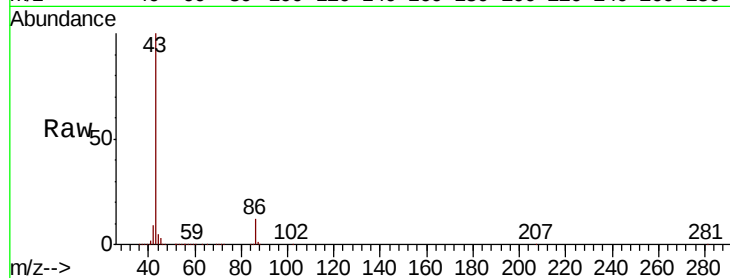
86 12.3 10.4 15.6

Manual Integrations

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11/6/2020 9:23:25 AM



#24

1,1-Dichloroethane

Concen: 57.578 ug/l

RT: 3.67 min Scan# 424

Delta R.T. -0.00 min

Lab File: VX019326.D

Acq: 05 Nov 2020 19:47

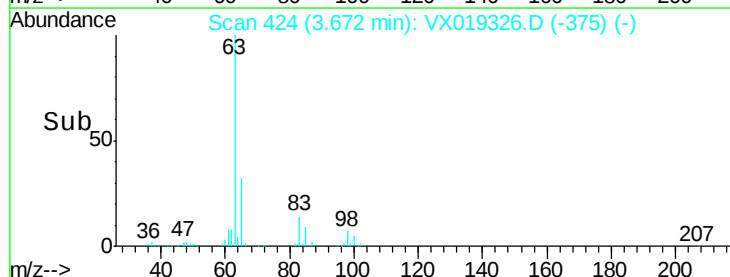
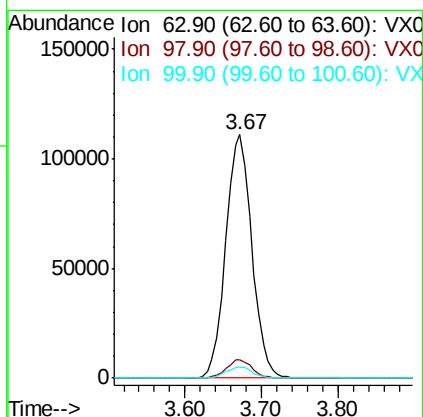
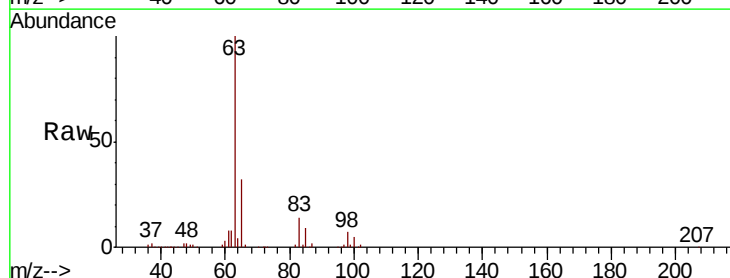
Tgt Ion: 63 Resp: 261166

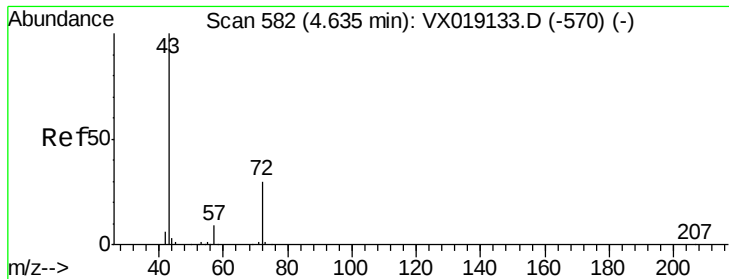
Ion Ratio Lower Upper

63 100

98 7.4 3.8 11.4

100 4.6 2.4 7.2





#25

2-Butanone

Concen: 305.591 ug/l

RT: 4.64 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX019326.D

Acq: 05 Nov 2020 19:47

Instrument :

MSVOA_X

ClientSampleId :

FA2O-MMW3414MSD

Tot Ion: 43 Resp: 531873

Ion Ratio Lower Upper

43 100

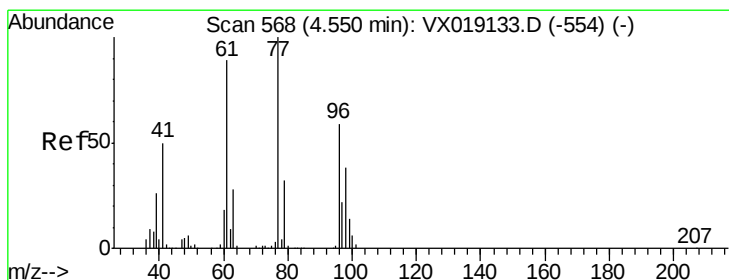
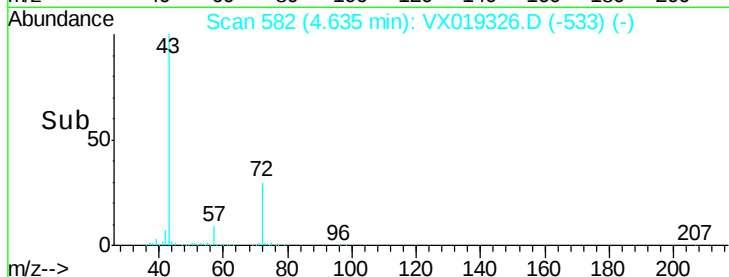
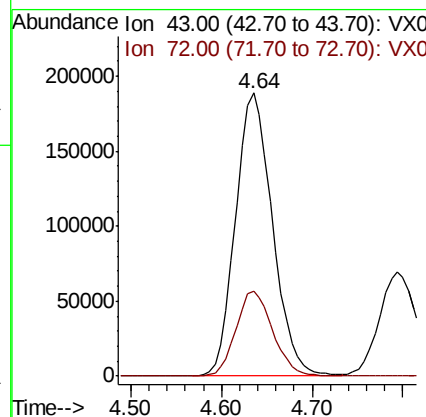
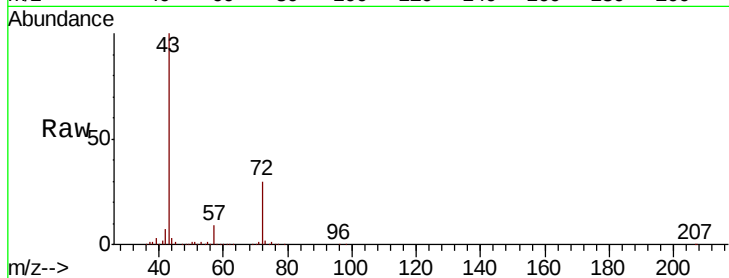
72 29.9 24.6 36.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 46.353 ug/l

RT: 4.55 min Scan# 568

Delta R.T. -0.00 min

Lab File: VX019326.D

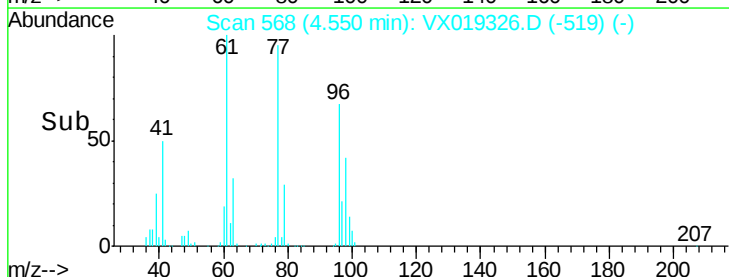
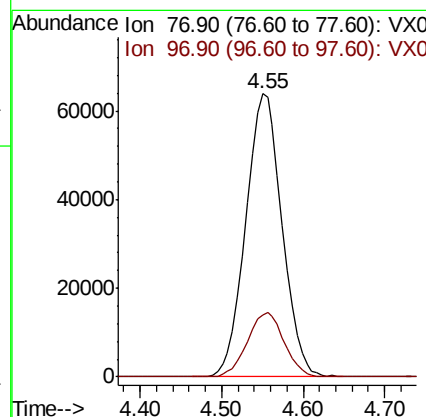
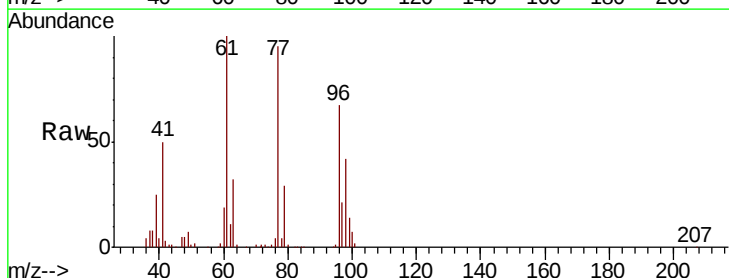
Acq: 05 Nov 2020 19:47

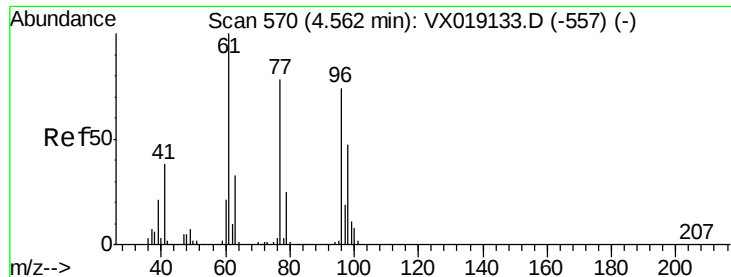
Tgt Ion: 77 Resp: 197655

Ion Ratio Lower Upper

77 100

97 23.0 11.4 34.1





#27

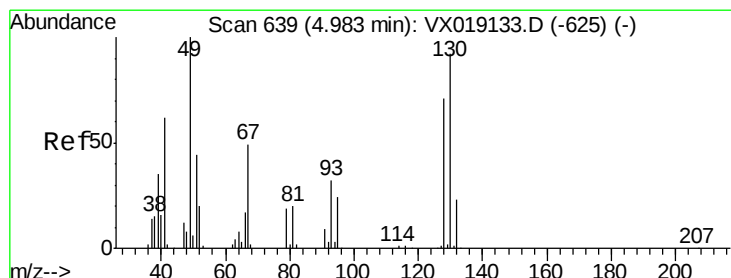
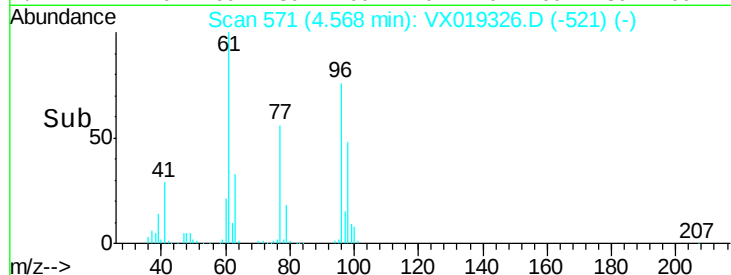
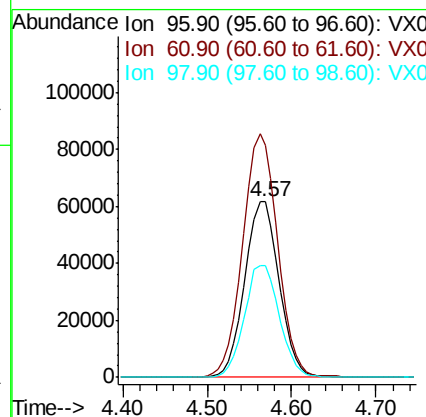
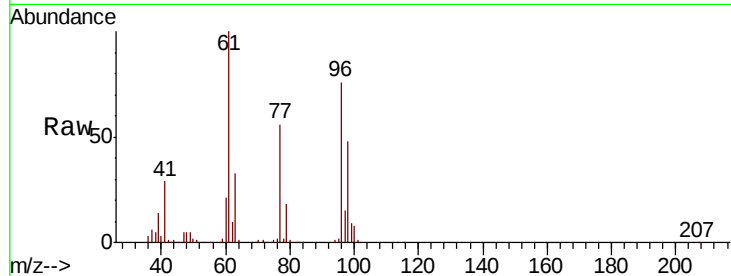
cis-1,2-Dichloroethene
Concen: 55.217 ug/l
RT: 4.57 min Scan# 571
Delta R.T. 0.01 min
Lab File: VX019326.D
Acq: 05 Nov 2020 19:47

Instrument :
MSVOA_X
ClientSampleId :
FA2O-MMW3414MSD

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	141.3	0.0	278.8	
98	64.6	0.0	130.2	

Manual Integrations
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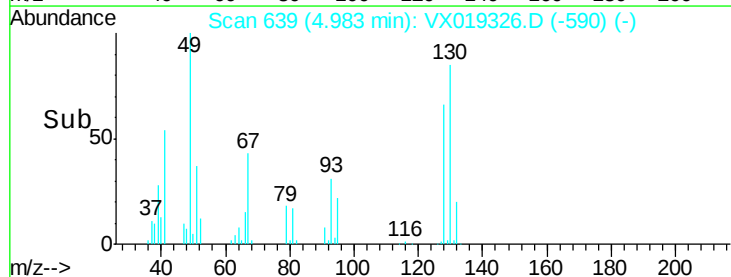
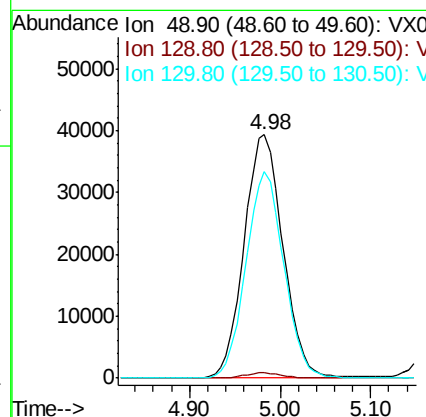
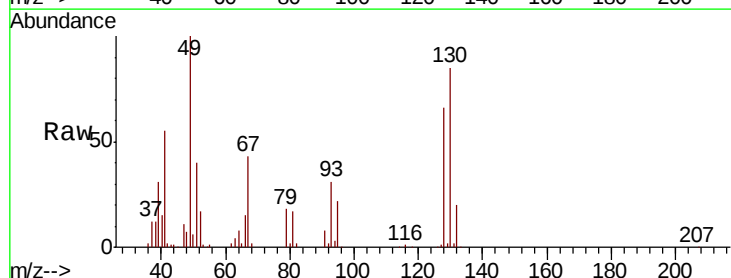
MMDadoda
11/6/2020 9:23:25 AM

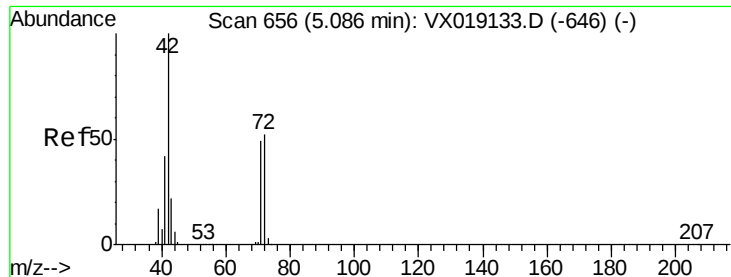


#28

Bromochloromethane
Concen: 56.627 ug/l
RT: 4.98 min Scan# 639
Delta R.T. -0.00 min
Lab File: VX019326.D
Acq: 05 Nov 2020 19:47

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.0	0.0	4.4	
130	82.9	71.3	106.9	





#29

Tetrahydrofuran

Concen: 314.120 ug/l

RT: 5.09 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX019326.D

Acq: 05 Nov 2020 19:47

Instrument :

MSVOA_X

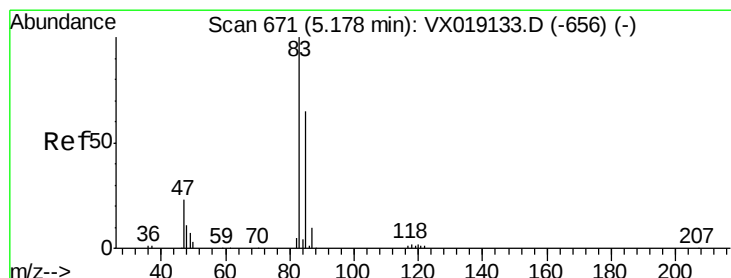
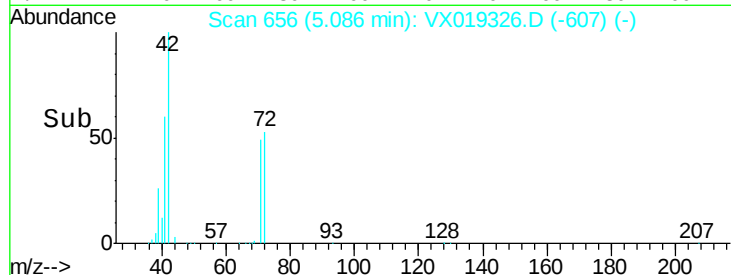
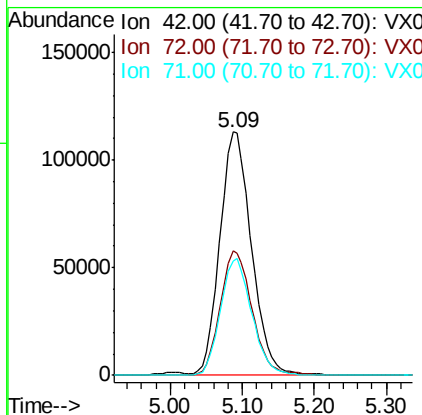
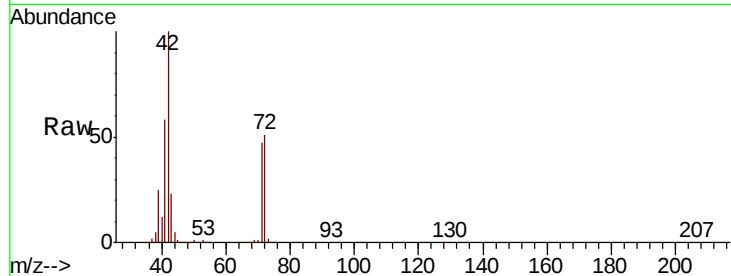
ClientSampleId :

FA2O-MMW3414MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	51.9	42.6	63.8
71	47.7	39.7	59.5

Manual Integrations
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#30

Chloroform

Concen: 57.025 ug/l

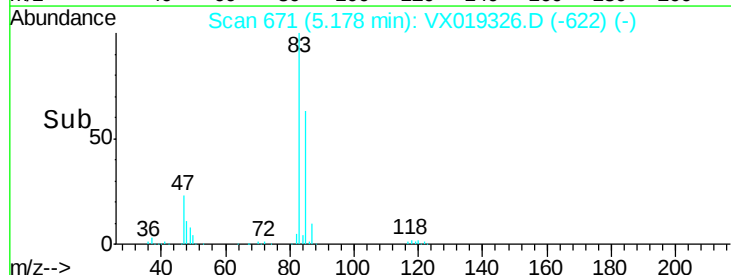
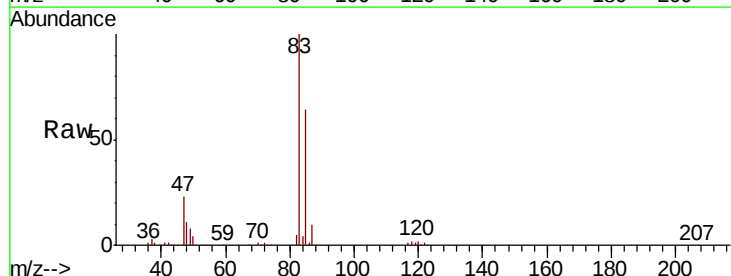
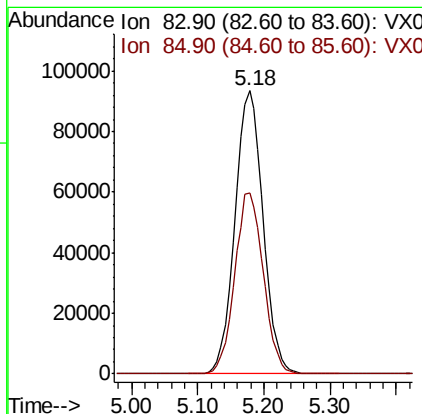
RT: 5.18 min Scan# 671

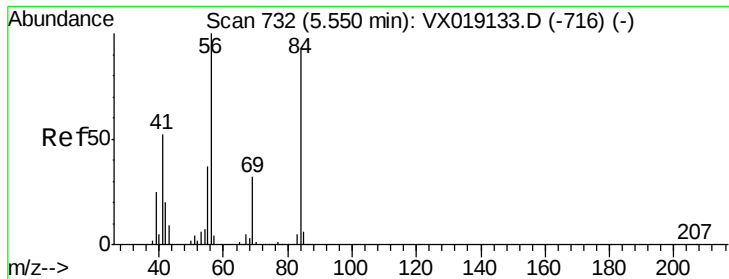
Delta R.T. -0.00 min

Lab File: VX019326.D

Acq: 05 Nov 2020 19:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.9	77.9





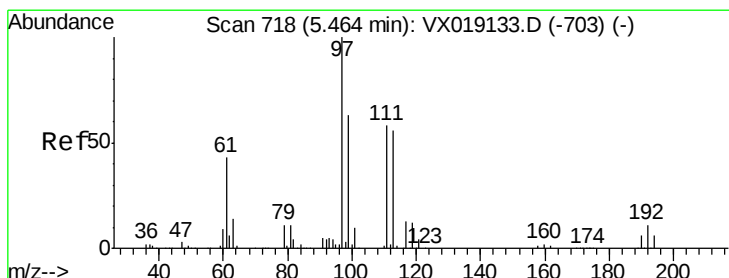
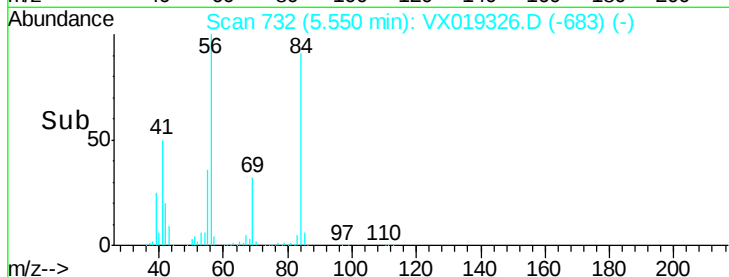
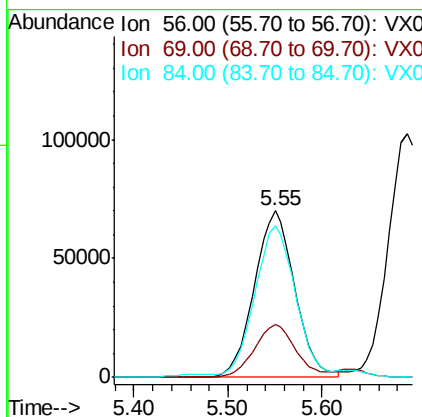
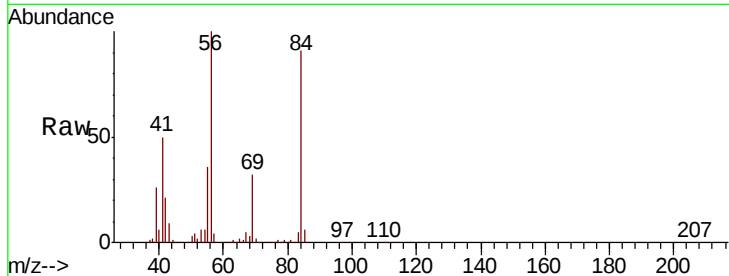
#31
Cyclohexane
Concen: 51.874 ug/l
RT: 5.55 min Scan# 732
Delta R.T. -0.00 min
Lab File: VX019326.D
Acq: 05 Nov 2020 19:47

Instrument :
MSVOA_X
ClientSampleId :
FA2O-MMW3414MSD

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.9	25.9	38.9
84	89.0	73.4	110.2

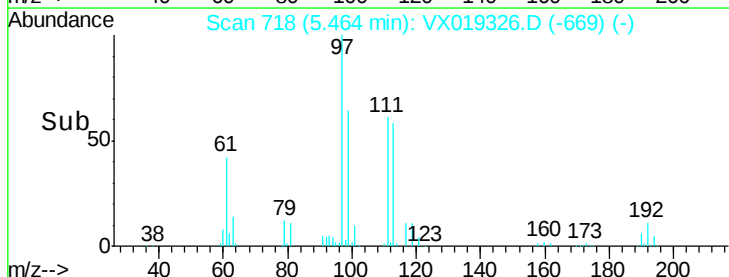
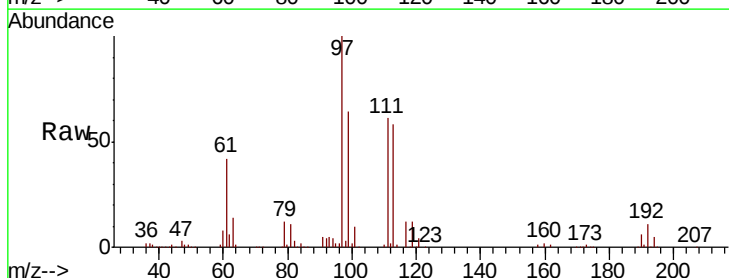
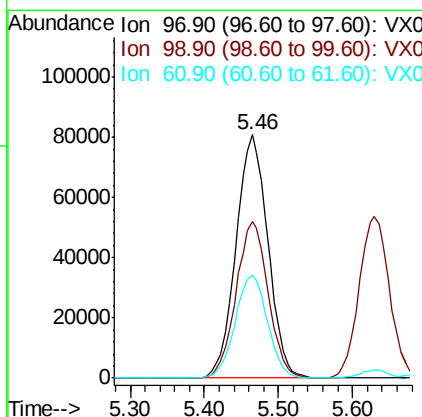
Manual Integrations
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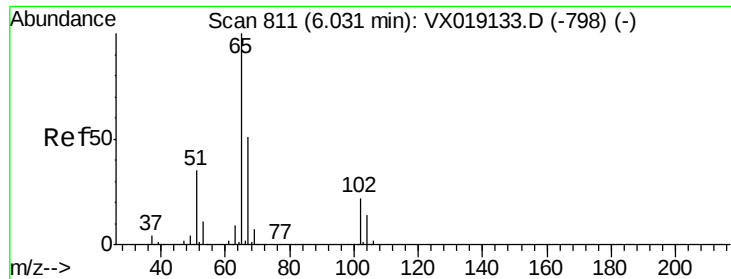
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 55.563 ug/l
RT: 5.46 min Scan# 718
Delta R.T. -0.00 min
Lab File: VX019326.D
Acq: 05 Nov 2020 19:47

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.7	77.5
61	43.1	34.2	51.2





#33

1,2-Dichloroethane-d4

Concen: 53.243 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX019326.D

Acq: 05 Nov 2020 19:47

Instrument :

MSVOA_X

ClientSampleId :

FA2O-MMW3414MSD

Tot Ion: 65 Resp: 170440

Ion Ratio Lower Upper

65 100

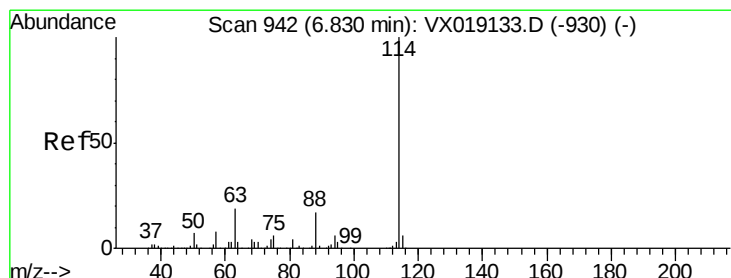
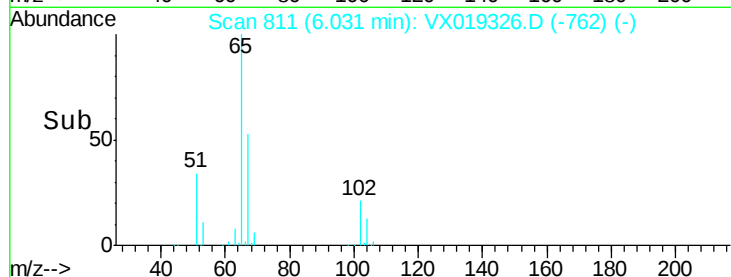
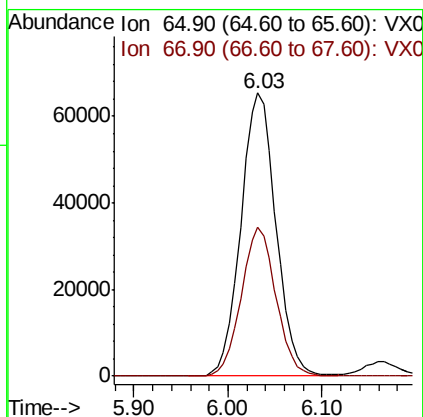
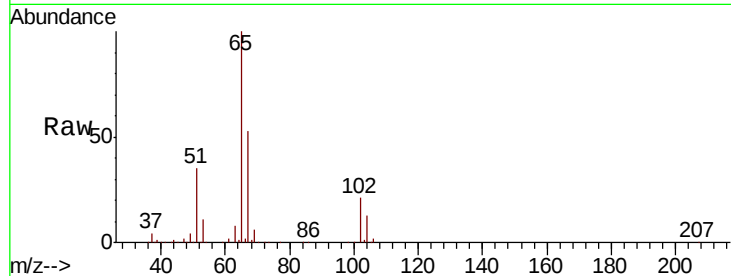
67 52.1 0.0 103.0

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX019326.D

Acq: 05 Nov 2020 19:47

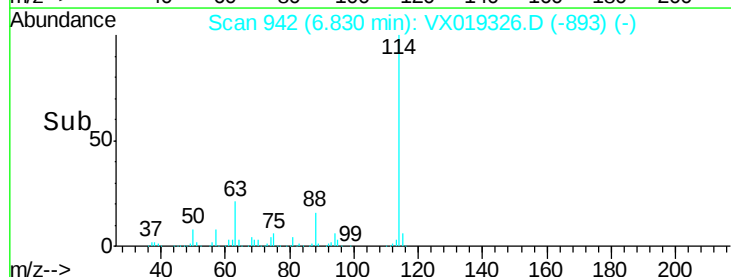
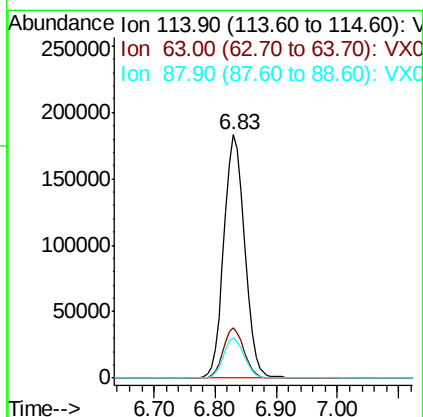
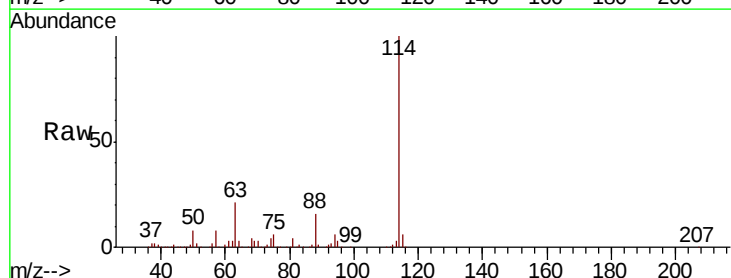
Tgt Ion: 114 Resp: 431564

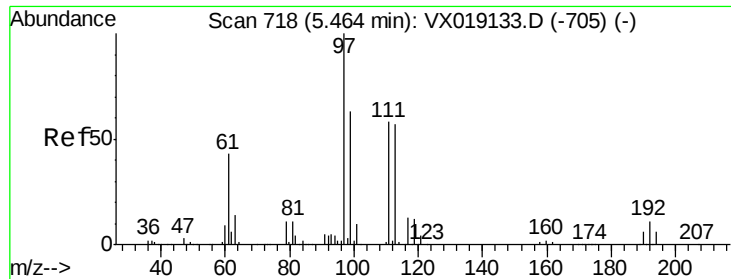
Ion Ratio Lower Upper

114 100

63 20.6 0.0 38.8

88 16.2 0.0 34.2





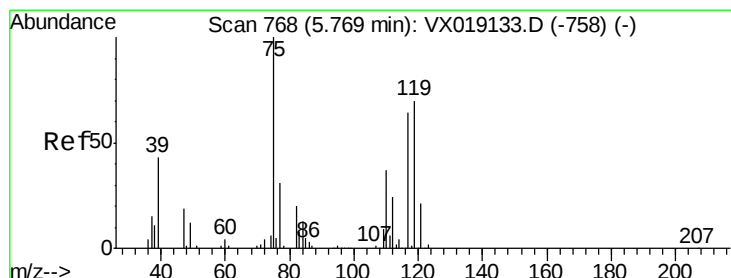
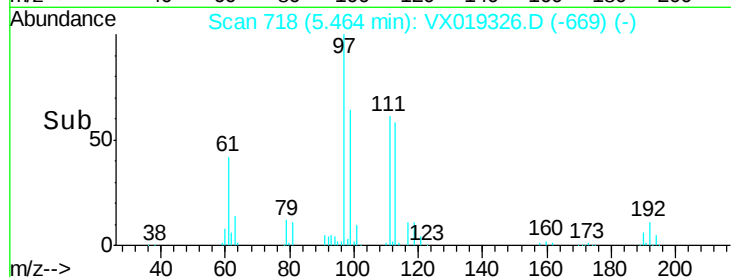
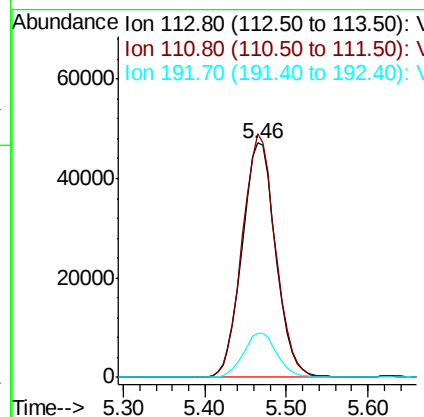
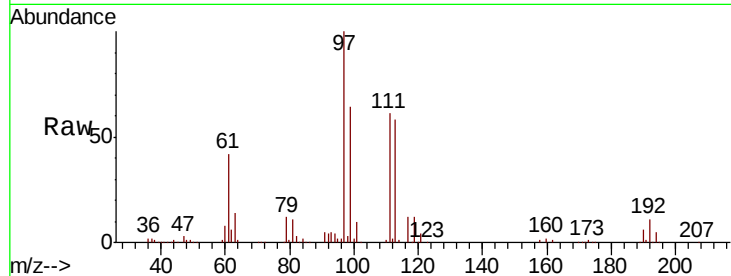
#35
Dibromofluoromethane
Concen: 49.884 ug/l
RT: 5.46 min Scan# 718
Delta R.T. -0.00 min
Lab File: VX019326.D
Acq: 05 Nov 2020 19:47

Instrument :
MSVOA_X
ClientSampleId :
FA2O-MMW3414MSD

Tot Ion	Ratio	Resp	Lower	Upper
113	100	135225		
111	102.5	82.3	123.5	
192	18.9	16.2	24.2	

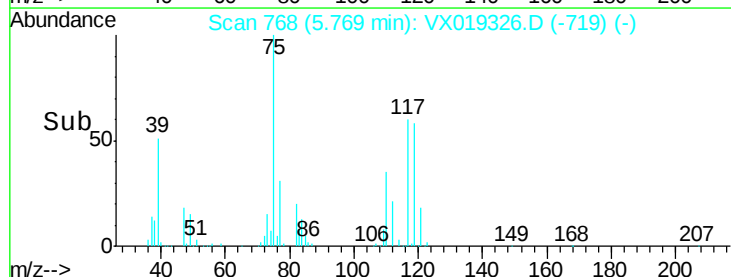
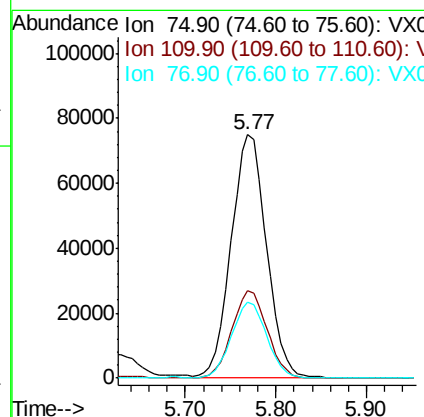
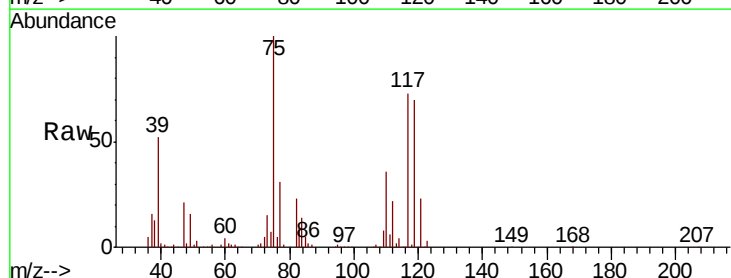
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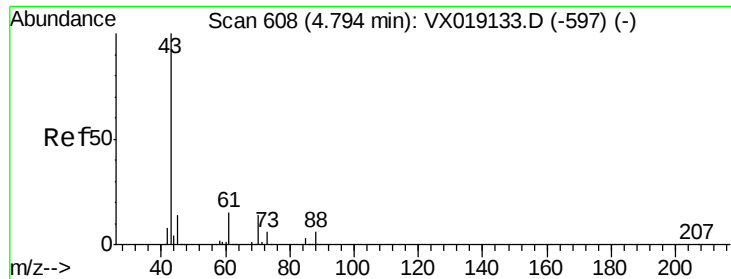
MMDadoda
11/6/2020 9:23:25 AM



#36
1,1-Dichloropropene
Concen: 50.691 ug/l
RT: 5.77 min Scan# 768
Delta R.T. -0.00 min
Lab File: VX019326.D
Acq: 05 Nov 2020 19:47

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	202013		
110	35.9	18.3	54.9	
77	31.4	24.9	37.3	





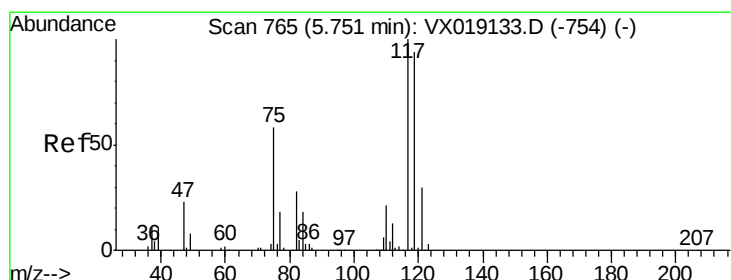
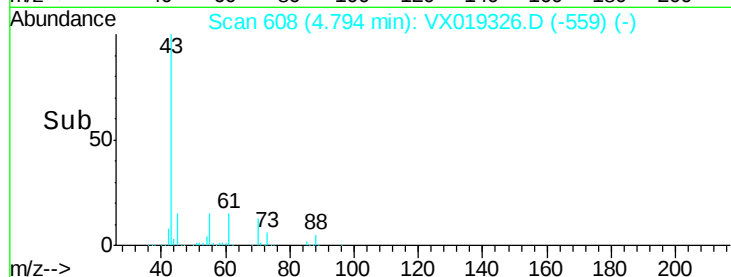
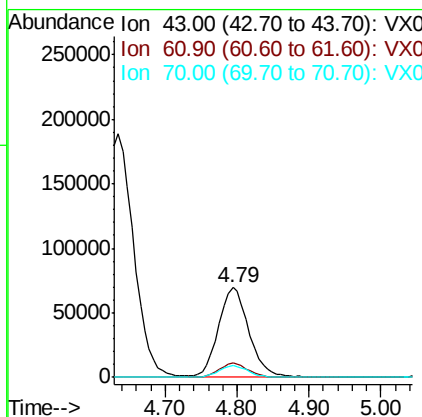
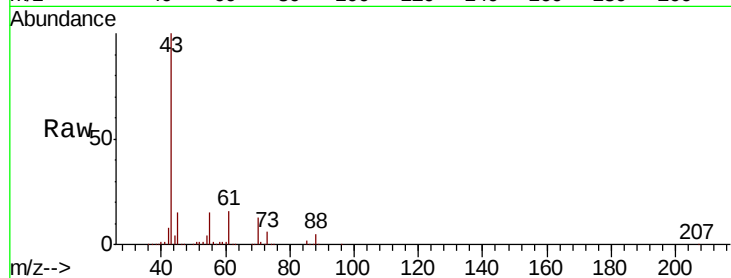
#37
Ethyl Acetate
Concen: 55.024 ug/l
RT: 4.79 min Scan# 608
Delta R.T. -0.00 min
Lab File: VX019326.D
Acq: 05 Nov 2020 19:47

Instrument :
MSVOA_X
ClientSampleId :
FA2O-MMW3414MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.0	12.5	18.7
70	12.8	10.5	15.7

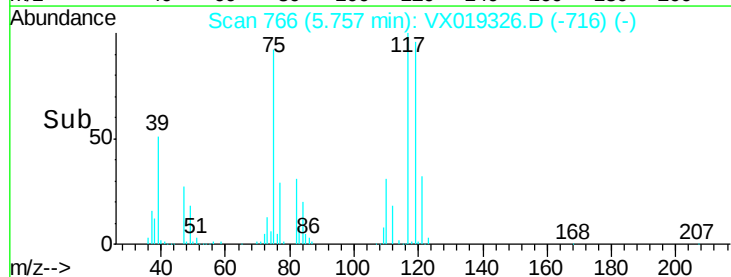
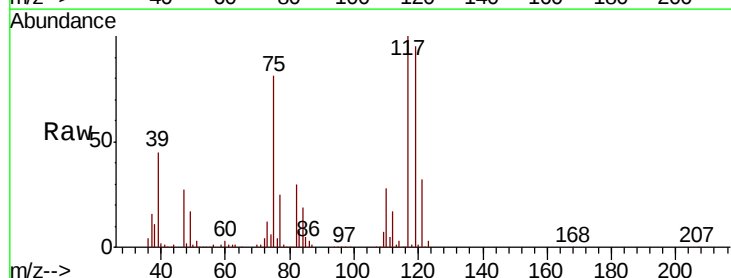
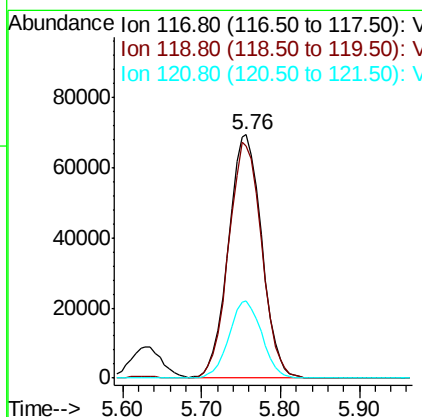
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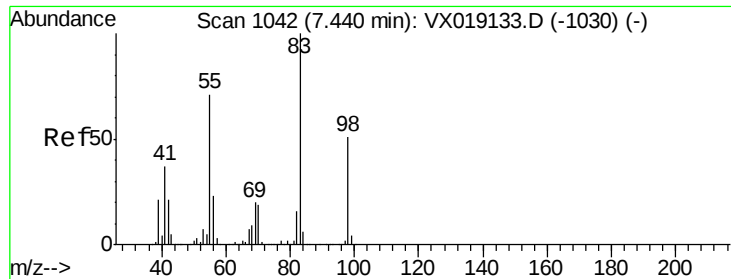
MMDadoda
11/6/2020 9:23:25 AM



#38
Carbon Tetrachloride
Concen: 50.222 ug/l
RT: 5.76 min Scan# 766
Delta R.T. 0.01 min
Lab File: VX019326.D
Acq: 05 Nov 2020 19:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.3	75.0	112.6
121	31.7	23.9	35.9





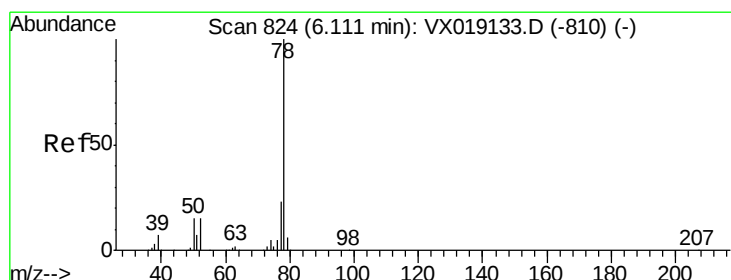
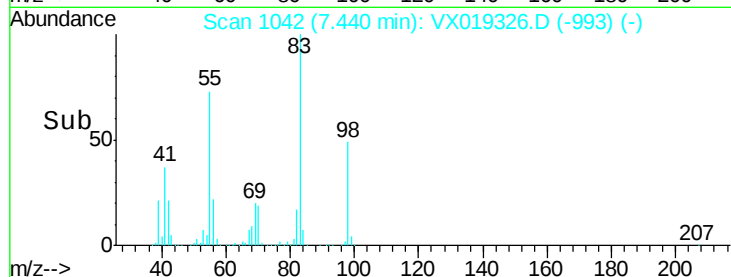
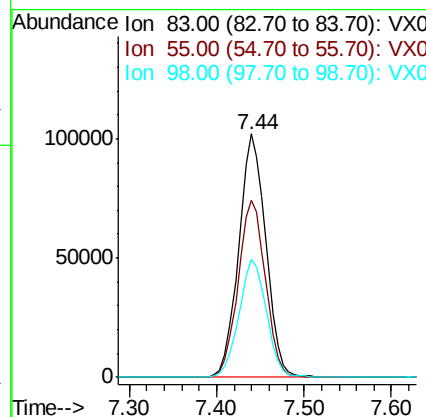
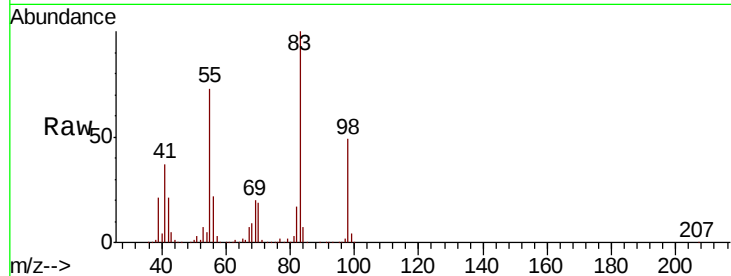
#39
Methvlcvclohexane
Concen: 46.056 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VX019326.D
Acq: 05 Nov 2020 19:47

Instrument :
MSVOA_X
ClientSampleId :
FA2O-MMW3414MSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.6	57.0	85.6
98	48.7	40.5	60.7

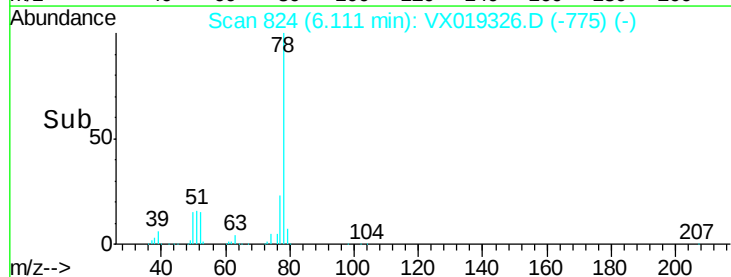
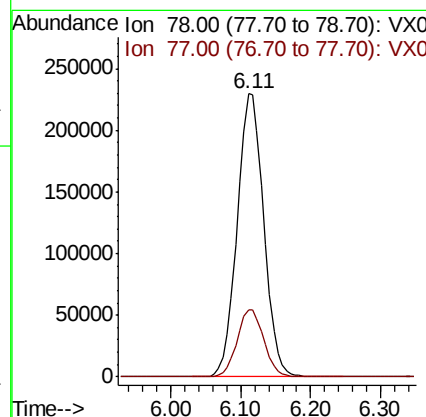
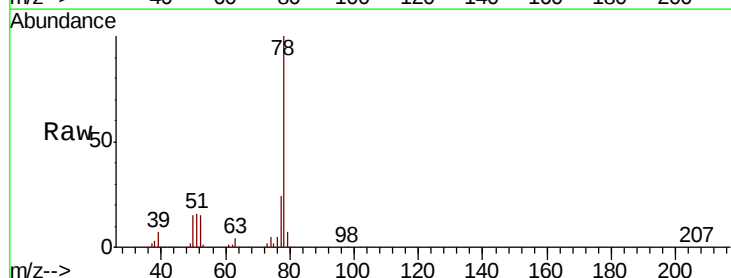
Manual Integrations
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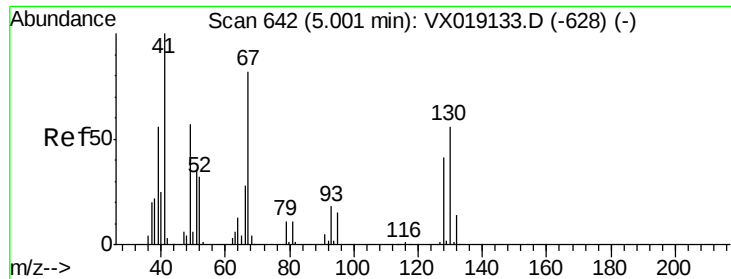
MMDadoda
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#40
Benzene
Concen: 53.567 ug/l
RT: 6.11 min Scan# 824
Delta R.T. -0.00 min
Lab File: VX019326.D
Acq: 05 Nov 2020 19:47

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.7	28.1





#41

Methacrylonitrile

Concen: 56.259 ug/l

RT: 5.00 min Scan# 642

Delta R.T. -0.00 min

Lab File: VX019326.D

Acq: 05 Nov 2020 19:47

Instrument :

MSVOA_X

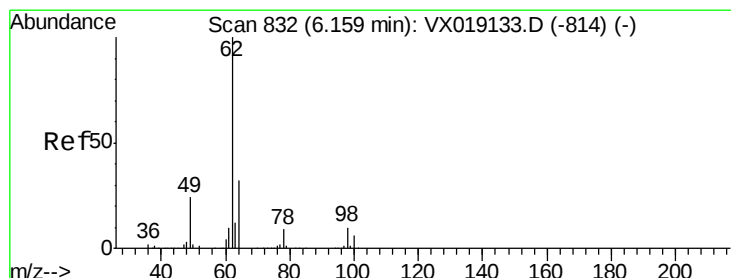
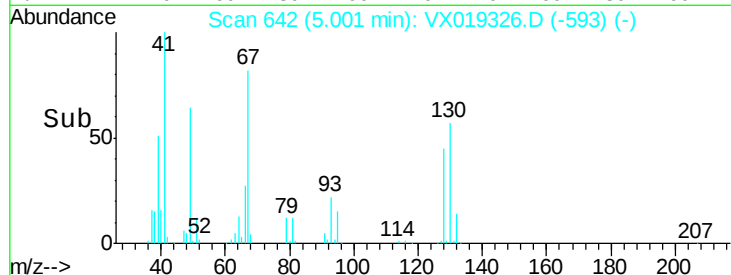
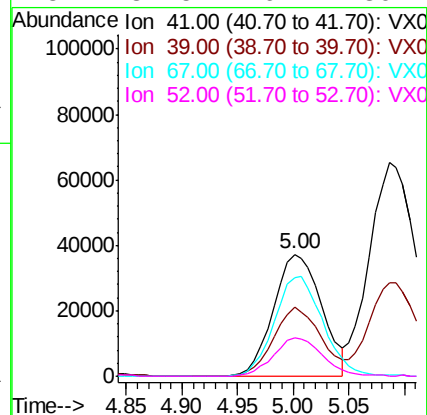
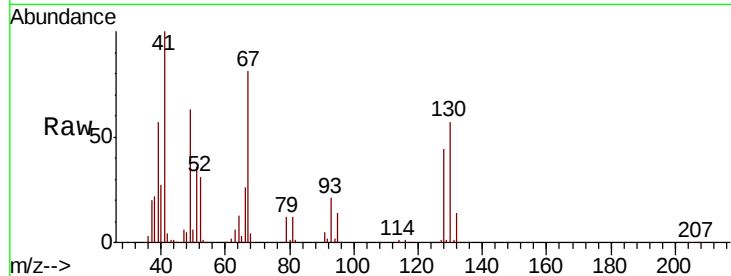
ClientSampleId :

FA2O-MMW3414MSD

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.2	44.4	66.6	
67	83.4	66.4	99.6	
52	32.5	26.2	39.4	

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#42

1,2-Dichloroethane

Concen: 53.731 ug/l

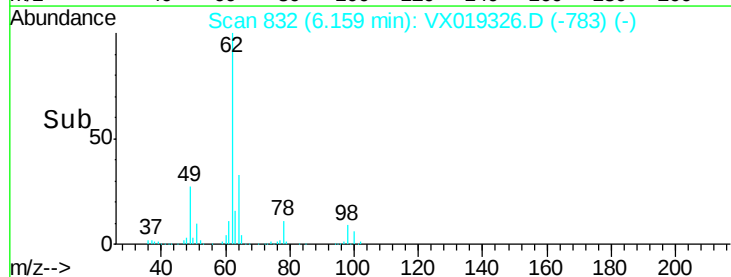
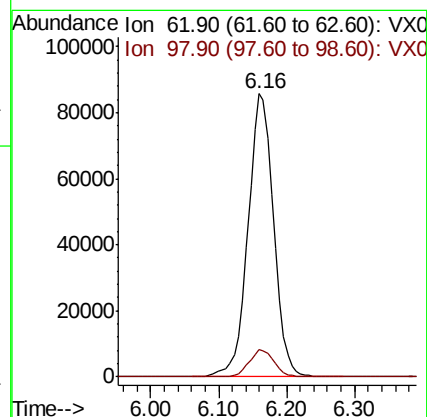
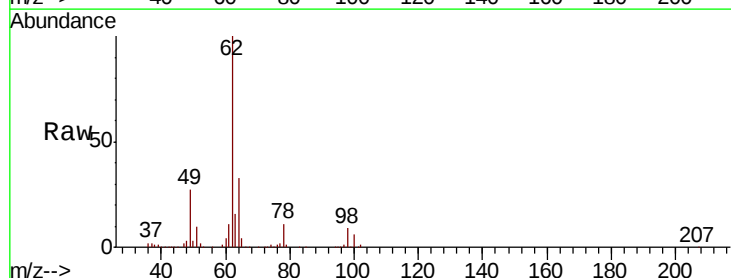
RT: 6.16 min Scan# 832

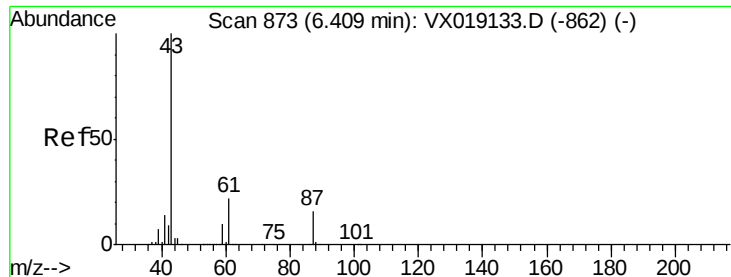
Delta R.T. -0.00 min

Lab File: VX019326.D

Acq: 05 Nov 2020 19:47

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.5	0.0	19.0	





#43

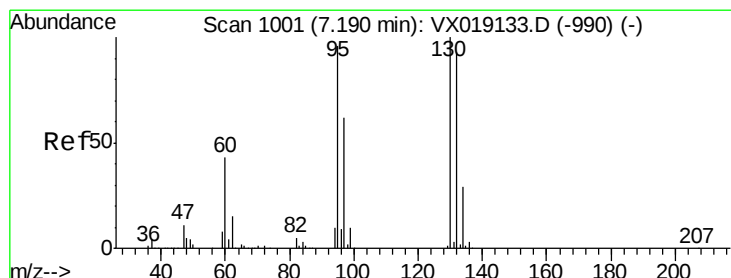
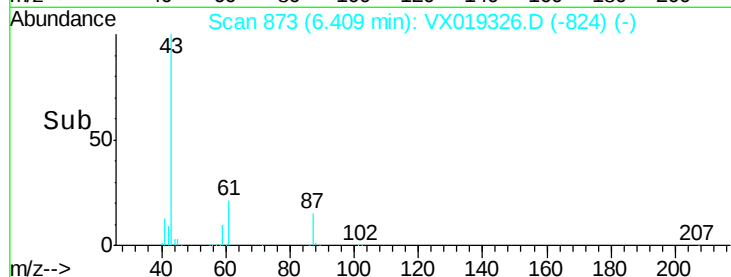
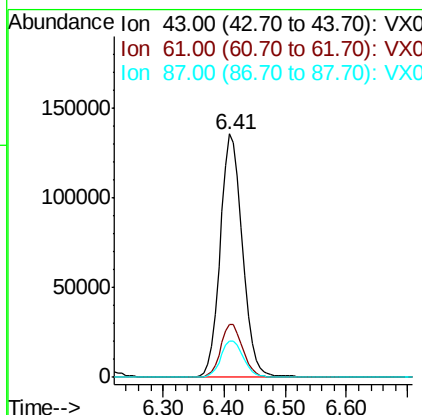
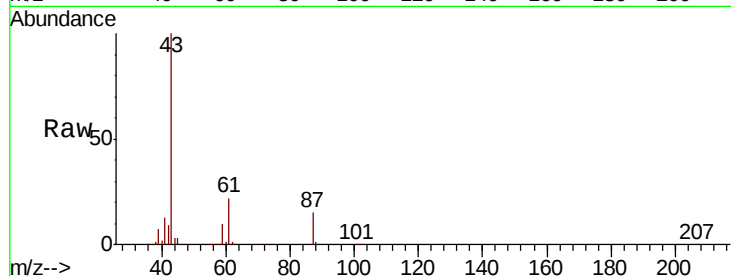
Isopropyl Acetate
 Concen: 54.941 ug/l
 RT: 6.41 min Scan# 873
 Delta R.T. -0.00 min
 Lab File: VX019326.D
 Acq: 05 Nov 2020 19:47

Instrument :
 MSVOA_X
 ClientSampleId :
 FA2O-MMW3414MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.9	17.8	26.6
87	15.3	12.6	19.0

Manual Integrations
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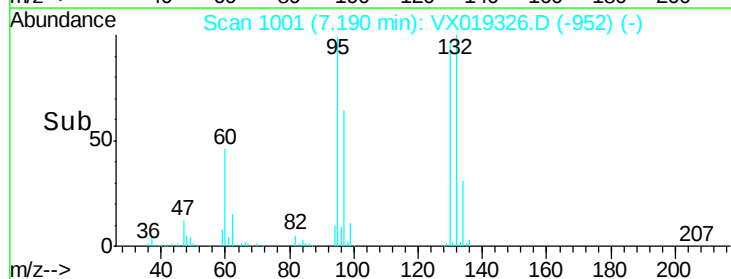
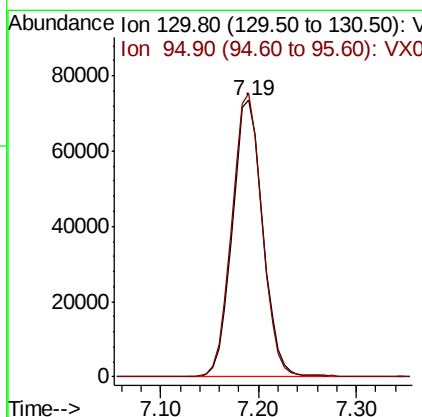
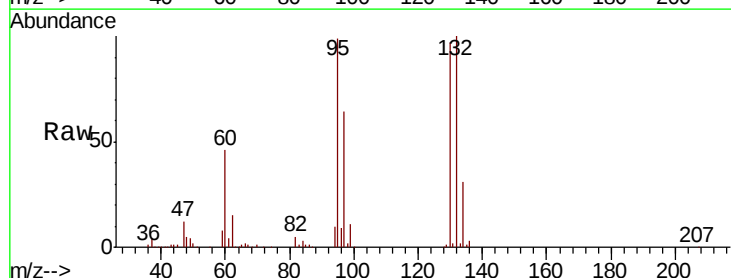
MMDadoda
 11/6/2020 9:23:25 AM

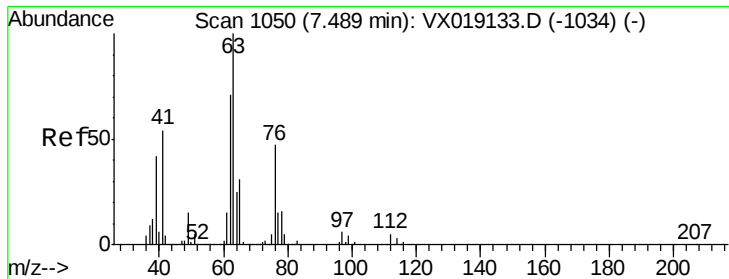


#44

Trichloroethene
 Concen: 49.076 ug/l
 RT: 7.19 min Scan# 1001
 Delta R.T. -0.00 min
 Lab File: VX019326.D
 Acq: 05 Nov 2020 19:47

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.4	0.0	192.0





#45

1,2-Dichloropropane

Concen: 55.286 ug/l

RT: 7.49 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VX019326.D

Acq: 05 Nov 2020 19:47

Instrument :

MSVOA_X

ClientSampleId :

FA2O-MMW3414MSD

Tot Ion: 63 Resp: 153009

Ion Ratio Lower Upper

63 100

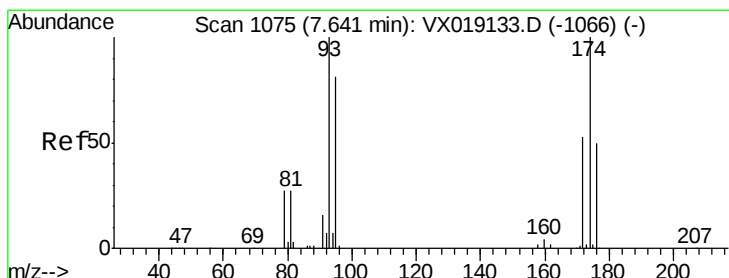
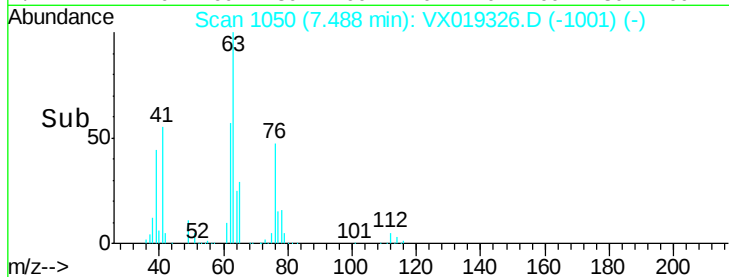
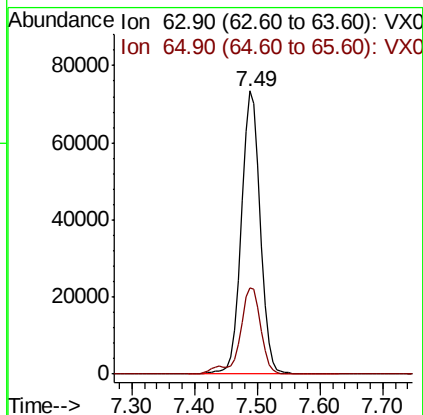
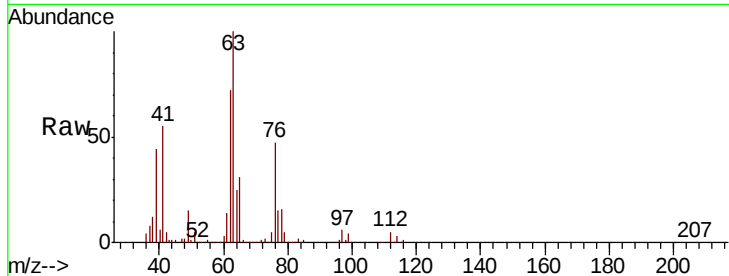
65 30.6 25.2 37.8

Manual Integrations

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#46

Dibromomethane

Concen: 52.939 ug/l

RT: 7.63 min Scan# 1074

Delta R.T. -0.01 min

Lab File: VX019326.D

Acq: 05 Nov 2020 19:47

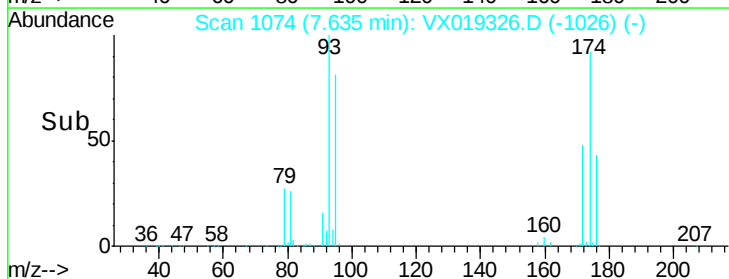
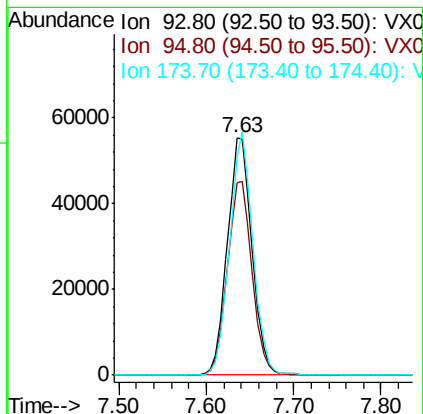
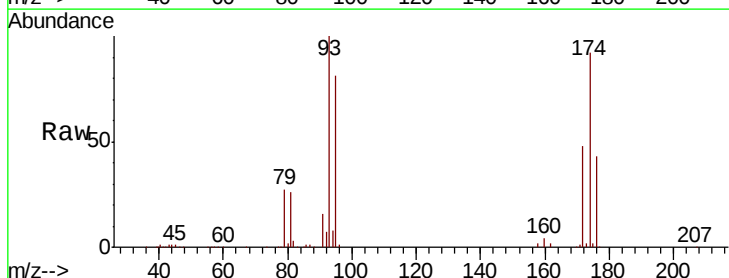
Tgt Ion: 93 Resp: 108340

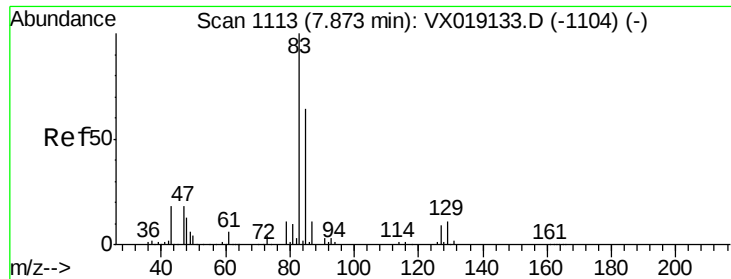
Ion Ratio Lower Upper

93 100

95 81.8 67.0 100.6

174 97.1 81.7 122.5





#47

Bromodichloromethane

Concen: 53.753 ug/l

RT: 7.87 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VX019326.D

Acq: 05 Nov 2020 19:47

Instrument :

MSVOA_X

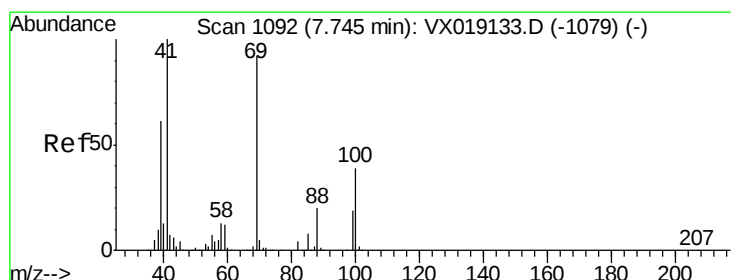
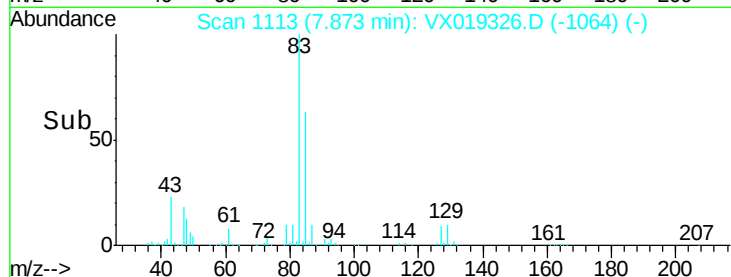
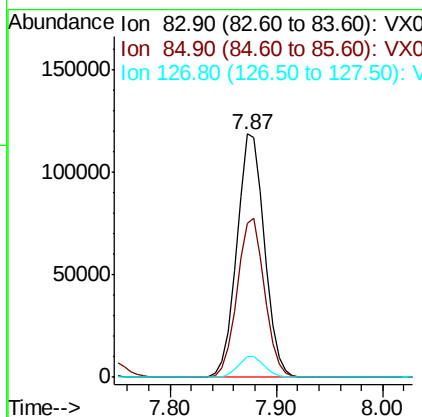
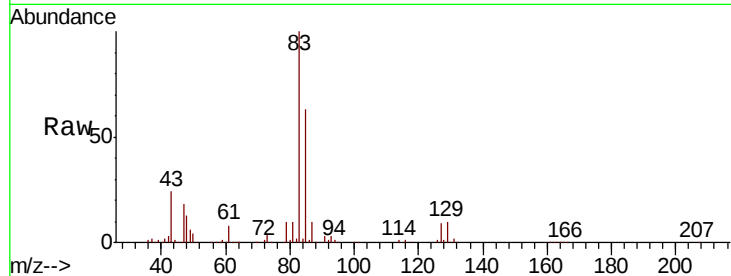
ClientSampleId :

FA2O-MMW3414MSD

Tot Ion:	83	Resp:	216831
Ion Ratio	Lower	Upper	
83	100		
85	63.2	51.2	76.8
127	8.6	7.1	10.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 57.419 ug/l

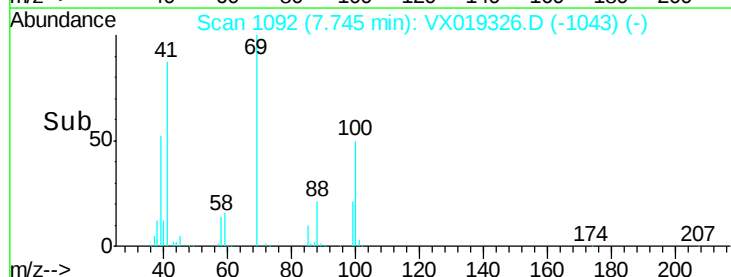
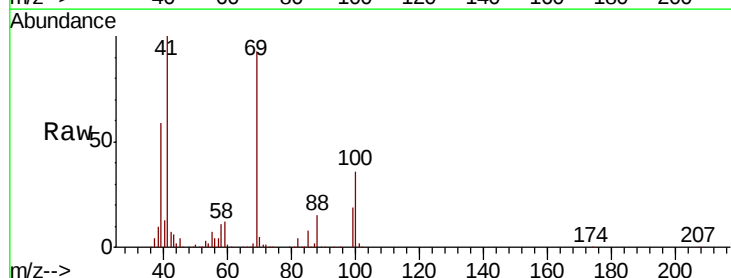
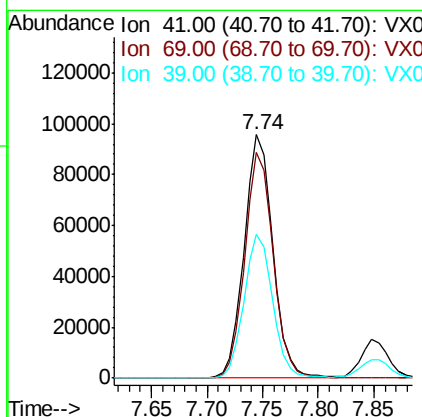
RT: 7.74 min Scan# 1092

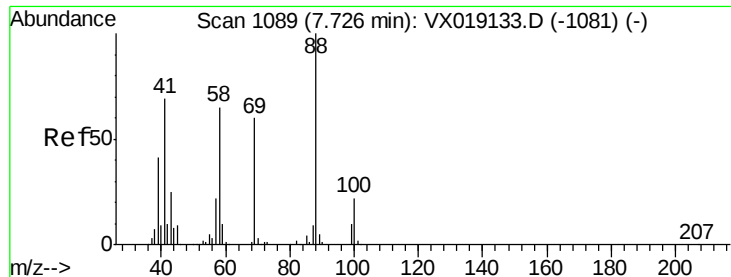
Delta R.T. -0.00 min

Lab File: VX019326.D

Acq: 05 Nov 2020 19:47

Tgt Ion:	41	Resp:	171224
Ion Ratio	Lower	Upper	
41	100		
69	92.4	75.5	113.3
39	58.9	48.9	73.3





#49

1,4-Dioxane

Concen: 1141.032 ug/l

RT: 7.73 min Scan# 1089

Delta R.T. -0.00 min

Lab File: VX019326.D

Acq: 05 Nov 2020 19:47

Instrument :

MSVOA_X

ClientSampleId :

FA2O-MMW3414MSD

Tot Ion: 88 Resp: 75669

Ion Ratio Lower Upper

88 100

43 29.0 23.0 34.6

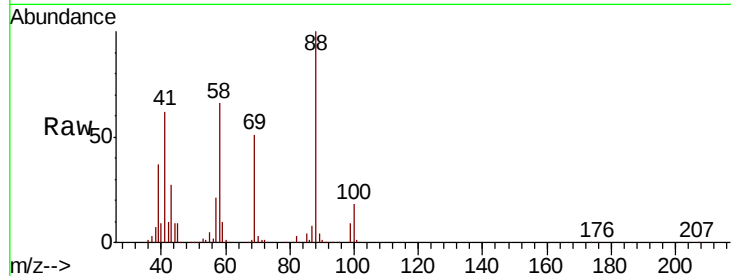
58 66.7 52.2 78.2

Manual Integrations

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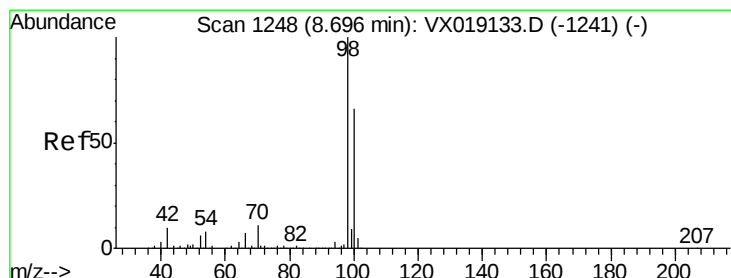
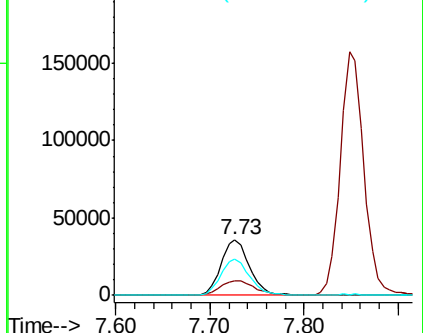
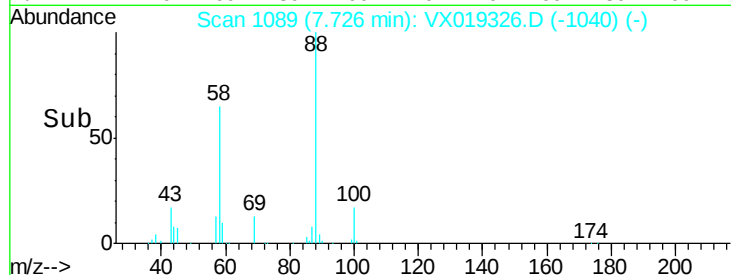
11/6/2020 9:23:25 AM



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 49.245 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX019326.D

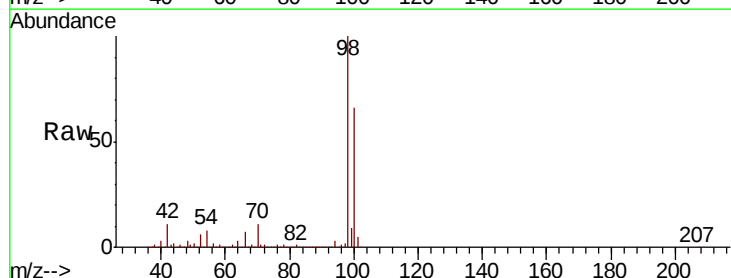
Acq: 05 Nov 2020 19:47

Tgt Ion: 98 Resp: 503228

Ion Ratio Lower Upper

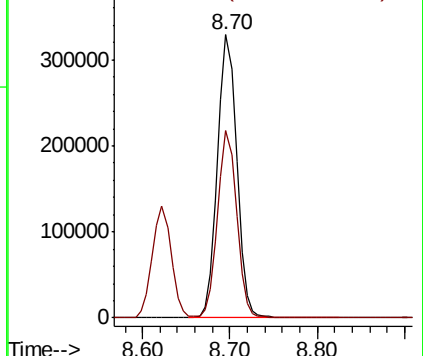
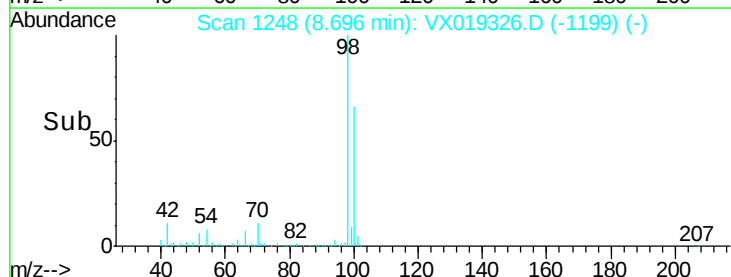
98 100

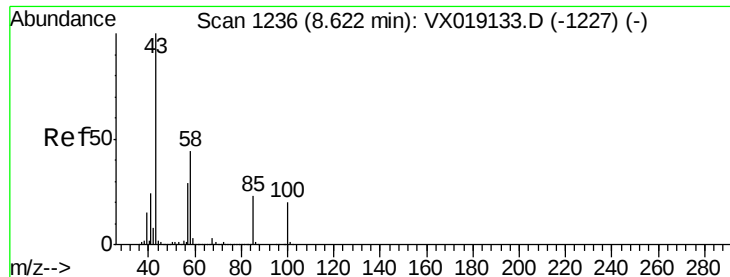
100 65.6 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 295.203 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VX019326.D

Acq: 05 Nov 2020 19:47

Instrument :

MSVOA_X

ClientSampleId :

FA2O-MMW3414MSD

Tot Ion: 43 Resp: 1051193

Ion Ratio Lower Upper

43 100

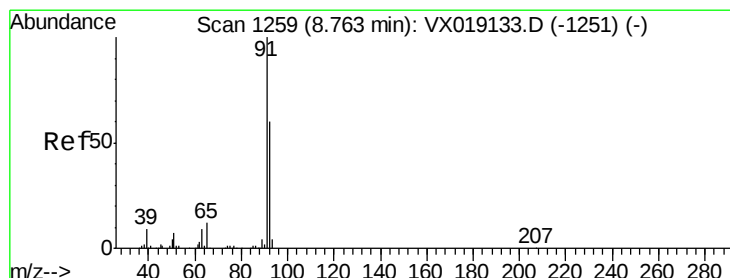
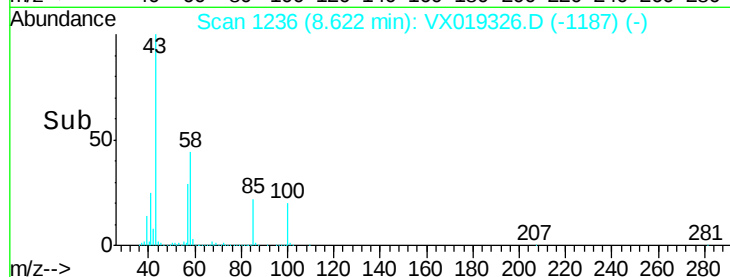
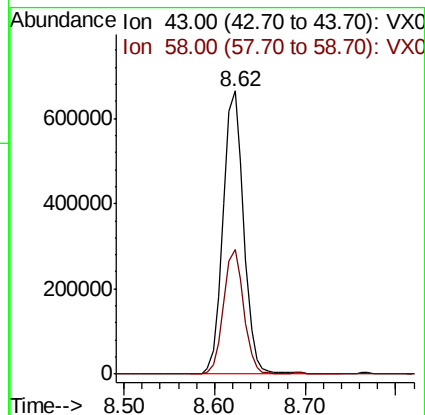
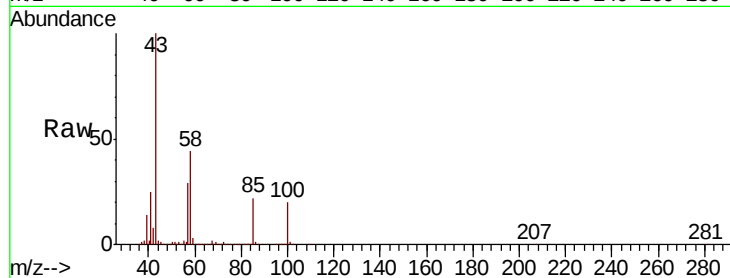
58 43.4 35.0 52.4

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#52

Toluene

Concen: 53.014 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. 0.01 min

Lab File: VX019326.D

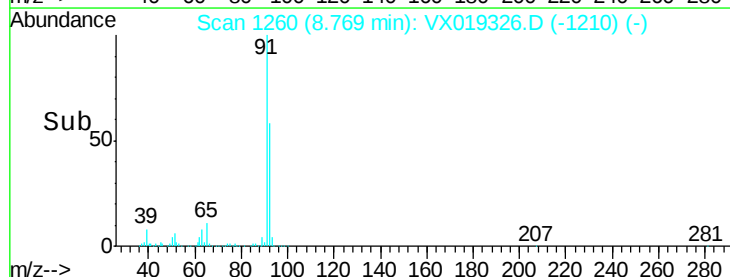
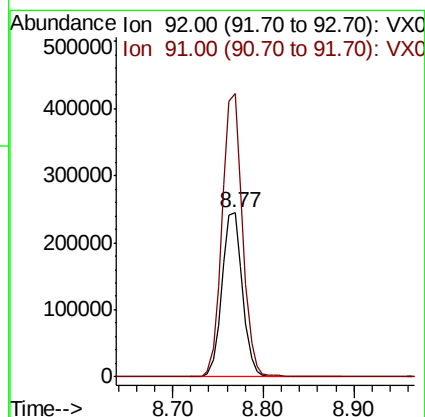
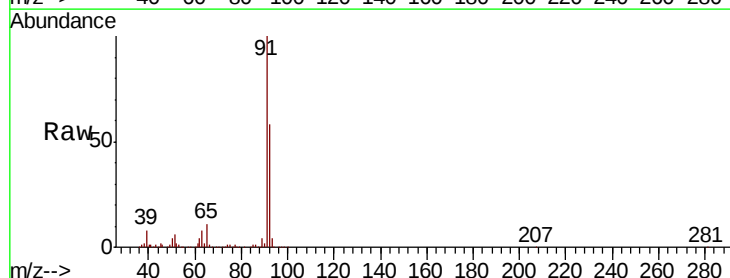
Acq: 05 Nov 2020 19:47

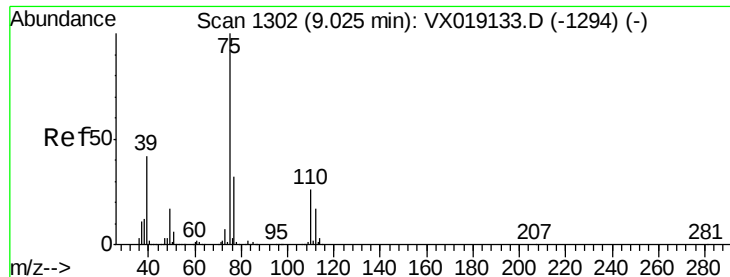
Tgt Ion: 92 Resp: 385803

Ion Ratio Lower Upper

92 100

91 171.5 136.3 204.5





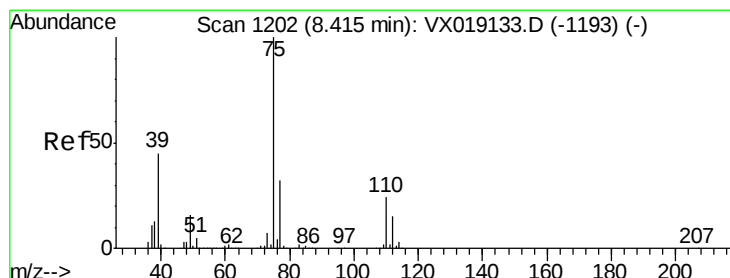
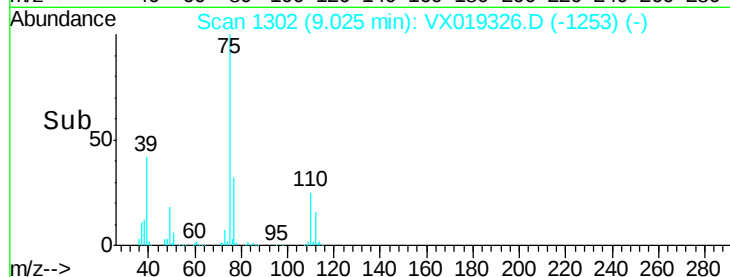
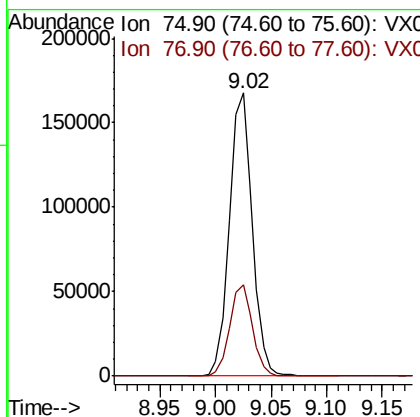
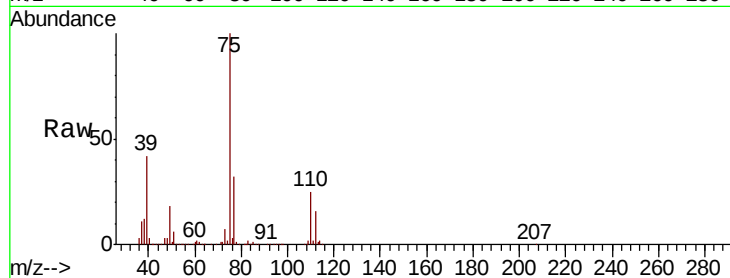
#53
t-1,3-Dichloropropene
Concen: 51.669 ug/l
RT: 9.02 min Scan# 1302
Delta R.T. -0.00 min
Lab File: VX019326.D
Acq: 05 Nov 2020 19:47

Instrument :
MSVOA_X
ClientSampleId :
FA2O-MMW3414MSD

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.4	38.0

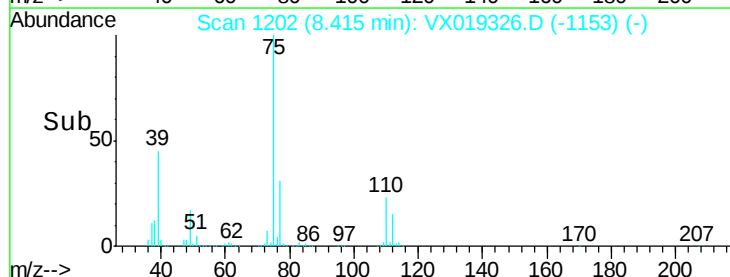
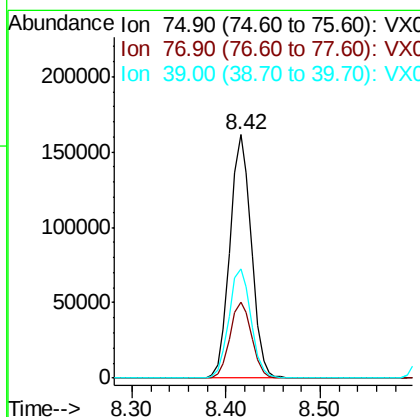
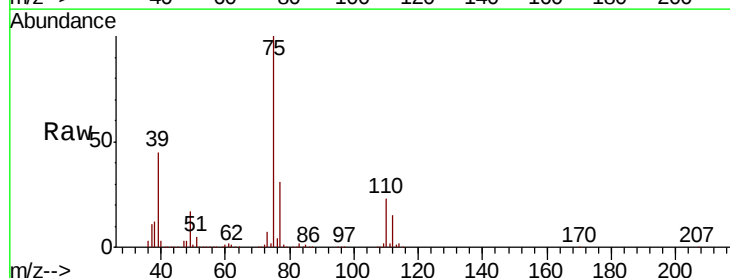
Manual Integrations
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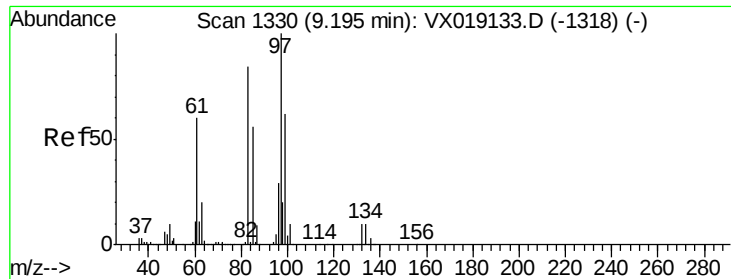
MMDadoda
11/6/2020 9:23:25 AM



#54
cis-1,3-Dichloropropene
Concen: 52.627 ug/l
RT: 8.42 min Scan# 1202
Delta R.T. -0.00 min
Lab File: VX019326.D
Acq: 05 Nov 2020 19:47

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.5	38.3
39	44.6	36.2	54.2





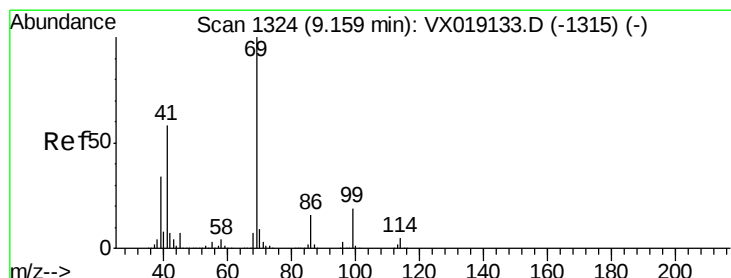
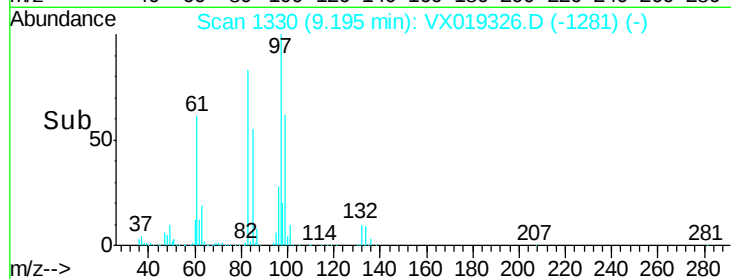
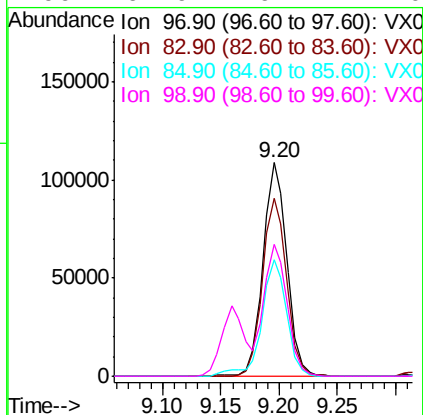
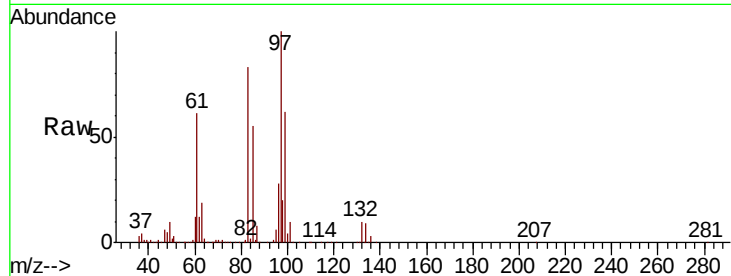
#55
 1,1,2-Trichloroethane
 Concen: 54.103 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VX019326.D
 Acq: 05 Nov 2020 19:47

Instrument :
 MSVOA_X
 ClientSampleId :
 FA2O-MMW3414MSD

Tot Ion:	97	Resp:	155567
Ion	Ratio	Lower	Upper
97	100		
83	83.3	67.2	100.8
85	54.6	44.6	67.0
99	61.9	49.4	74.0

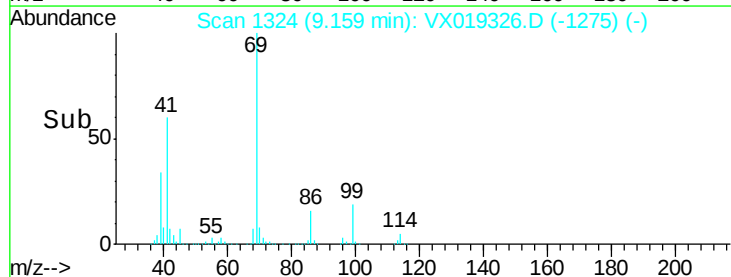
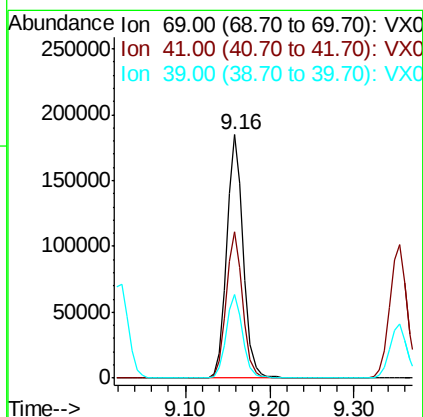
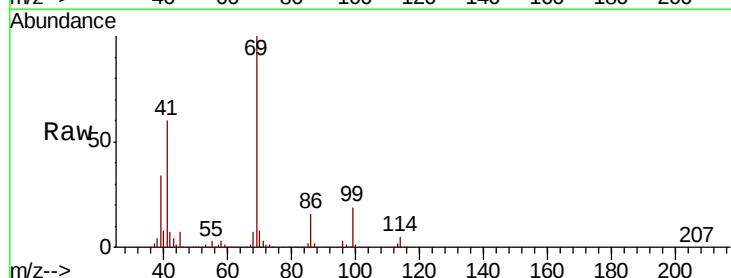
Manual Integrations
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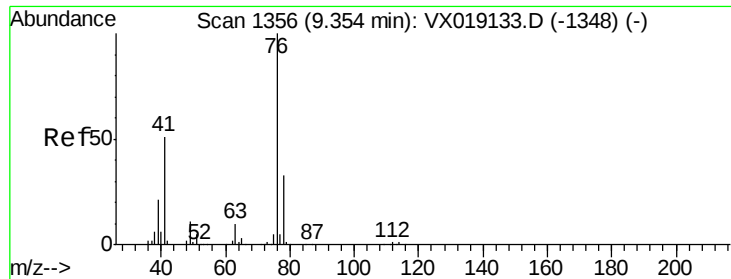
MMDadoda
 11/6/2020 9:23:25 AM



#56
 Ethyl methacrylate
 Concen: 57.181 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VX019326.D
 Acq: 05 Nov 2020 19:47

Tgt Ion:	69	Resp:	248346
Ion	Ratio	Lower	Upper
69	100		
41	60.0	46.5	69.7
39	34.4	27.6	41.4





#57

1,3-Dichloropropane

Concen: 54.186 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. -0.00 min

Lab File: VX019326.D

Acq: 05 Nov 2020 19:47

Instrument :

MSVOA_X

ClientSampleId :

FA2O-MMW3414MSD

Tot Ion: 76 Resp: 262686

Ion Ratio Lower Upper

76 100

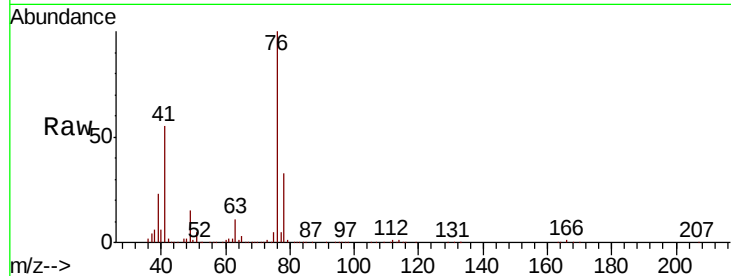
78 32.7 25.9 38.9

Manual Integrations

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MMDadoda

11/6/2020 9:23:25 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.35

200000

150000

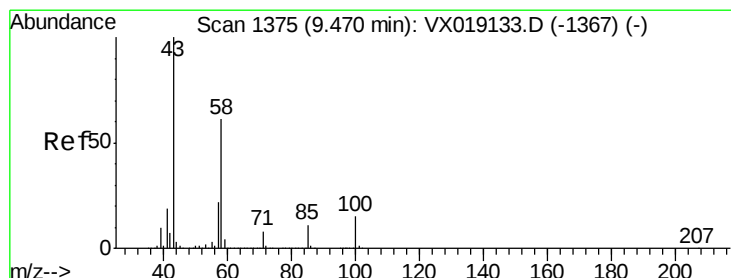
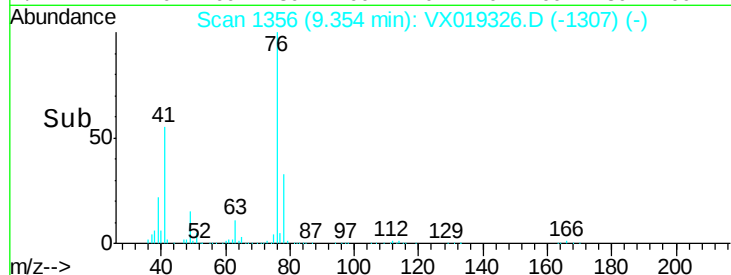
100000

50000

0

9.30 9.40 9.50

Time-->



#59

2-Hexanone

Concen: 297.092 ug/l

RT: 9.48 min Scan# 1376

Delta R.T. 0.01 min

Lab File: VX019326.D

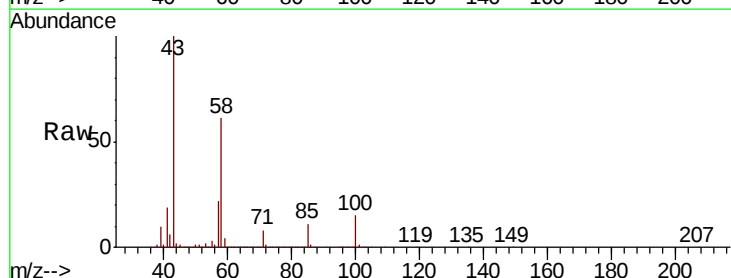
Acq: 05 Nov 2020 19:47

Tgt Ion: 43 Resp: 805298

Ion Ratio Lower Upper

43 100

58 60.3 30.5 91.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

9.48

600000

500000

400000

300000

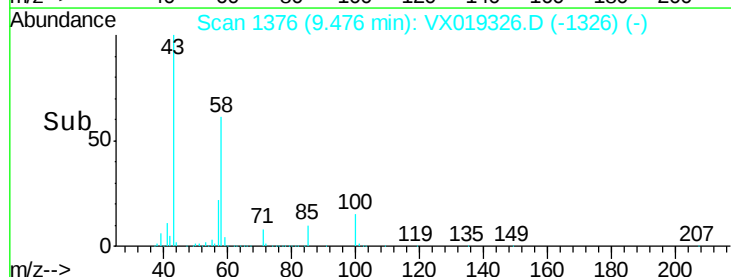
200000

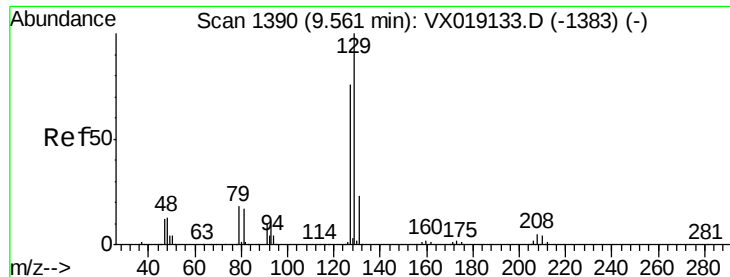
100000

0

9.40 9.45 9.50 9.55

Time-->





#60

Dibromochloromethane

Concen: 52.989 ug/l

RT: 9.57 min Scan# 1391

Delta R.T. 0.01 min

Lab File: VX019326.D

Acq: 05 Nov 2020 19:47

Instrument :

MSVOA_X

ClientSampleId :

FA2O-MMW3414MSD

Tot Ion:129 Resp: 165356

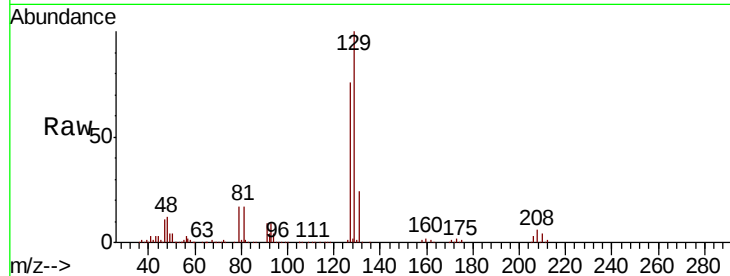
Ion Ratio Lower Upper

129 100

127 77.1 38.6 115.8

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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.57

120000

100000

80000

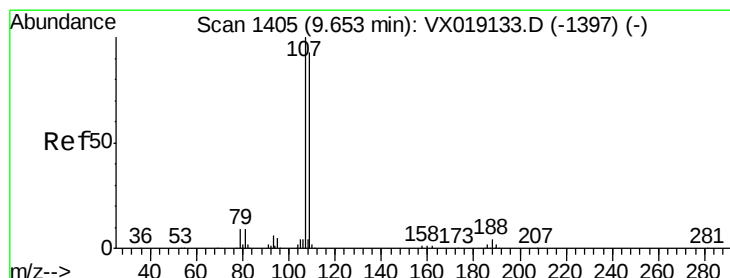
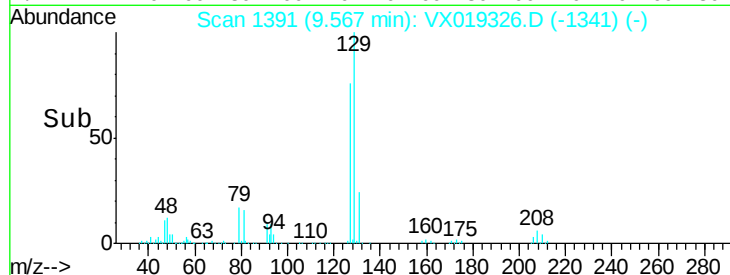
60000

40000

20000

0

Time-->



#61

1,2-Dibromoethane

Concen: 53.787 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. -0.00 min

Lab File: VX019326.D

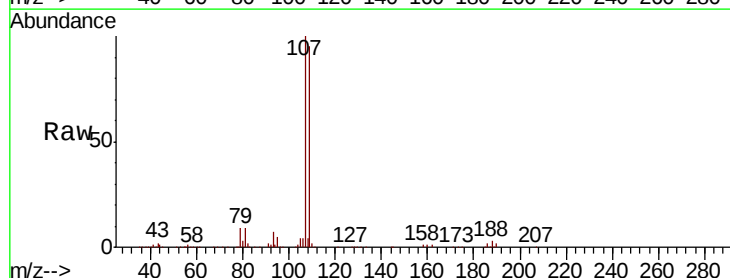
Acq: 05 Nov 2020 19:47

Tgt Ion:107 Resp: 165386

Ion Ratio Lower Upper

107 100

109 93.8 75.9 113.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

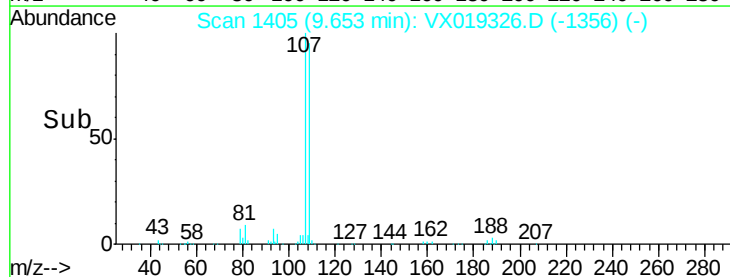
9.65

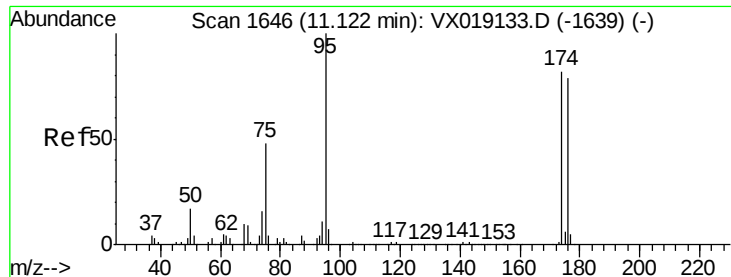
100000

50000

0

Time-->





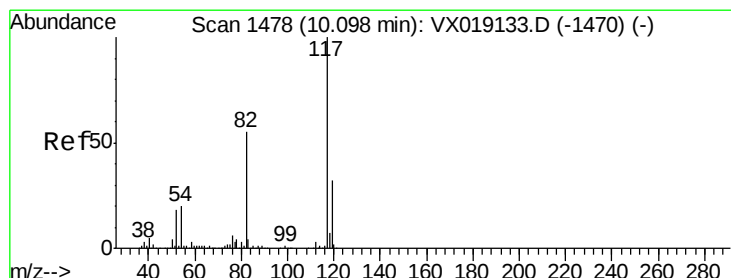
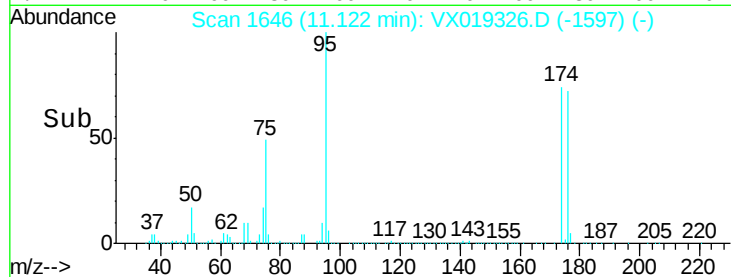
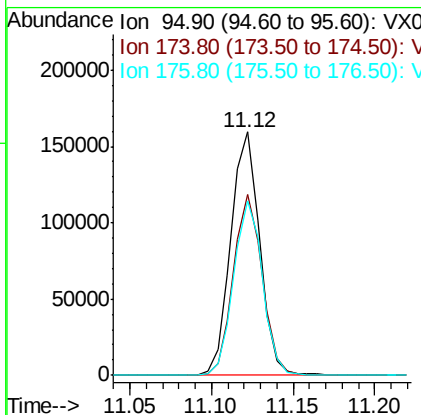
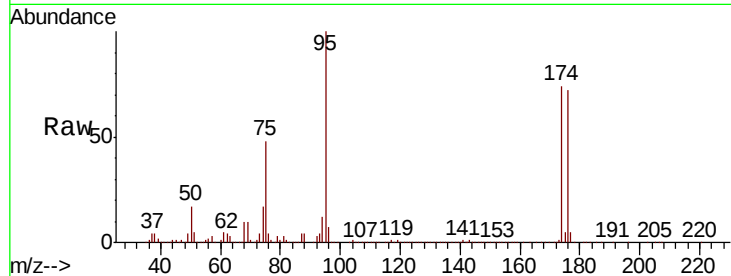
#62
4-Bromofluorobenzene
Concen: 50.320 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX019326.D
Acq: 05 Nov 2020 19:47

Instrument :
MSVOA_X
ClientSampleId :
FA2O-MMW3414MSD

Tot Ion	Ratio	Resp	Lower	Upper
95	100	194735		
174	74.6	0.0	156.0	
176	72.5	0.0	149.8	

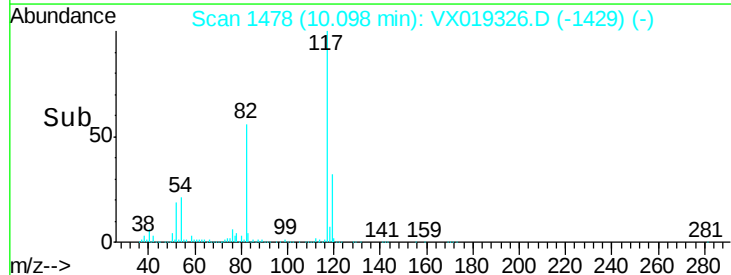
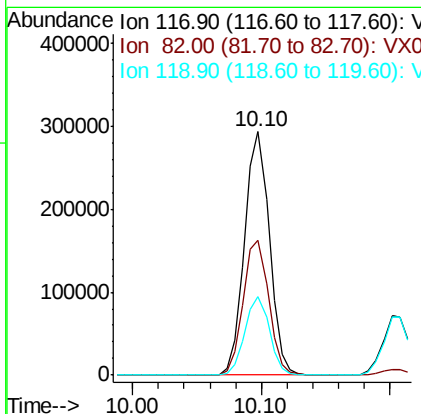
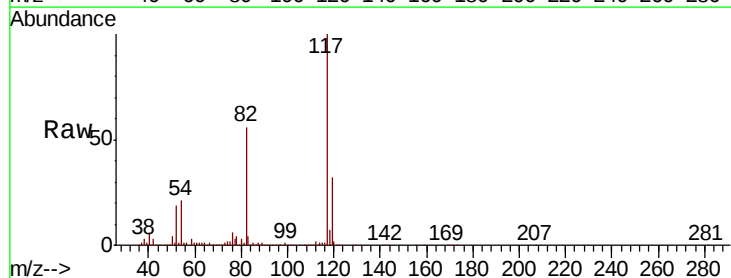
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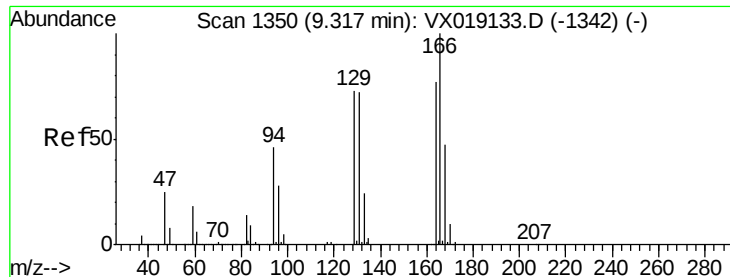
MMDadoda
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX019326.D
Acq: 05 Nov 2020 19:47

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	389952		
82	55.6	43.6	65.4	
119	32.1	25.5	38.3	





#64

Tetrachloroethene

Concen: 44.379 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.00 min

Lab File: VX019326.D

Acq: 05 Nov 2020 19:47

Instrument :

MSVOA_X

ClientSampleId :

FA2O-MMW3414MSD

Tot Ion:164 Resp: 131851

Ion Ratio Lower Upper

164 100

166 131.8 104.1 156.1

129 102.0 76.2 114.4

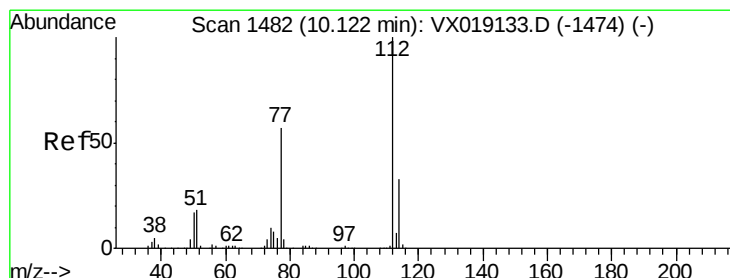
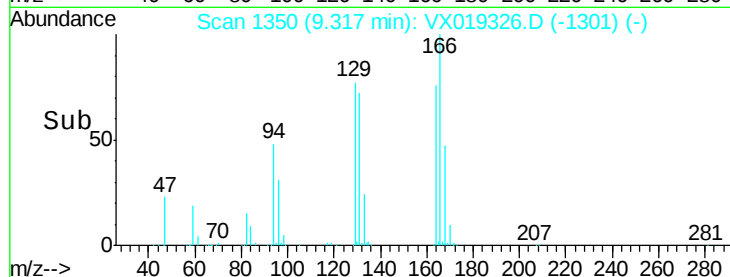
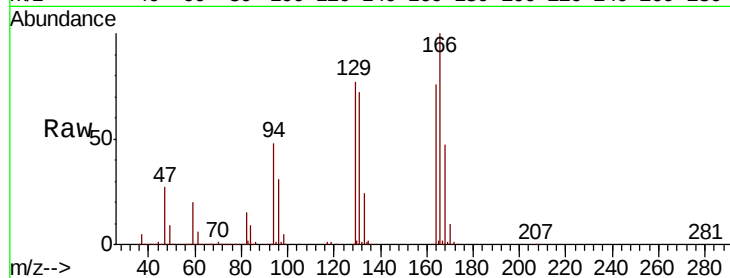
131 95.4 74.6 112.0

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#65

Chlorobenzene

Concen: 49.800 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VX019326.D

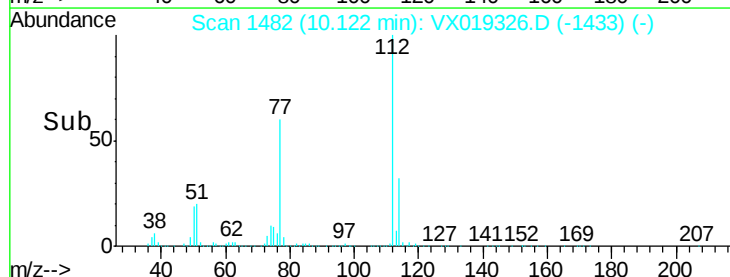
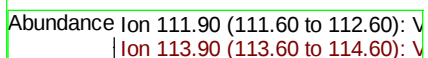
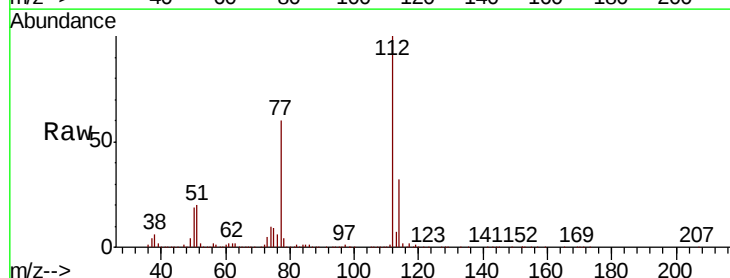
Acq: 05 Nov 2020 19:47

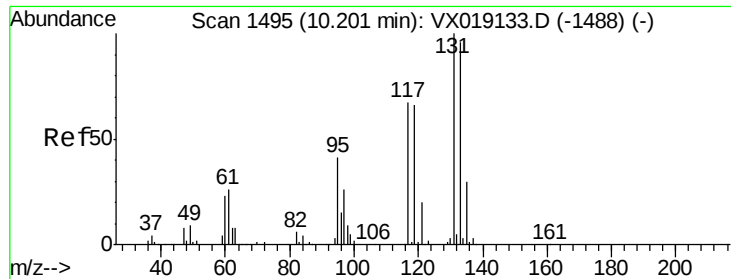
Tgt Ion:112 Resp: 396917

Ion Ratio Lower Upper

112 100

114 31.9 26.1 39.1





#66

1,1,1,2-Tetrachloroethane

Concen: 52.369 ug/l

RT: 10.21 min Scan# 1496

Delta R.T. 0.01 min

Lab File: VX019326.D

Acq: 05 Nov 2020 19:47

Instrument :

MSVOA_X

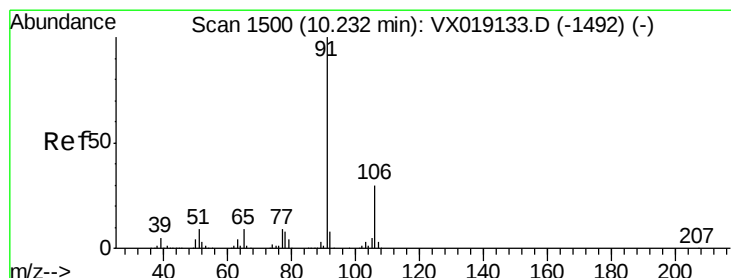
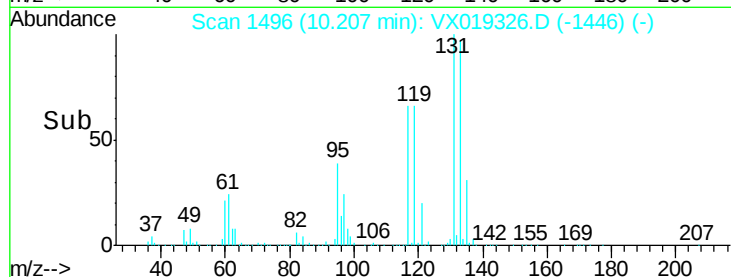
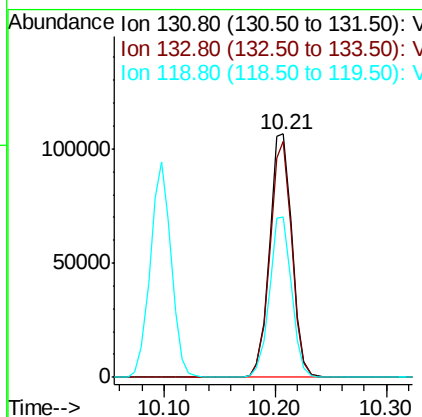
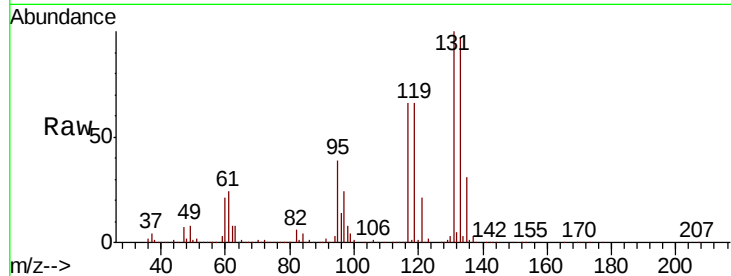
ClientSampleId :

FA2O-MMW3414MSD

Tot Ion:	131	Resp:	150262
Ion Ratio	Lower	Upper	
131	100		
133	94.3	47.3	141.8
119	64.6	32.3	96.9

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#67

Ethyl Benzene

Concen: 50.903 ug/l

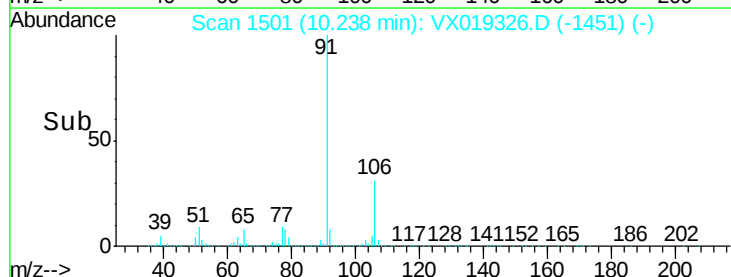
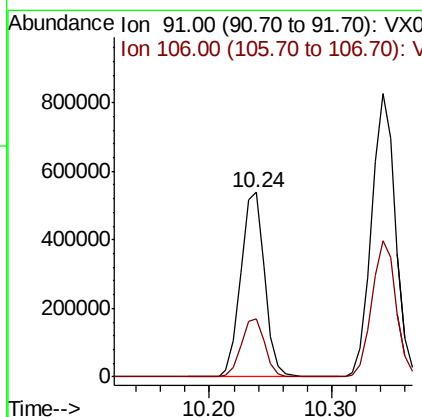
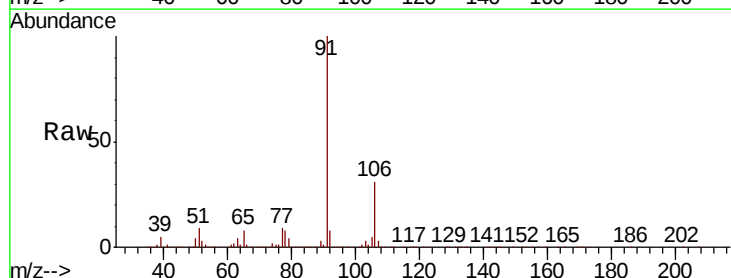
RT: 10.24 min Scan# 1501

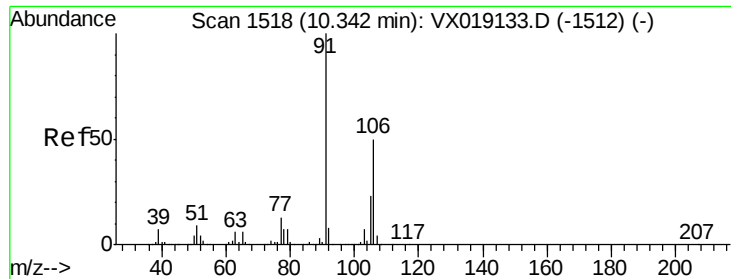
Delta R.T. 0.01 min

Lab File: VX019326.D

Acq: 05 Nov 2020 19:47

Tgt Ion:	91	Resp:	722936
Ion Ratio	Lower	Upper	
91	100		
106	31.2	24.3	36.5





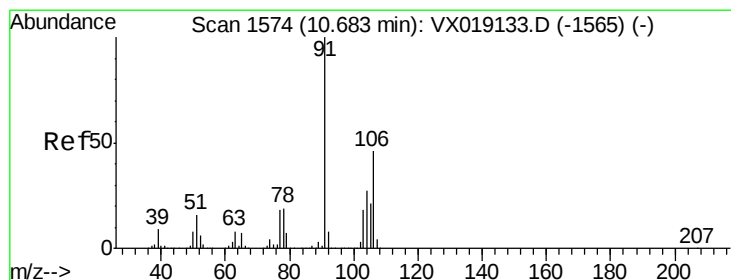
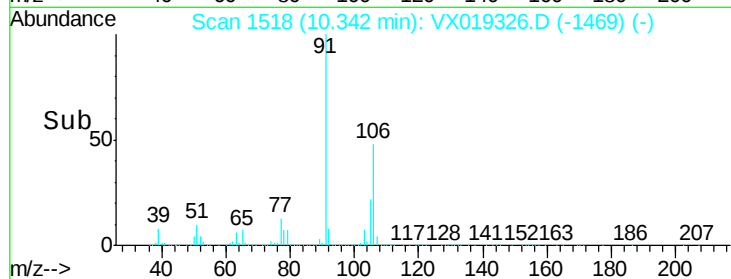
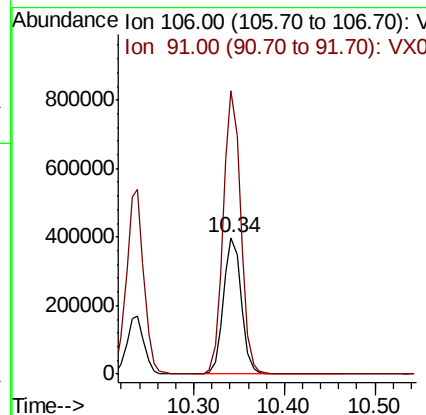
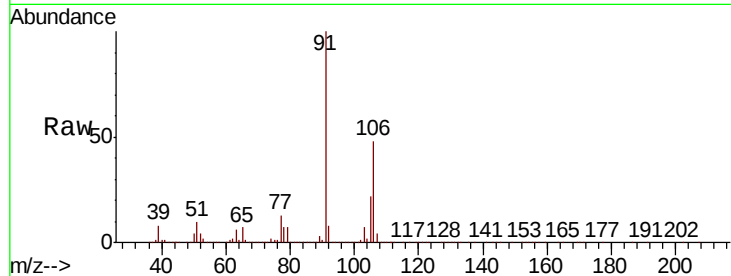
#68
m/p-Xvlenes
Concen: 102.241 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VX019326.D
Acq: 05 Nov 2020 19:47

Instrument :
MSVOA_X
ClientSampleId :
FA2O-MMW3414MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		544984		
91	205.4	161.0	241.4		

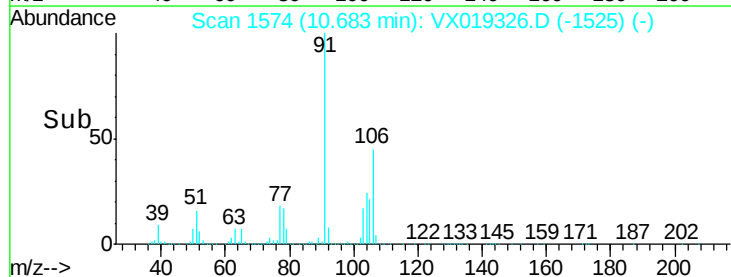
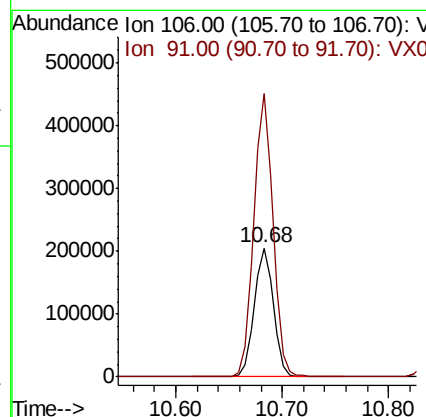
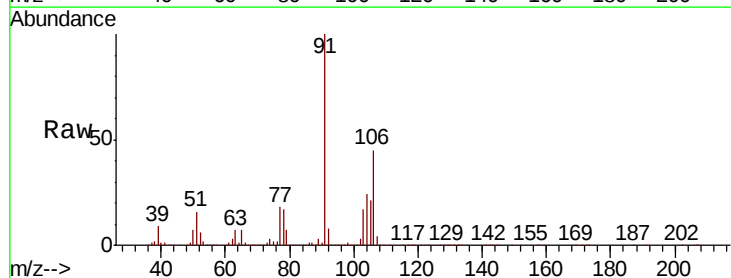
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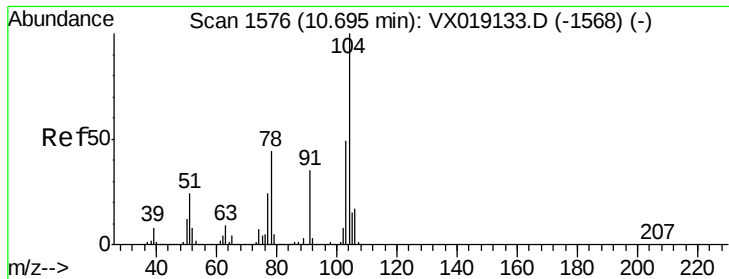
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#69
o-Xylene
Concen: 51.593 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX019326.D
Acq: 05 Nov 2020 19:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		260847		
91	218.0	108.3	324.8		





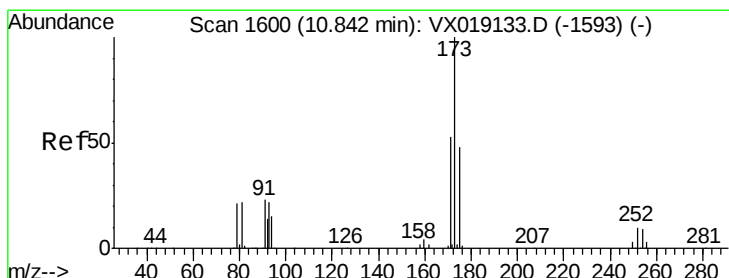
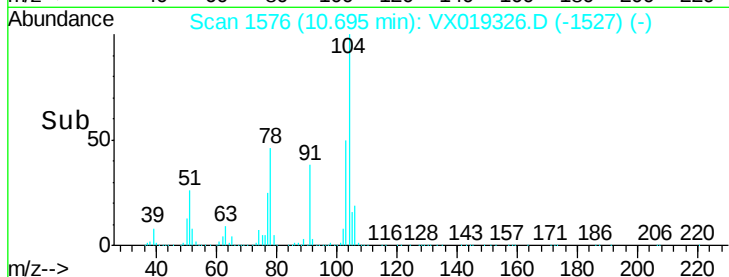
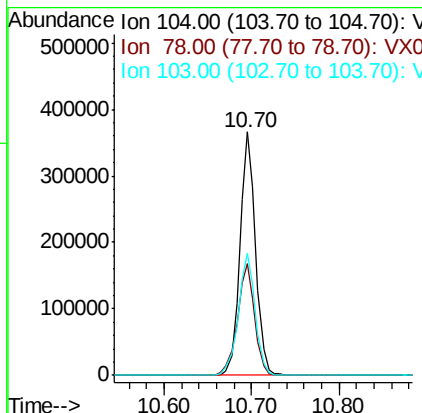
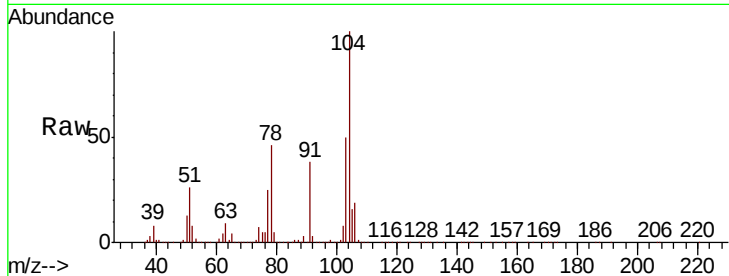
#70
Stvrene
Concen: 52.791 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX019326.D
Acq: 05 Nov 2020 19:47

Instrument :
MSVOA_X
ClientSampleId :
FA2O-MMW3414MSD

Tot Ion	Ratio	Resp	Lower	Upper
104	100	455397		
78	50.5		40.0	60.0
103	54.5		43.5	65.3

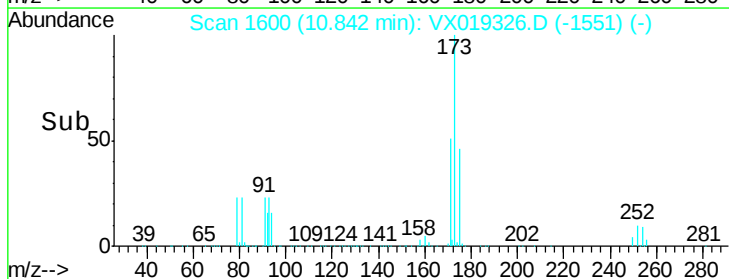
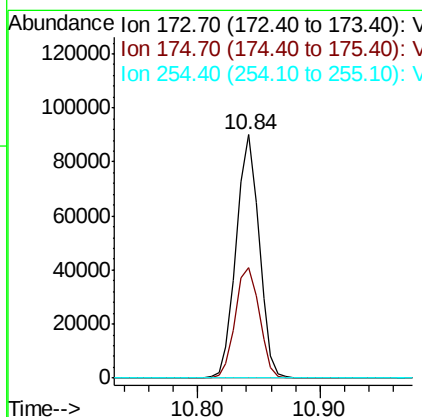
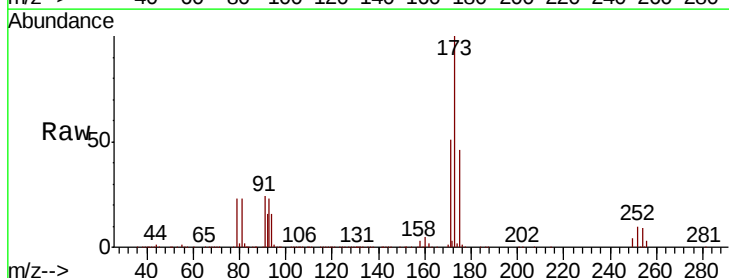
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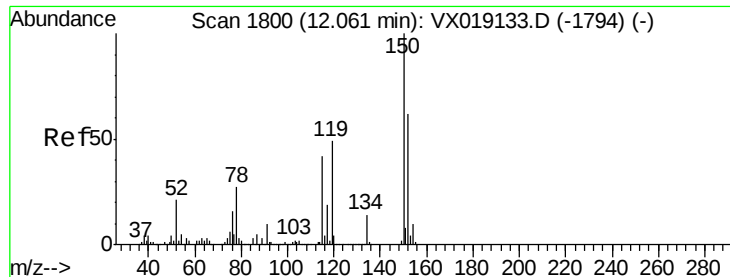
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#71
Bromoform
Concen: 51.185 ug/l
RT: 10.84 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VX019326.D
Acq: 05 Nov 2020 19:47

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	116444		
175	48.3		24.4	73.4
254	0.1		0.1	0.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX019326.D

Acq: 05 Nov 2020 19:47

Instrument :

MSVOA_X

ClientSampleId :

FA2O-MMW3414MSD

Tot Ion:152 Resp: 195857

Ion Ratio Lower Upper

152 100

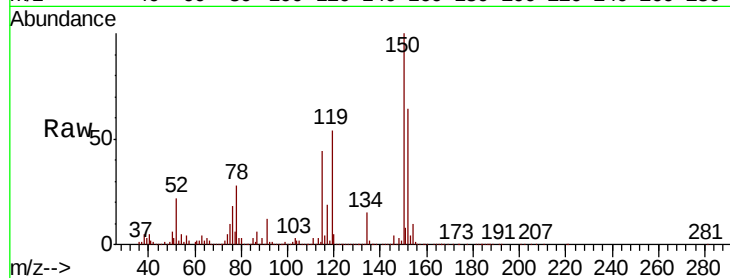
115 83.5 41.9 125.7

150 172.6 0.0 347.8

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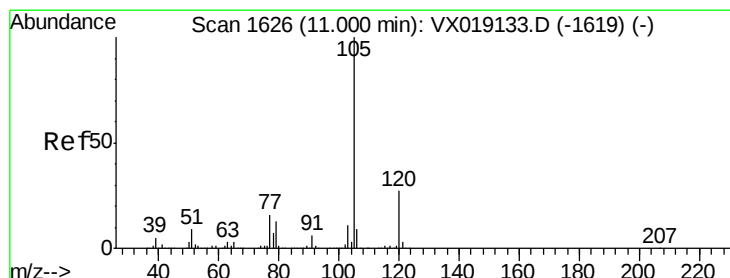
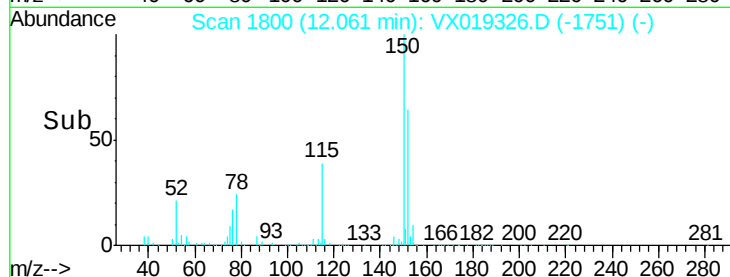
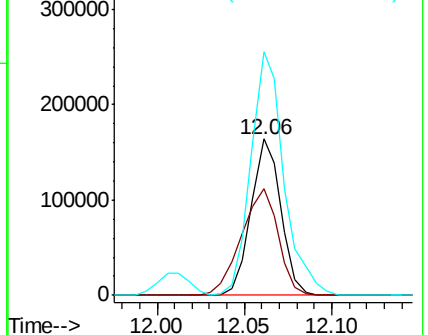
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Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 49.758 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX019326.D

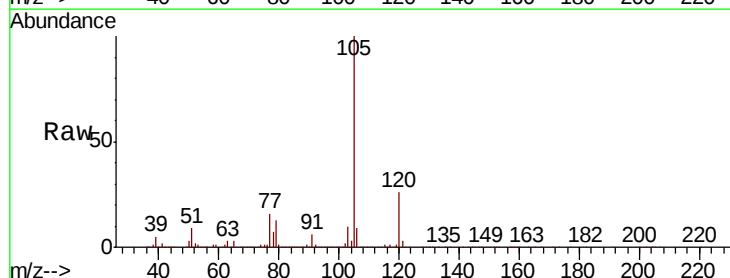
Acq: 05 Nov 2020 19:47

Tgt Ion:105 Resp: 689840

Ion Ratio Lower Upper

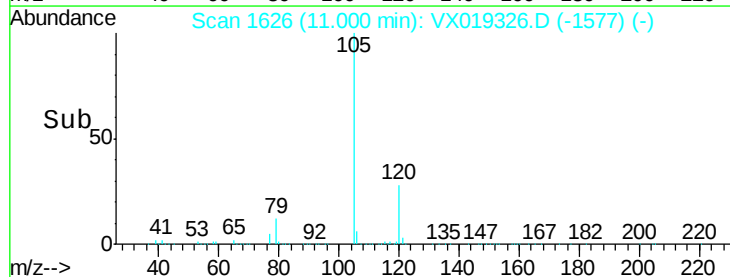
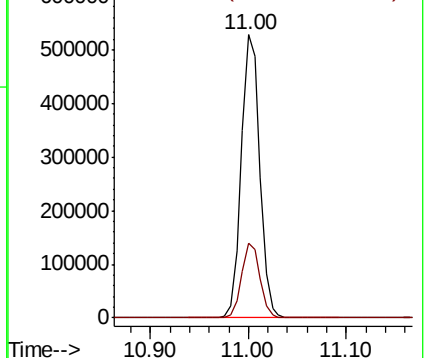
105 100

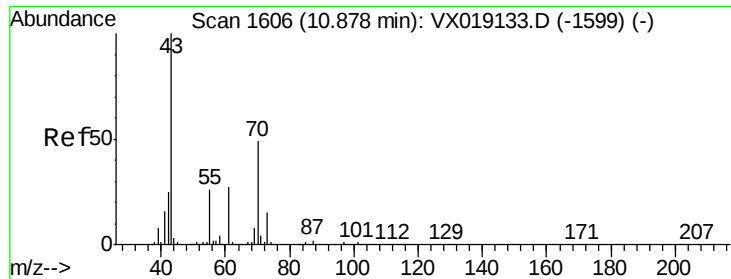
120 26.3 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 56.685 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. -0.00 min

Lab File: VX019326.D

Acq: 05 Nov 2020 19:47

Instrument :

MSVOA_X

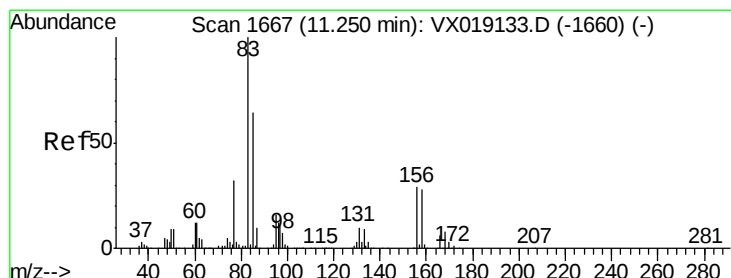
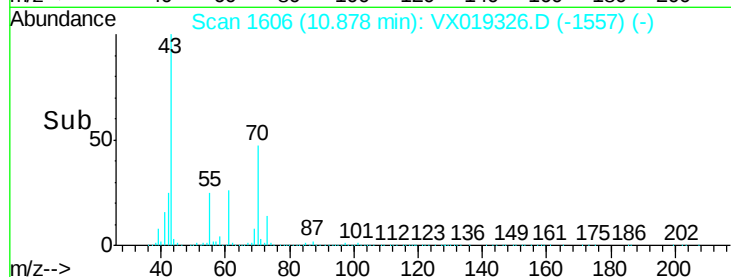
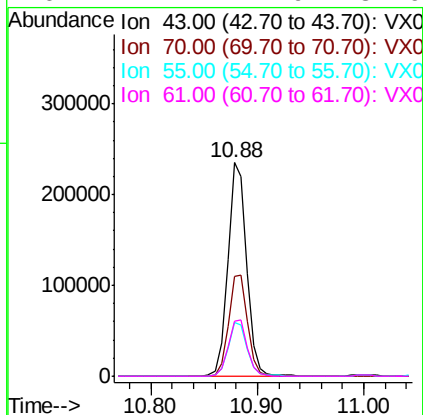
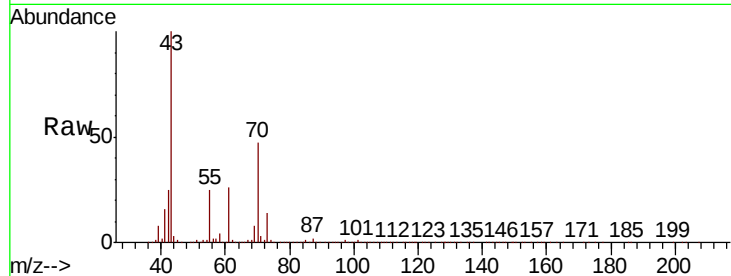
ClientSampleId :

FA2O-MMW3414MSD

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
70	48.2	39.6	59.4	
55	25.2	20.7	31.1	
61	27.1	21.9	32.9	

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#75

1,1,2,2-Tetrachloroethane

Concen: 56.035 ug/l

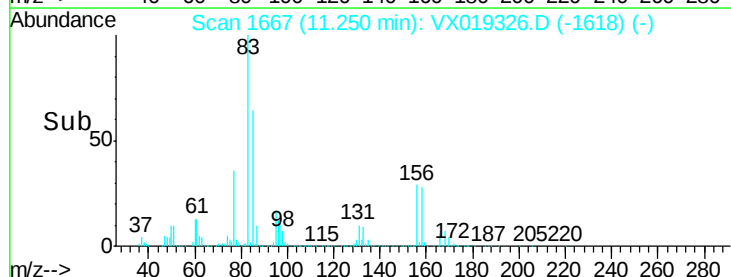
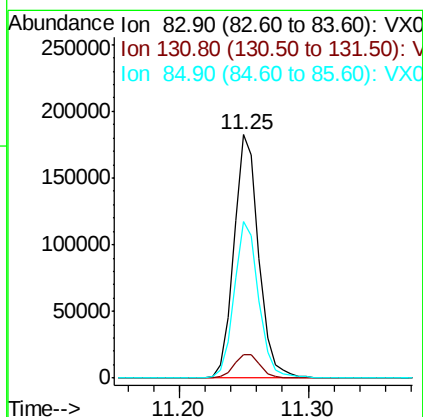
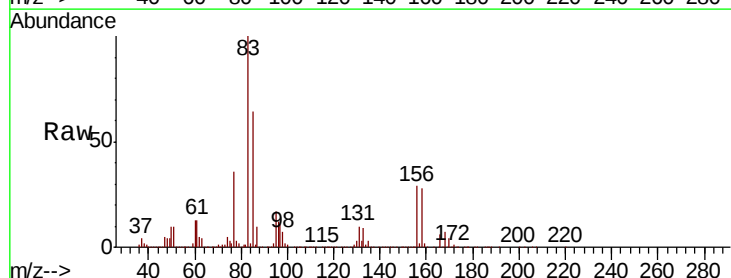
RT: 11.25 min Scan# 1667

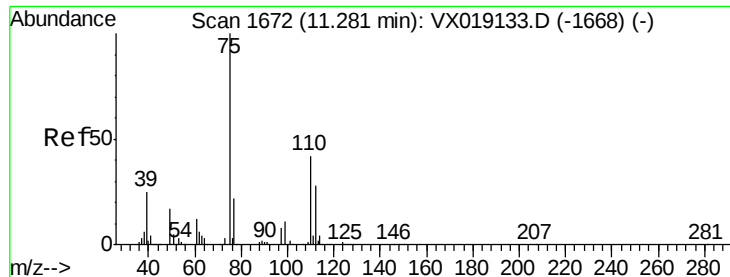
Delta R.T. -0.00 min

Lab File: VX019326.D

Acq: 05 Nov 2020 19:47

Tgt Ion	Ion	Ratio	Lower	Upper
83	100			
131	10.3	5.2	15.6	
85	64.2	32.1	96.3	





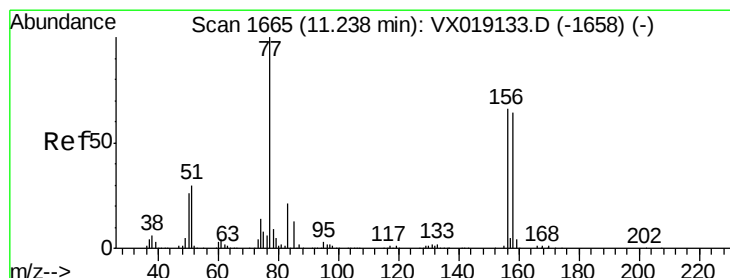
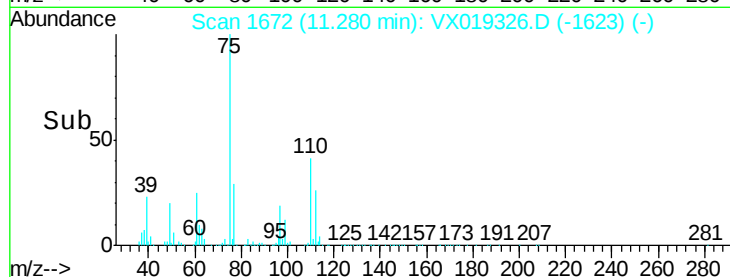
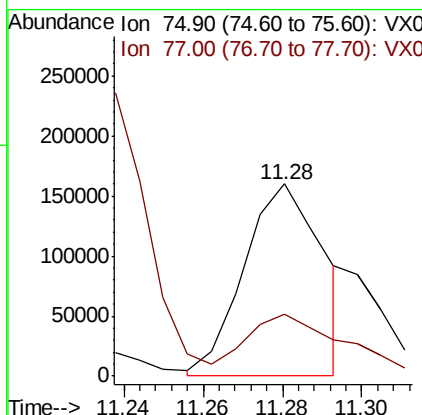
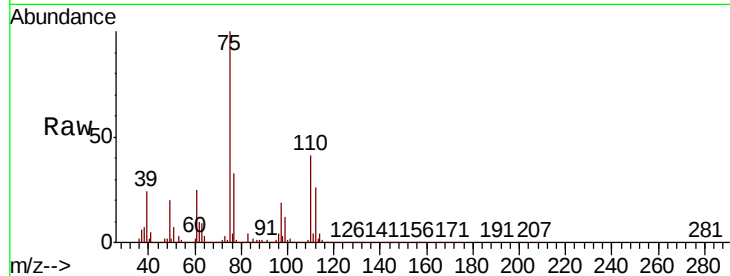
#76
1,2,3-Trichloropropane
Concen: 54.378 ug/l m
RT: 11.28 min Scan# 1672
Delta R.T. -0.00 min
Lab File: VX019326.D
Acq: 05 Nov 2020 19:47

Instrument :
MSVOA_X
ClientSampleId :
FA2O-MMW3414MSD

Tot Ion: 75 Resp: 219907
Ion Ratio Lower Upper
75 100
77 40.4 20.3 60.9

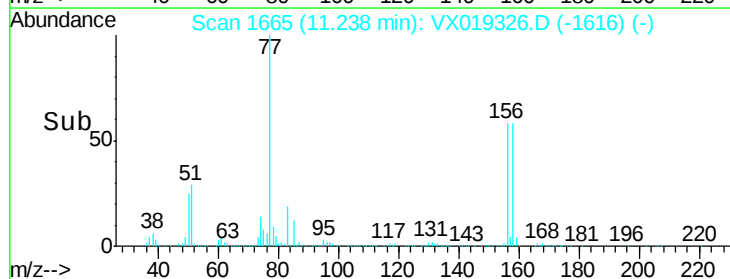
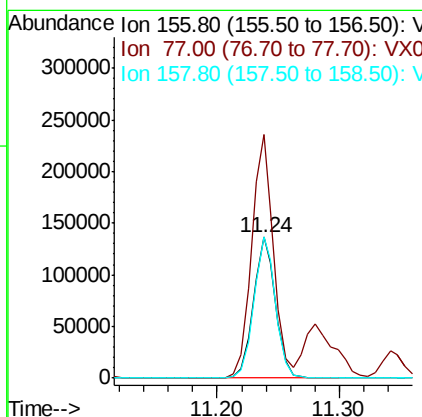
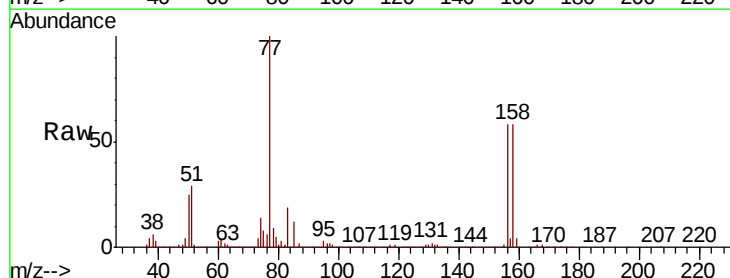
Manual Integrations
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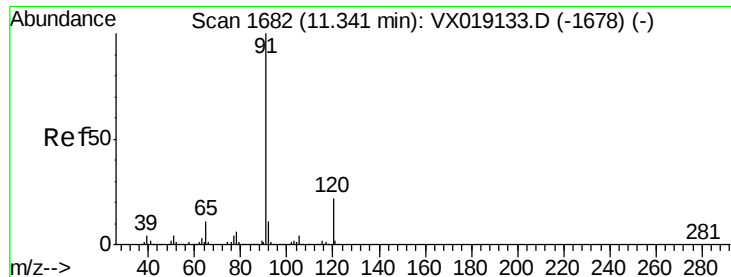
MMDadoda
11/6/2020 9:23:25 AM



#77
Bromobenzene
Concen: 49.807 ug/l
RT: 11.24 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VX019326.D
Acq: 05 Nov 2020 19:47

Tgt Ion: 156 Resp: 171375
Ion Ratio Lower Upper
156 100
77 169.9 77.7 233.1
158 98.6 48.3 144.8





#78

n-propylbenzene

Concen: 50.166 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VX019326.D

Acq: 05 Nov 2020 19:47

Instrument :

MSVOA_X

ClientSampleId :

FA2O-MMW3414MSD

Tot Ion: 91 Resp: 793930

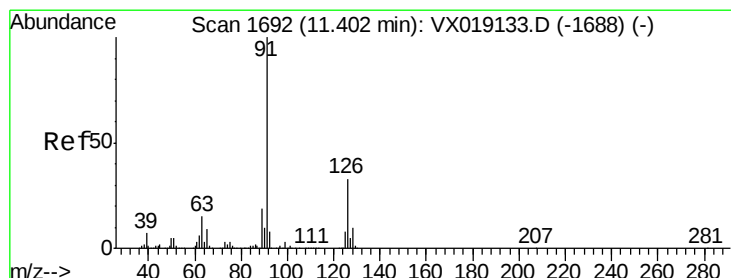
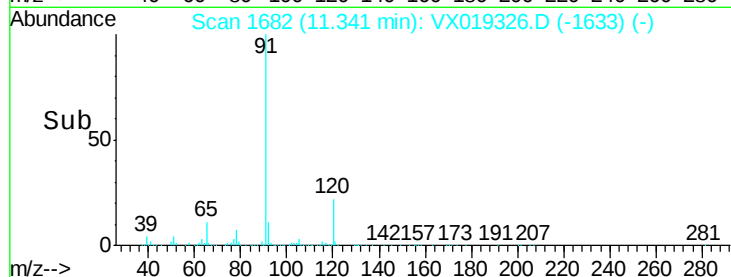
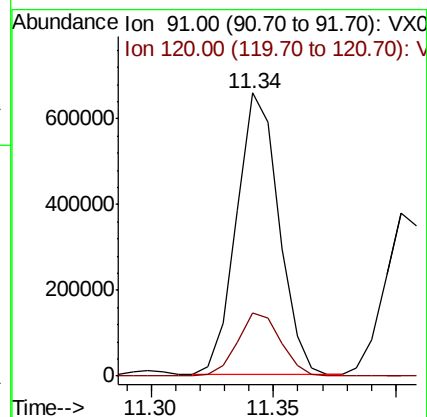
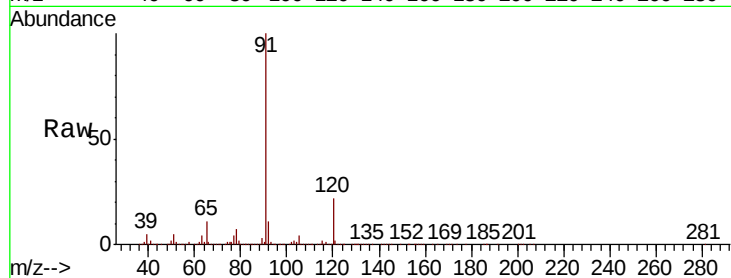
Ion Ratio Lower Upper

91 100

120 22.9 11.7 35.0

Manual Integrations
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#79

2-Chlorotoluene

Concen: 51.747 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VX019326.D

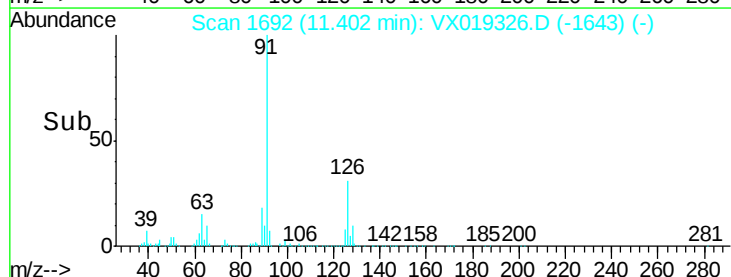
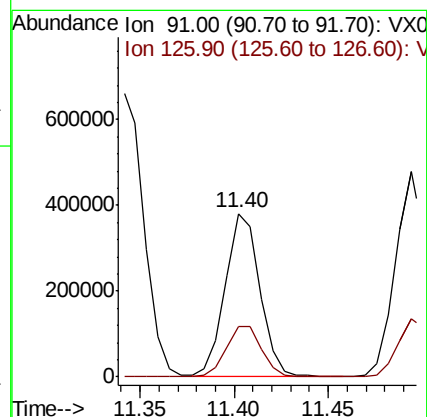
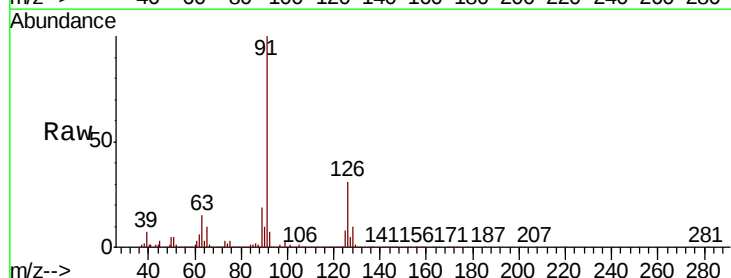
Acq: 05 Nov 2020 19:47

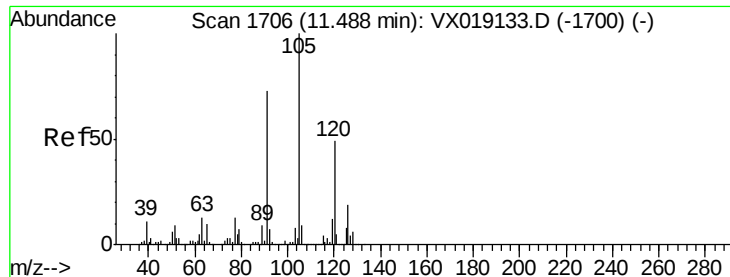
Tgt Ion: 91 Resp: 482141

Ion Ratio Lower Upper

91 100

126 32.2 16.9 50.7





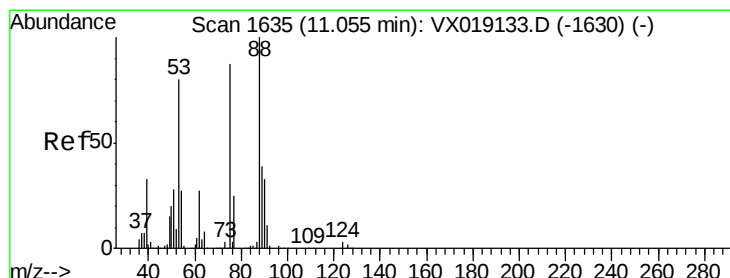
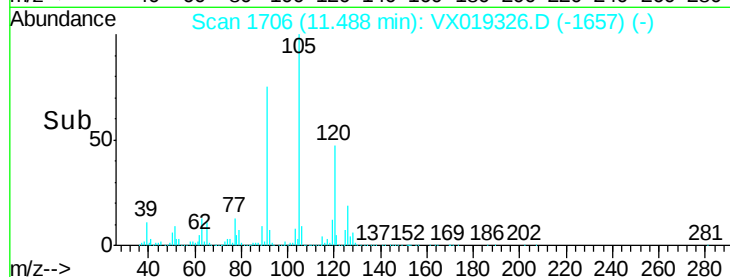
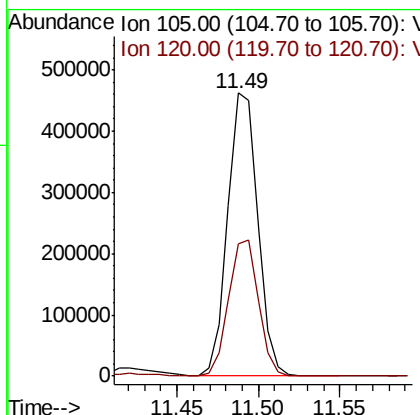
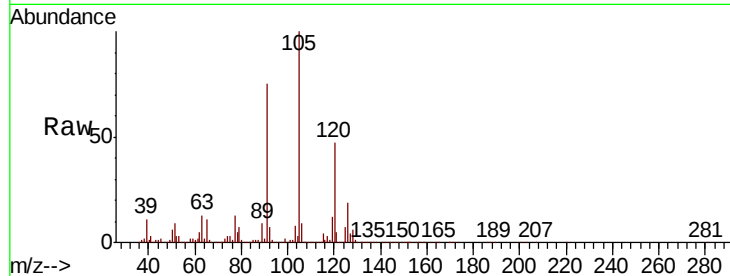
#80
 1,3,5-Trimethylbenzene
 Concen: 50.543 ug/l
 RT: 11.49 min Scan# 1706
 Delta R.T. -0.00 min
 Lab File: VX019326.D
 Acq: 05 Nov 2020 19:47

Instrument :
 MSVOA_X
 ClientSampleId :
 FA2O-MMW3414MSD

Tot Ion	Ratio	Lower	Upper
105	100		
120	47.9	24.3	72.8

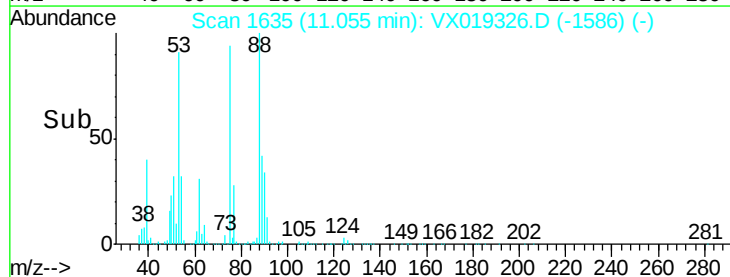
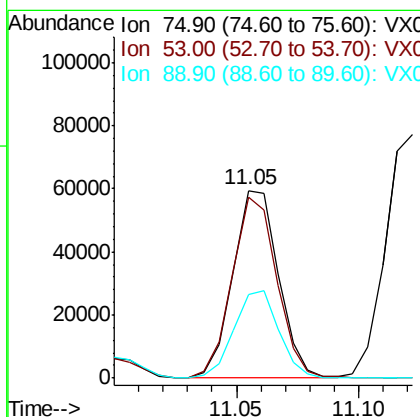
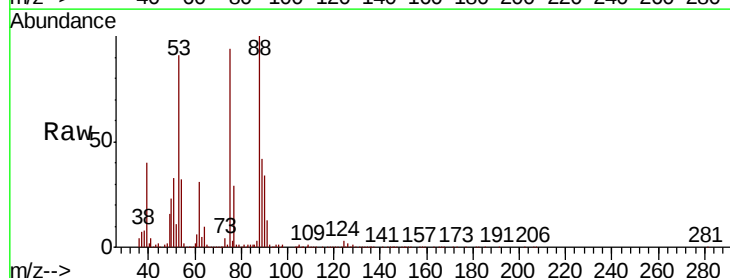
Manual Integrations
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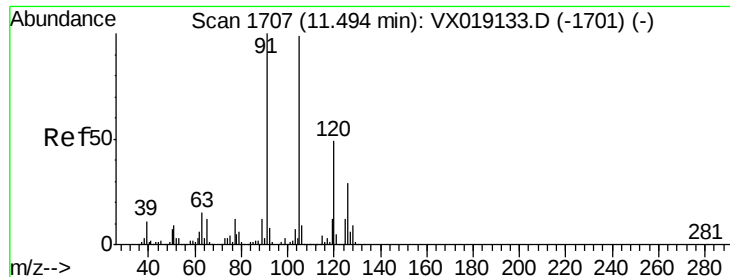
MMDadoda
 11/6/2020 9:23:25 AM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 50.004 ug/l
 RT: 11.05 min Scan# 1635
 Delta R.T. -0.00 min
 Lab File: VX019326.D
 Acq: 05 Nov 2020 19:47

Tgt Ion	Ratio	Lower	Upper
75	100		
53	94.5	73.3	109.9
89	46.3	38.2	57.2





#82

4-Chlorotoluene

Concen: 50.304 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX019326.D

Acq: 05 Nov 2020 19:47

Instrument :

MSVOA_X

ClientSampleId :

FA2O-MMW3414MSD

Tot Ion: 91 Resp: 572353

Ion Ratio Lower Upper

91 100

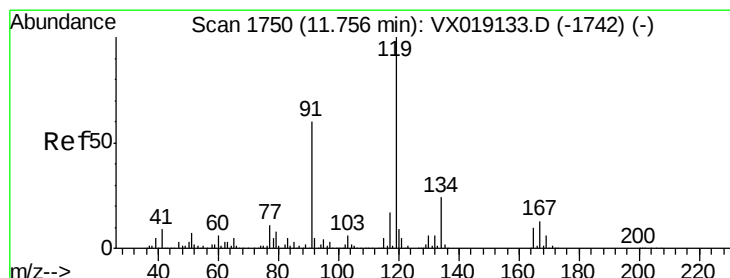
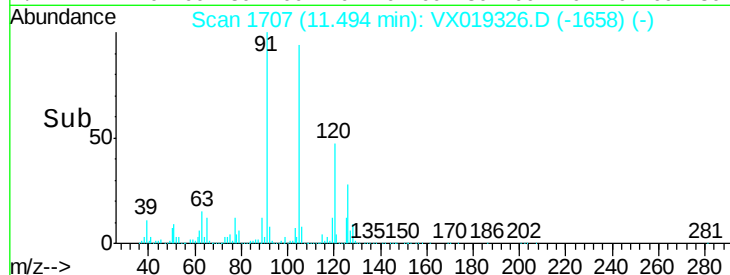
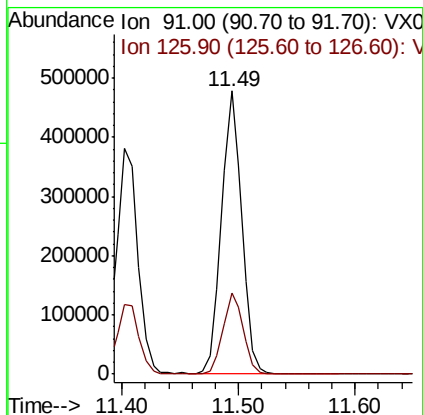
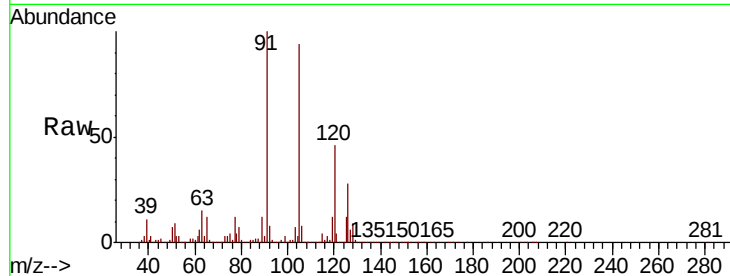
126 28.7 14.8 44.4

Manual Integrations

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#83

tert-Butylbenzene

Concen: 49.899 ug/l

RT: 11.76 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX019326.D

Acq: 05 Nov 2020 19:47

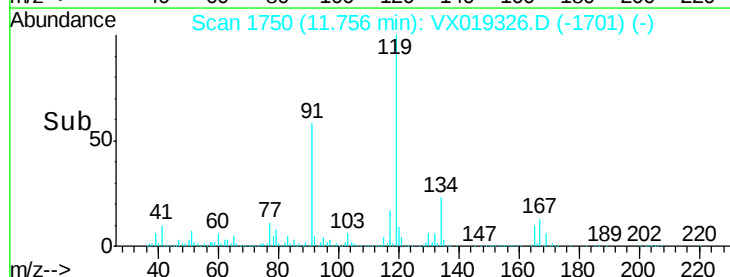
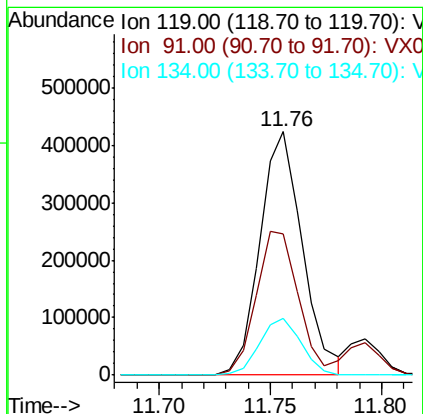
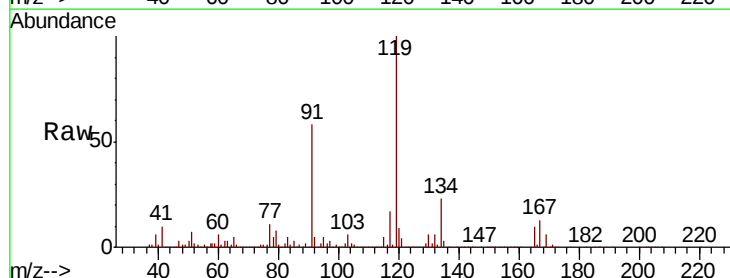
Tgt Ion: 119 Resp: 559579

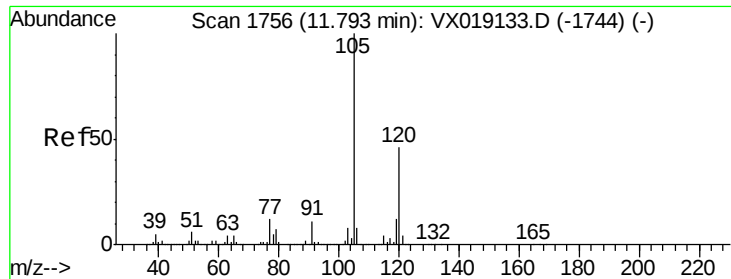
Ion Ratio Lower Upper

119 100

91 58.6 29.0 87.1

134 22.9 11.7 35.0





#84

1,2,4-Trimethylbenzene

Concen: 53.422 ug/l

RT: 11.79 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VX019326.D

Acq: 05 Nov 2020 19:47

Instrument :

MSVOA_X

ClientSampleId :

FA2O-MMW3414MSD

Tot Ion:105 Resp: 631664

Ion Ratio Lower Upper

105 100

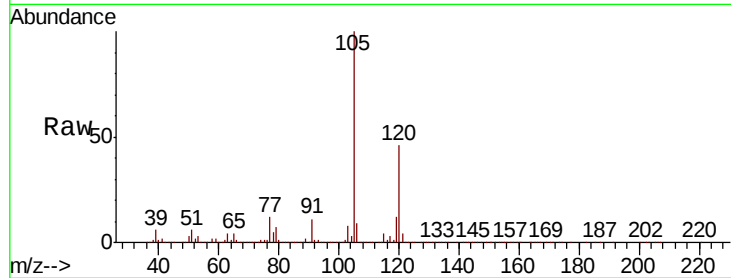
120 44.6 22.4 67.3

Manual Integrations

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11/6/2020 9:23:25 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

600000

500000

400000

300000

200000

100000

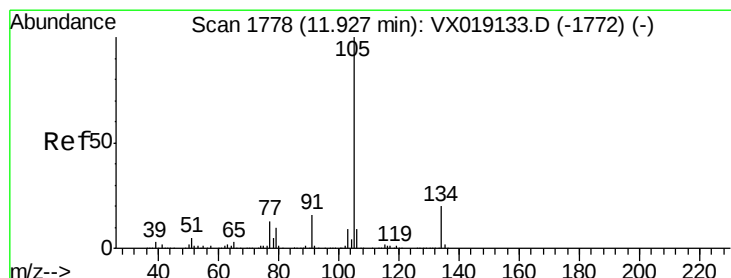
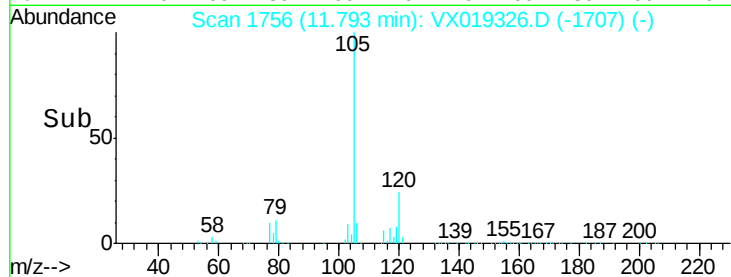
0

11.79

11.70

11.80

Time-->



#85

sec-Butylbenzene

Concen: 49.069 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. 0.01 min

Lab File: VX019326.D

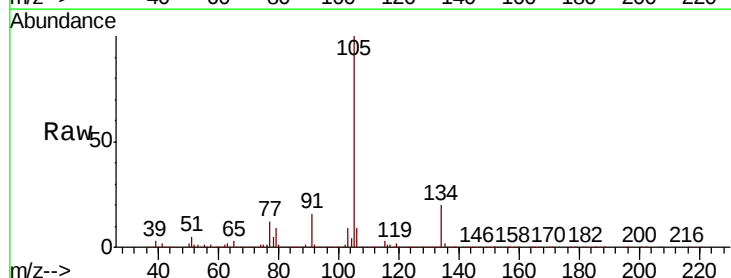
Acq: 05 Nov 2020 19:47

Tgt Ion:105 Resp: 659984

Ion Ratio Lower Upper

105 100

134 19.6 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

600000

500000

400000

300000

200000

100000

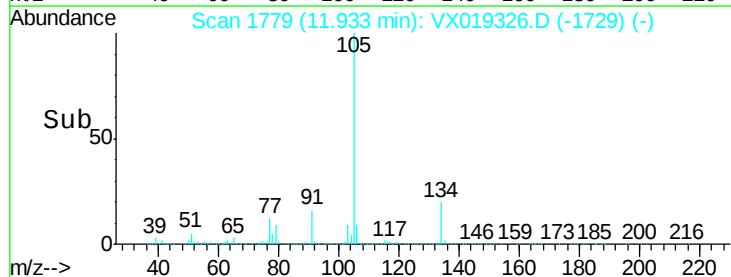
0

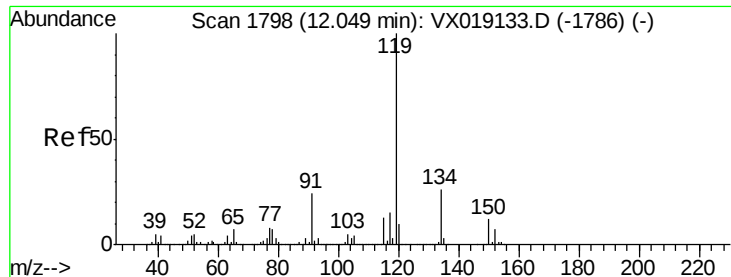
11.93

11.90

12.00

Time-->





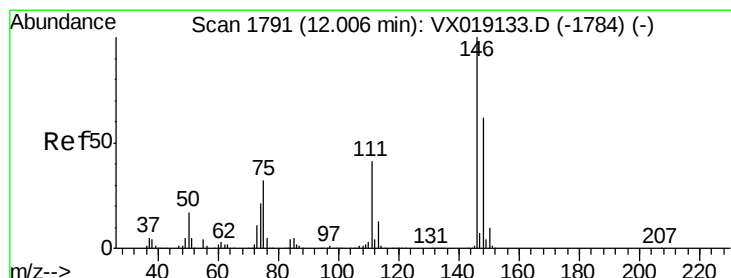
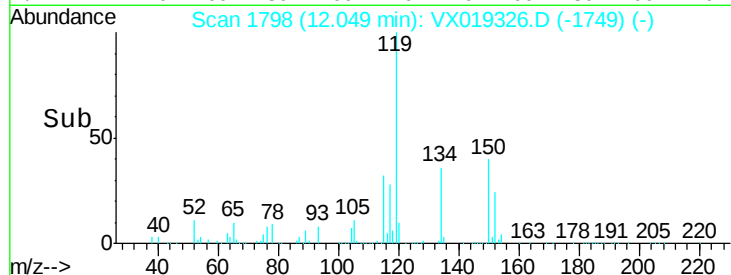
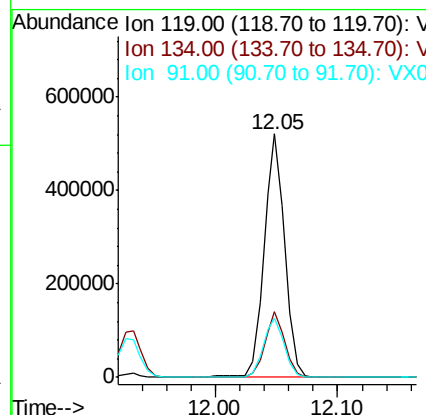
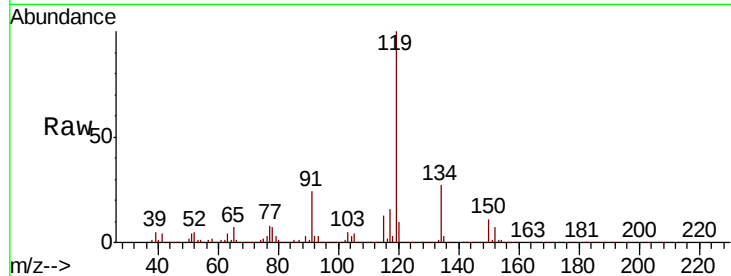
#86
p-Isopropyltoluene
Concen: 49.142 ug/l
RT: 12.05 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VX019326.D
Acq: 05 Nov 2020 19:47

Instrument :
MSVOA_X
ClientSampleId :
FA2O-MMW3414MSD

Tot Ion	Ratio	Resp	Lower	Upper
119	100	610061		
134	25.8	12.9	38.7	
91	24.7	12.0	36.0	

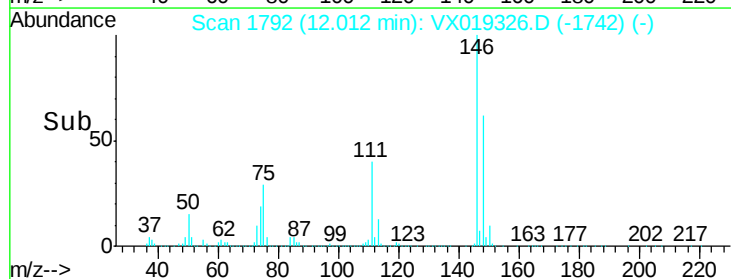
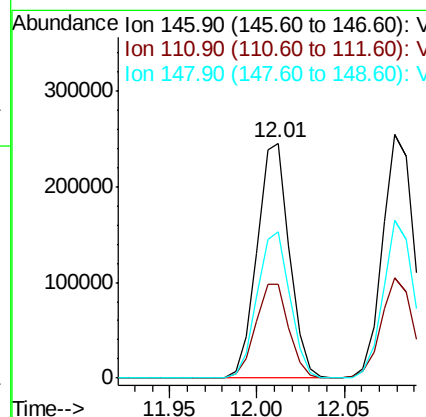
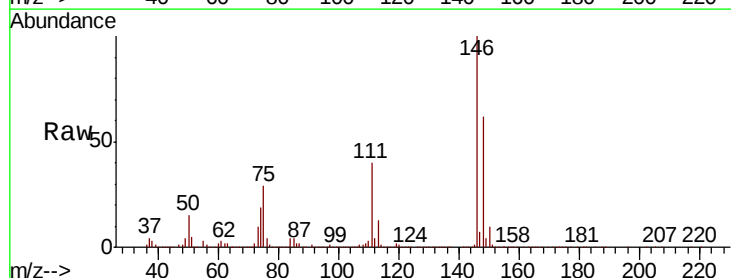
Manual Integrations
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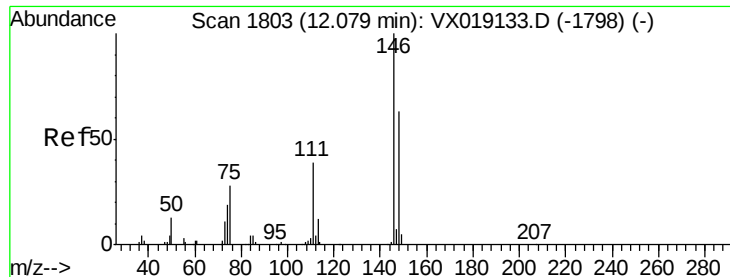
MMDadoda
11/6/2020 9:23:25 AM



#87
1,3-Dichlorobenzene
Concen: 49.183 ug/l
RT: 12.01 min Scan# 1792
Delta R.T. 0.01 min
Lab File: VX019326.D
Acq: 05 Nov 2020 19:47

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	315152		
111	41.3	20.4	61.2	
148	63.1	31.6	94.8	





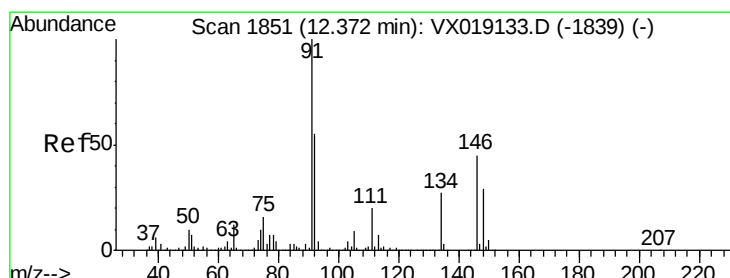
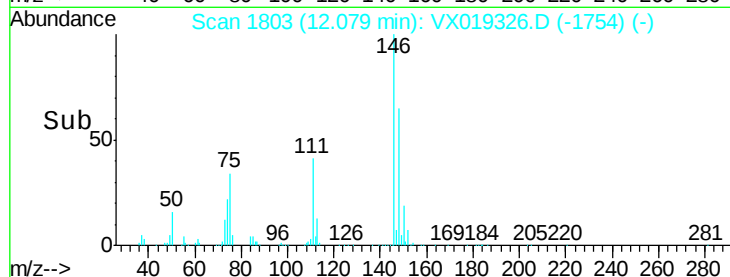
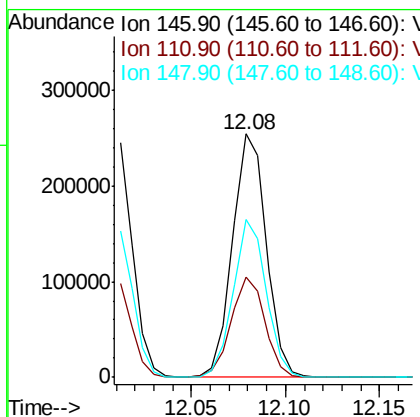
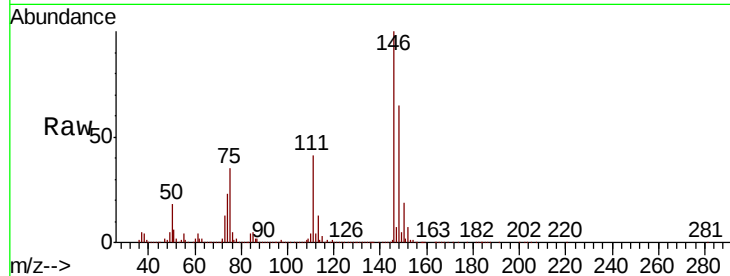
#88
 1,4-Dichlorobenzene
 Concen: 47.350 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VX019326.D
 Acq: 05 Nov 2020 19:47

Instrument :
 MSVOA_X
 ClientSampleId :
 FA2O-MMW3414MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.2	60.5
148	63.7	31.3	93.8

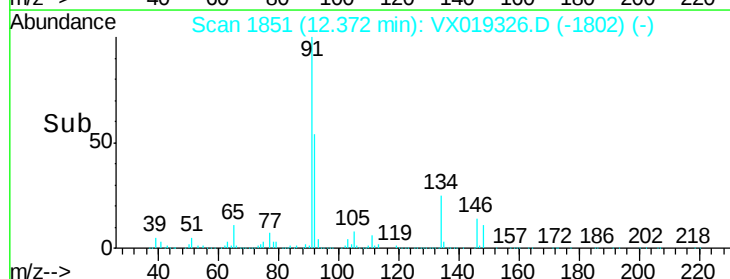
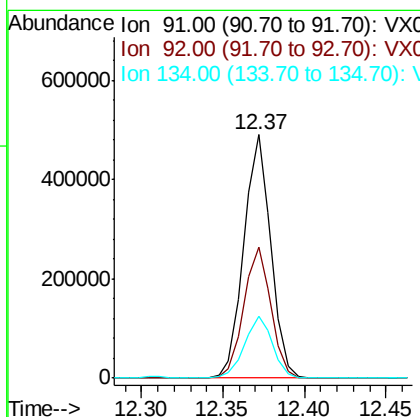
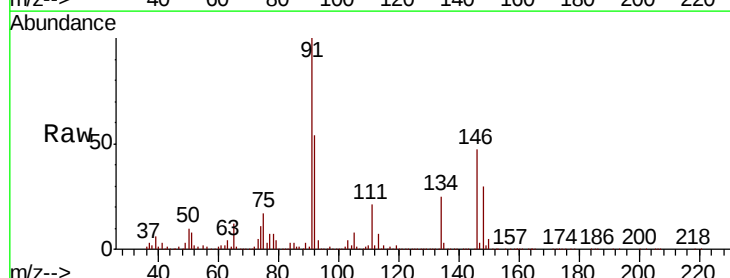
Manual Integrations
 APPROVED

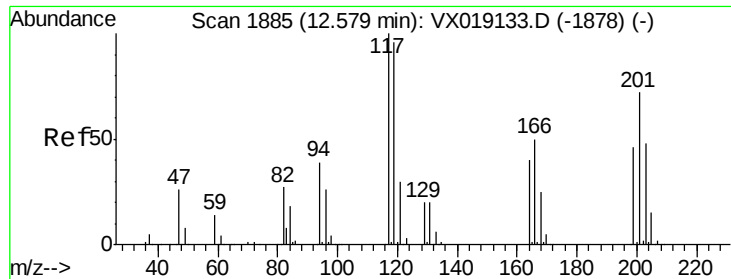
MMDadoda
 11/6/2020 9:23:25 AM



#89
 n-Butylbenzene
 Concen: 48.519 ug/l
 RT: 12.37 min Scan# 1851
 Delta R.T. -0.00 min
 Lab File: VX019326.D
 Acq: 05 Nov 2020 19:47

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.9	27.5	82.4
134	26.5	13.2	39.6





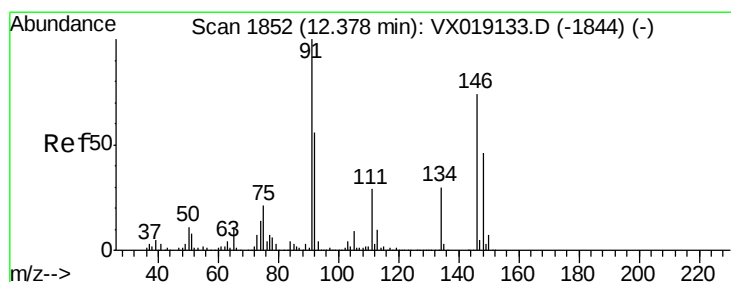
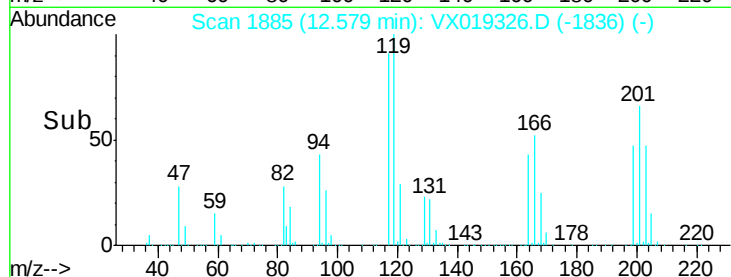
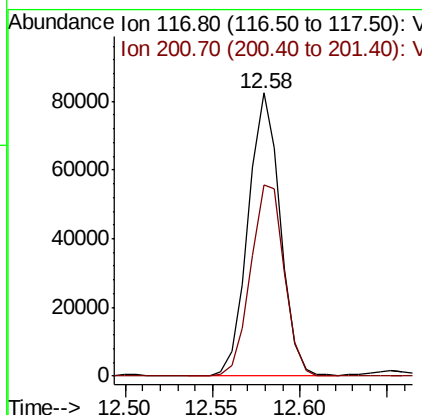
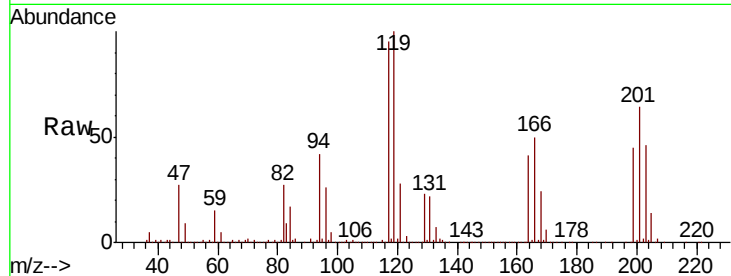
#90
Hexachloroethane
Concen: 49.672 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX019326.D
Acq: 05 Nov 2020 19:47

Instrument :
MSVOA_X
ClientSampleId :
FA2O-MMW3414MSD

Tot Ion:117 Resp: 104814
Ion Ratio Lower Upper
117 100
201 71.5 38.5 115.3

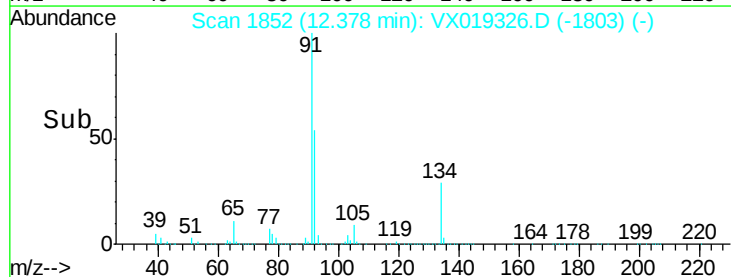
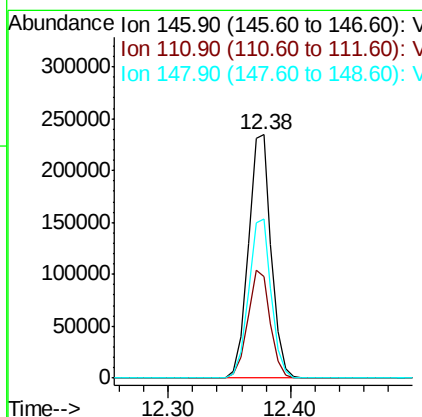
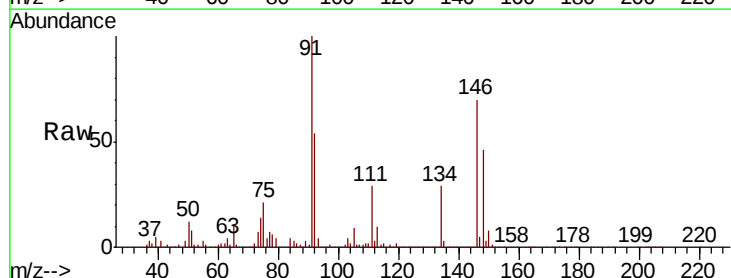
Manual Integrations
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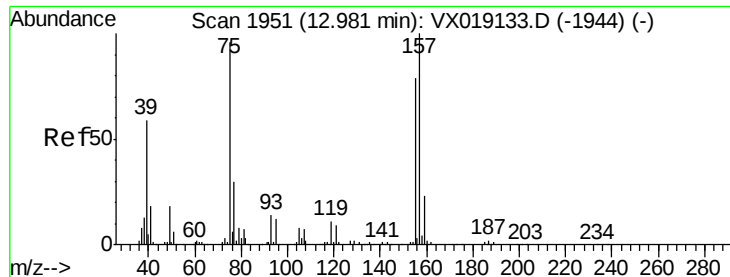
MMDadoda
11/6/2020 9:23:25 AM



#91
1,2-Dichlorobenzene
Concen: 49.248 ug/l
RT: 12.38 min Scan# 1852
Delta R.T. -0.00 min
Lab File: VX019326.D
Acq: 05 Nov 2020 19:47

Tgt Ion:146 Resp: 303015
Ion Ratio Lower Upper
146 100
111 43.4 21.2 63.6
148 64.9 31.6 94.7





#92

1,2-Dibromo-3-Chloropropane

Concen: 54.604 ug/l

RT: 12.98 min Scan# 1951

Delta R.T. -0.00 min

Lab File: VX019326.D

Acq: 05 Nov 2020 19:47

Instrument :

MSVOA_X

ClientSampleId :

FA2O-MMW3414MSD

Tot Ion: 75 Resp: 57917

Ion Ratio Lower Upper

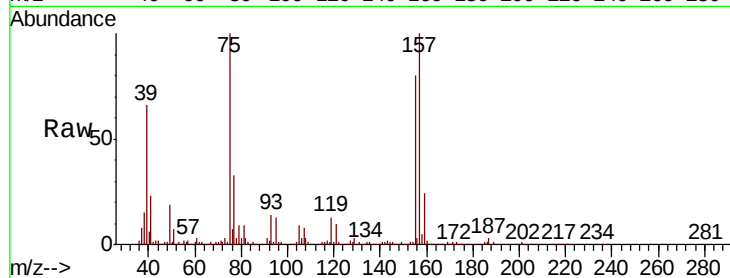
75 100

155 83.0 42.8 128.4

157 104.3 54.8 164.4

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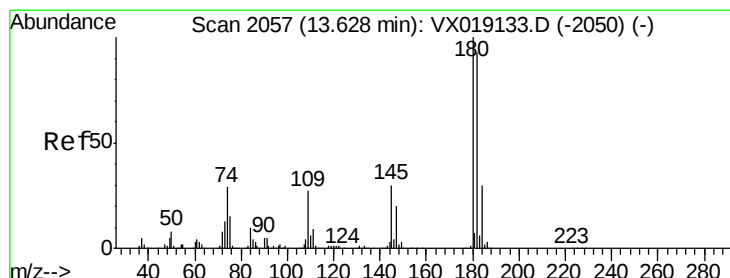
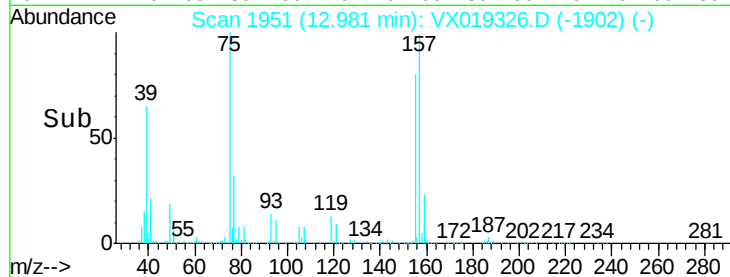
Abundance Ion 74.90 (74.60 to 75.60): VX019133.D (-1944) (-)

Ion 154.80 (154.50 to 155.50): VX019133.D (-1944) (-)

Ion 156.80 (156.50 to 157.50): VX019133.D (-1944) (-)

12.98

Time--> 12.90 12.95 13.00 13.05



#93

1,2,4-Trichlorobenzene

Concen: 43.604 ug/l

RT: 13.63 min Scan# 2057

Delta R.T. -0.00 min

Lab File: VX019326.D

Acq: 05 Nov 2020 19:47

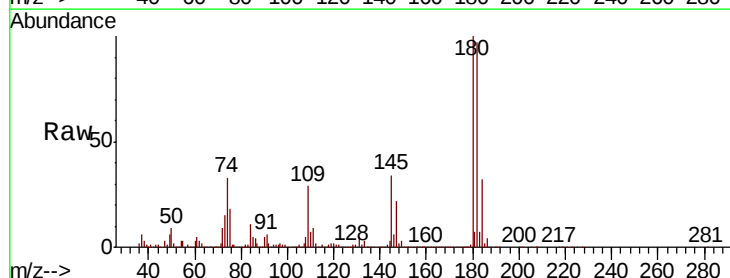
Tgt Ion: 180 Resp: 201522

Ion Ratio Lower Upper

180 100

182 97.4 46.8 140.3

145 33.5 15.5 46.5



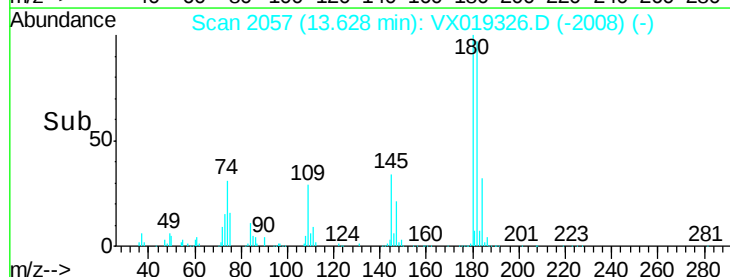
Abundance Ion 179.80 (179.50 to 180.50): VX019133.D (-2050) (-)

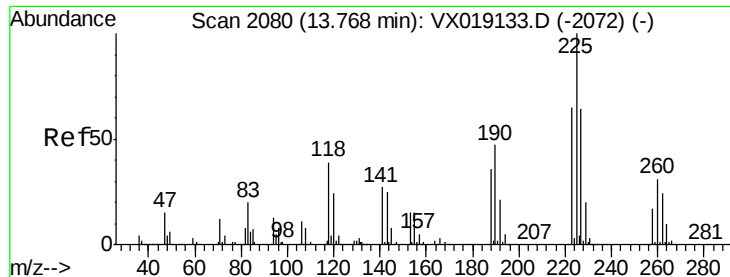
Ion 181.80 (181.50 to 182.50): VX019133.D (-2050) (-)

Ion 144.80 (144.50 to 145.50): VX019133.D (-2050) (-)

13.63

Time--> 13.60 13.70





#94

Hexachlorobutadiene

Concen: 37.729 ug/l

RT: 13.77 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX019326.D

Acq: 05 Nov 2020 19:47

Instrument :

MSVOA_X

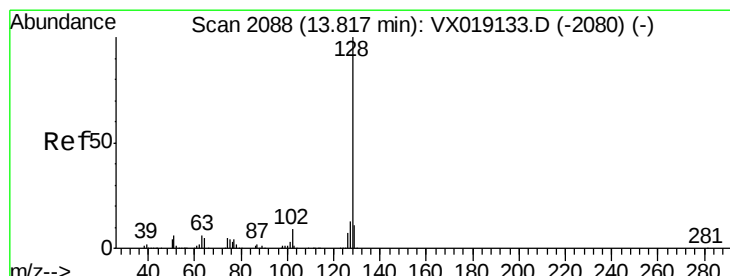
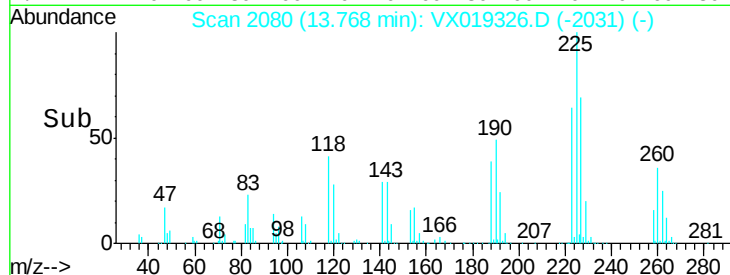
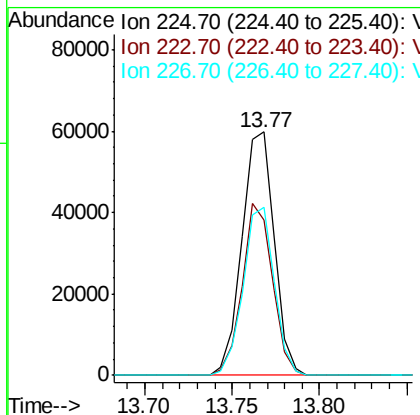
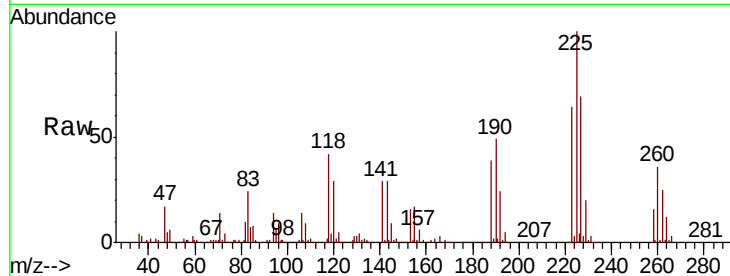
ClientSampleId :

FA2O-MMW3414MSD

Tot Ion:	225	Resp:	76758
Ion Ratio	Lower	Upper	
225	100		
223	66.3	32.4	97.2
227	66.6	31.6	94.7

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#95

Naphthalene

Concen: 51.362 ug/l

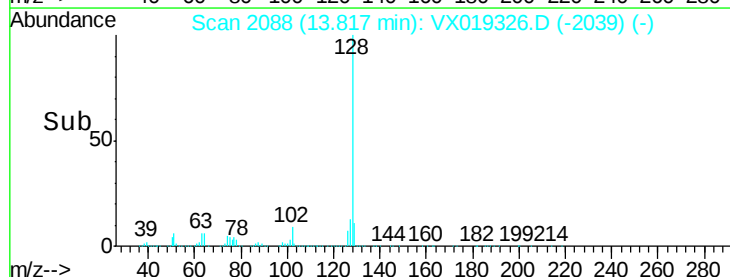
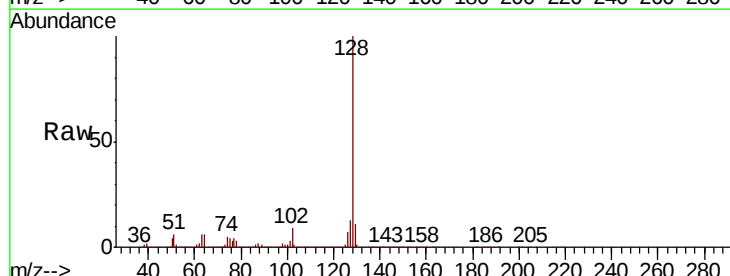
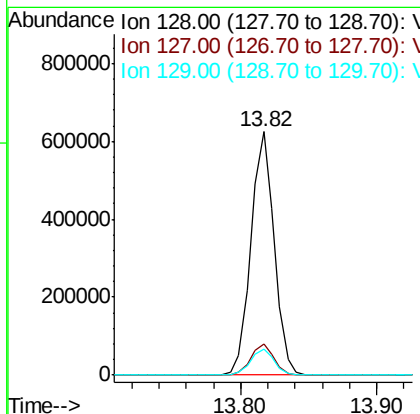
RT: 13.82 min Scan# 2088

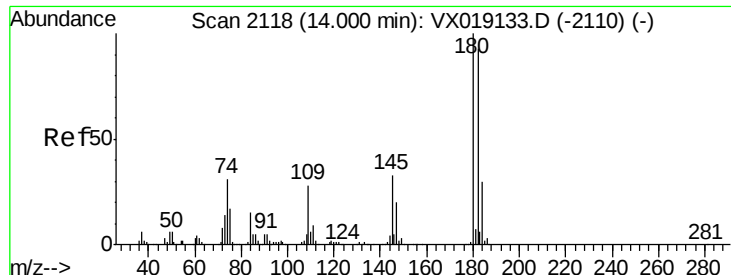
Delta R.T. -0.00 min

Lab File: VX019326.D

Acq: 05 Nov 2020 19:47

Tgt Ion:	128	Resp:	747615
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.3	15.5
129	10.9	8.6	13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 46.166 ug/l
 RT: 14.00 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VX019326.D
 Acq: 05 Nov 2020 19:47

Instrument :
 MSVOA_X
 ClientSampleId :
 FA2O-MMW3414MSD

Tot Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	93.0	47.8	143.3
145	35.0	16.5	49.5

Manual Integrations
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