

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112120\
 Data File : VX019489.D
 Acq On : 20 Nov 2020 10:07
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 11/23/2020 3:50:30 PM

Quant Time: Nov 21 01:47:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112120W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 21 01:38:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	259279	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.82	114	429046	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	379511	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	178322	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	19629	5.84	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	11.68%#
35) Dibromofluoromethane	5.46	113	14147	5.25	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	10.50%#
50) Toluene-d8	8.70	98	57109	5.46	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	10.92%#
62) 4-Bromofluorobenzene	11.12	95	18421	4.89	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	9.78%#

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.18	85	11891	4.716	ug/l 96
3) Chloromethane	1.31	50	14535	5.024	ug/l 98
4) Vinyl Chloride	1.39	62	15641	5.022	ug/l 96
5) Bromomethane	1.62	94	6402	5.427	ug/l 99
6) Chloroethane	1.69	64	4437	5.149	ug/l 93
7) Trichlorofluoromethane	1.90	101	23460	5.219	ug/l 96
8) Diethyl Ether	2.17	74	9610	5.338	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	2.36	101	13100	5.223	ug/l 97
10) Methyl Iodide	2.48	142	14232	4.320	ug/l 97
11) Tert butyl alcohol	3.05	59	15487	24.342	ug/l 97
12) 1,1-Dichloroethene	2.35	96	13645	5.301	ug/l 90
13) Acrolein	2.28	56	12447	29.105	ug/l 98
14) Allyl chloride	2.70	41	20058	4.974	ug/l 98
15) Acrylonitrile	3.12	53	37620	25.073	ug/l 97
16) Acetone	2.43	43	34249	26.344	ug/l 98
17) Carbon Disulfide	2.54	76	33142	4.793	ug/l 99
18) Methyl Acetate	2.75	43	16086	4.797	ug/l 98
19) Methyl tert-butyl Ether	3.17	73	45274	5.095	ug/l 97
20) Methylene Chloride	2.83	84	16751	5.155	ug/l 97
21) trans-1,2-Dichloroethene	3.14	96	15258	5.232	ug/l 98
22) Diisopropyl ether	3.83	45	43144	5.172	ug/l 92
23) Vinyl Acetate	3.78	43	174827	24.985	ug/l 99
24) 1,1-Dichloroethane	3.67	63	27153	5.322	ug/l 99
25) 2-Butanone	4.64	43	49353	25.271	ug/l 98
26) 2,2-Dichloropropane	4.54	77	22167	4.977	ug/l 99
27) cis-1,2-Dichloroethene	4.56	96	17560	5.242	ug/l 92
28) Bromochloromethane	4.97	49	12273	5.031	ug/l 98
29) Tetrahydrofuran	5.09	42	31833	25.547	ug/l 97
30) Chloroform	5.17	83	27392	5.134	ug/l 92
31) Cyclohexane	5.54	56	21973	5.025	ug/l 98
32) 1,1,1-Trichloroethane	5.46	97	23547	5.138	ug/l 99
36) 1,1-Dichloropropene	5.76	75	20564	5.112	ug/l 99
37) Ethyl Acetate	4.79	43	19857	5.259	ug/l 99
38) Carbon Tetrachloride	5.75	117	19760	5.075	ug/l 92

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 ALS Vial : 4 Sample Multiplier: 1

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 MSVOA_X
 ClientSampleID :
 VSTDIC005

Manual Integrations
 APPROVED

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 11/23/2020 3:50:30 PM

Quant Time: Nov 21 01:47:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112120W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 21 01:38:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.43	83	23053	4.922	ug/l	96
40) Benzene	6.10	78	64155	5.191	ug/l	100
41) Methacrylonitrile	5.01	41	10186	4.892	ug/l	98
42) 1,2-Dichloroethane	6.16	62	22224	5.246	ug/l	99
43) Isopropyl Acetate	6.42	43	31529	4.967	ug/l	99
44) Trichloroethene	7.18	130	16522	5.104	ug/l	97
45) 1,2-Dichloropropane	7.49	63	15498	5.094	ug/l	99
46) Dibromomethane	7.63	93	10630	5.105	ug/l	98
47) Bromodichloromethane	7.87	83	19329	4.784	ug/l	98
48) Methyl methacrylate	7.74	41	14563	4.899	ug/l	96
49) 1,4-Dioxane	7.72	88	6888	102.048	ug/l #	92
51) 4-Methyl-2-Pentanone	8.62	43	91081	24.606	ug/l	99
52) Toluene	8.76	92	38527	5.096	ug/l	97
53) t-1,3-Dichloropropene	9.02	75	19904	4.561	ug/l	99
54) cis-1,3-Dichloropropene	8.42	75	22518	4.650	ug/l	97
55) 1,1,2-Trichloroethane	9.20	97	15979	5.190	ug/l	97
56) Ethyl methacrylate	9.16	69	19895	4.566	ug/l	95
57) 1,3-Dichloropropane	9.35	76	26391	5.119	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.29	63	56757	22.232	ug/l	100
59) 2-Hexanone	9.48	43	68107	24.261	ug/l	98
60) Dibromochloromethane	9.56	129	14145	4.690	ug/l	97
61) 1,2-Dibromoethane	9.65	107	15626	4.923	ug/l	97
64) Tetrachloroethene	9.32	164	16480	5.524	ug/l	98
65) Chlorobenzene	10.12	112	40614	5.205	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.20	131	13955	4.917	ug/l	100
67) Ethyl Benzene	10.23	91	67991	4.974	ug/l	97
68) m/p-Xylenes	10.34	106	50120	9.842	ug/l	100
69) o-Xylene	10.68	106	24151	4.961	ug/l	98
70) Styrene	10.70	104	37775	4.674	ug/l	99
71) Bromoform	10.84	173	9339	4.500	ug/l #	96
73) Isopropylbenzene	11.00	105	63775	5.170	ug/l	100
74) N-amyl acetate	10.88	43	22521	4.872	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.25	83	23126	5.242	ug/l	100
76) 1,2,3-Trichloropropane	11.28	75	20884m	5.366	ug/l	
77) Bromobenzene	11.24	156	16382	5.202	ug/l	100
78) n-propylbenzene	11.34	91	71003	5.017	ug/l	99
79) 2-Chlorotoluene	11.40	91	44180	5.148	ug/l	98
80) 1,3,5-Trimethylbenzene	11.49	105	51500	4.977	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.06	75	5446	4.117	ug/l #	85
82) 4-Chlorotoluene	11.49	91	51181	5.066	ug/l	100
83) tert-Butylbenzene	11.76	119	50860	5.080	ug/l	100
84) 1,2,4-Trimethylbenzene	11.79	105	52202	4.986	ug/l	99
85) sec-Butylbenzene	11.93	105	59401	4.987	ug/l	99
86) p-Isopropyltoluene	12.05	119	52935	4.895	ug/l	98
87) 1,3-Dichlorobenzene	12.01	146	30092	5.203	ug/l	98
88) 1,4-Dichlorobenzene	12.08	146	31698	5.321	ug/l	95
89) n-Butylbenzene	12.37	91	45863	4.691	ug/l	99
90) Hexachloroethane	12.58	117	8250	4.559	ug/l	100
91) 1,2-Dichlorobenzene	12.37	146	29734	5.119	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.98	75	4302	4.780	ug/l	96

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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

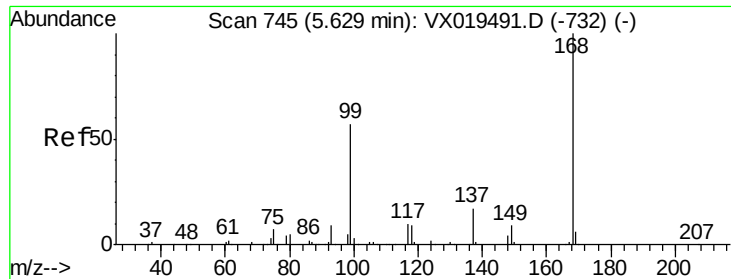
Manual Integrations
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11/23/2020 3:50:30 PM

Quant Time: Nov 21 01:47:11 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112120W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 21 01:38:04 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	17435	4.675	ug/l	99
94) Hexachlorobutadiene	13.76	225	8815	5.189	ug/l	96
95) Naphthalene	13.82	128	52884	4.581	ug/l	100
96) 1,2,3-Trichlorobenzene	14.00	180	17674	4.738	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.01 min

Lab File: VX019489.D

Acq: 20 Nov 2020 10:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 259279

Ion Ratio Lower Upper

168 100

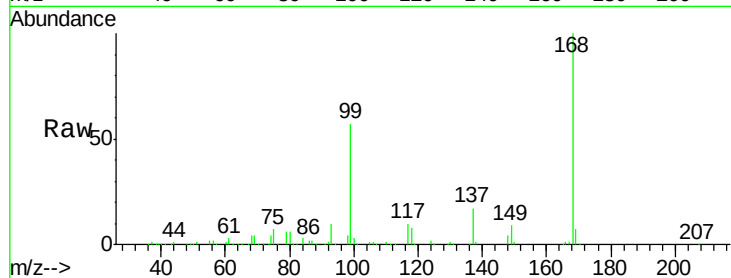
99 56.7 45.8 68.6

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

5.62

100000

80000

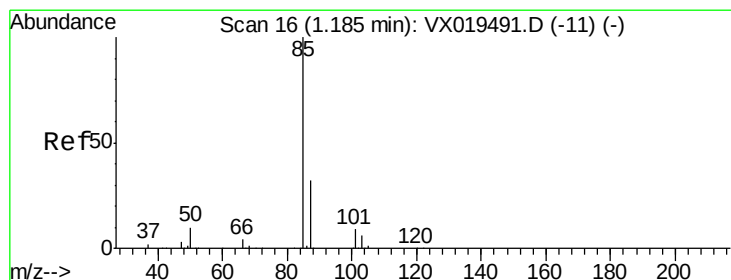
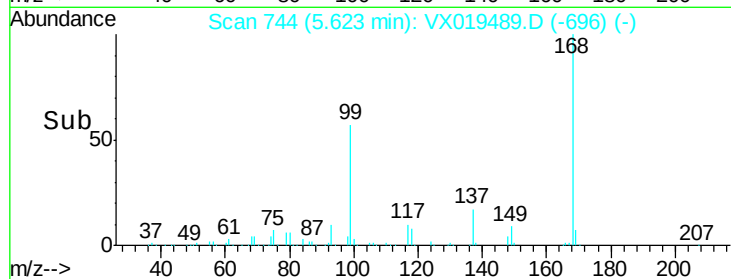
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 4.716 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX019489.D

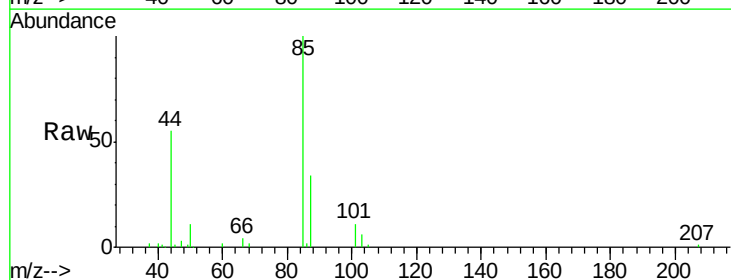
Acq: 20 Nov 2020 10:07

Tgt Ion: 85 Resp: 11891

Ion Ratio Lower Upper

85 100

87 34.2 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

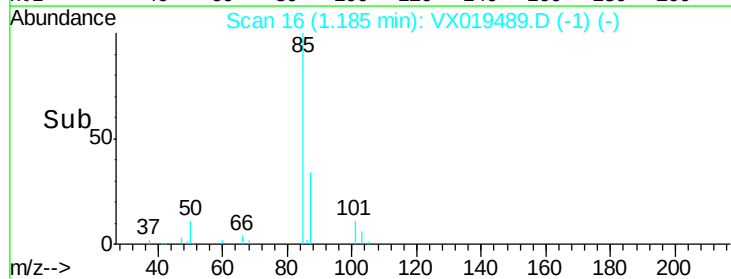
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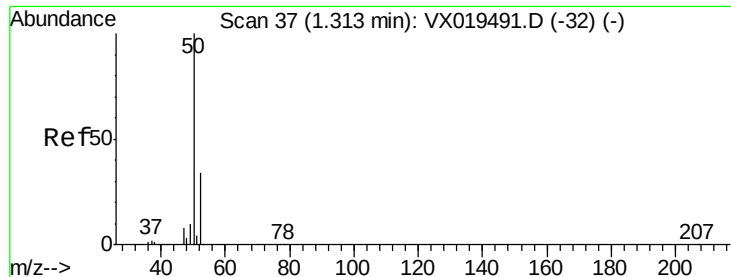
10000

5000

0

Time-->





#3

Chloromethane

Concen: 5.024 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX019489.D

Acq: 20 Nov 2020 10:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 14535

Ion Ratio Lower Upper

50 100

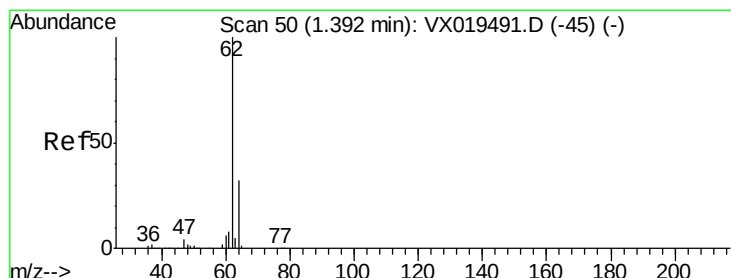
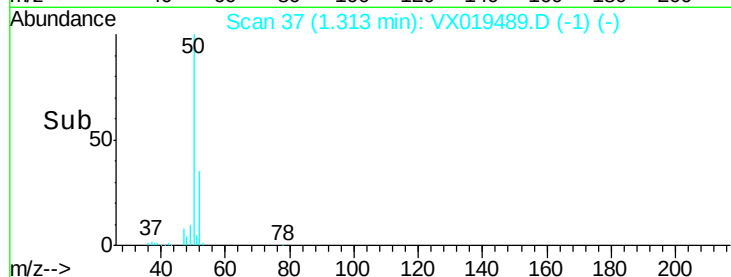
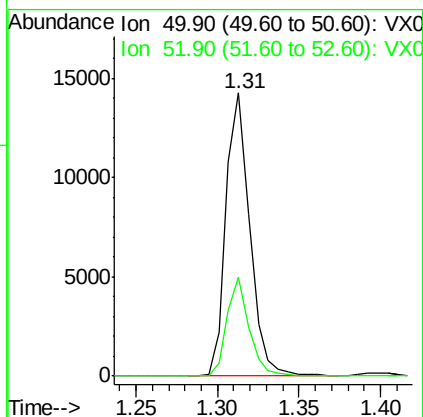
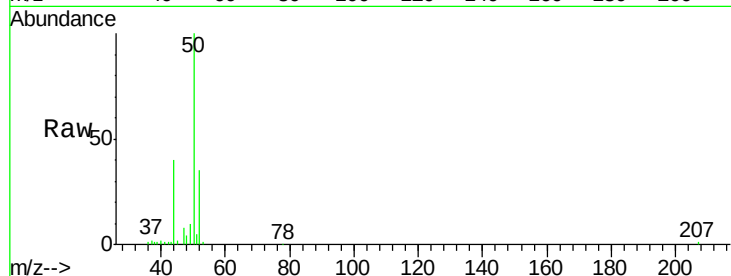
52 34.8 27.0 40.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 5.022 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX019489.D

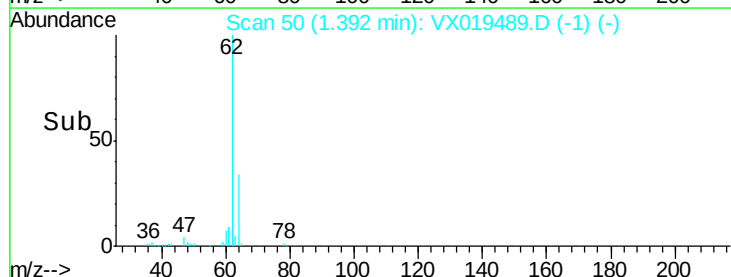
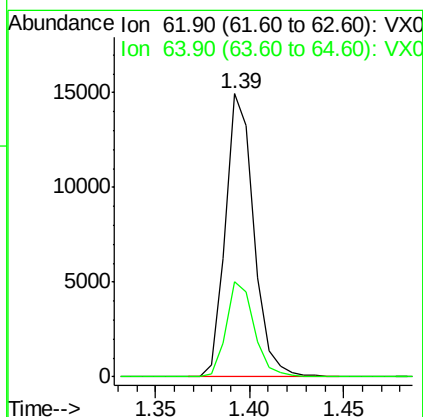
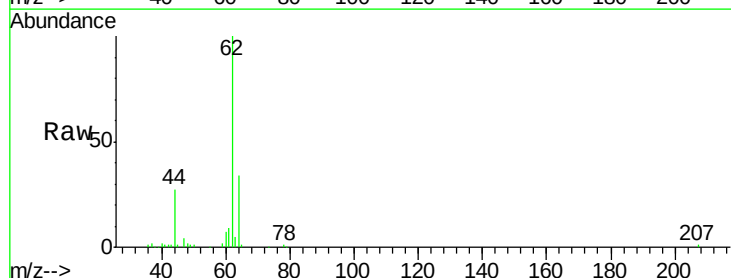
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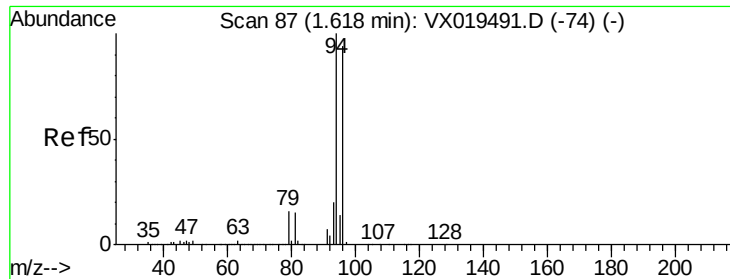
Tgt Ion: 62 Resp: 15641

Ion Ratio Lower Upper

62 100

64 33.8 25.4 38.2





#5

Bromomethane

Concen: 5.427 ug/l

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VX019489.D

Acq: 20 Nov 2020 10:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 6402

Ion Ratio Lower Upper

94 100

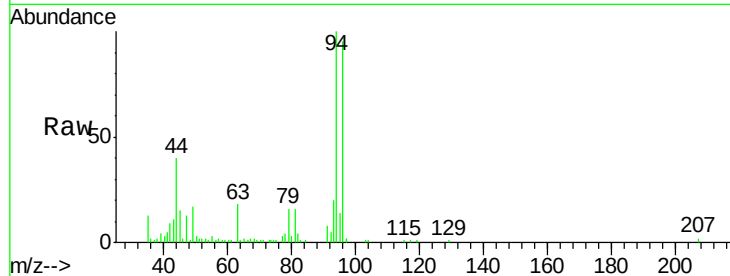
96 95.1 75.6 113.4

Manual Integrations

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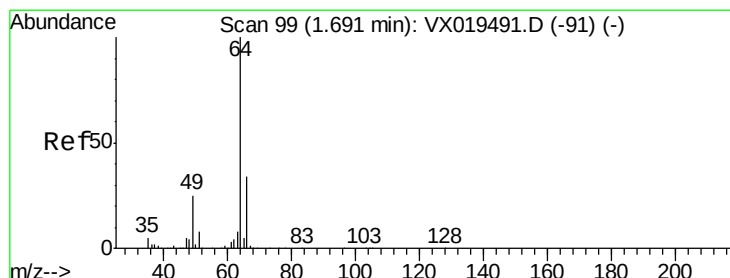
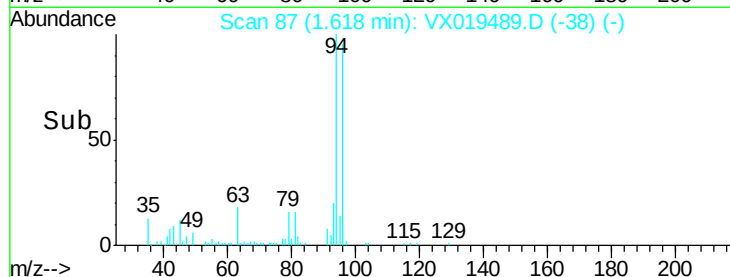


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.62

Time-->



#6

Chloroethane

Concen: 5.149 ug/l

RT: 1.69 min Scan# 99

Delta R.T. 0.00 min

Lab File: VX019489.D

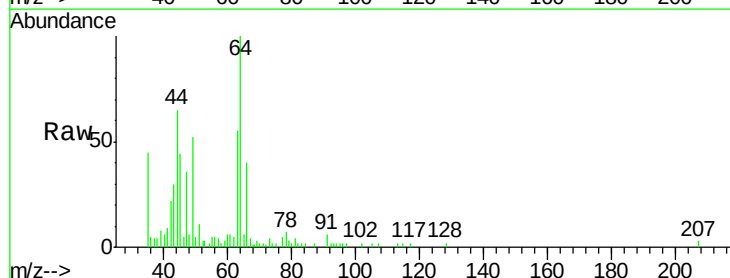
Acq: 20 Nov 2020 10:07

Tgt Ion: 64 Resp: 4437

Ion Ratio Lower Upper

64 100

66 37.8 27.1 40.7

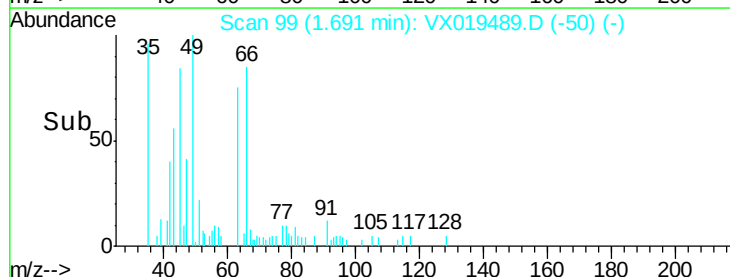


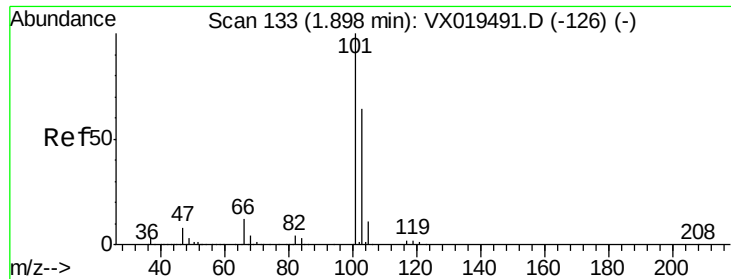
Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.69

Time-->





#7

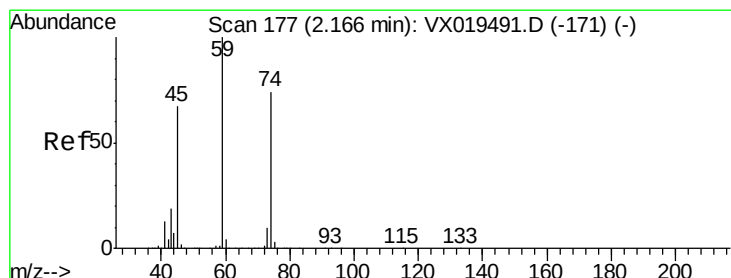
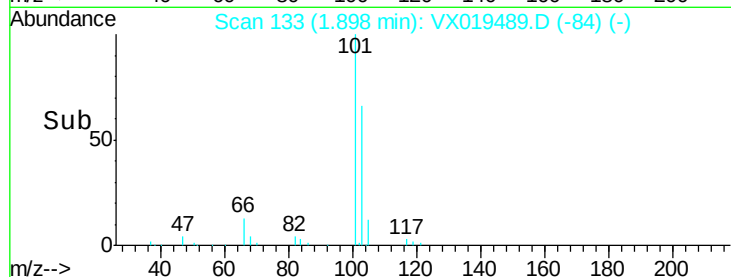
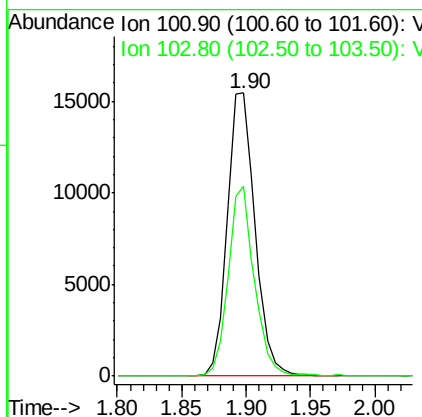
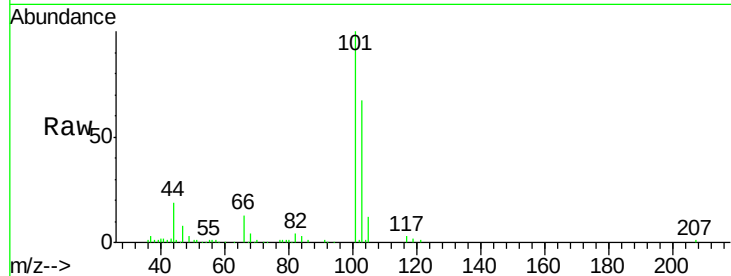
Trichlorofluoromethane
Concen: 5.219 ug/l
RT: 1.90 min Scan# 133
Delta R.T. 0.00 min
Lab File: VX019489.D
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Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.9	50.9	76.3

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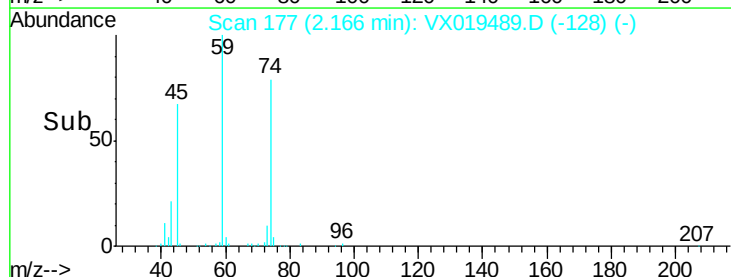
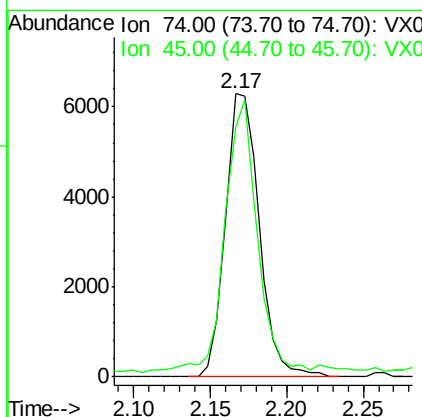
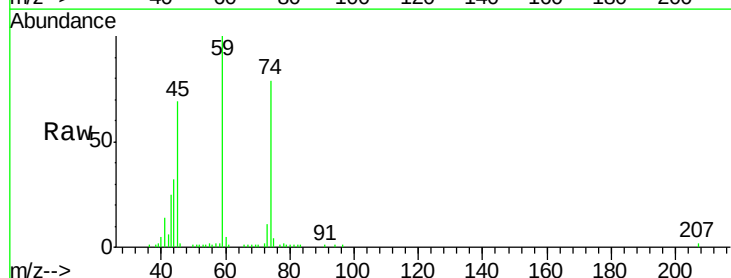
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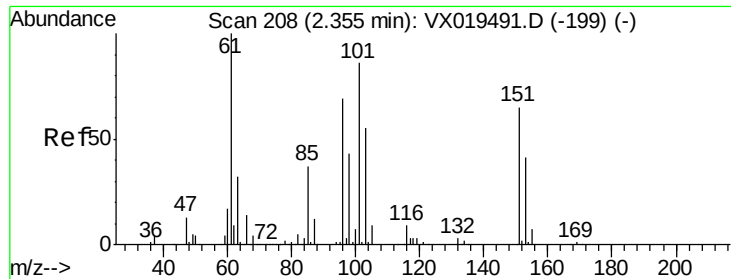


#8

Diethyl Ether
Concen: 5.338 ug/l
RT: 2.17 min Scan# 177
Delta R.T. 0.00 min
Lab File: VX019489.D
Acq: 20 Nov 2020 10:07

Tgt Ion	Ratio	Lower	Upper
74	100		
45	91.3	44.4	133.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.223 ug/l

RT: 2.36 min Scan# 208

Delta R.T. 0.00 min

Lab File: VX019489.D

Acq: 20 Nov 2020 10:07

Instrument :

MSVOA_X

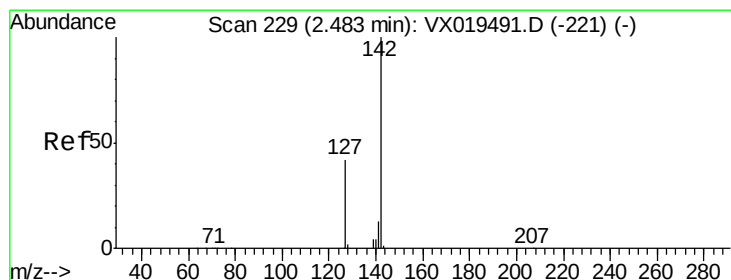
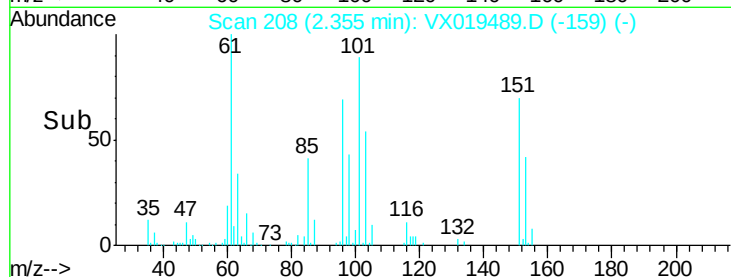
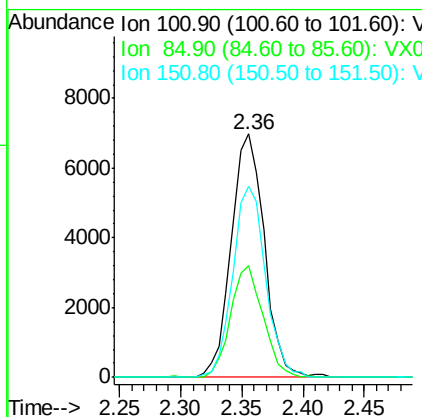
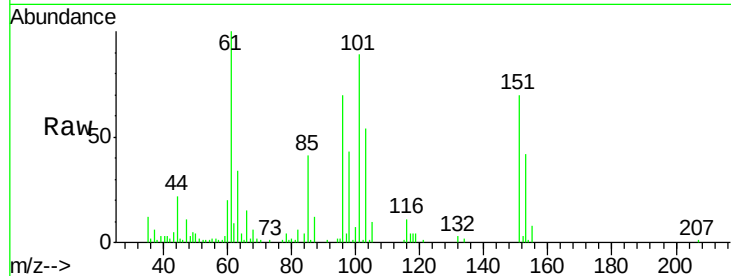
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	13100
Ion Ratio	Lower	Upper	
101	100		
85	44.9	33.9	50.9
151	77.7	60.9	91.3

Manual Integrations
APPROVED

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11/23/2020 3:50:30 PM



#10

Methyl Iodide

Concen: 4.320 ug/l

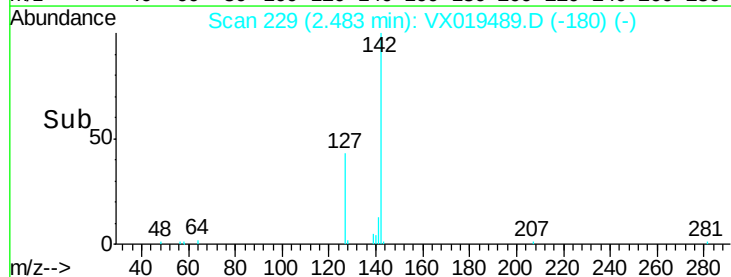
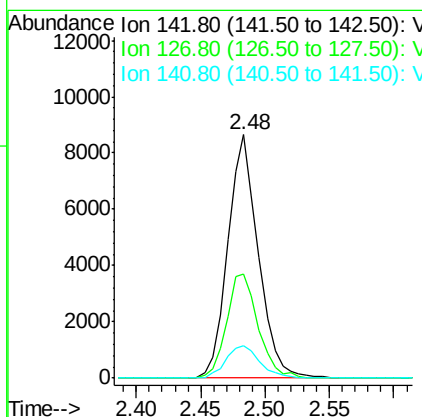
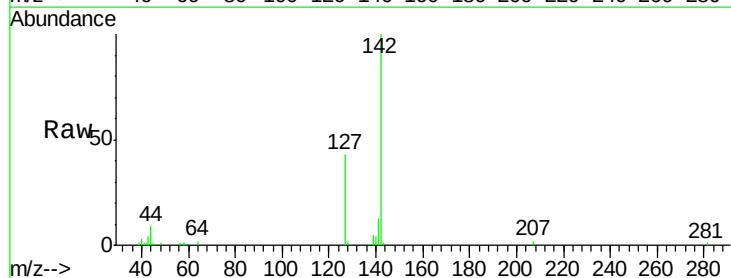
RT: 2.48 min Scan# 229

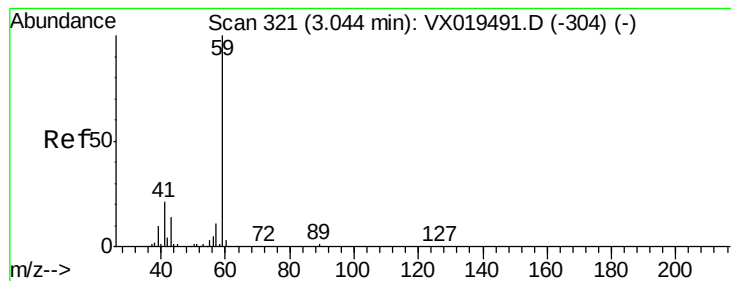
Delta R.T. 0.00 min

Lab File: VX019489.D

Acq: 20 Nov 2020 10:07

Tgt Ion:	142	Resp:	14232
Ion Ratio	Lower	Upper	
142	100		
127	44.5	33.8	50.6
141	14.7	11.0	16.6





#11

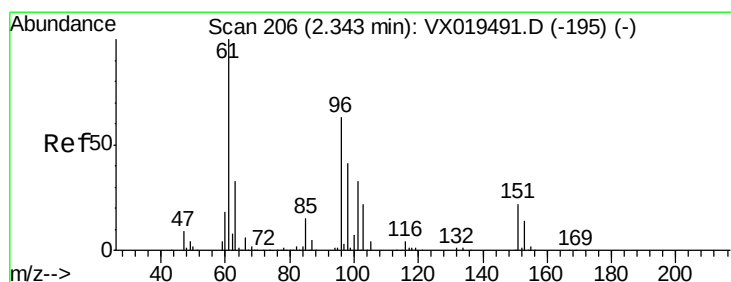
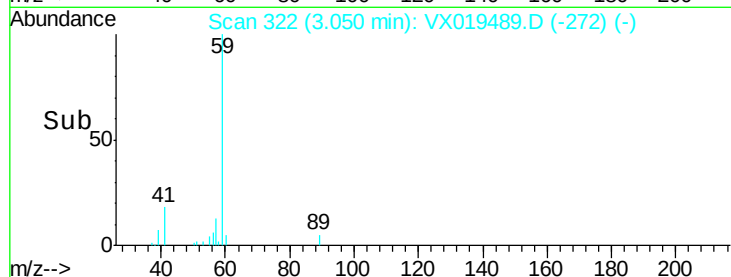
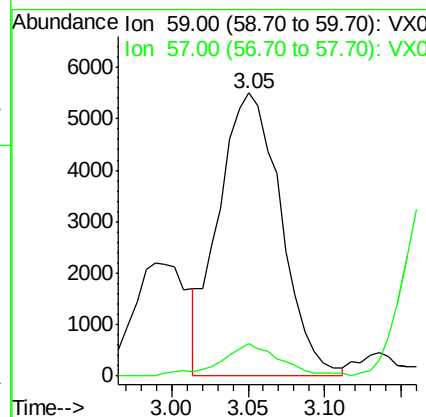
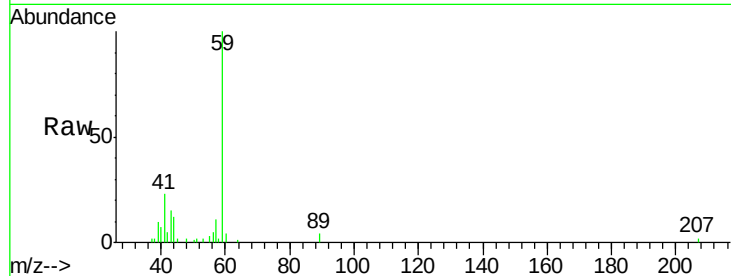
Tert butyl alcohol
 Concen: 24.342 ug/l
 RT: 3.05 min Scan# 322
 Delta R.T. 0.01 min
 Lab File: VX019489.D
 Acq: 20 Nov 2020 10:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	59	57	Ratio	100	Resp	15487	Lower	Upper
59	100							
57	11.0						7.9	11.9

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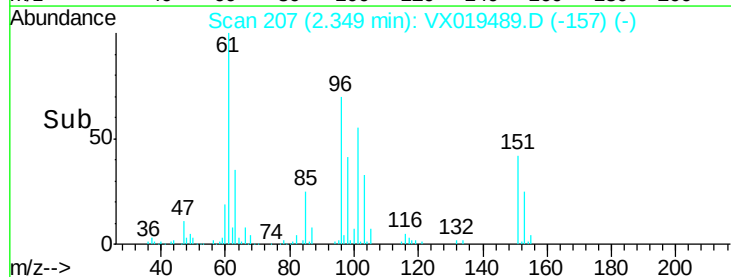
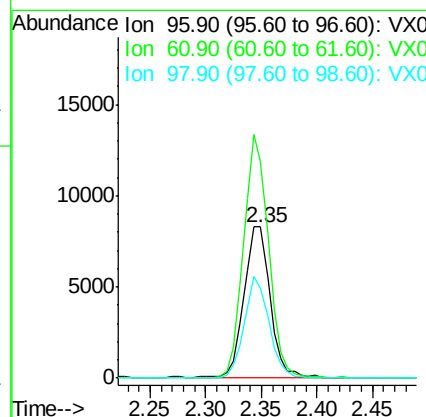
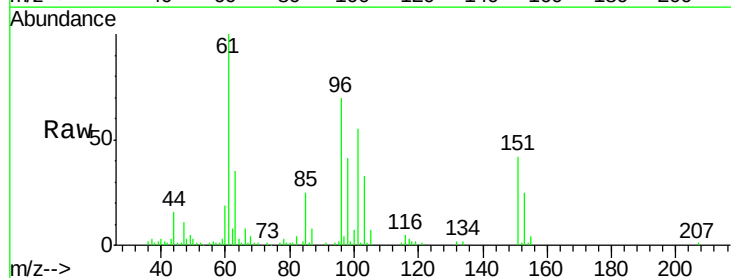
MMDadoda
 11/23/2020 3:50:30 PM

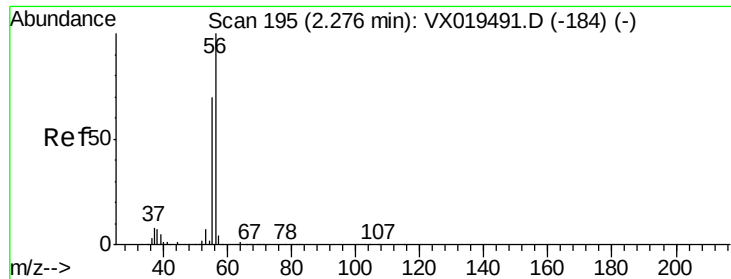


#12

1,1-Dichloroethene
 Concen: 5.301 ug/l
 RT: 2.35 min Scan# 207
 Delta R.T. 0.01 min
 Lab File: VX019489.D
 Acq: 20 Nov 2020 10:07

Tgt Ion	96	61	98	Ratio	100	143.4	59.2	Resp	13645	Lower	Upper
96	100										
61	143.4									126.0	189.0
98	59.2									52.0	78.0





#13

Acrolein

Concen: 29.105 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.00 min

Lab File: VX019489.D

Acq: 20 Nov 2020 10:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 12447

Ion Ratio Lower Upper

56 100

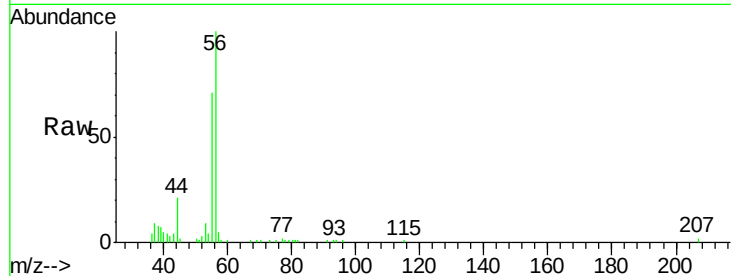
55 70.7 55.5 83.3

Manual Integrations

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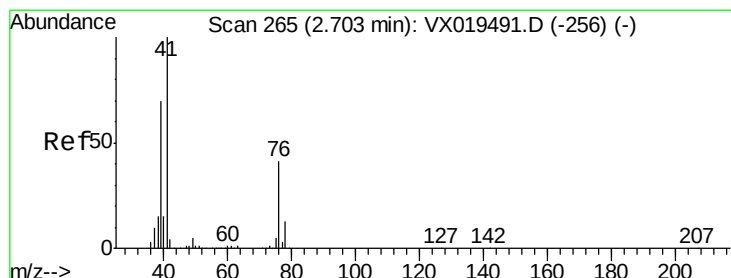
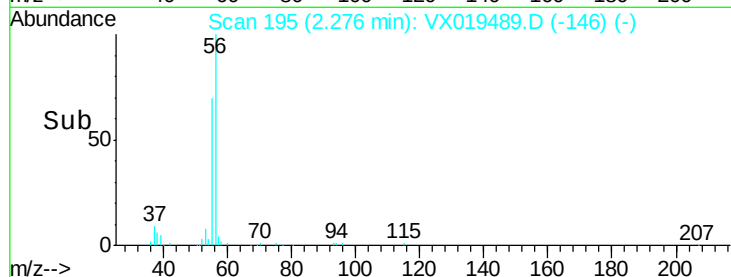
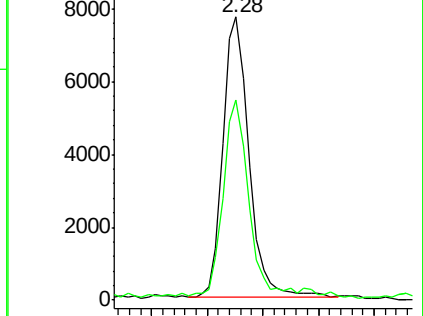
MMDadoda

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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: 4.974 ug/l

RT: 2.70 min Scan# 265

Delta R.T. 0.00 min

Lab File: VX019489.D

Acq: 20 Nov 2020 10:07

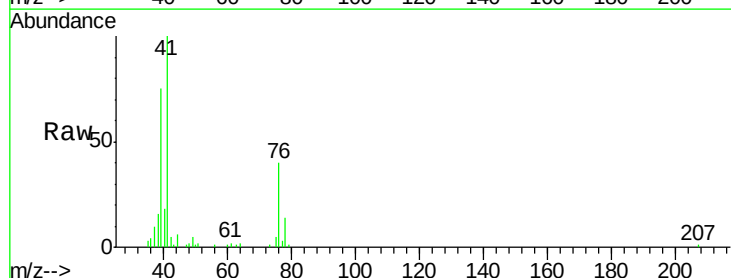
Tgt Ion: 41 Resp: 20058

Ion Ratio Lower Upper

41 100

39 65.2 53.0 79.4

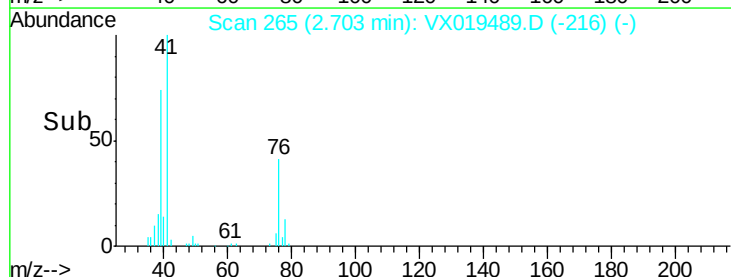
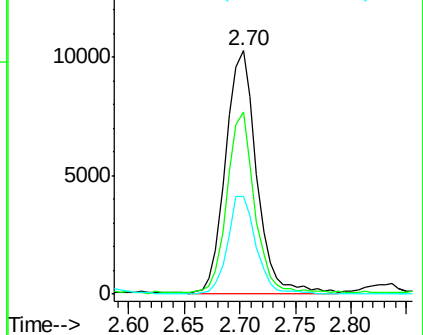
76 36.9 31.0 46.6

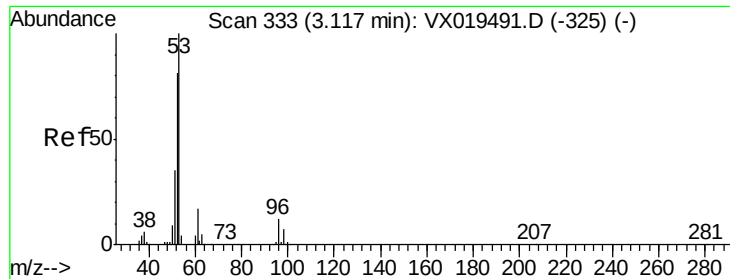


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 25.073 ug/l

RT: 3.12 min Scan# 333

Delta R.T. 0.00 min

Lab File: VX019489.D

Acq: 20 Nov 2020 10:07

Instrument :

MSVOA_X

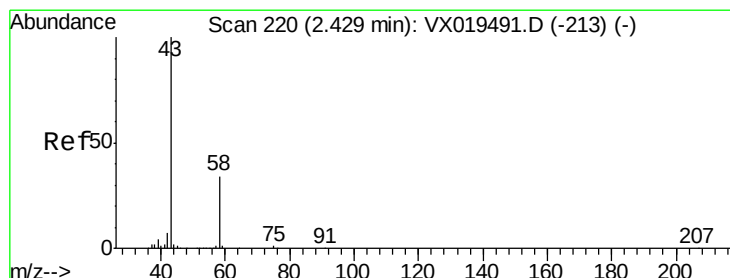
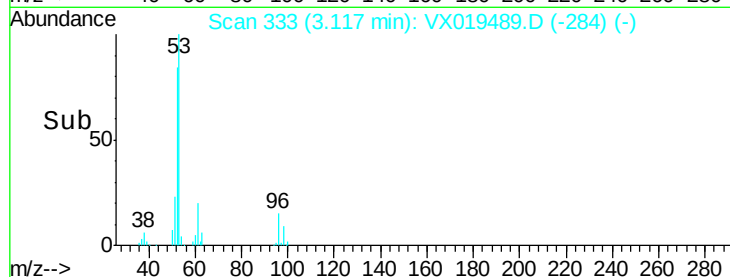
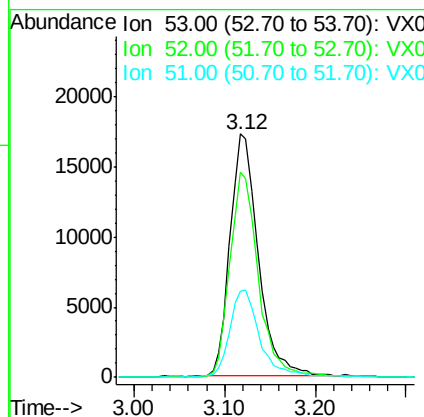
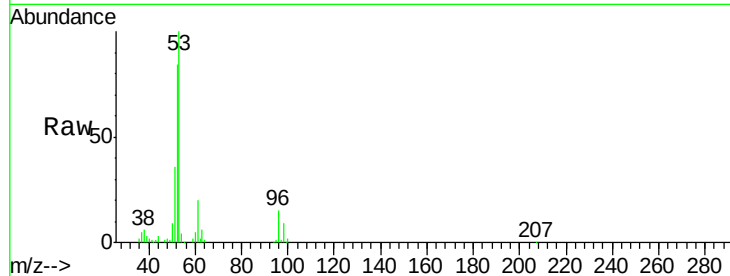
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	37620
Ion	Ratio	Lower	Upper
53	100		
52	85.2	66.2	99.2
51	38.7	28.5	42.7

Manual Integrations
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11/23/2020 3:50:30 PM



#16

Acetone

Concen: 26.344 ug/l

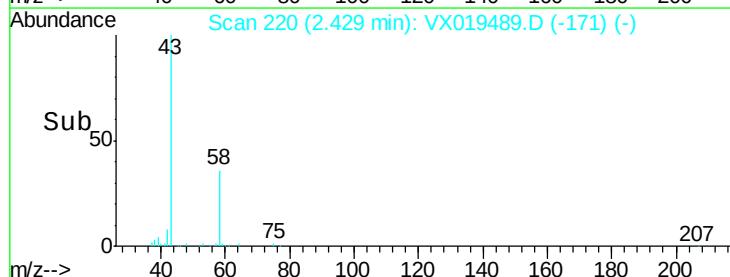
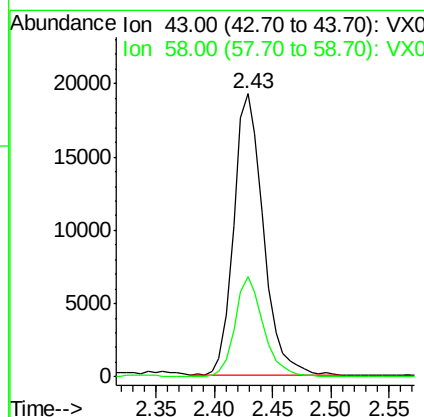
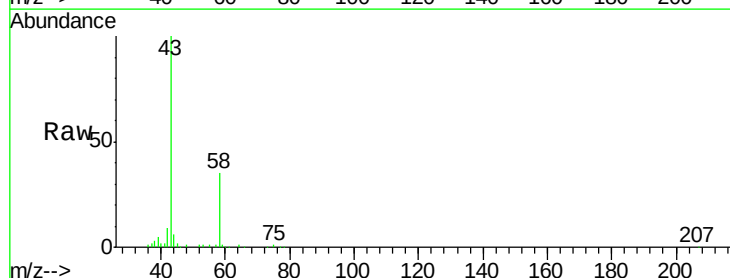
RT: 2.43 min Scan# 220

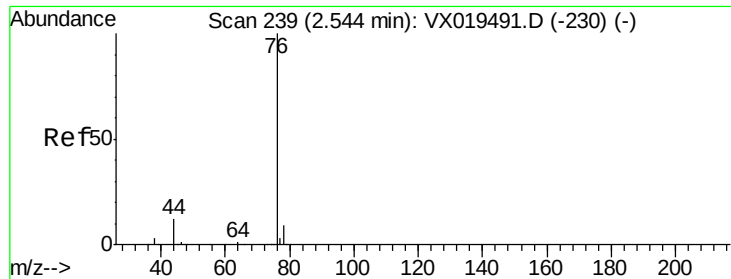
Delta R.T. 0.00 min

Lab File: VX019489.D

Acq: 20 Nov 2020 10:07

Tgt Ion:	43	Resp:	34249
Ion	Ratio	Lower	Upper
43	100		
58	35.6	27.4	41.2





#17

Carbon Disulfide

Concen: 4.793 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.01 min

Lab File: VX019489.D

Acq: 20 Nov 2020 10:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 33142

Ion Ratio Lower Upper

76 100

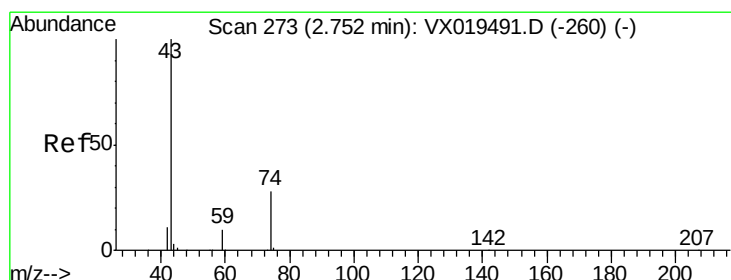
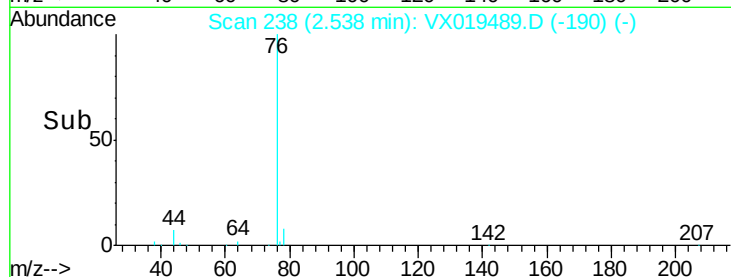
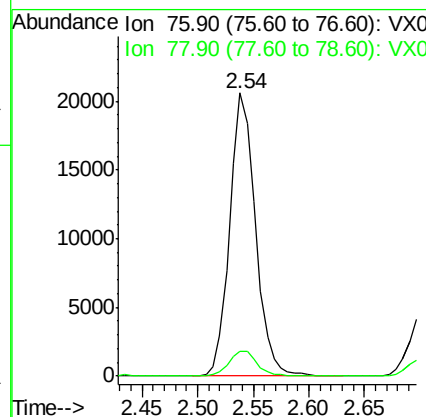
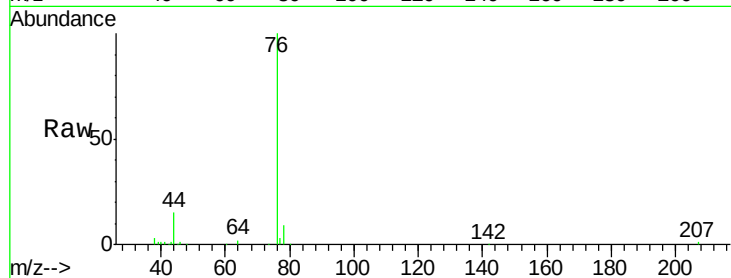
78 8.7 7.2 10.8

Manual Integrations

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#18

Methyl Acetate

Concen: 4.797 ug/l

RT: 2.75 min Scan# 273

Delta R.T. 0.00 min

Lab File: VX019489.D

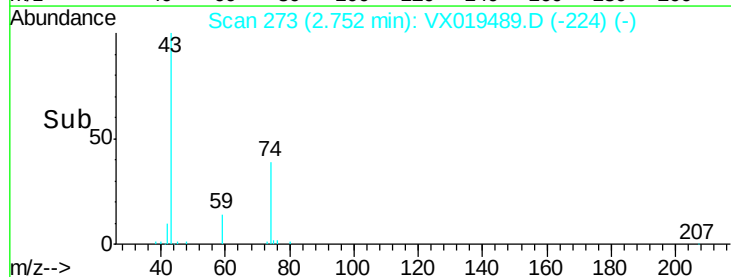
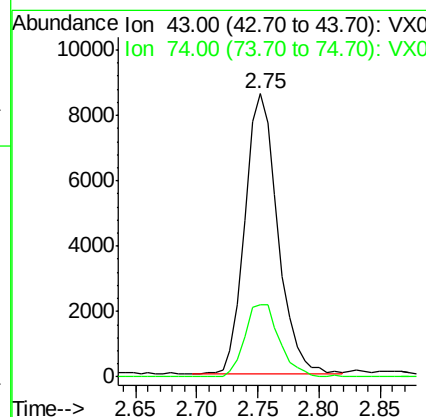
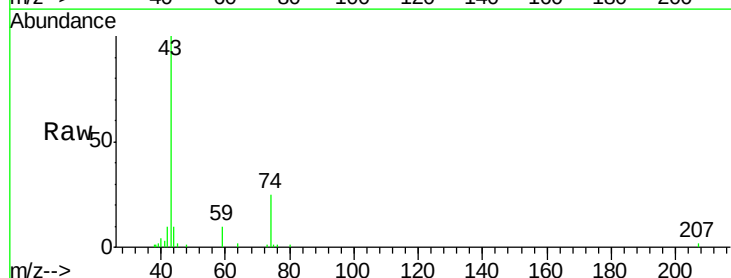
Acq: 20 Nov 2020 10:07

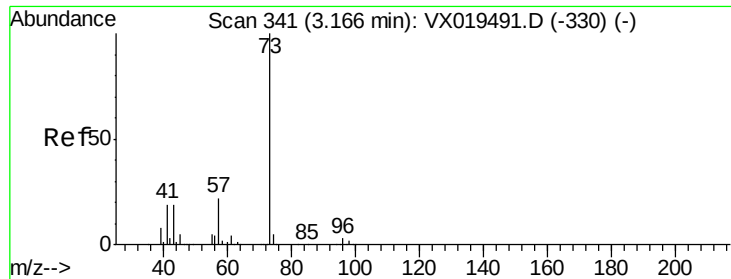
Tgt Ion: 43 Resp: 16086

Ion Ratio Lower Upper

43 100

74 27.0 22.2 33.4





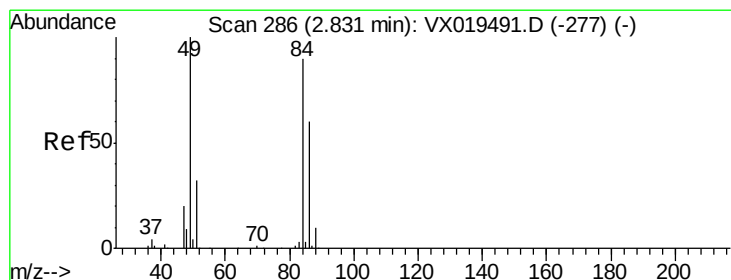
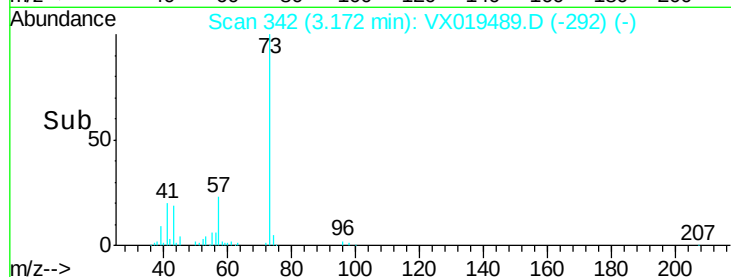
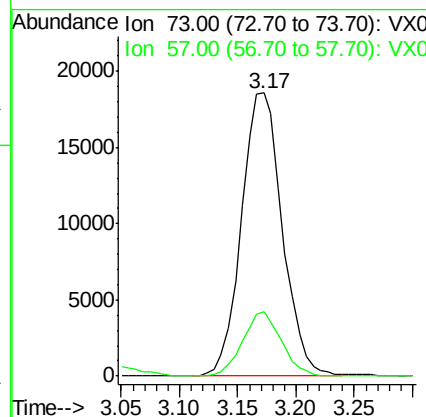
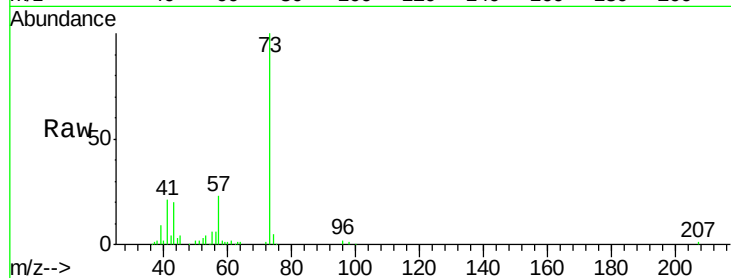
#19
Methyl tert-butyl Ether
Concen: 5.095 ug/l
RT: 3.17 min Scan# 342
Delta R.T. 0.01 min
Lab File: VX019489.D
Acq: 20 Nov 2020 10:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	73	Resp	45274
Ion Ratio	Lower	Upper	
73	100		
57	22.9	17.3	25.9

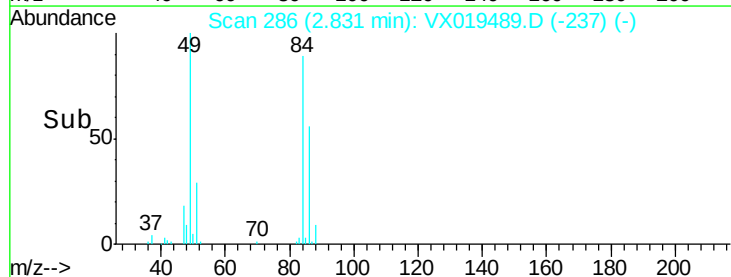
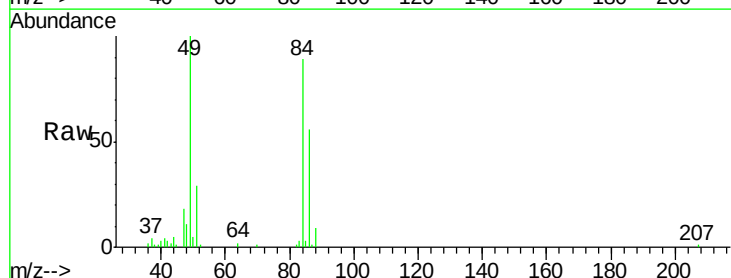
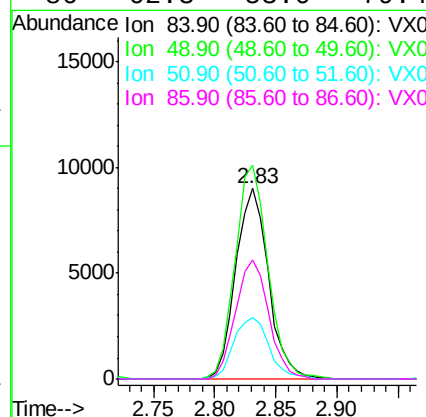
Manual Integrations
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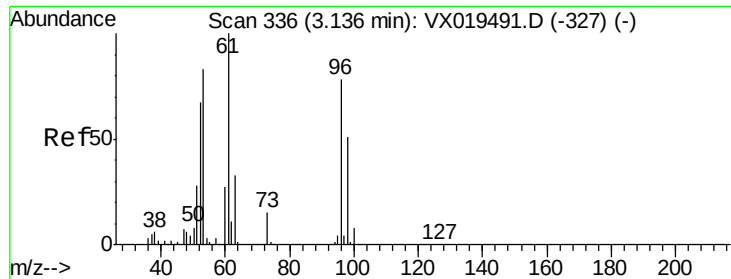
MMDadoda
11/23/2020 3:50:30 PM



#20
Methylene Chloride
Concen: 5.155 ug/l
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX019489.D
Acq: 20 Nov 2020 10:07

Tgt Ion	84	Resp	16751
Ion Ratio	Lower	Upper	
84	100		
49	112.3	88.5	132.7
51	32.0	28.0	42.0
86	62.3	53.0	79.4





#21

trans-1,2-Dichloroethene

Concen: 5.232 ug/l

RT: 3.14 min Scan# 336

Delta R.T. 0.00 min

Lab File: VX019489.D

Acq: 20 Nov 2020 10:07

Instrument :

MSVOA_X

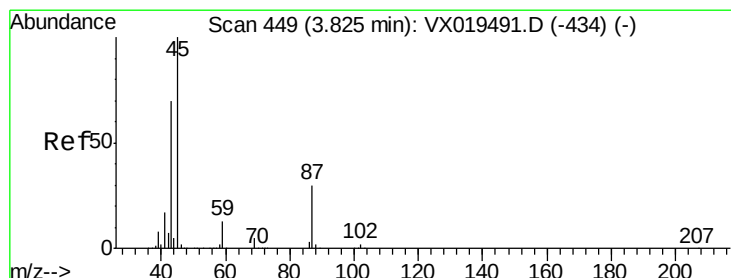
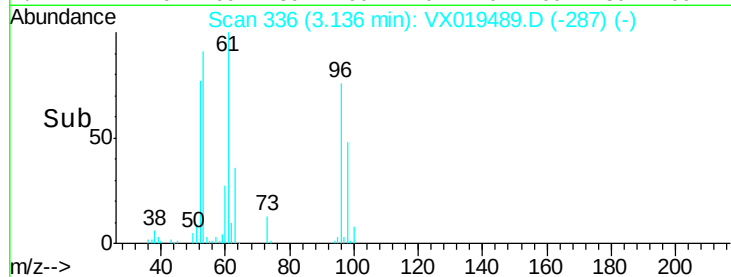
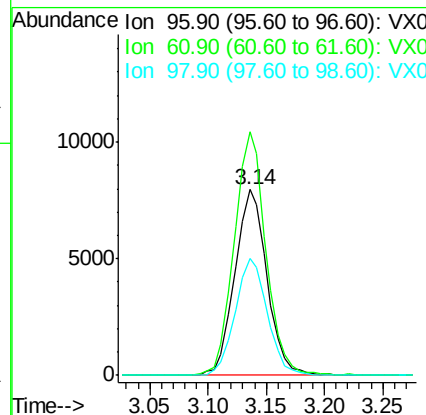
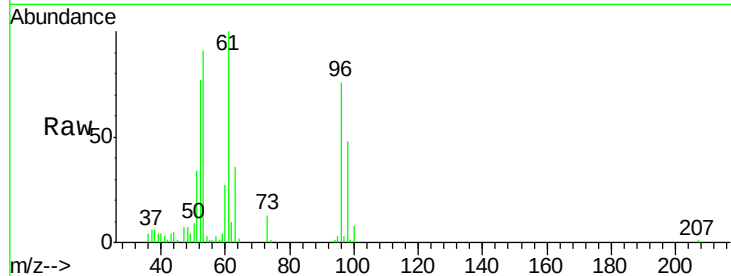
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	15258
Ion	Ratio	Lower	Upper
96	100		
61	131.0	102.9	154.3
98	62.6	52.1	78.1

Manual Integrations
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#22

Diisopropyl ether

Concen: 5.172 ug/l

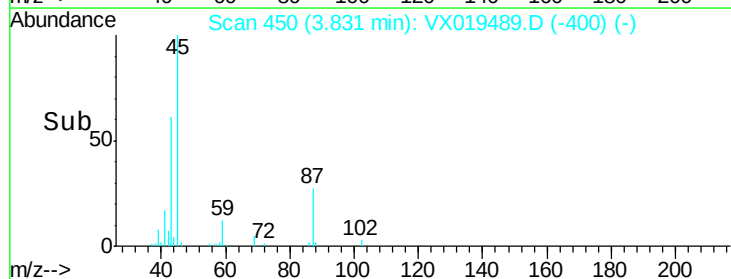
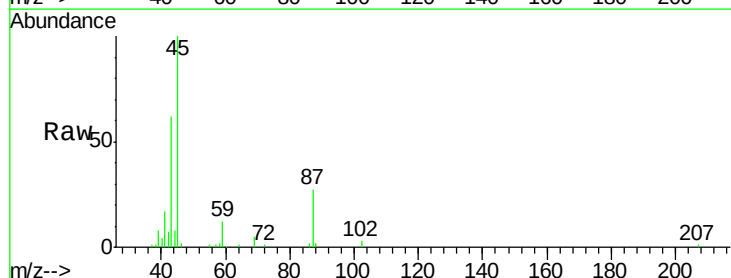
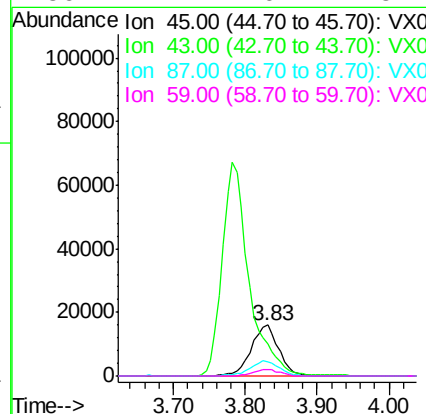
RT: 3.83 min Scan# 450

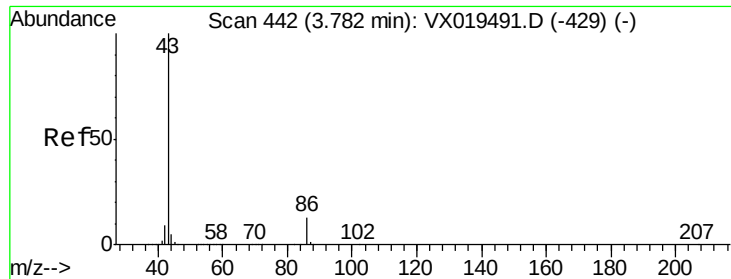
Delta R.T. 0.01 min

Lab File: VX019489.D

Acq: 20 Nov 2020 10:07

Tgt Ion:	45	Resp:	43144
Ion	Ratio	Lower	Upper
45	100		
43	61.3	56.1	84.1
87	26.7	24.2	36.2
59	12.2	10.2	15.2





#23

Vinyl Acetate

Concen: 24.985 ug/l

RT: 3.78 min Scan# 442

Delta R.T. 0.00 min

Lab File: VX019489.D

Acq: 20 Nov 2020 10:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 174827

Ion Ratio Lower Upper

43 100

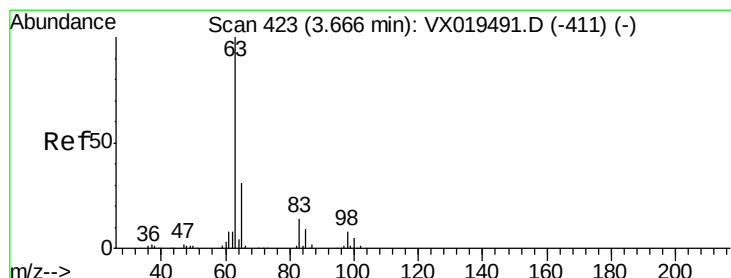
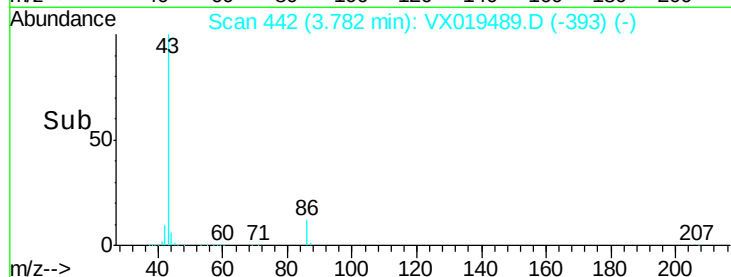
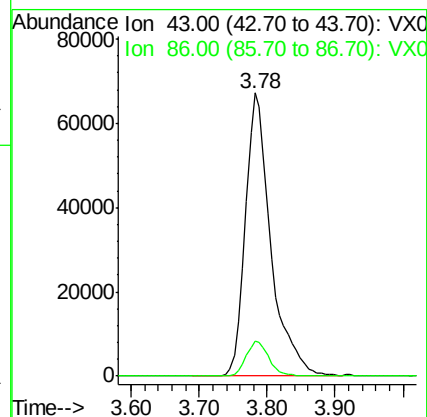
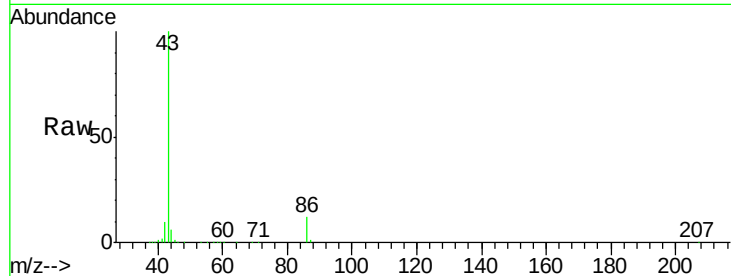
86 12.2 10.2 15.2

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 5.322 ug/l

RT: 3.67 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX019489.D

Acq: 20 Nov 2020 10:07

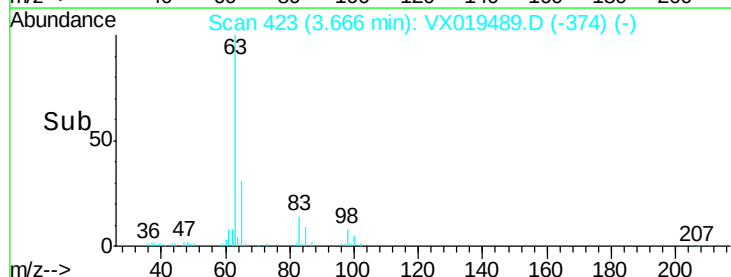
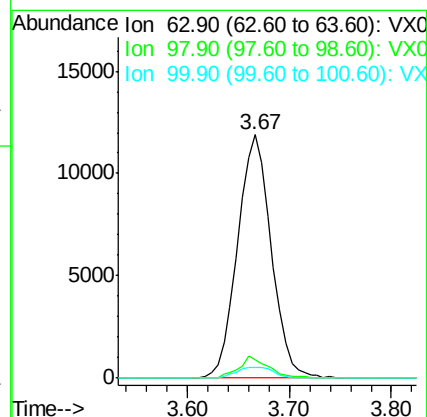
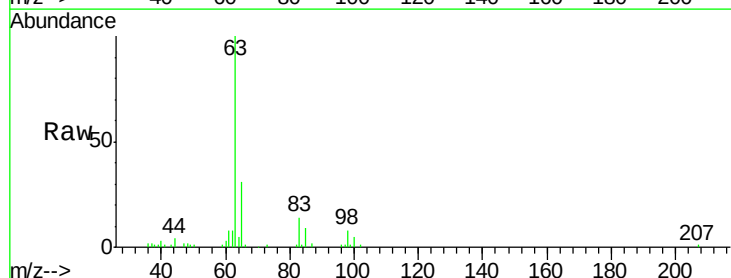
Tgt Ion: 63 Resp: 27153

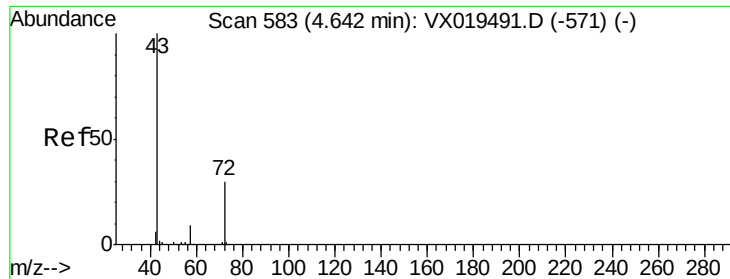
Ion Ratio Lower Upper

63 100

98 7.5 3.9 11.7

100 4.6 2.4 7.1





#25

2-Butanone

Concen: 25.271 ug/l

RT: 4.64 min Scan# 583

Delta R.T. 0.00 min

Lab File: VX019489.D

Acq: 20 Nov 2020 10:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 49353

Ion Ratio Lower Upper

43 100

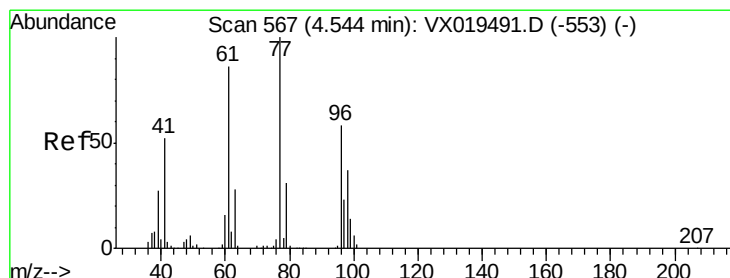
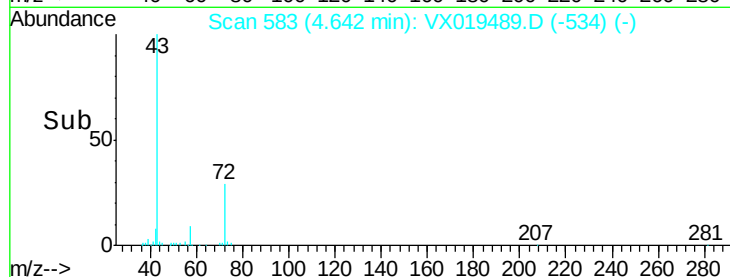
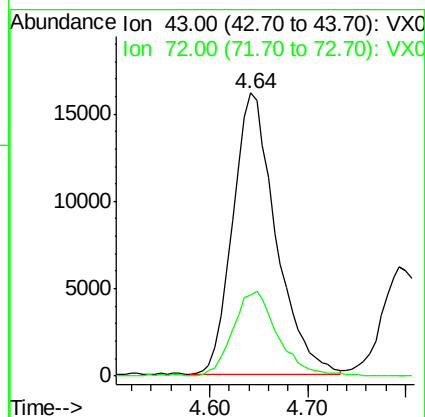
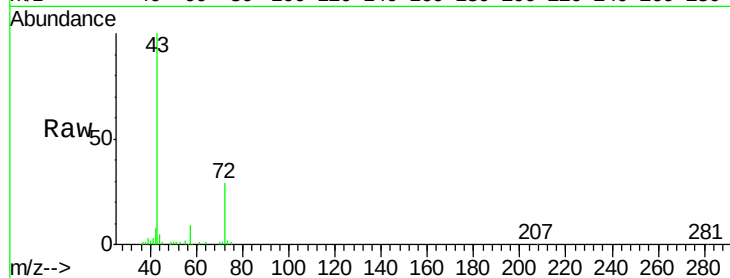
72 29.0 24.0 36.0

Manual Integrations

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11/23/2020 3:50:30 PM



#26

2,2-Dichloropropane

Concen: 4.977 ug/l

RT: 4.54 min Scan# 567

Delta R.T. 0.00 min

Lab File: VX019489.D

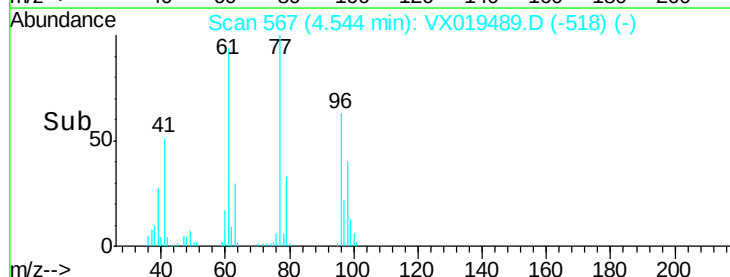
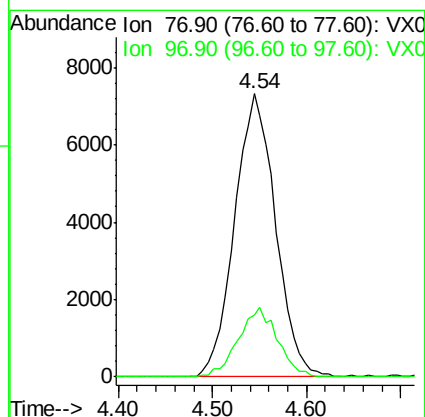
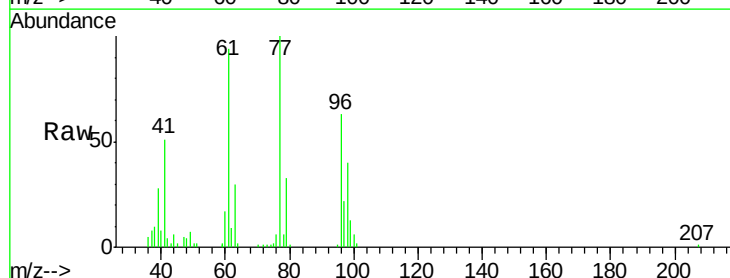
Acq: 20 Nov 2020 10:07

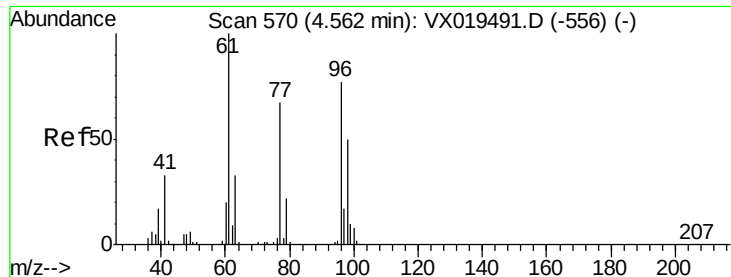
Tgt Ion: 77 Resp: 22167

Ion Ratio Lower Upper

77 100

97 23.5 11.6 34.8





#27

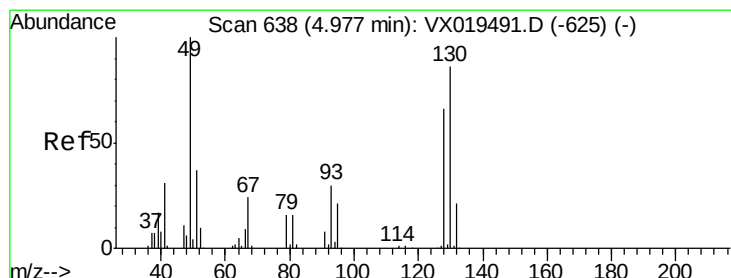
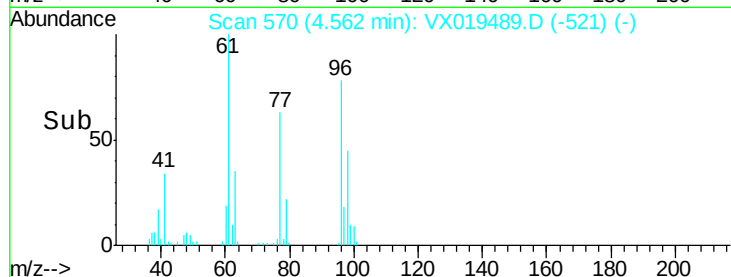
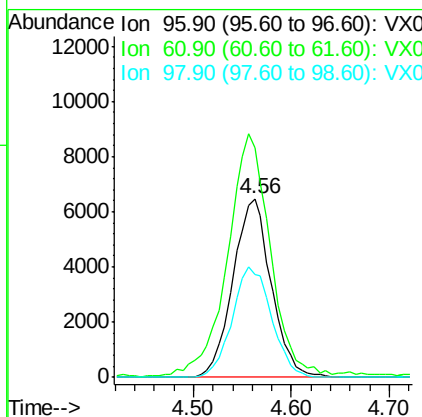
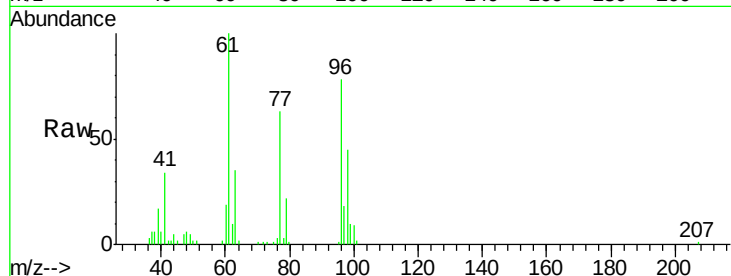
cis-1,2-Dichloroethene
Concen: 5.242 ug/l
RT: 4.56 min Scan# 570
Delta R.T. 0.00 min
Lab File: VX019489.D
Acq: 20 Nov 2020 10:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	153.4	0.0	279.2
98	63.5	0.0	129.8

Manual Integrations
APPROVED

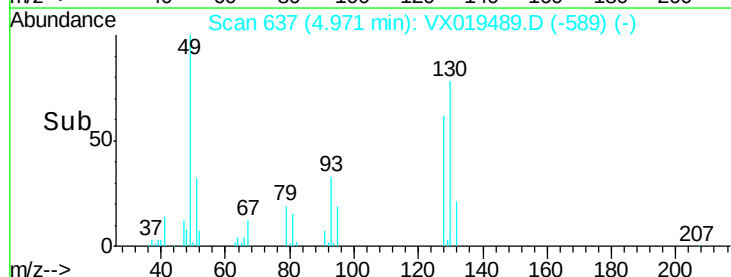
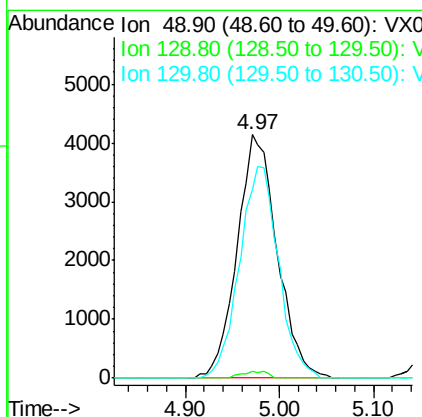
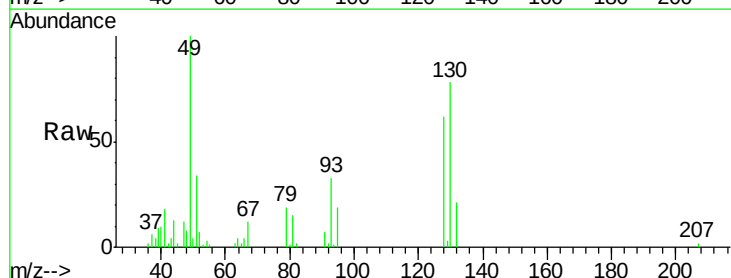
MMDadoda
11/23/2020 3:50:30 PM

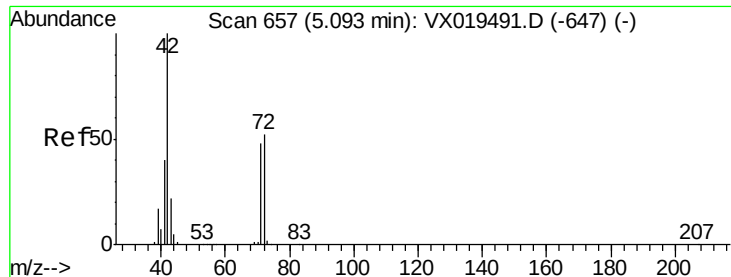


#28

Bromochloromethane
Concen: 5.031 ug/l
RT: 4.97 min Scan# 637
Delta R.T. -0.01 min
Lab File: VX019489.D
Acq: 20 Nov 2020 10:07

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.2
130	84.8	69.0	103.6





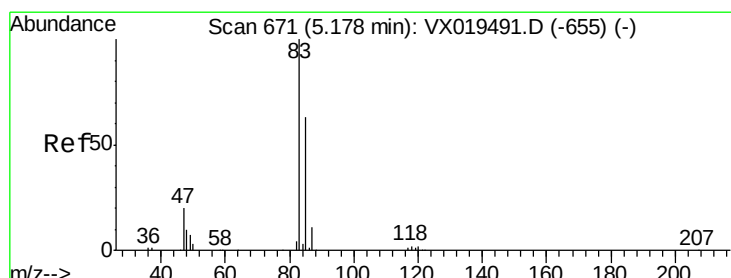
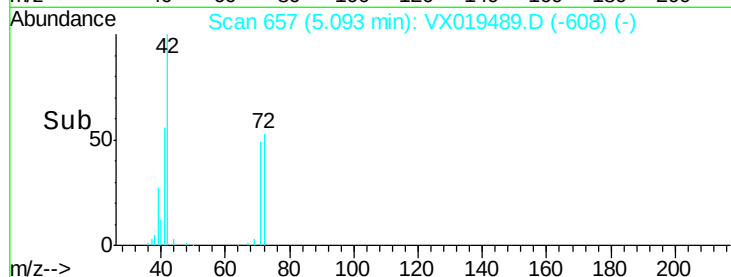
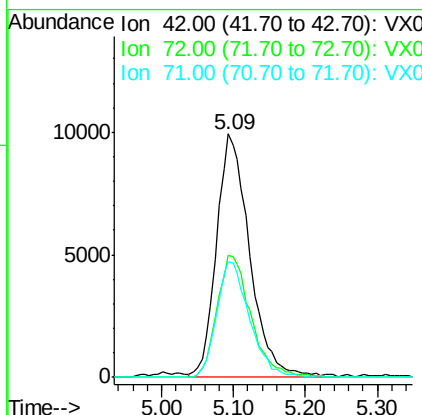
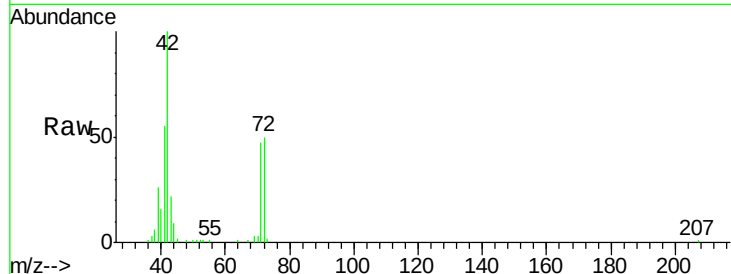
#29
Tetrahydrofuran
Concen: 25.547 ug/l
RT: 5.09 min Scan# 657
Delta R.T. 0.00 min
Lab File: VX019489.D
Acq: 20 Nov 2020 10:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	51.2	42.6	63.8
71	46.9	39.0	58.6

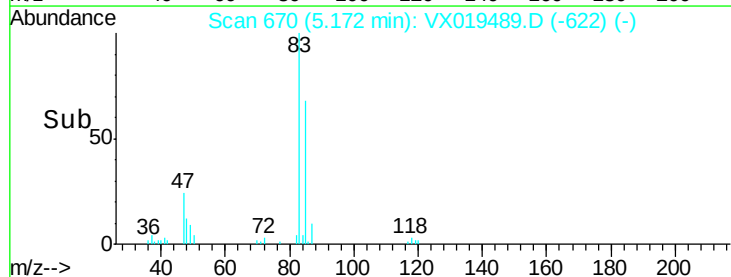
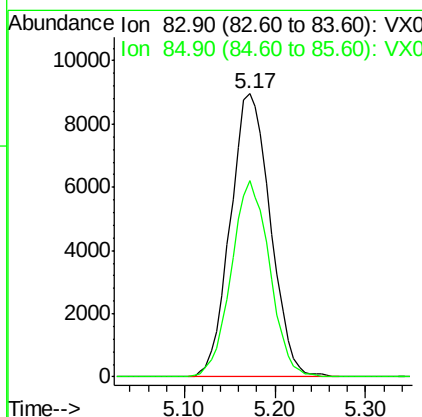
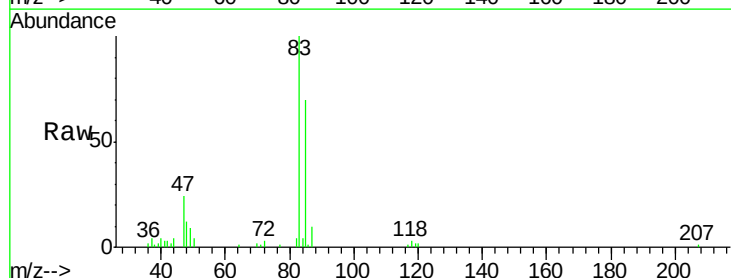
Manual Integrations
APPROVED

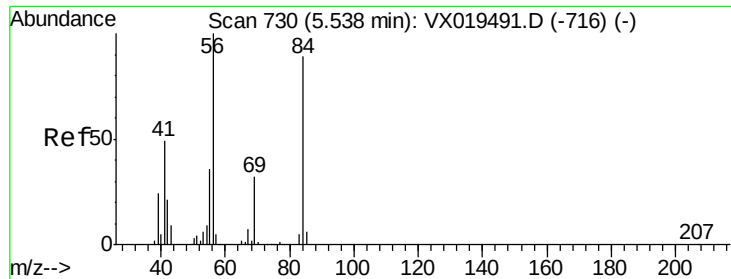
MMDadoda
11/23/2020 3:50:30 PM



#30
Chloroform
Concen: 5.134 ug/l
RT: 5.17 min Scan# 670
Delta R.T. -0.01 min
Lab File: VX019489.D
Acq: 20 Nov 2020 10:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	69.5	50.5	75.7





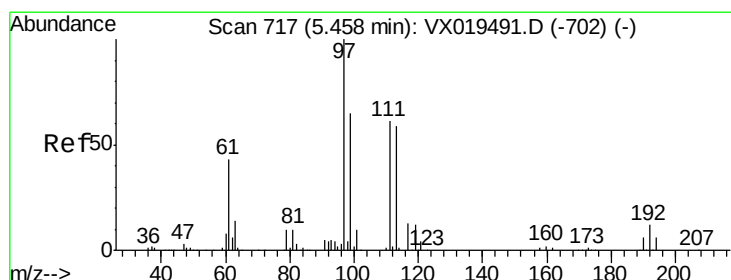
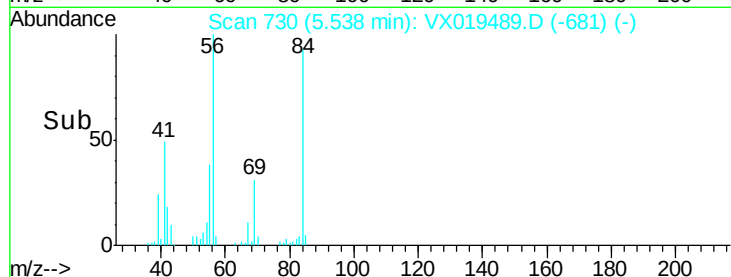
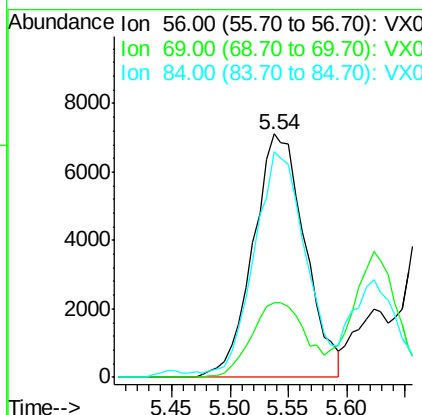
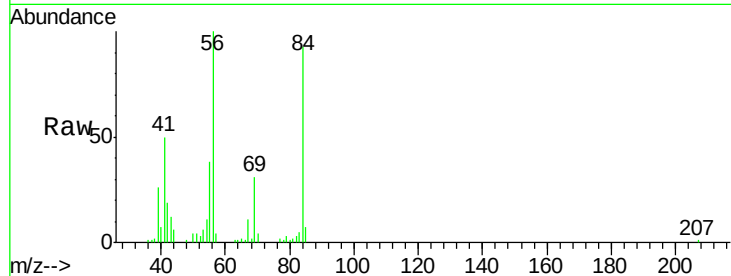
#31
Cyclohexane
Concen: 5.025 ug/l
RT: 5.54 min Scan# 730
Delta R.T. 0.00 min
Lab File: VX019489.D
Acq: 20 Nov 2020 10:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.7	25.5	38.3
84	90.7	71.1	106.7

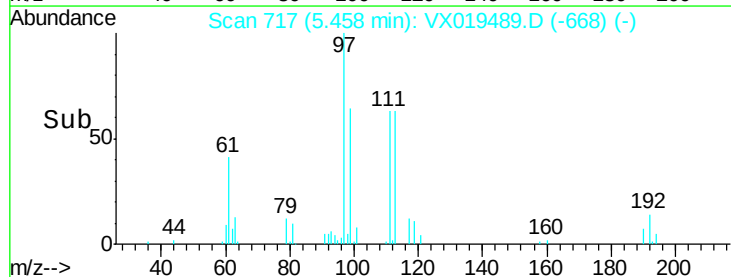
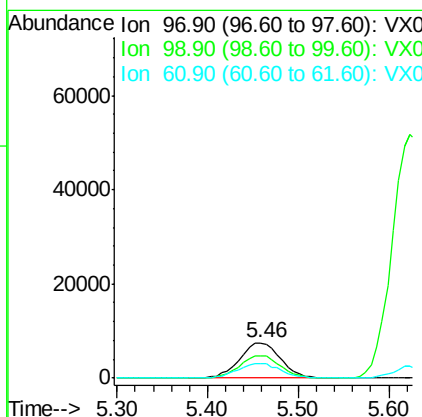
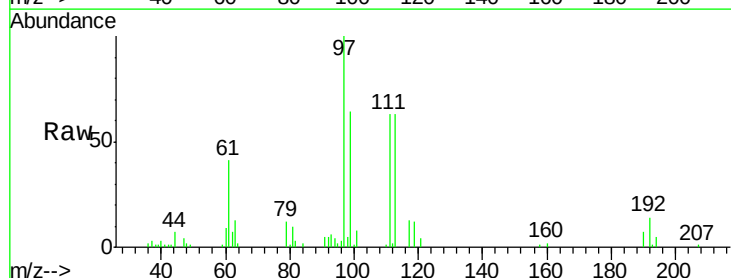
Manual Integrations
APPROVED

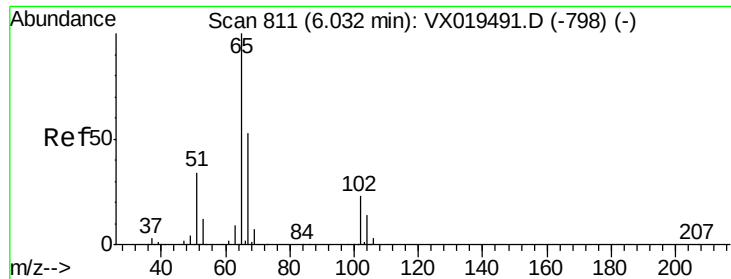
MMDadoda
11/23/2020 3:50:30 PM



#32
1,1,1-Trichloroethane
Concen: 5.138 ug/l
RT: 5.46 min Scan# 717
Delta R.T. 0.00 min
Lab File: VX019489.D
Acq: 20 Nov 2020 10:07

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.5	51.4	77.0
61	43.0	34.2	51.2





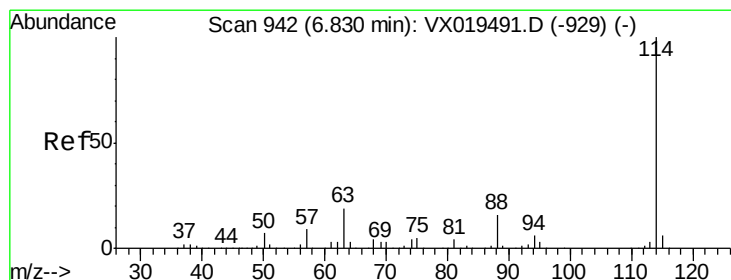
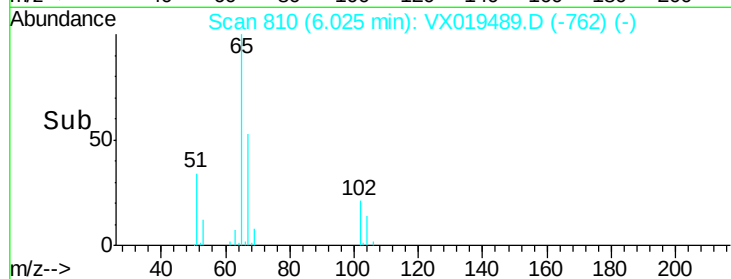
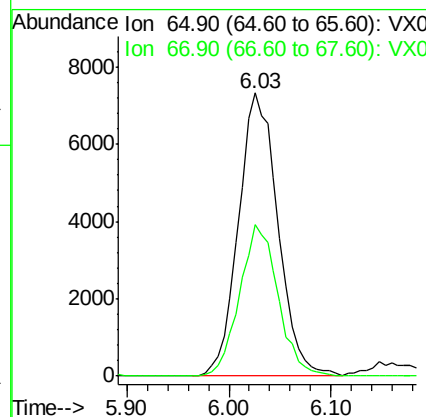
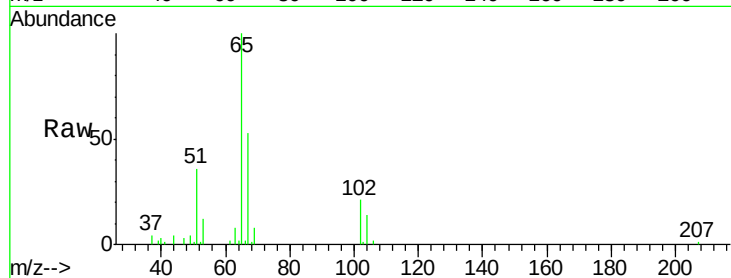
#33
 1,2-Dichloroethane-d4
 Concen: 5.839 ug/l
 RT: 6.03 min Scan# 810
 Delta R.T. -0.01 min
 Lab File: VX019489.D
 Acq: 20 Nov 2020 10:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion: 65 Resp: 19629
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 105.0

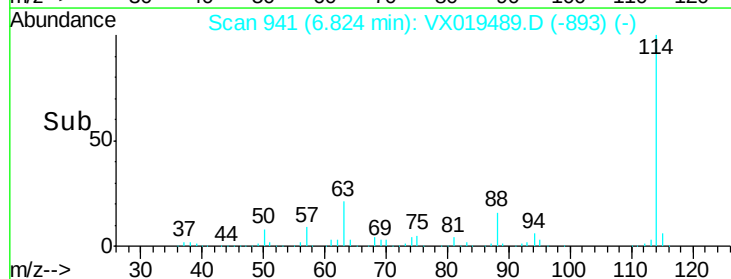
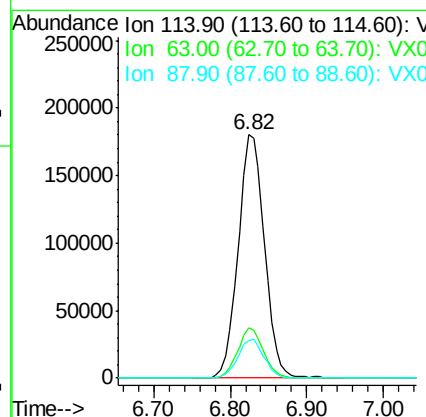
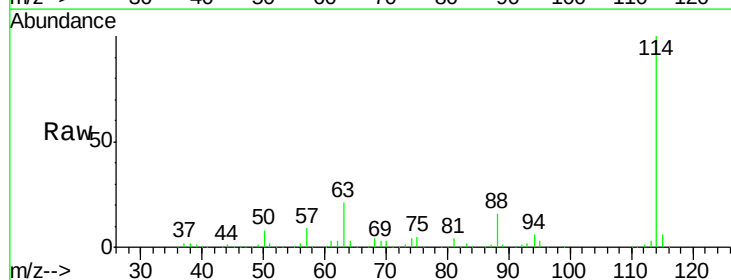
Manual Integrations
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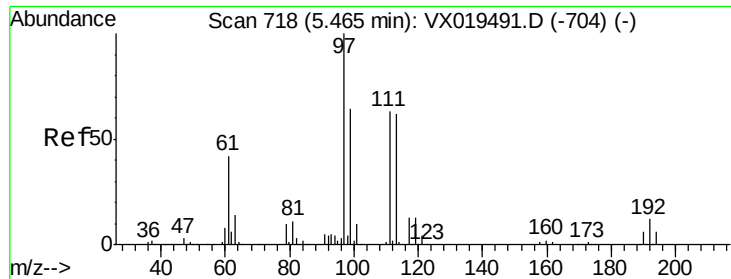
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 11/23/2020 3:50:30 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.82 min Scan# 941
 Delta R.T. -0.01 min
 Lab File: VX019489.D
 Acq: 20 Nov 2020 10:07

Tgt Ion: 114 Resp: 429046
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 38.8
 88 15.6 0.0 31.6





#35

Dibromofluoromethane

Concen: 5.253 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.00 min

Lab File: VX019489.D

Acq: 20 Nov 2020 10:07

Instrument :

MSVOA_X

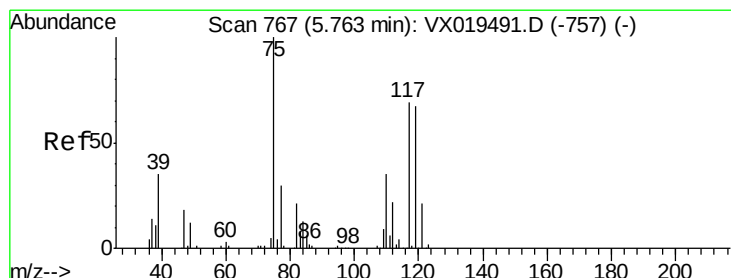
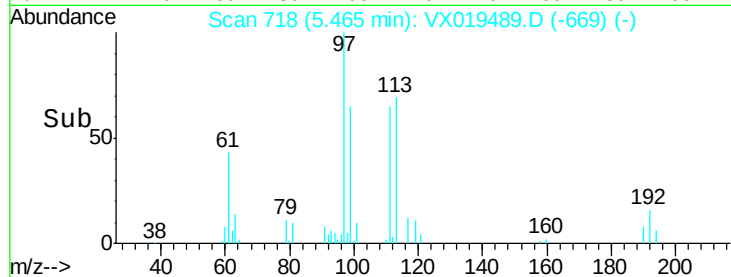
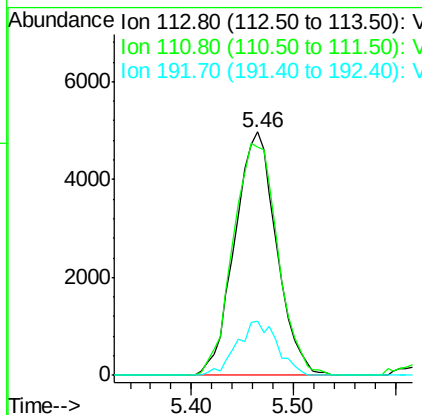
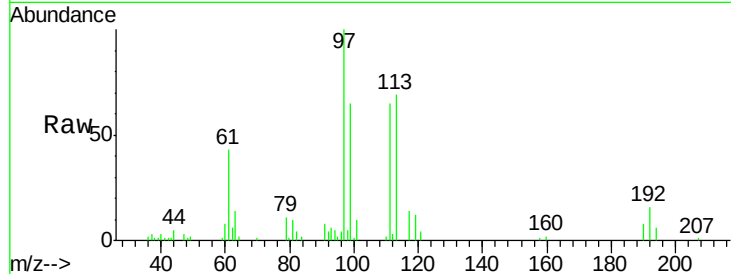
ClientSampleId :

VSTDIC005

Tot Ion:	113	Resp:	14147
Ion	Ratio	Lower	Upper
113	100		
111	101.8	81.5	122.3
192	21.4	16.2	24.2

Manual Integrations
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MMDadoda
11/23/2020 3:50:30 PM



#36

1,1-Dichloropropene

Concen: 5.112 ug/l

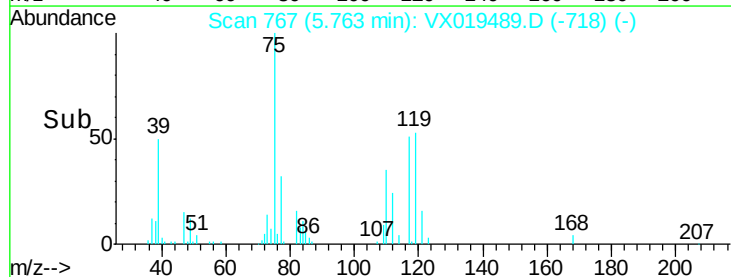
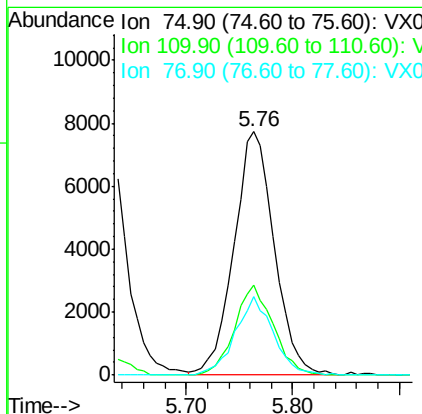
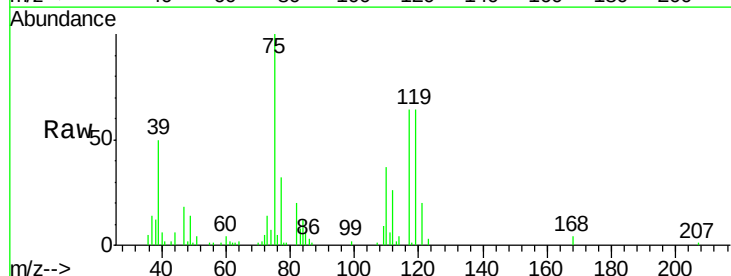
RT: 5.76 min Scan# 767

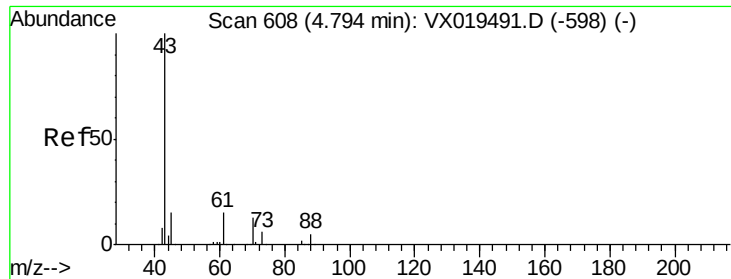
Delta R.T. 0.00 min

Lab File: VX019489.D

Acq: 20 Nov 2020 10:07

Tgt Ion:	75	Resp:	20564
Ion	Ratio	Lower	Upper
75	100		
110	35.3	18.1	54.3
77	30.3	24.2	36.4





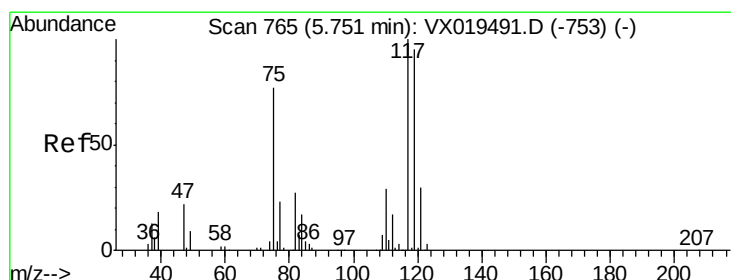
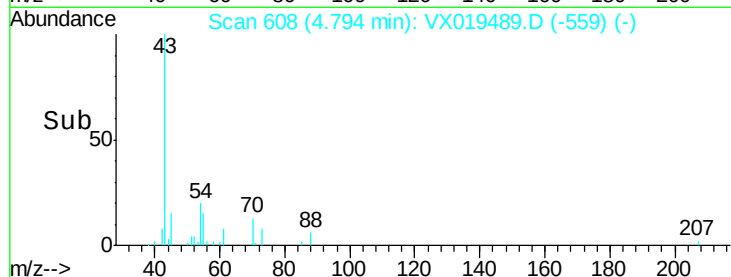
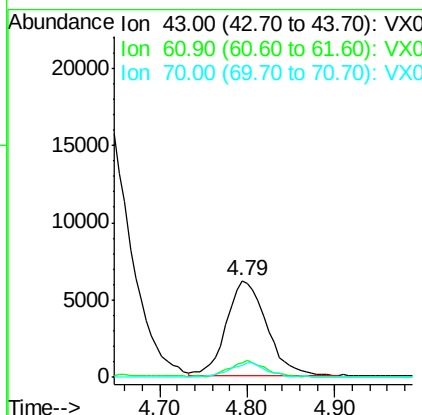
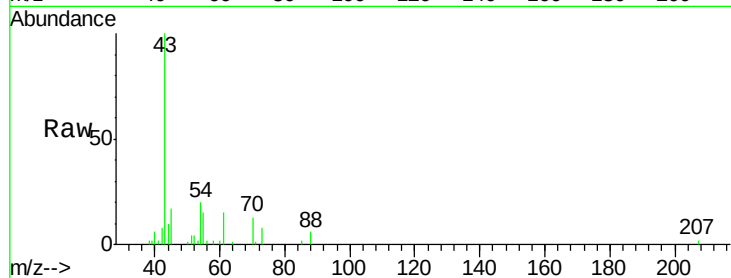
#37
Ethyl Acetate
Concen: 5.259 ug/l
RT: 4.79 min Scan# 608
Delta R.T. 0.00 min
Lab File: VX019489.D
Acq: 20 Nov 2020 10:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.3	12.7	19.1
70	13.2	10.2	15.2

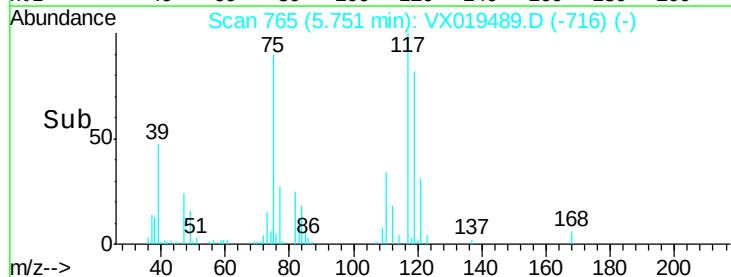
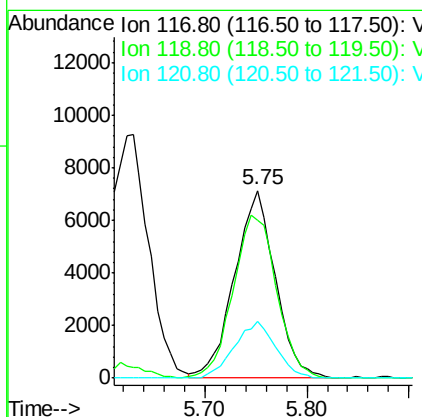
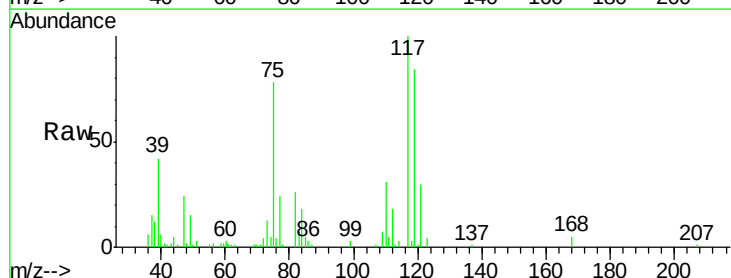
Manual Integrations
APPROVED

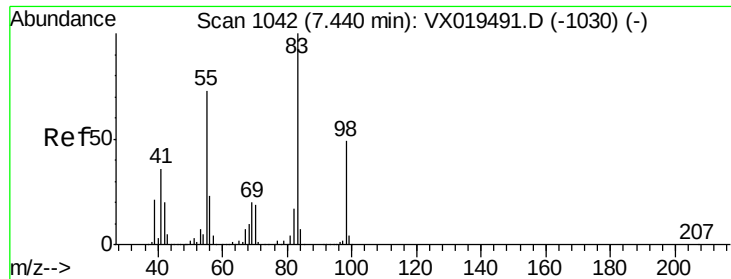
MMDadoda
11/23/2020 3:50:30 PM



#38
Carbon Tetrachloride
Concen: 5.075 ug/l
RT: 5.75 min Scan# 765
Delta R.T. 0.00 min
Lab File: VX019489.D
Acq: 20 Nov 2020 10:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	84.4	75.9	113.9
121	30.4	24.0	36.0





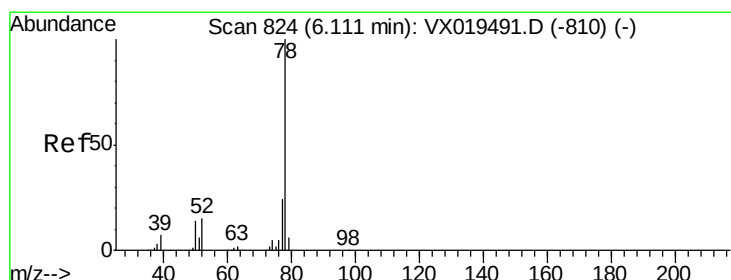
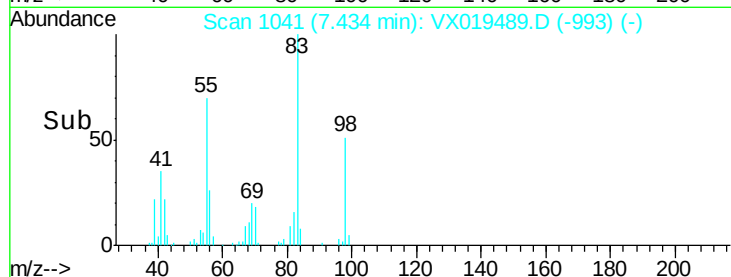
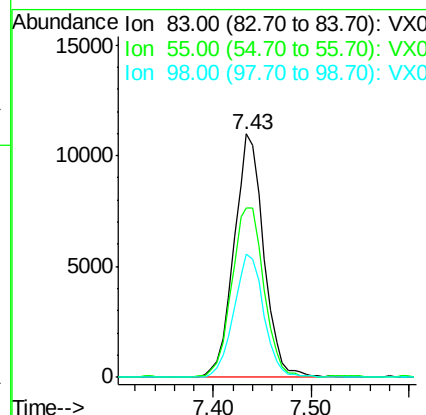
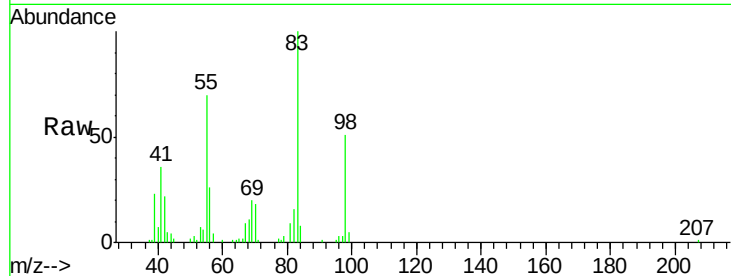
#39
Methylvlcyclohexane
Concen: 4.922 ug/l
RT: 7.43 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VX019489.D
Acq: 20 Nov 2020 10:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.5	58.3	87.5
98	50.7	38.9	58.3

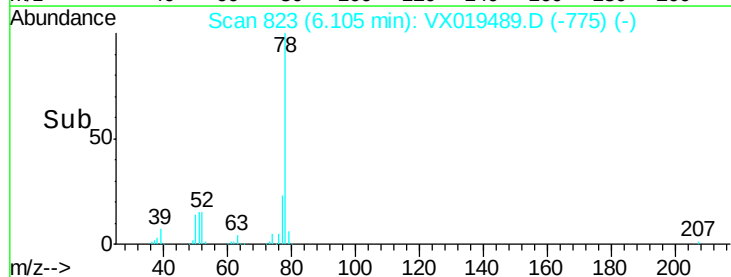
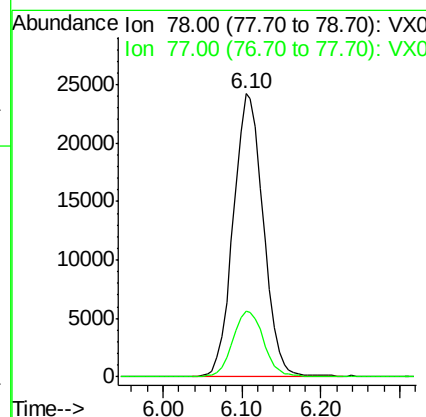
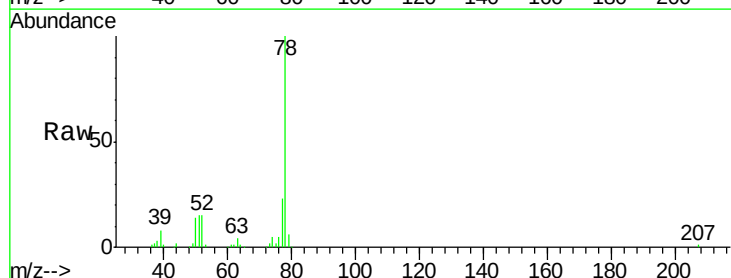
Manual Integrations
APPROVED

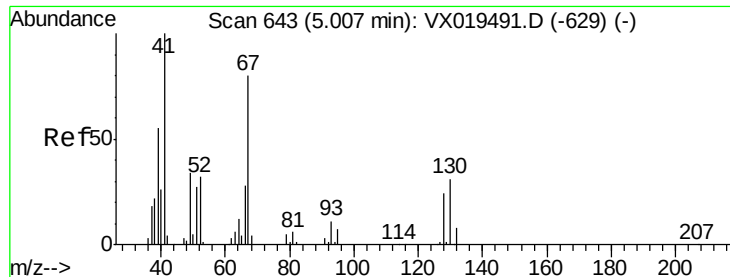
MMDadoda
11/23/2020 3:50:30 PM



#40
Benzene
Concen: 5.191 ug/l
RT: 6.10 min Scan# 823
Delta R.T. -0.01 min
Lab File: VX019489.D
Acq: 20 Nov 2020 10:07

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.9	28.3





#41

Methacrylonitrile

Concen: 4.892 ug/l

RT: 5.01 min Scan# 644

Delta R.T. 0.01 min

Lab File: VX019489.D

Acq: 20 Nov 2020 10:07

Instrument :

MSVOA_X

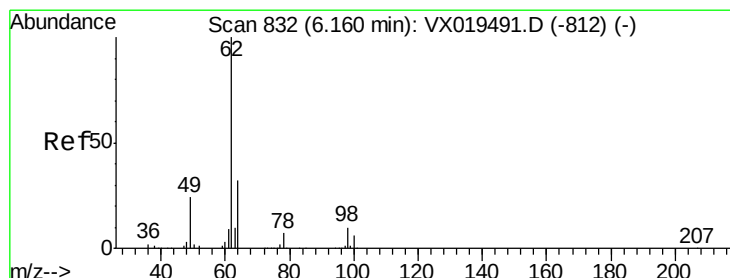
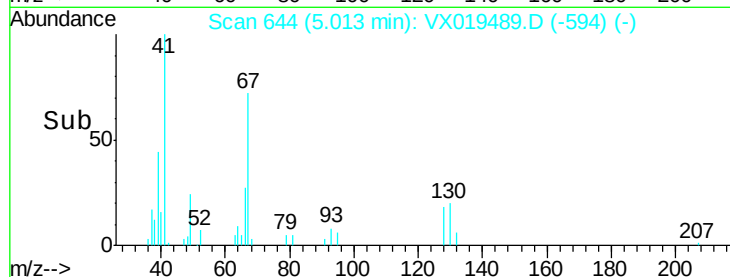
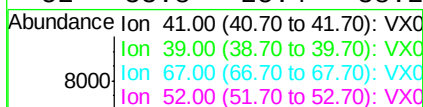
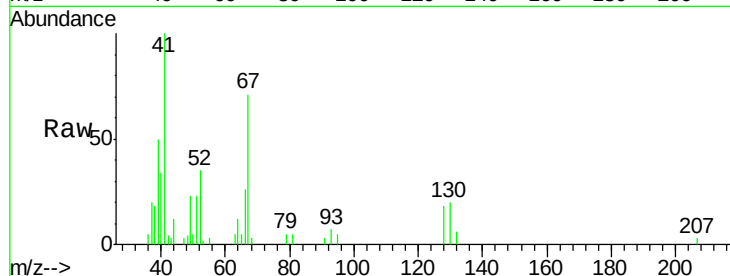
ClientSampleId :

VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.4	43.3	64.9	
67	84.2	66.0	99.0	
52	33.8	25.4	38.2	

Manual Integrations
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MMDadoda
11/23/2020 3:50:30 PM



#42

1,2-Dichloroethane

Concen: 5.246 ug/l

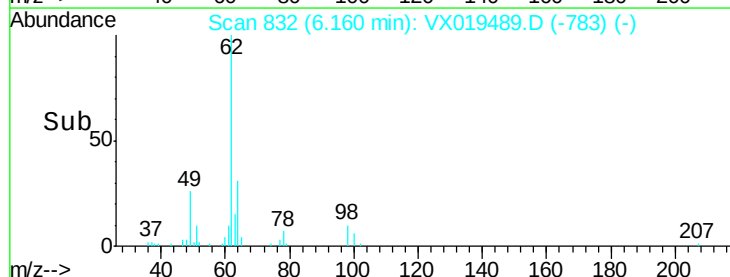
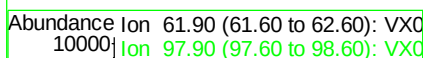
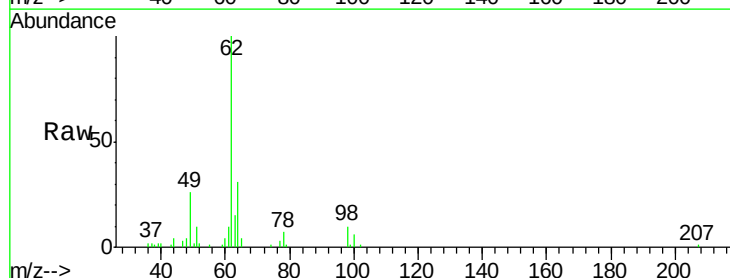
RT: 6.16 min Scan# 832

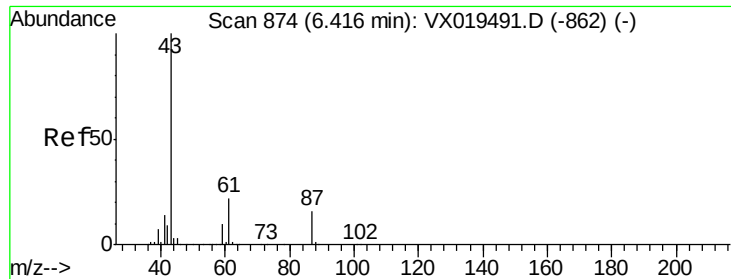
Delta R.T. 0.00 min

Lab File: VX019489.D

Acq: 20 Nov 2020 10:07

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.3	0.0	20.0	





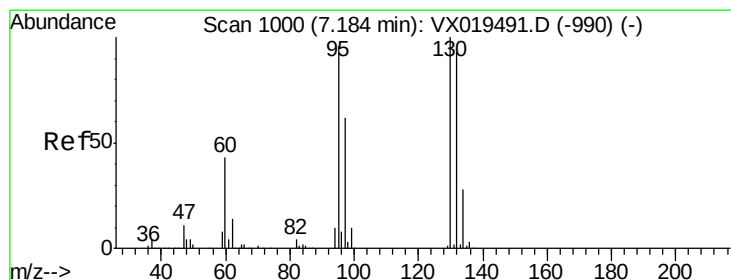
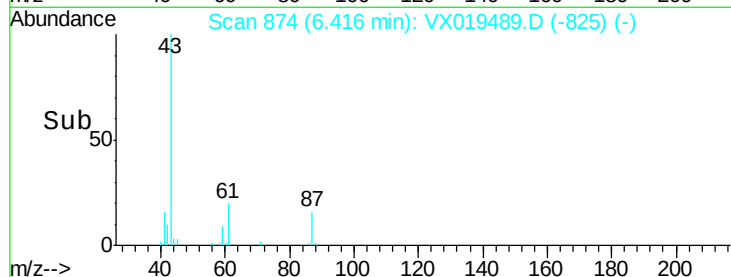
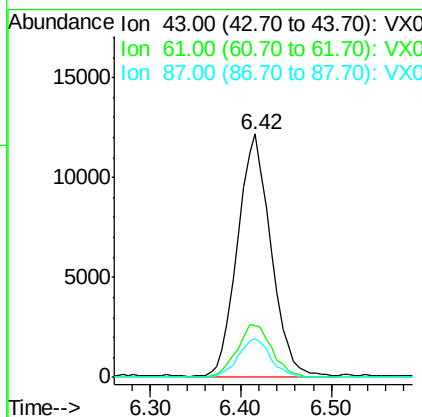
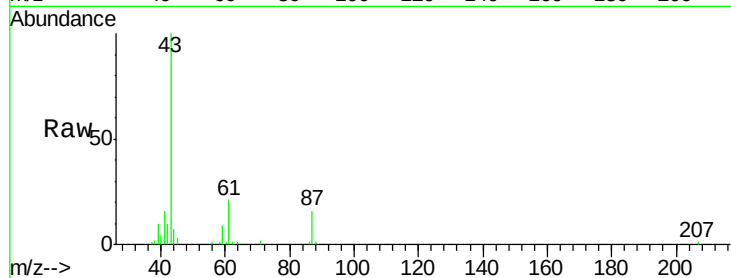
#43
Isopropyl Acetate
Concen: 4.967 ug/l
RT: 6.42 min Scan# 874
Delta R.T. 0.00 min
Lab File: VX019489.D
Acq: 20 Nov 2020 10:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	22.0	18.2	27.2
87	15.1	12.6	18.8

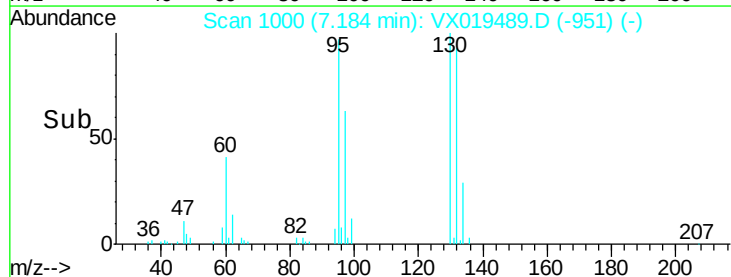
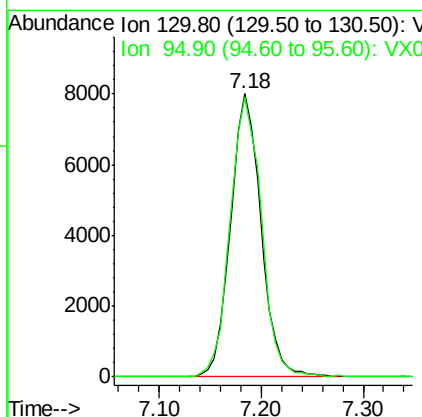
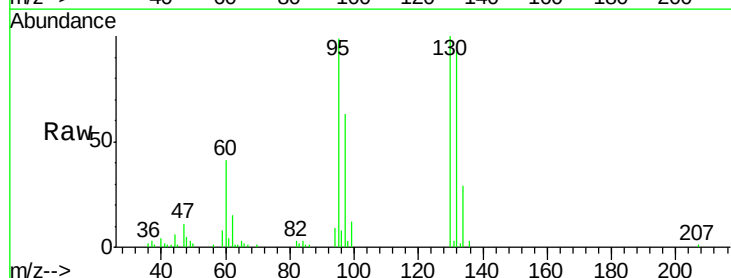
Manual Integrations
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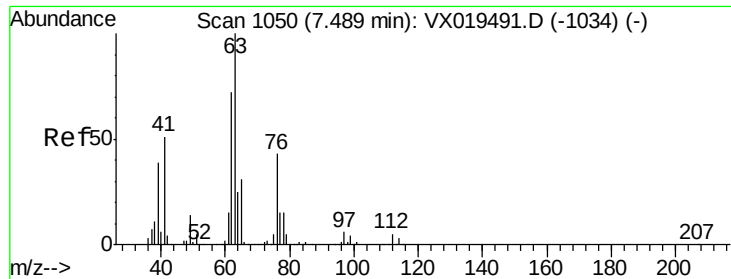
MMDadoda
11/23/2020 3:50:30 PM



#44
Trichloroethene
Concen: 5.104 ug/l
RT: 7.18 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VX019489.D
Acq: 20 Nov 2020 10:07

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.6	0.0	191.2





#45

1,2-Dichloropropane

Concen: 5.094 ug/l

RT: 7.49 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VX019489.D

Acq: 20 Nov 2020 10:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 63 Resp: 15498

Ion Ratio Lower Upper

63 100

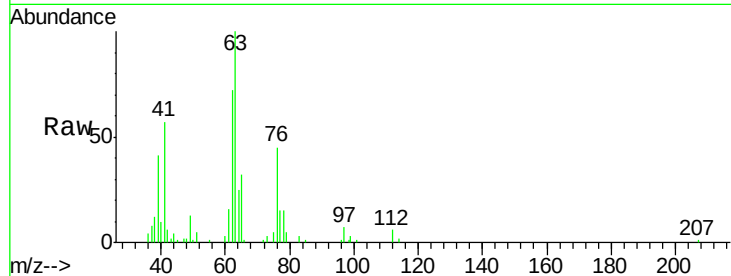
65 31.6 25.0 37.4

Manual Integrations

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MMDadoda

11/23/2020 3:50:30 PM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.49

8000

6000

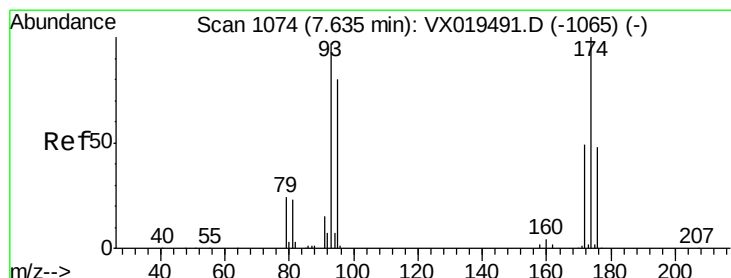
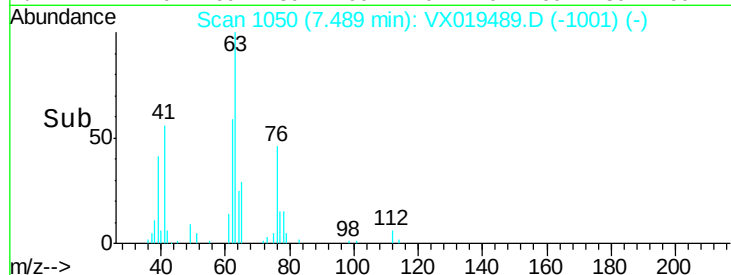
4000

2000

0

7.40 7.50 7.60

Time-->



#46

Dibromomethane

Concen: 5.105 ug/l

RT: 7.63 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VX019489.D

Acq: 20 Nov 2020 10:07

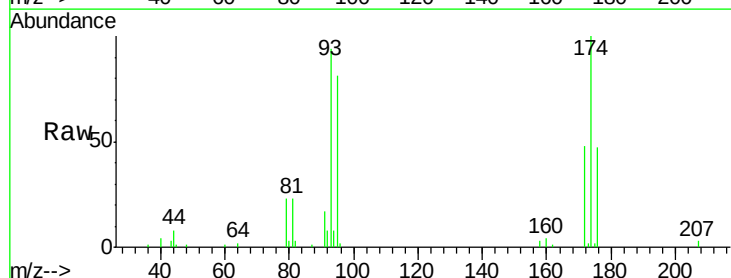
Tgt Ion: 93 Resp: 10630

Ion Ratio Lower Upper

93 100

95 80.6 66.8 100.2

174 103.3 83.0 124.4



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

8000

6000

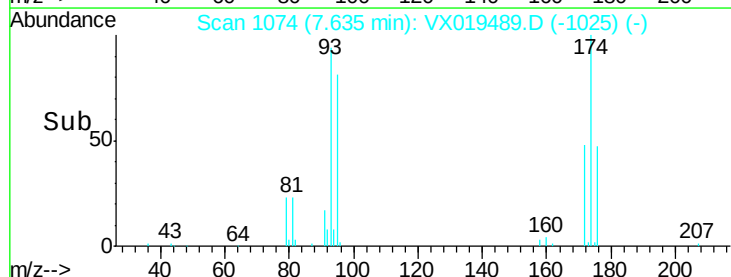
4000

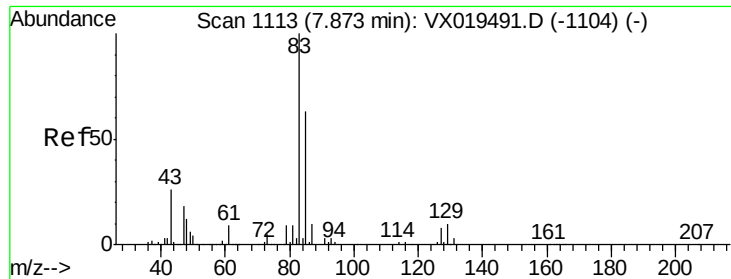
2000

0

7.55 7.60 7.65 7.70

Time-->





#47

Bromodichloromethane

Concen: 4.784 ug/l

RT: 7.87 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VX019489.D

Acq: 20 Nov 2020 10:07

Instrument :

MSVOA_X

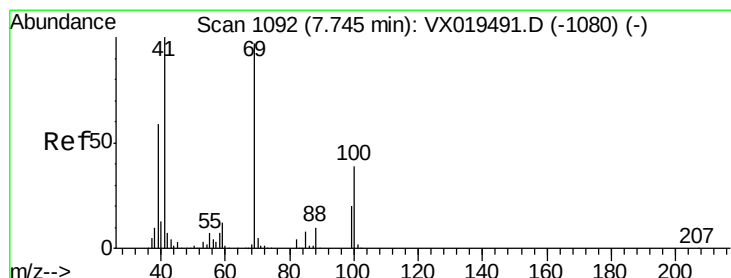
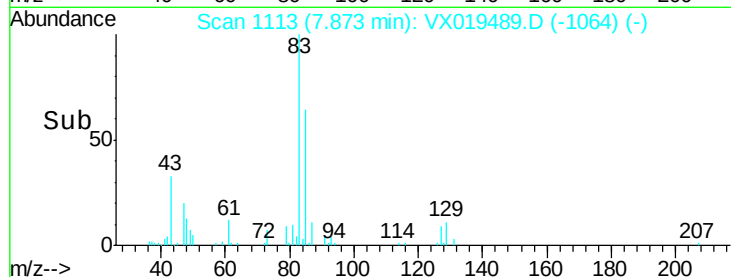
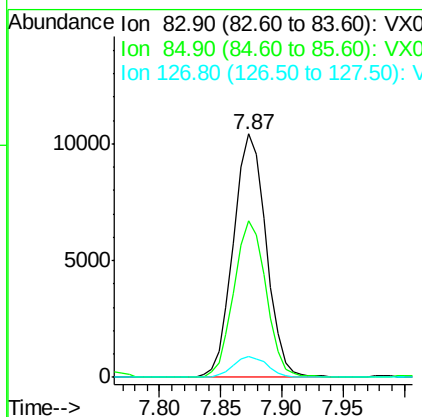
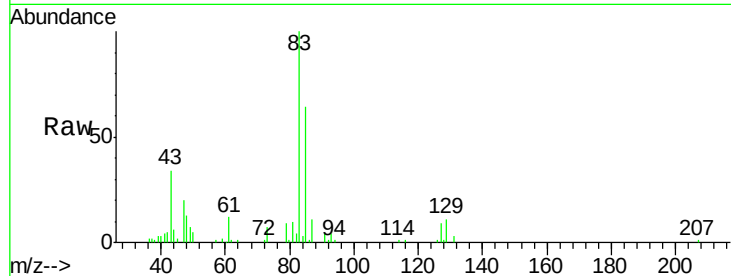
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	19329
Ion	Ratio	Lower	Upper
83	100		
85	64.1	50.2	75.2
127	8.6	6.4	9.6

Manual Integrations
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MMDadoda
11/23/2020 3:50:30 PM



#48

Methyl methacrylate

Concen: 4.899 ug/l

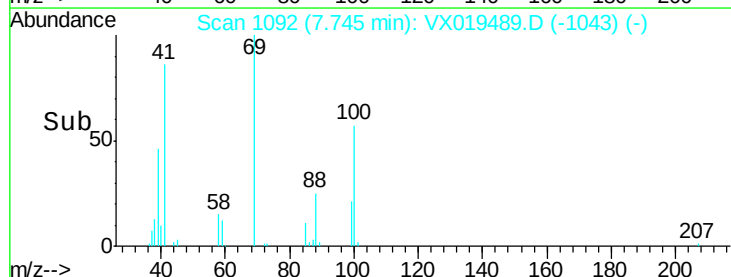
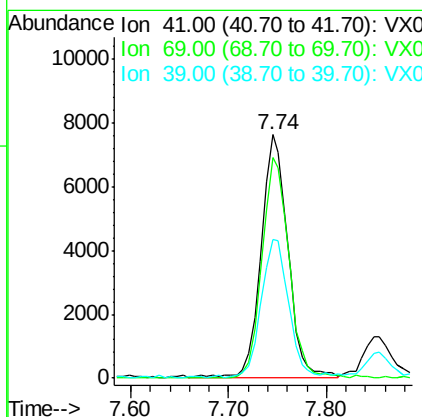
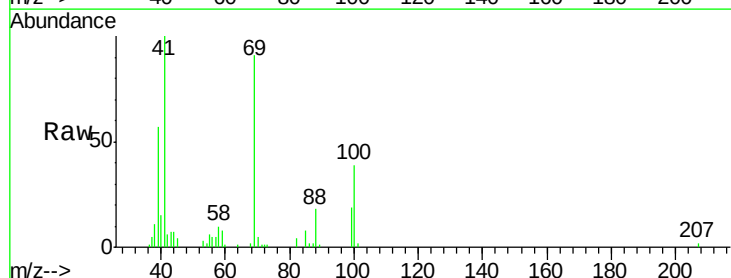
RT: 7.74 min Scan# 1092

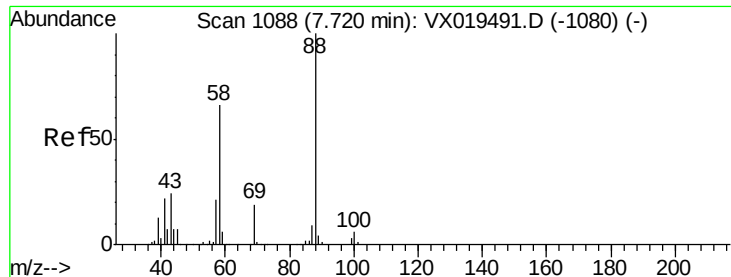
Delta R.T. 0.00 min

Lab File: VX019489.D

Acq: 20 Nov 2020 10:07

Tgt Ion:	41	Resp:	14563
Ion	Ratio	Lower	Upper
41	100		
69	90.8	77.0	115.6
39	58.3	45.6	68.4





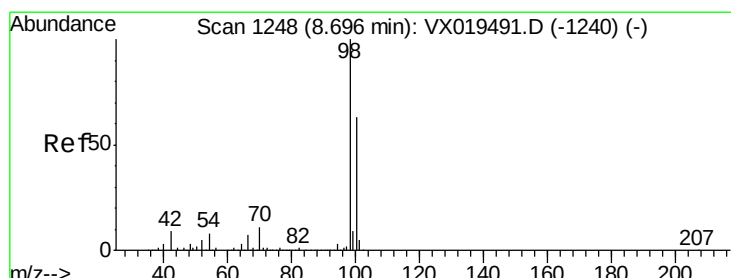
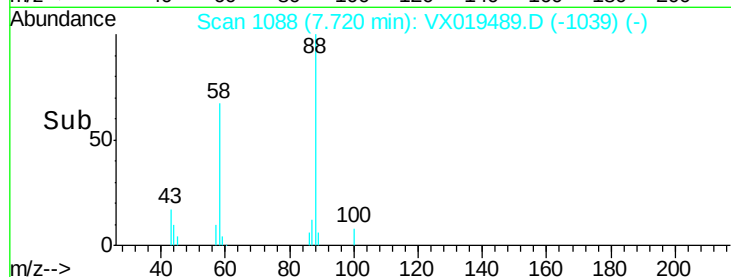
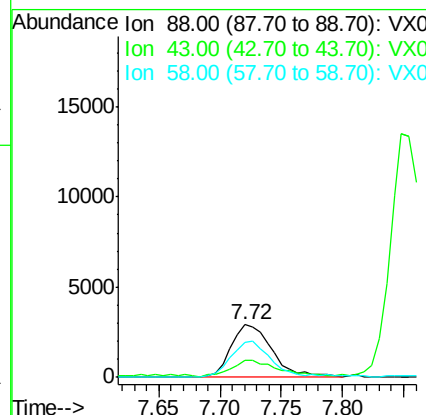
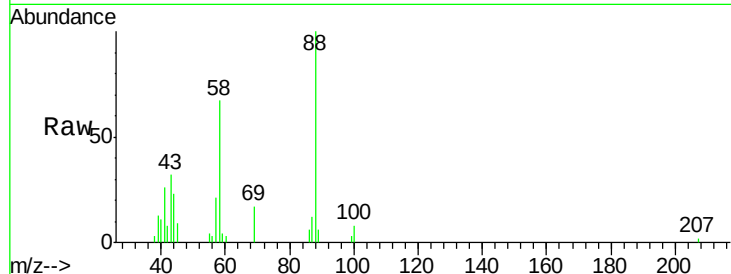
#49
1,4-Dioxane
Concen: 102.048 ug/l
RT: 7.72 min Scan# 1088
Delta R.T. 0.00 min
Lab File: VX019489.D
Acq: 20 Nov 2020 10:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.6	23.8	35.6#
58	64.4	54.2	81.2

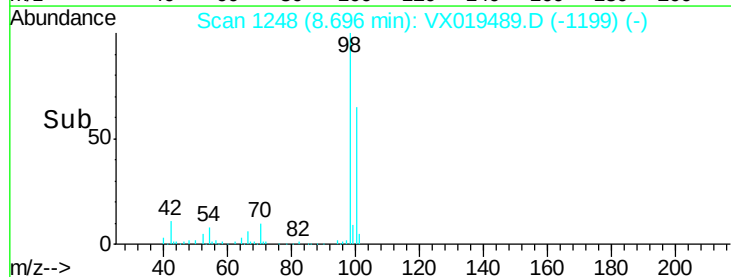
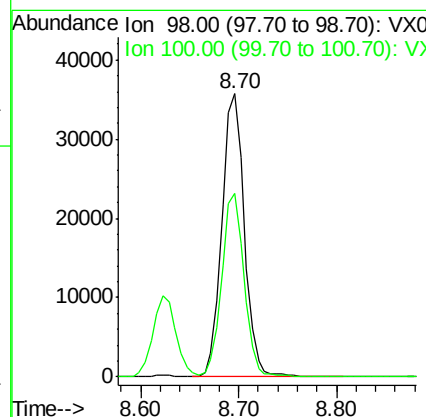
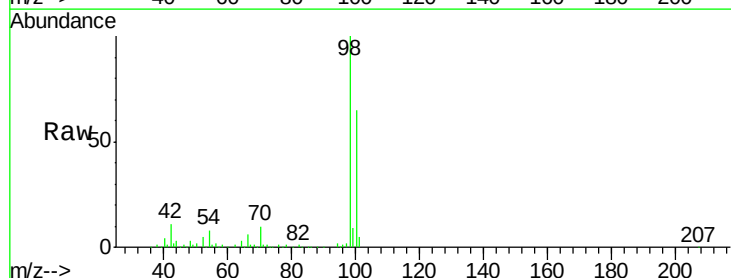
Manual Integrations
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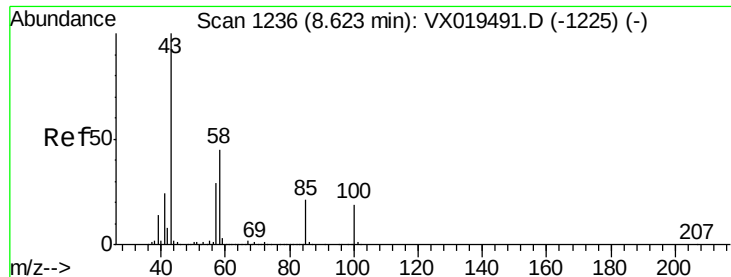
MMDadoda
11/23/2020 3:50:30 PM



#50
Toluene-d8
Concen: 5.457 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX019489.D
Acq: 20 Nov 2020 10:07

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.4	78.6





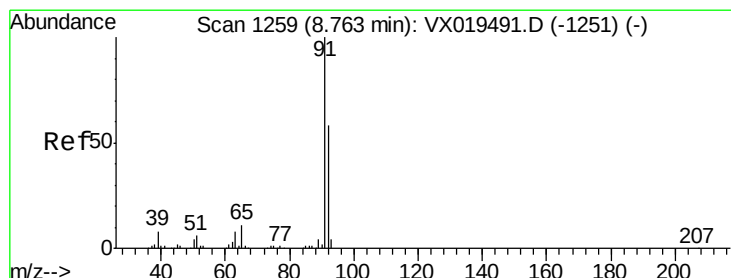
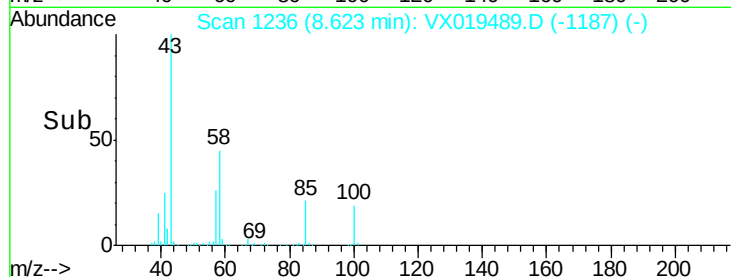
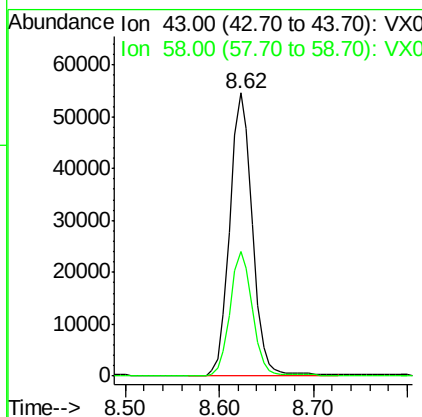
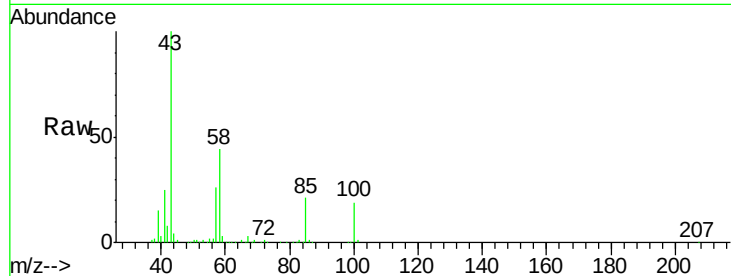
#51
4-Methyl-2-Pentanone
Concen: 24.606 ug/l
RT: 8.62 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VX019489.D
Acq: 20 Nov 2020 10:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 91081
Ion Ratio Lower Upper
43 100
58 43.4 35.1 52.7

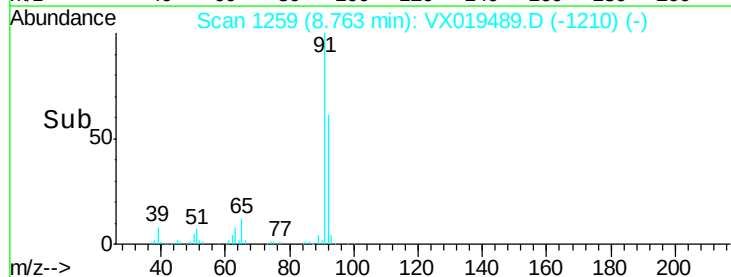
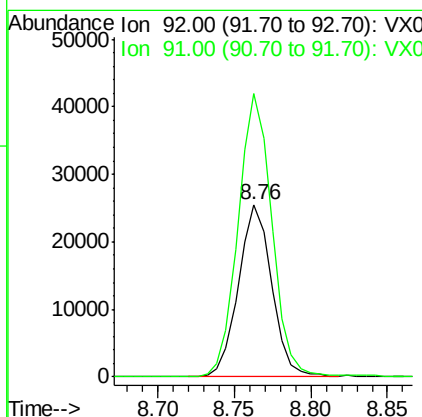
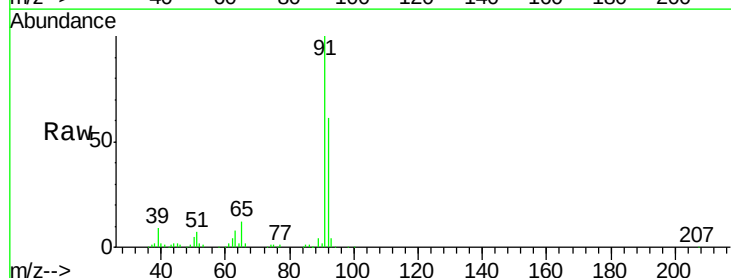
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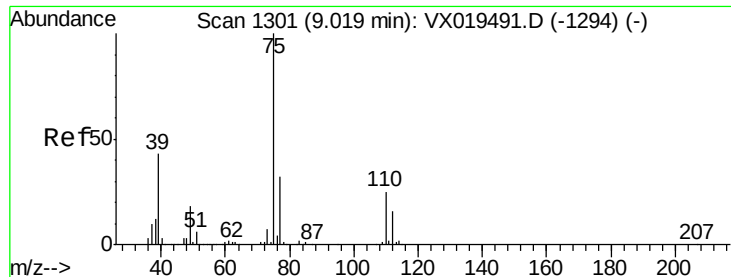
MMDadoda
11/23/2020 3:50:30 PM



#52
Toluene
Concen: 5.096 ug/l
RT: 8.76 min Scan# 1259
Delta R.T. 0.00 min
Lab File: VX019489.D
Acq: 20 Nov 2020 10:07

Tgt Ion: 92 Resp: 38527
Ion Ratio Lower Upper
92 100
91 167.9 138.1 207.1





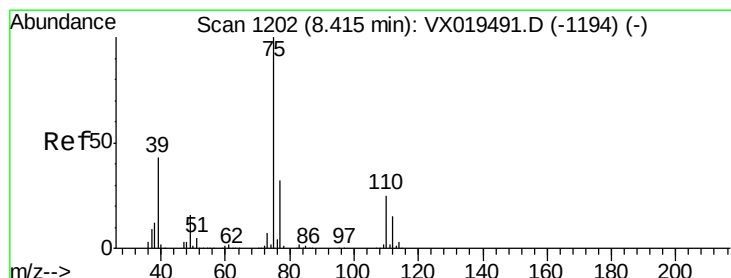
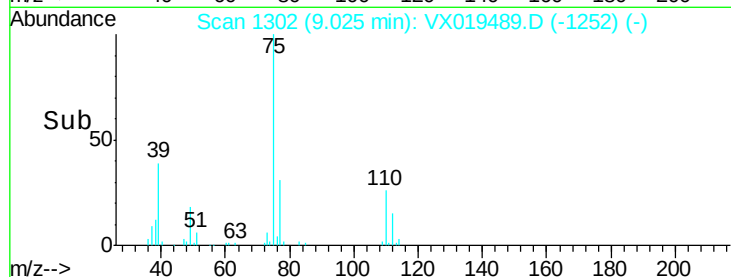
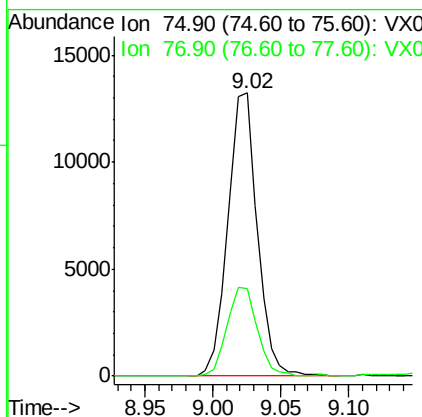
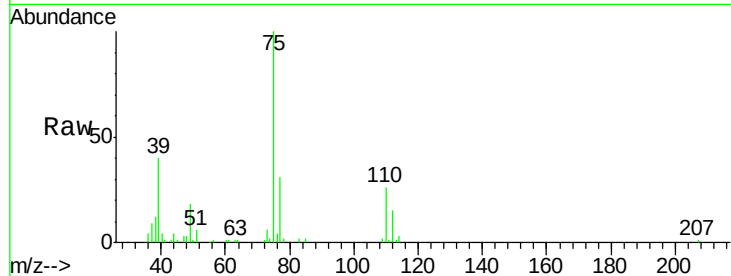
#53
 t-1,3-Dichloropropene
 Concen: 4.561 ug/l
 RT: 9.02 min Scan# 1302
 Delta R.T. 0.01 min
 Lab File: VX019489.D
 Acq: 20 Nov 2020 10:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion: 75 Resp: 19904
 Ion Ratio Lower Upper
 75 100
 77 31.0 25.3 37.9

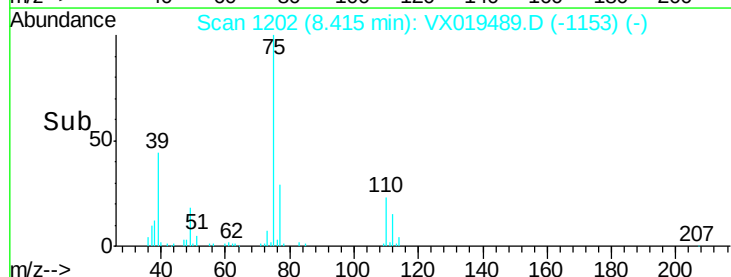
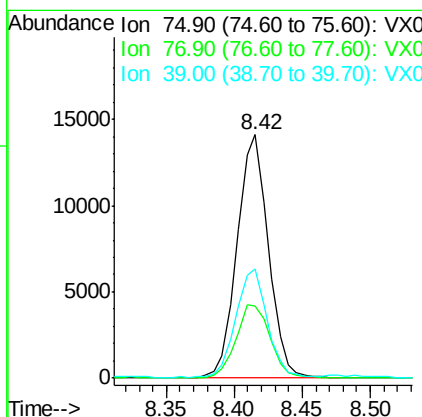
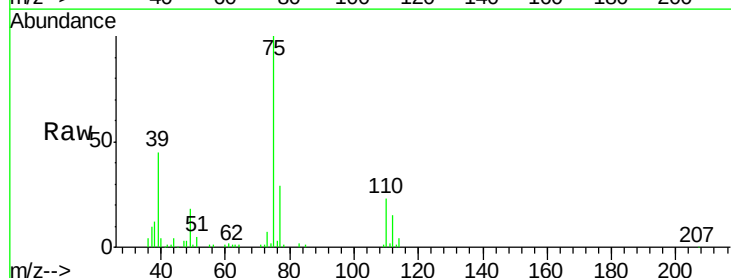
Manual Integrations
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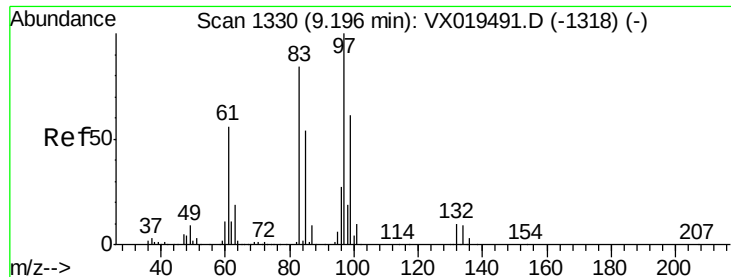
MMDadoda
 11/23/2020 3:50:30 PM



#54
 cis-1,3-Dichloropropene
 Concen: 4.650 ug/l
 RT: 8.42 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: VX019489.D
 Acq: 20 Nov 2020 10:07

Tgt Ion: 75 Resp: 22518
 Ion Ratio Lower Upper
 75 100
 77 29.5 25.8 38.6
 39 44.4 34.6 51.8





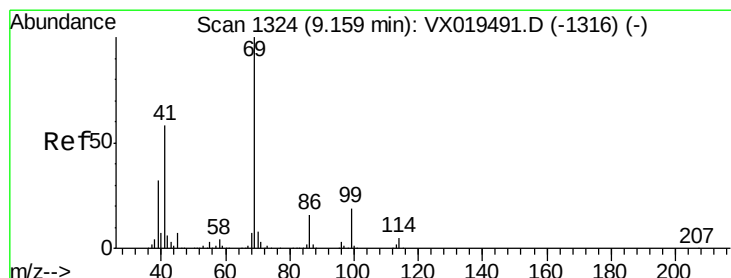
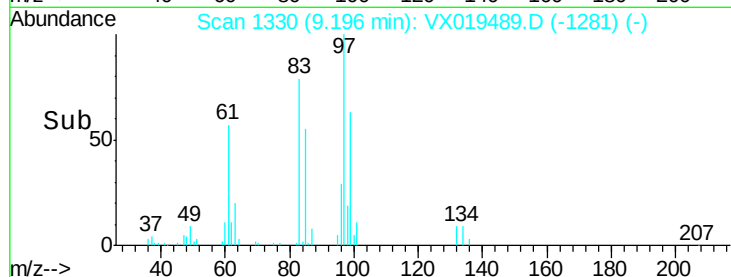
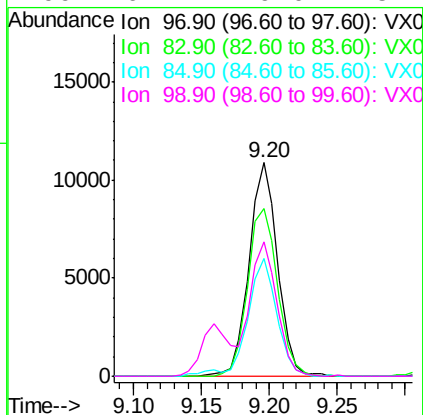
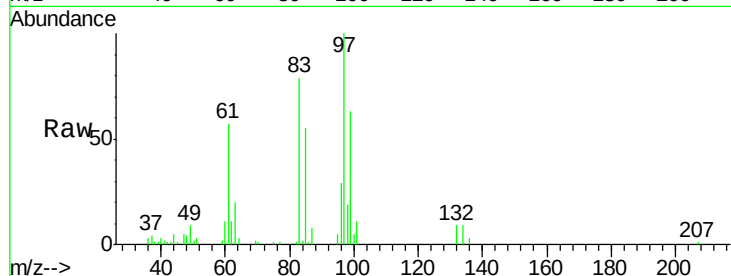
#55
 1,1,2-Trichloroethane
 Concen: 5.190 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VX019489.D
 Acq: 20 Nov 2020 10:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	15979
Ion	Ratio	Lower	Upper
97	100		
83	78.7	67.0	100.6
85	55.4	43.4	65.0
99	62.7	49.0	73.4

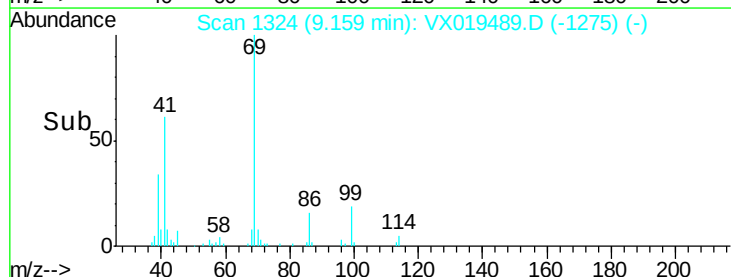
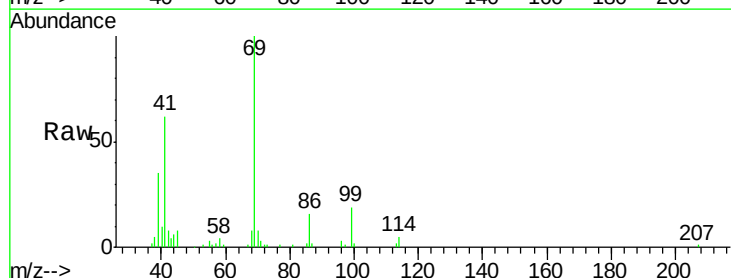
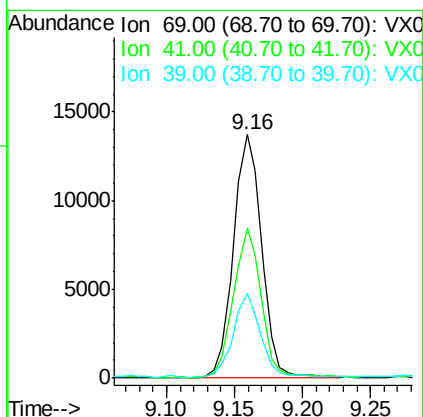
Manual Integrations
 APPROVED

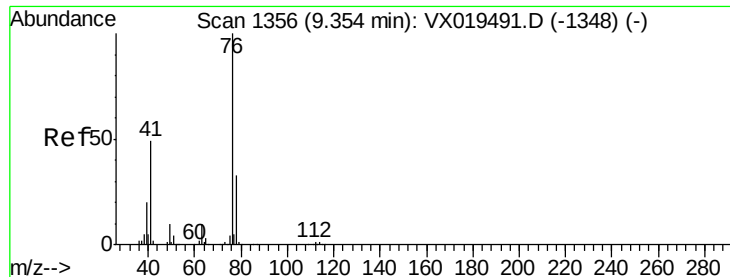
MMDadoda
 11/23/2020 3:50:30 PM



#56
 Ethyl methacrylate
 Concen: 4.566 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VX019489.D
 Acq: 20 Nov 2020 10:07

Tgt Ion:	69	Resp:	19895
Ion	Ratio	Lower	Upper
69	100		
41	61.3	46.2	69.2
39	35.5	25.5	38.3





#57

1,3-Dichloropropane

Concen: 5.119 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. 0.00 min

Lab File: VX019489.D

Acq: 20 Nov 2020 10:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 26391

Ion Ratio Lower Upper

76 100

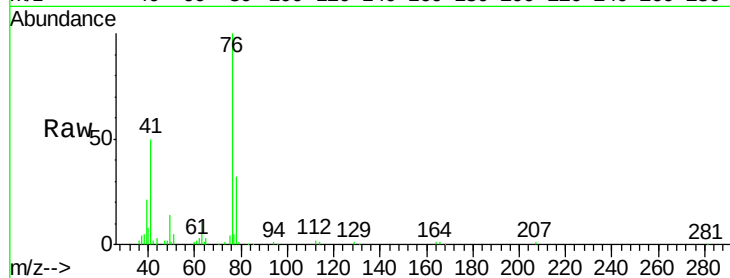
78 32.3 25.7 38.5

Manual Integrations

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MMDadoda

11/23/2020 3:50:30 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

20000

15000

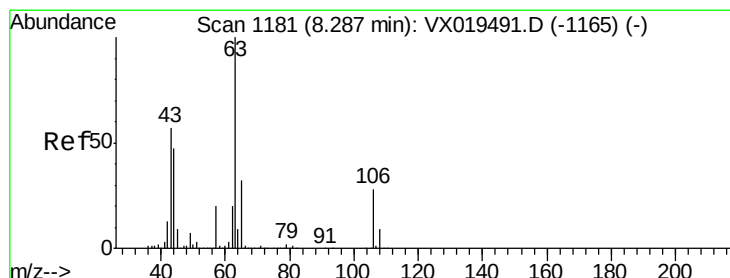
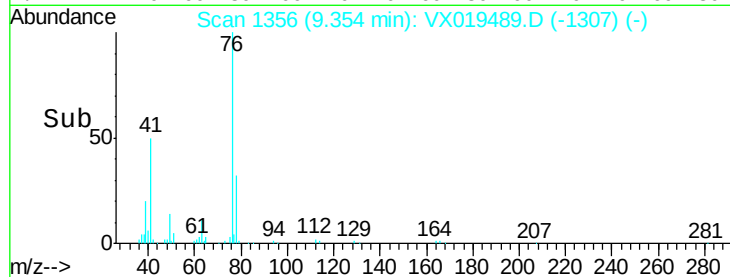
10000

5000

0

9.30 9.35 9.40 9.45

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 22.232 ug/l

RT: 8.29 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VX019489.D

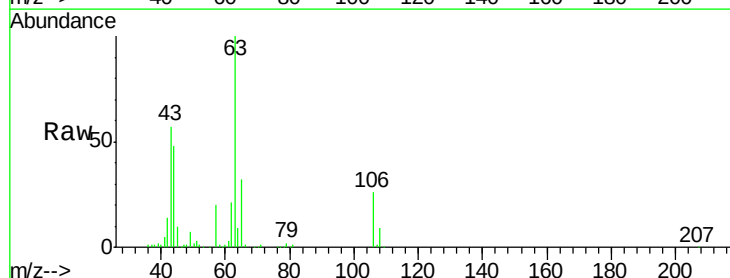
Acq: 20 Nov 2020 10:07

Tgt Ion: 63 Resp: 56757

Ion Ratio Lower Upper

63 100

106 29.5 23.7 35.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

40000

30000

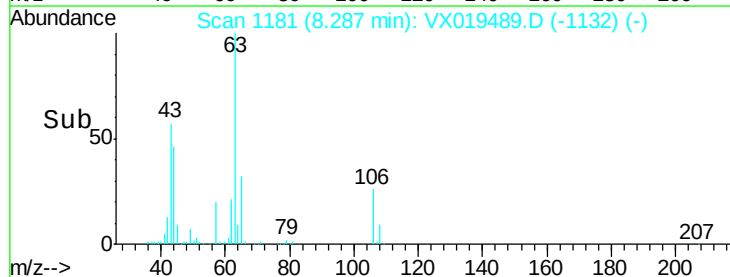
20000

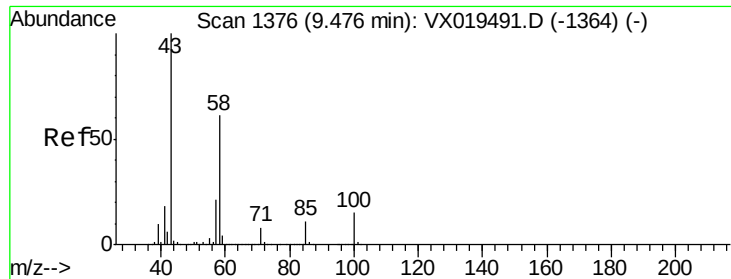
10000

0

8.20 8.30 8.40

Time-->





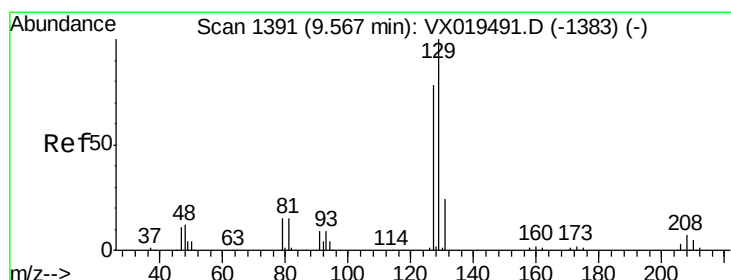
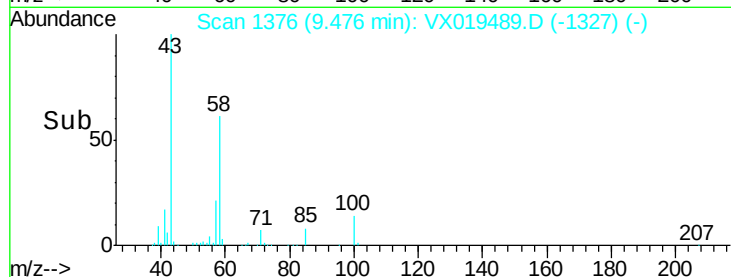
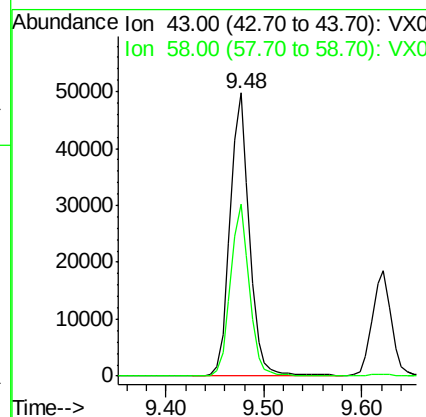
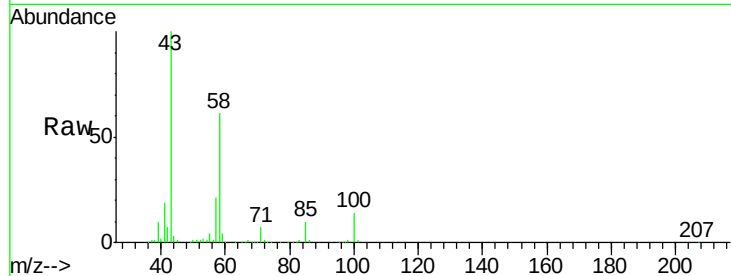
#59
2-Hexanone
Concen: 24.261 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. 0.00 min
Lab File: VX019489.D
Acq: 20 Nov 2020 10:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 68107
Ion Ratio Lower Upper
43 100
58 59.7 30.6 91.6

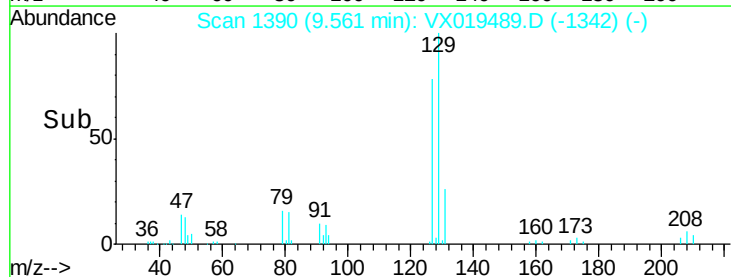
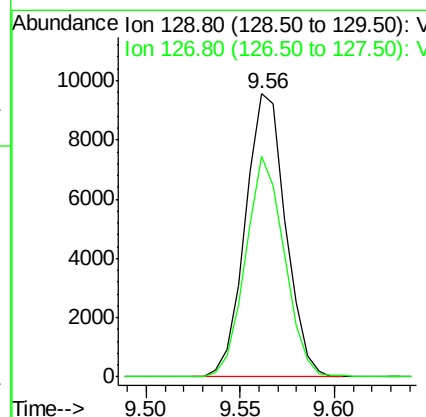
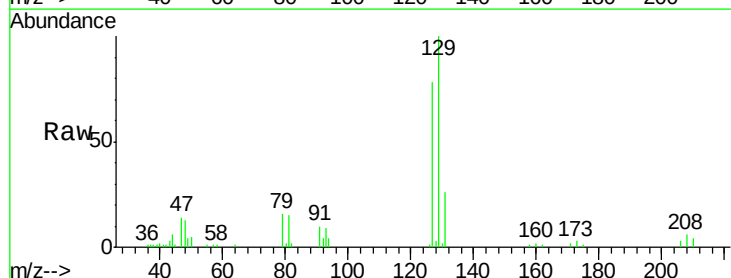
Manual Integrations
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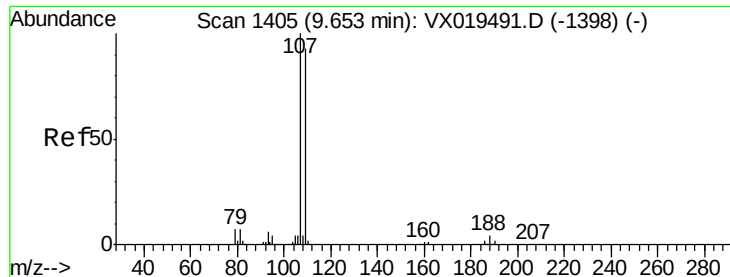
MMDadoda
11/23/2020 3:50:30 PM



#60
Dibromochloromethane
Concen: 4.690 ug/l
RT: 9.56 min Scan# 1390
Delta R.T. -0.01 min
Lab File: VX019489.D
Acq: 20 Nov 2020 10:07

Tgt Ion: 129 Resp: 14145
Ion Ratio Lower Upper
129 100
127 75.0 39.0 116.9





#61

1,2-Dibromoethane

Concen: 4.923 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. 0.00 min

Lab File: VX019489.D

Acq: 20 Nov 2020 10:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:107 Resp: 15626

Ion Ratio Lower Upper

107 100

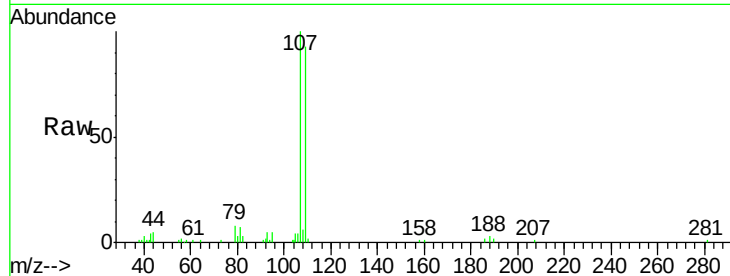
109 96.5 74.8 112.2

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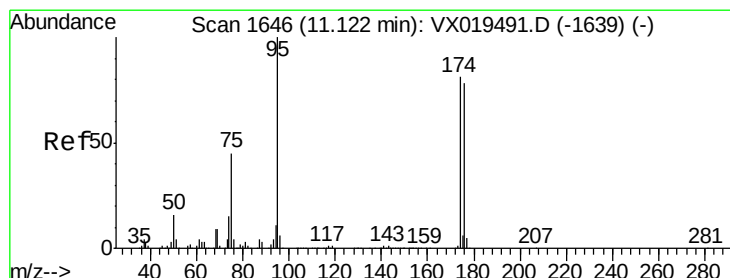
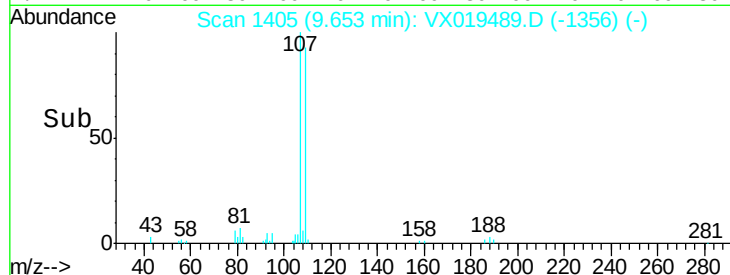
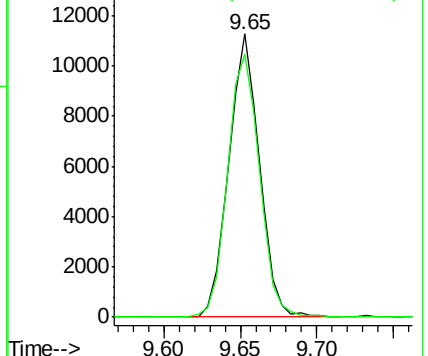
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 4.892 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX019489.D

Acq: 20 Nov 2020 10:07

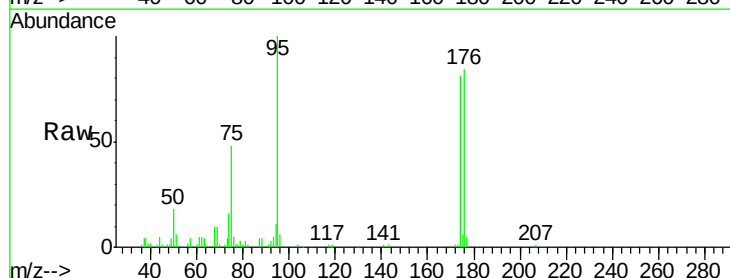
Tgt Ion: 95 Resp: 18421

Ion Ratio Lower Upper

95 100

174 78.2 0.0 156.2

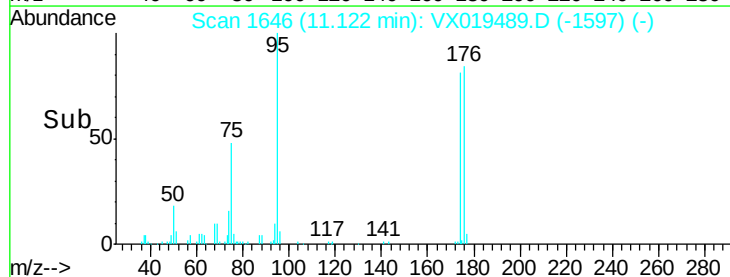
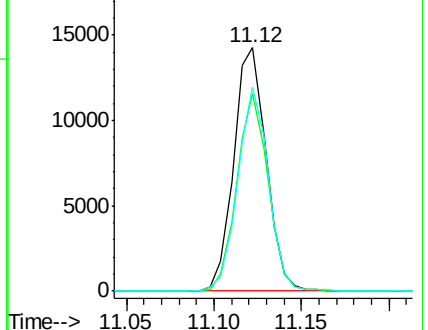
176 79.5 0.0 151.4

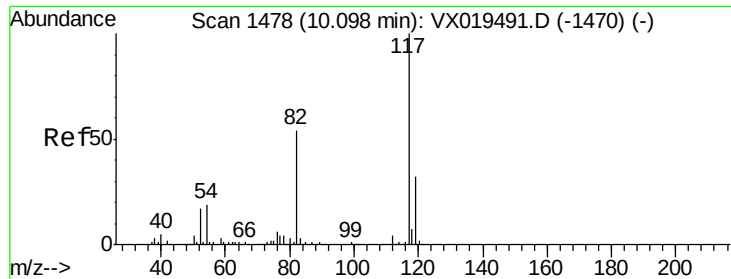


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





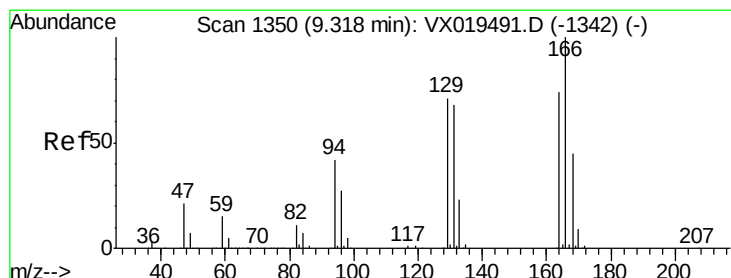
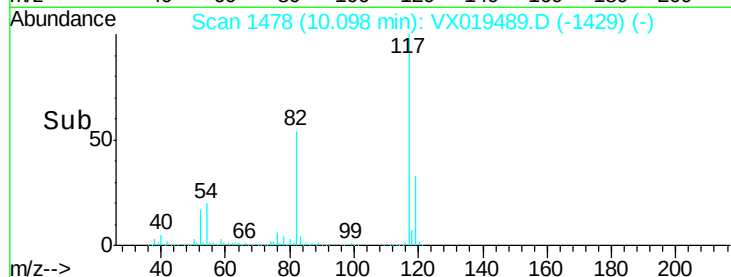
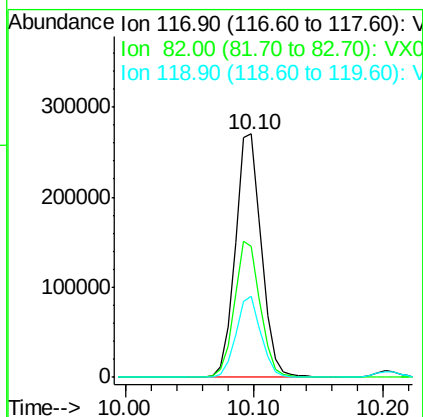
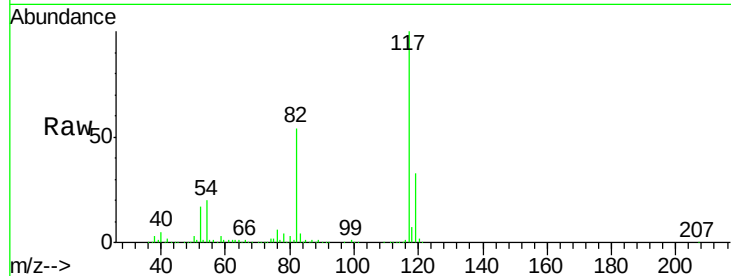
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX019489.D
Acq: 20 Nov 2020 10:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
117	100	379511		
82	53.8	43.0	64.4	
119	33.1	25.6	38.4	

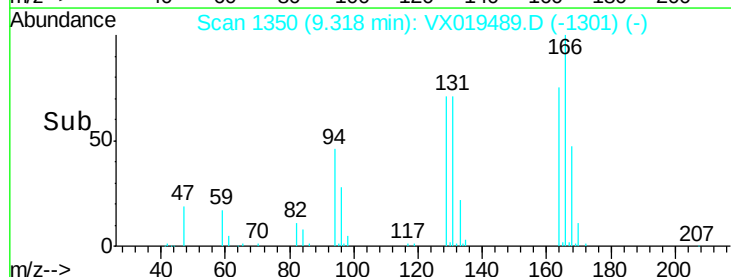
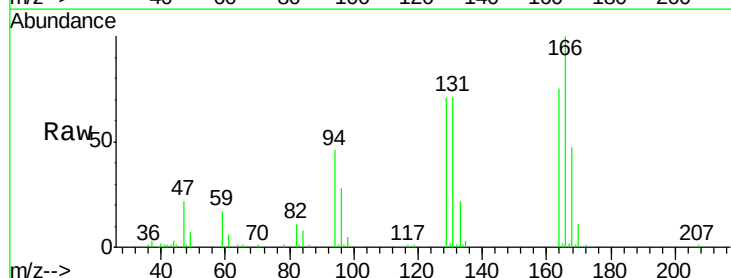
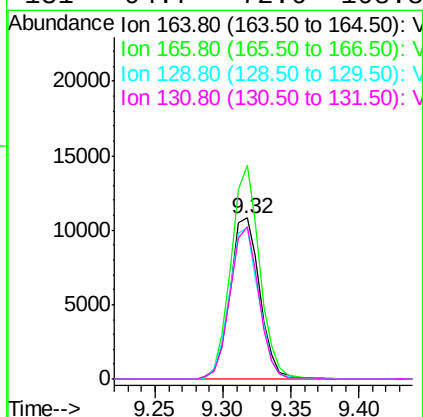
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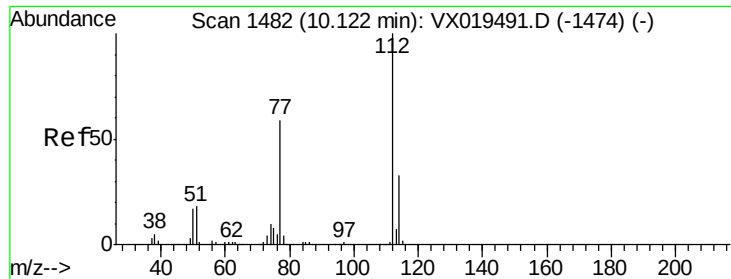
MMDadoda
11/23/2020 3:50:30 PM



#64
Tetrachloroethene
Concen: 5.524 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VX019489.D
Acq: 20 Nov 2020 10:07

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	16480		
166	132.6	107.4	161.0	
129	93.8	76.6	114.8	
131	94.7	72.6	108.8	





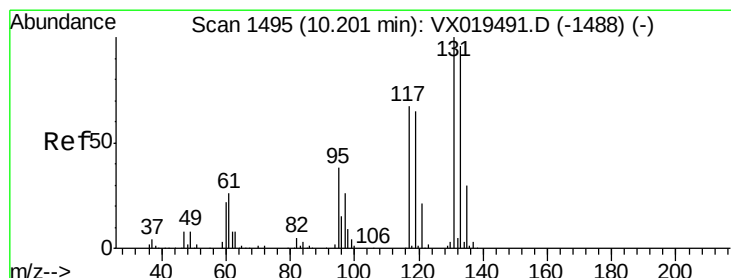
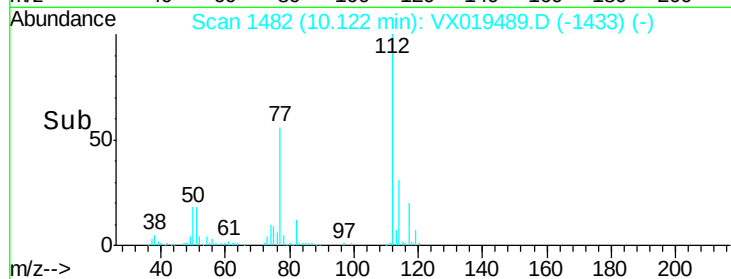
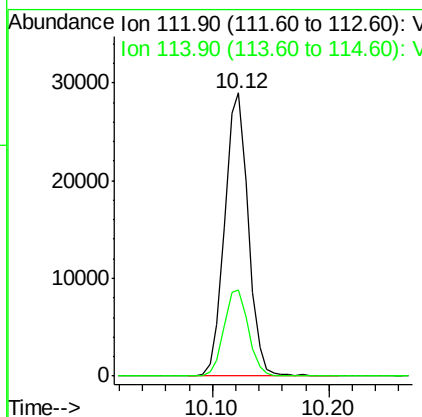
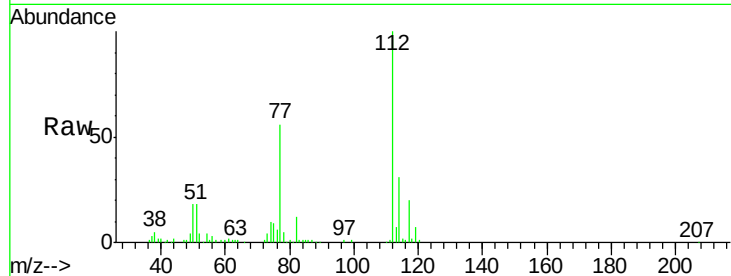
#65
Chlorobenzene
Concen: 5.205 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. 0.00 min
Lab File: VX019489.D
Acq: 20 Nov 2020 10:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.7	26.0	39.0

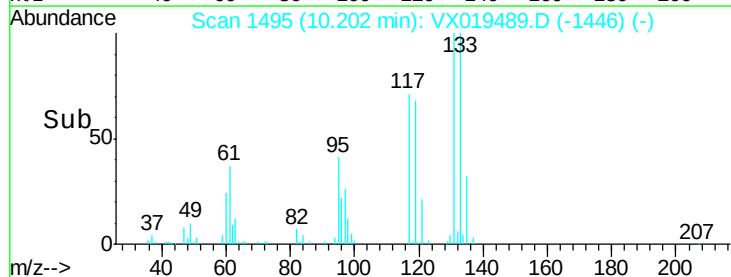
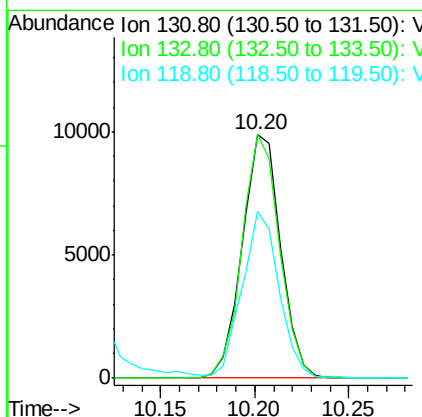
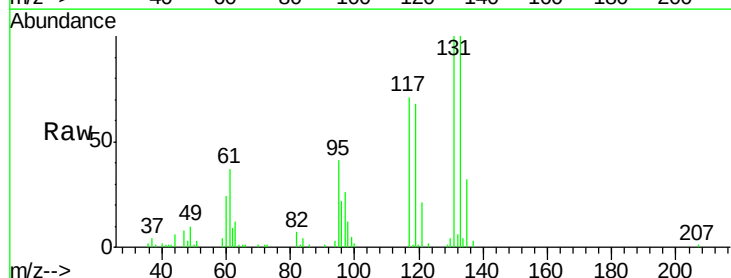
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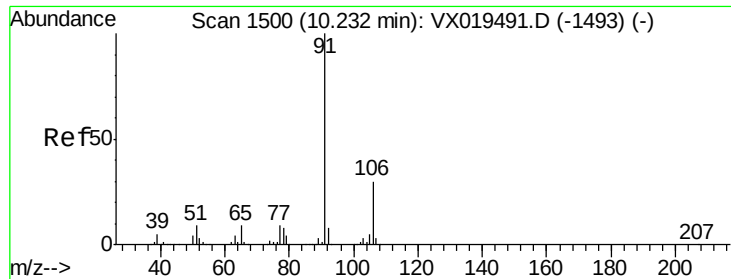
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#66
1,1,1,2-Tetrachloroethane
Concen: 4.917 ug/l
RT: 10.20 min Scan# 1495
Delta R.T. 0.00 min
Lab File: VX019489.D
Acq: 20 Nov 2020 10:07

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.5	48.5	145.5
119	66.2	33.0	99.0





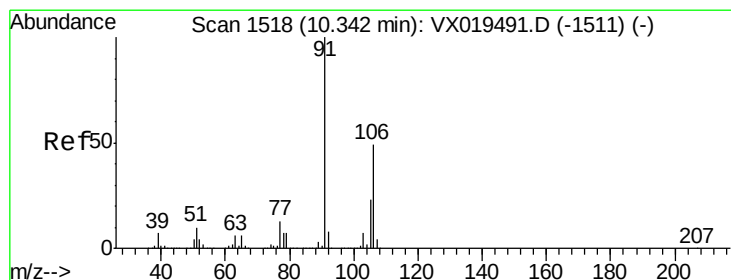
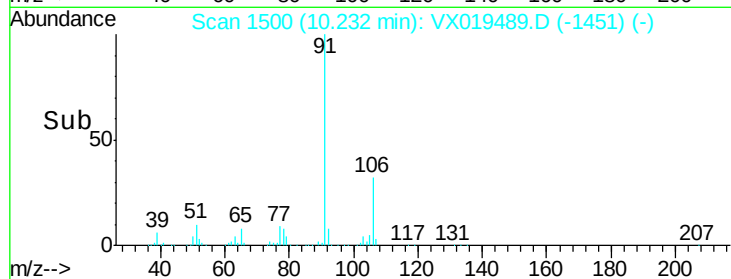
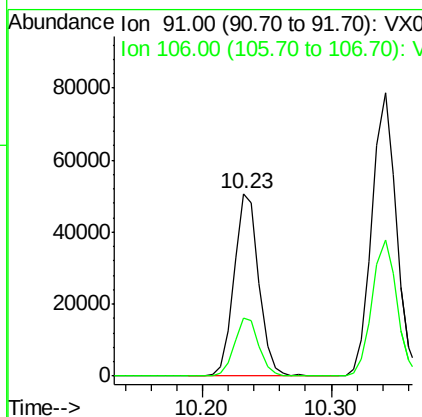
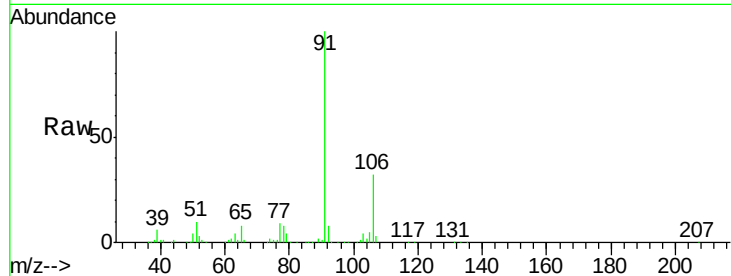
#67
Ethyl Benzene
Concen: 4.974 ug/l
RT: 10.23 min Scan# 1500
Delta R.T. 0.00 min
Lab File: VX019489.D
Acq: 20 Nov 2020 10:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 67991
Ion Ratio Lower Upper
91 100
106 31.5 24.0 36.0

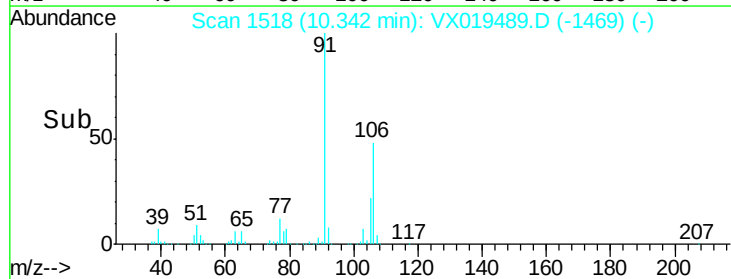
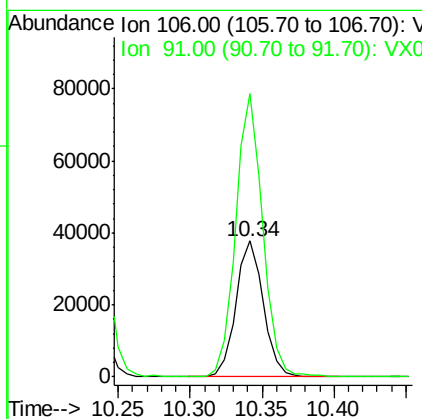
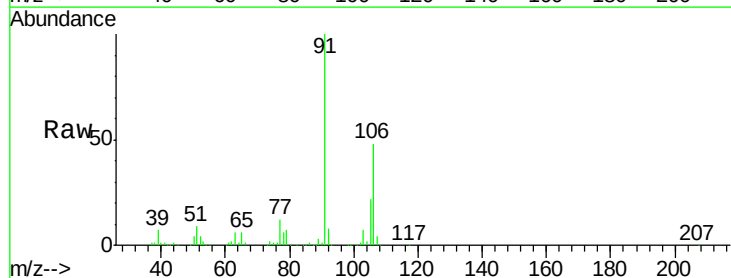
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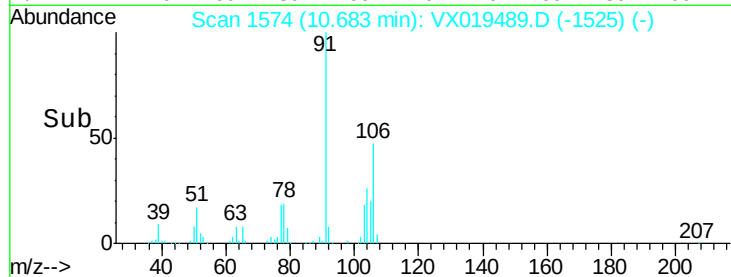
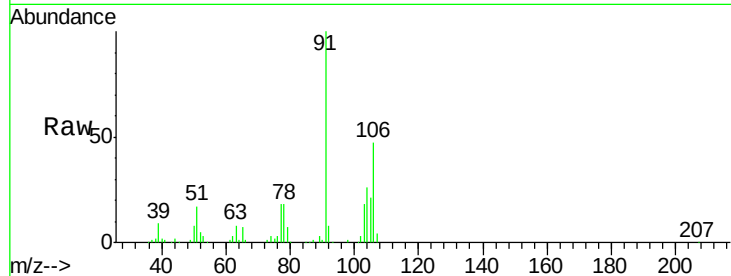
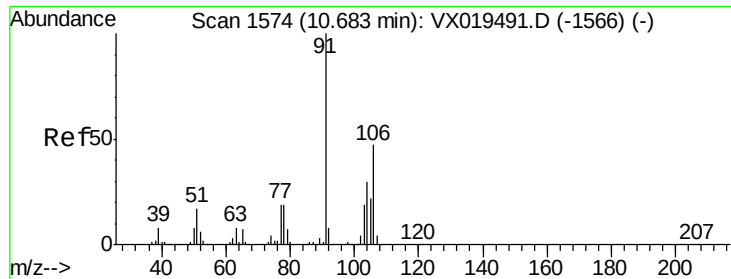
MMDadoda
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#68
m/p-Xylenes
Concen: 9.842 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VX019489.D
Acq: 20 Nov 2020 10:07

Tgt Ion: 106 Resp: 50120
Ion Ratio Lower Upper
106 100
91 204.5 163.3 244.9





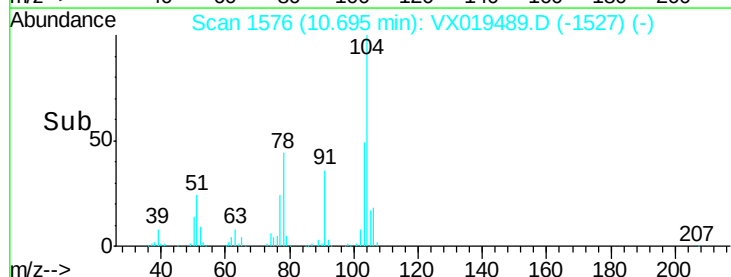
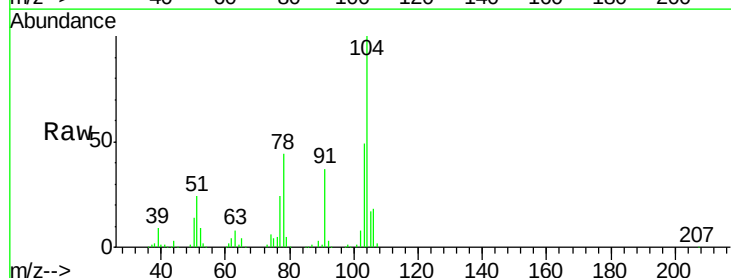
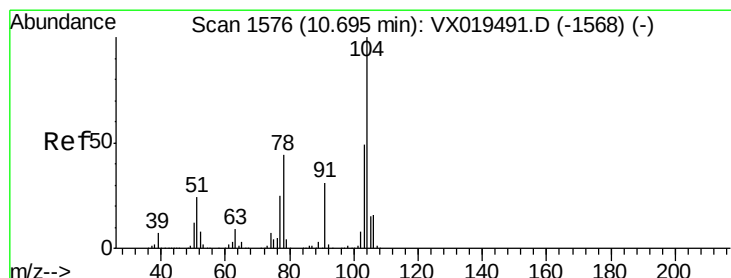
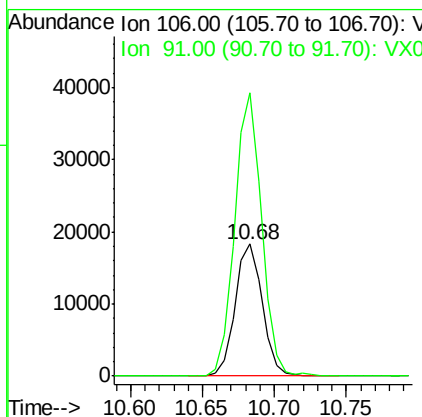
#69
o-Xylene
Concen: 4.961 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX019489.D
Acq: 20 Nov 2020 10:07

Tot Ion:106 Resp: 24151
Ion Ratio Lower Upper
106 100
91 213.0 108.0 324.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

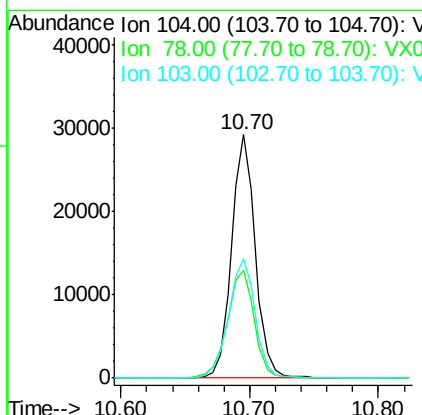
Manual Integrations
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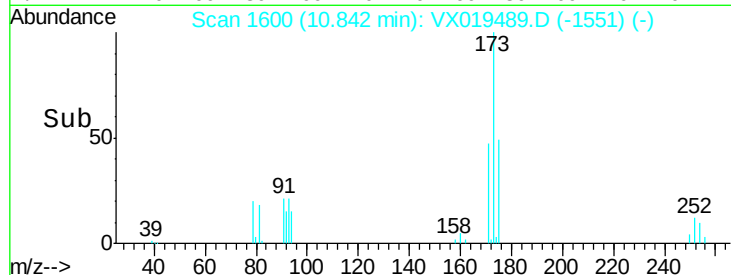
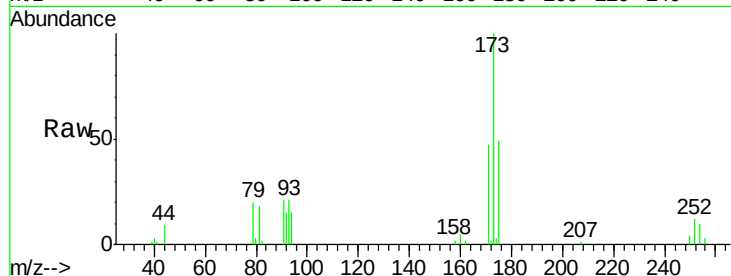
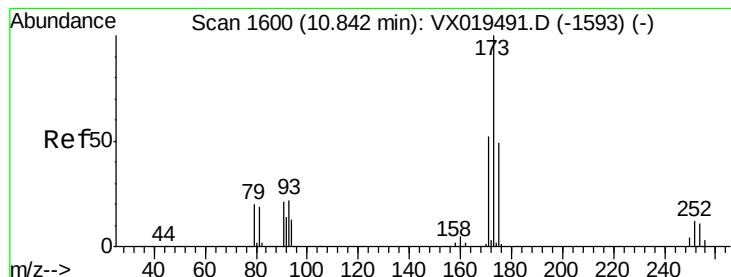
MMDadoda
11/23/2020 3:50:30 PM



#70
Styrene
Concen: 4.674 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX019489.D
Acq: 20 Nov 2020 10:07

Tgt Ion:104 Resp: 37775
Ion Ratio Lower Upper
104 100
78 50.6 39.5 59.3
103 54.7 43.6 65.4





#71

Bromoform

Concen: 4.500 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VX019489.D

Acq: 20 Nov 2020 10:07

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.1	24.9	74.8
254	0.0	0.1	0.1#

Instrument :

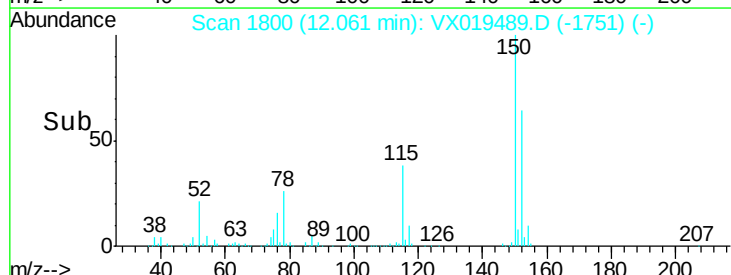
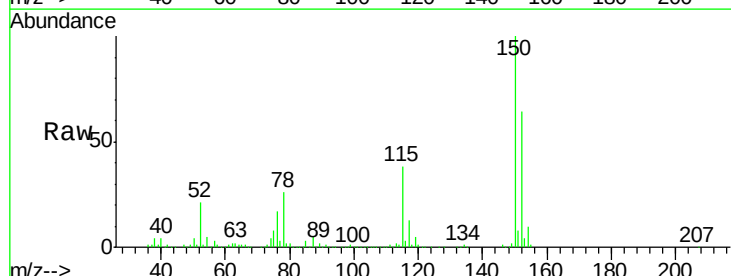
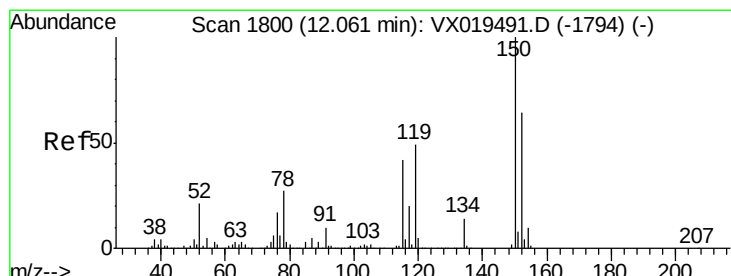
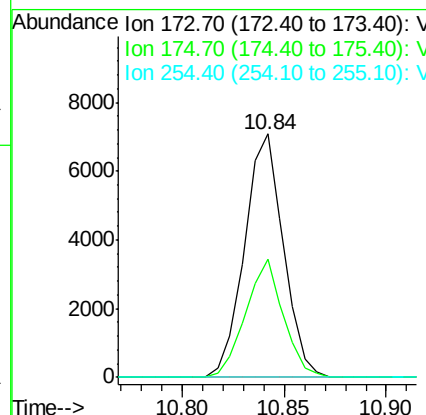
MSVOA_X

ClientSampleId :

VSTDIC005

Manual Integrations
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11/23/2020 3:50:30 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

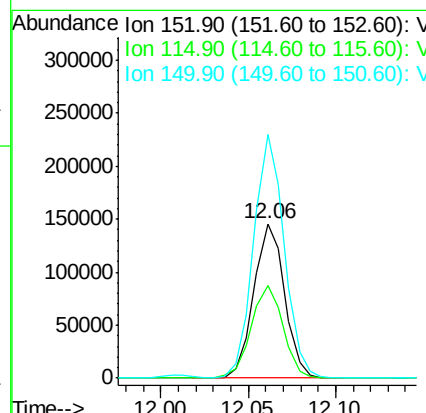
RT: 12.06 min Scan# 1800

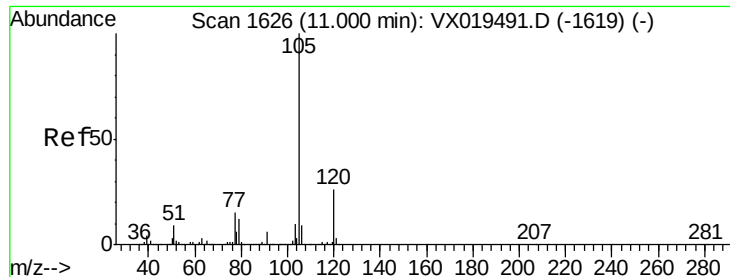
Delta R.T. 0.00 min

Lab File: VX019489.D

Acq: 20 Nov 2020 10:07

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.3	41.8	125.4
150	156.6	0.0	348.2





#73

Isopropylbenzene

Concen: 5.170 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX019489.D

Acq: 20 Nov 2020 10:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 63775

Ion Ratio Lower Upper

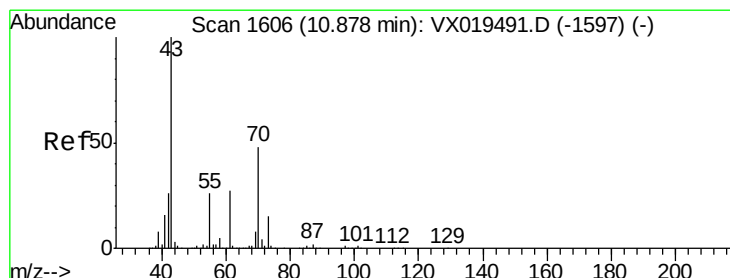
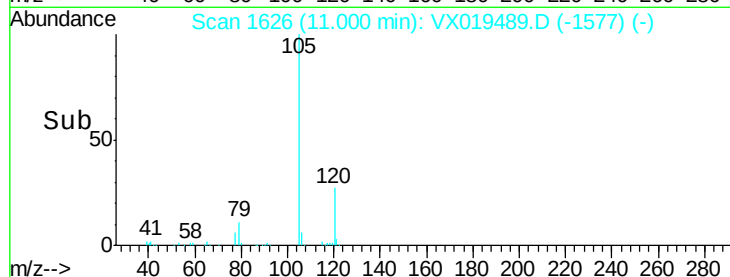
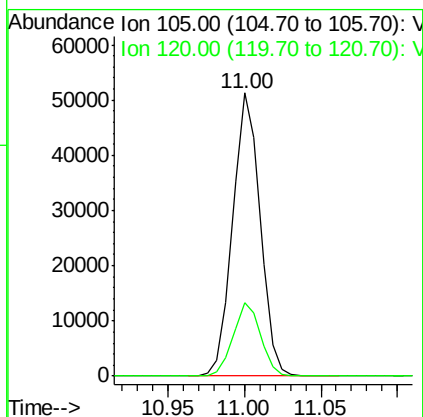
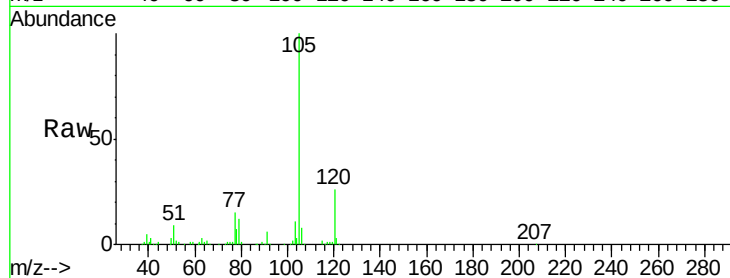
105 100

120 25.9 13.0 39.0

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#74

N-ethyl acetate

Concen: 4.872 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. 0.00 min

Lab File: VX019489.D

Acq: 20 Nov 2020 10:07

Tgt Ion: 43 Resp: 22521

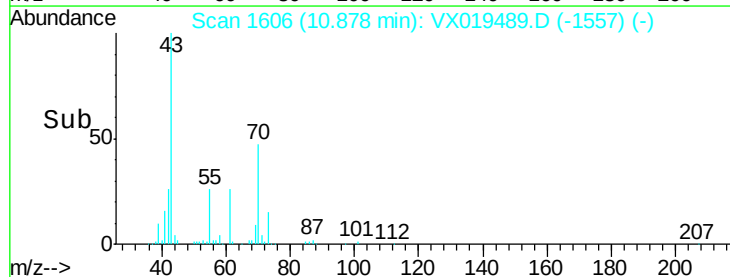
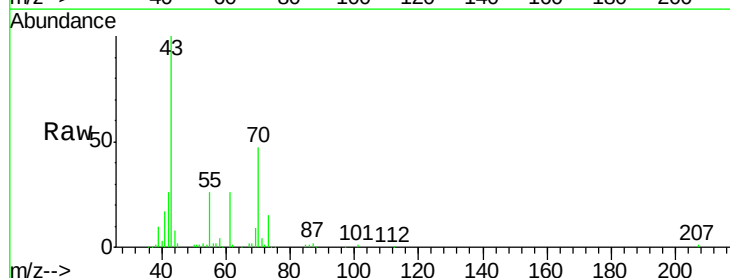
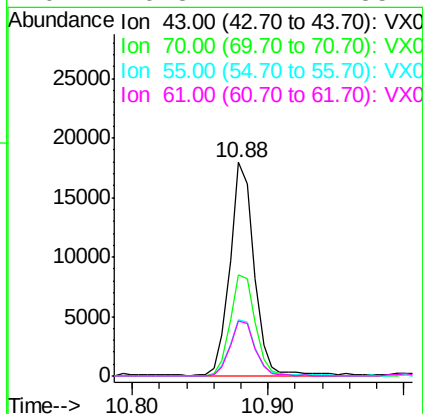
Ion Ratio Lower Upper

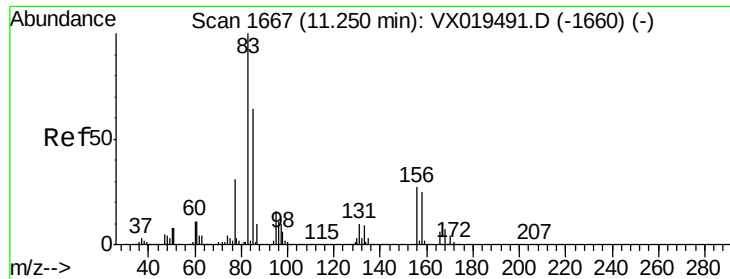
43 100

70 48.6 39.7 59.5

55 27.8 21.8 32.6

61 26.3 22.2 33.4





#75

1,1,2,2-Tetrachloroethane

Concen: 5.242 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. 0.00 min

Lab File: VX019489.D

Acq: 20 Nov 2020 10:07

Instrument :

MSVOA_X

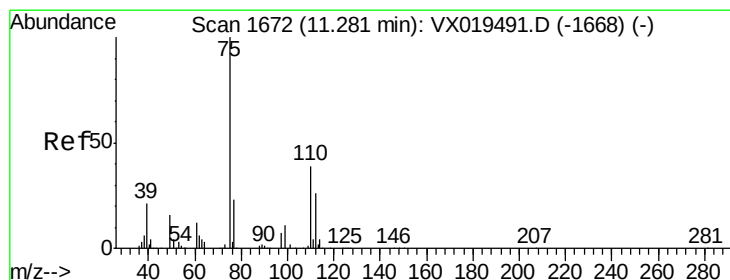
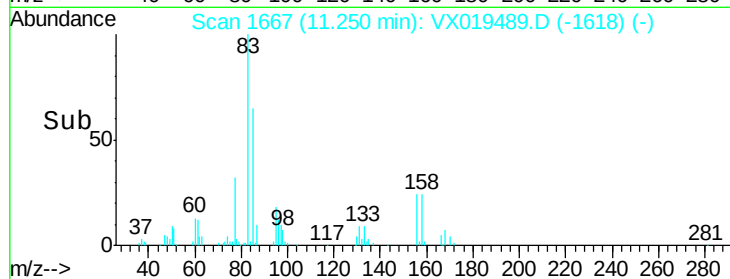
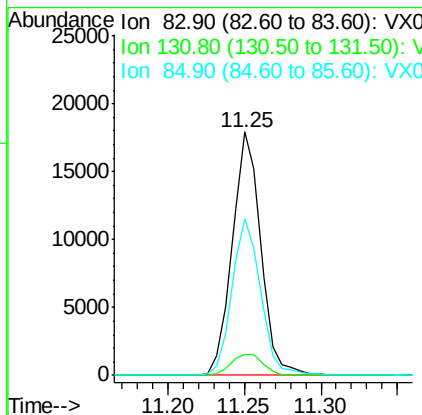
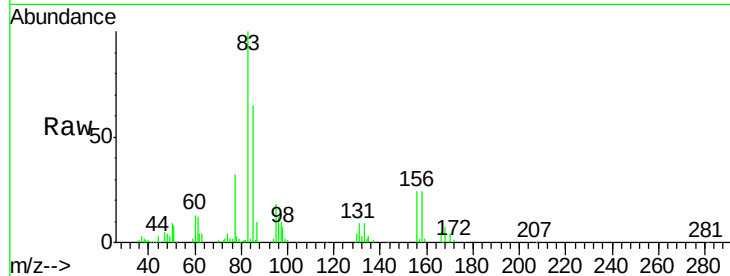
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	23126
Ion Ratio	Lower	Upper	
83	100		
131	9.7	5.0	15.0
85	64.8	32.4	97.2

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#76

1,2,3-Trichloropropane

Concen: 5.366 ug/l m

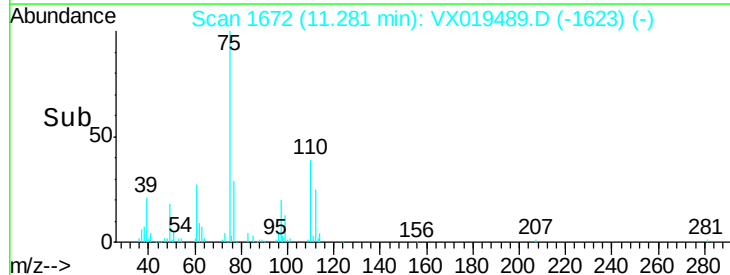
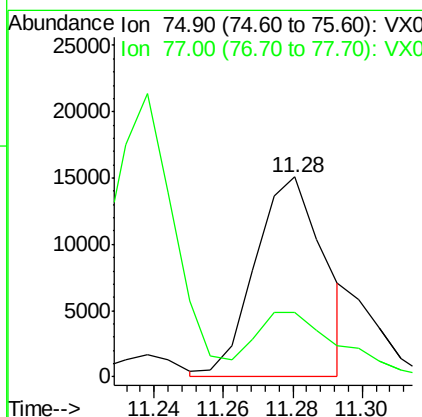
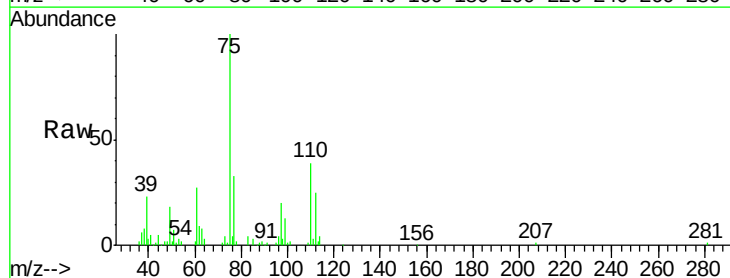
RT: 11.28 min Scan# 1672

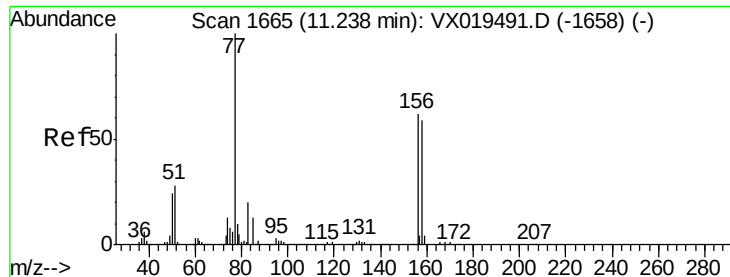
Delta R.T. 0.00 min

Lab File: VX019489.D

Acq: 20 Nov 2020 10:07

Tgt Ion:	75	Resp:	20884
Ion Ratio	Lower	Upper	
75	100		
77	39.7	20.0	60.0





#77

Bromobenzene

Concen: 5.202 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VX019489.D

Acq: 20 Nov 2020 10:07

Instrument :

MSVOA_X

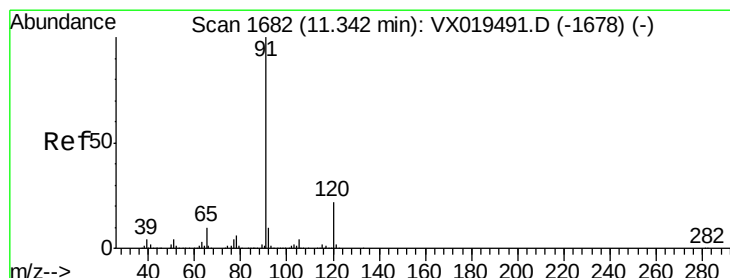
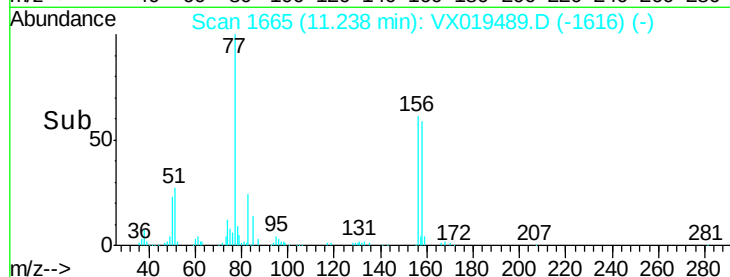
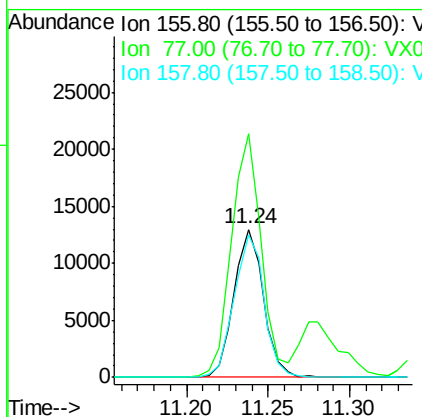
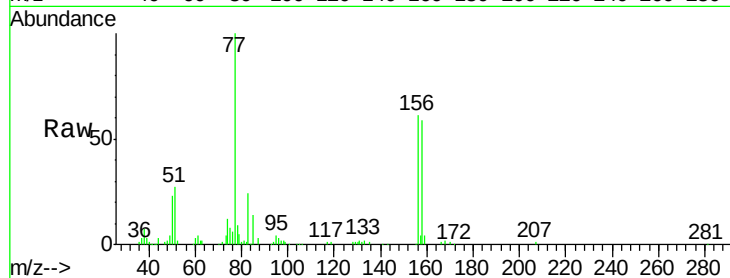
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
156	100		
77	165.5	82.5	247.3
158	97.6	48.9	146.7

Manual Integrations
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11/23/2020 3:50:30 PM



#78

n-propylbenzene

Concen: 5.017 ug/l

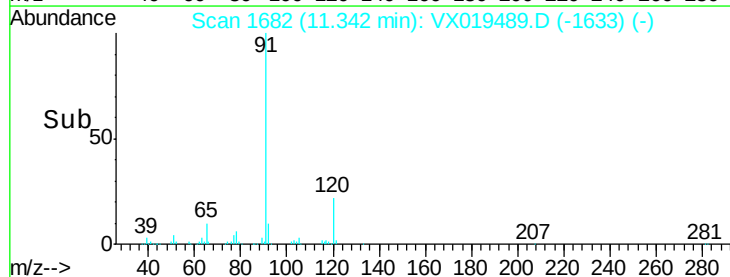
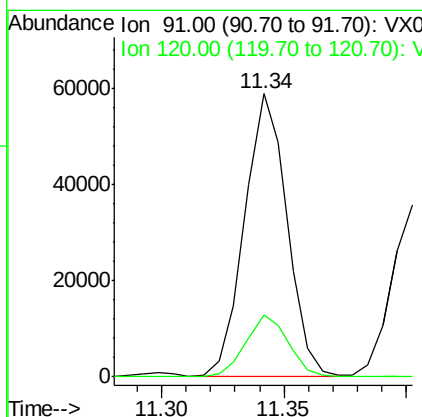
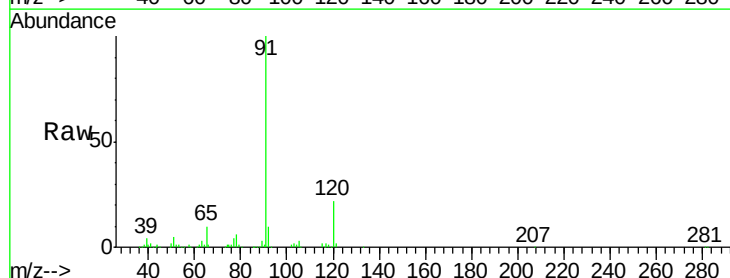
RT: 11.34 min Scan# 1682

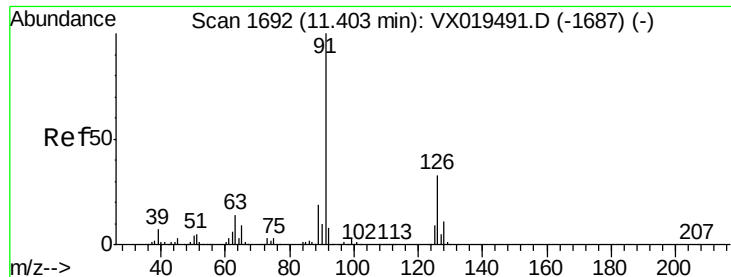
Delta R.T. 0.00 min

Lab File: VX019489.D

Acq: 20 Nov 2020 10:07

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.5	34.4





#79

2-Chlorotoluene

Concen: 5.148 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VX019489.D

Acq: 20 Nov 2020 10:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 44180

Ion Ratio Lower Upper

91 100

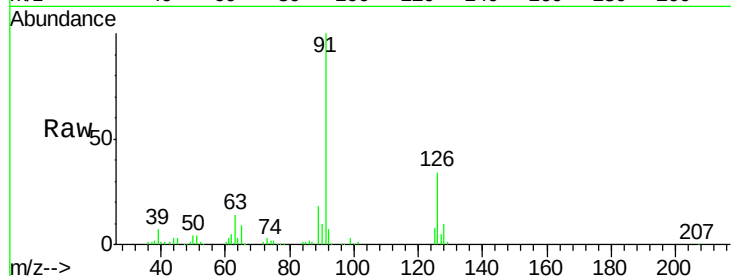
126 34.4 16.7 50.0

Manual Integrations

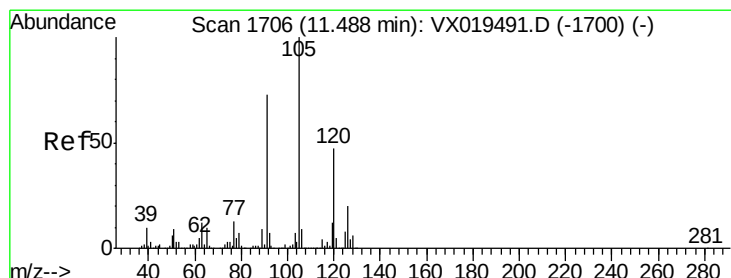
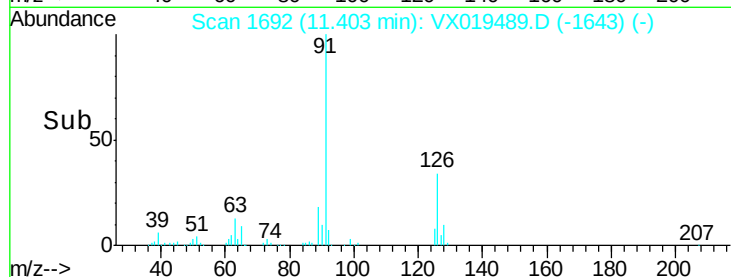
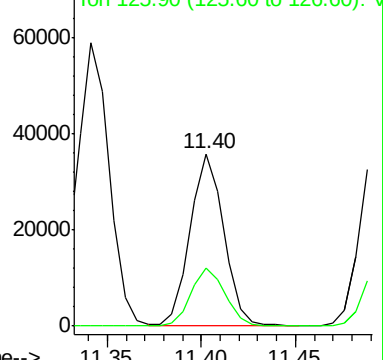
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Abundance Ion 91.00 (90.70 to 91.70): VX019489.D (-1643) (-)



#80

1,3,5-Trimethylbenzene

Concen: 4.977 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. 0.00 min

Lab File: VX019489.D

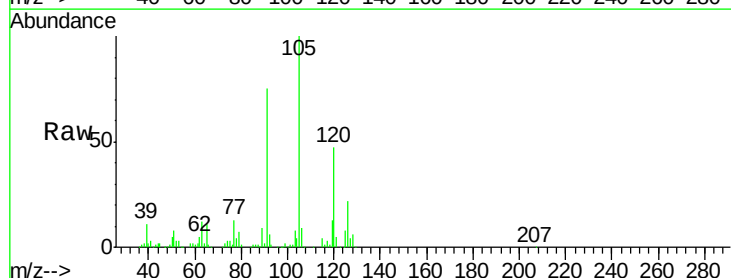
Acq: 20 Nov 2020 10:07

Tgt Ion: 105 Resp: 51500

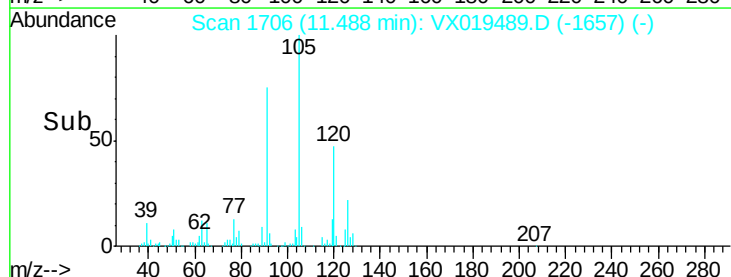
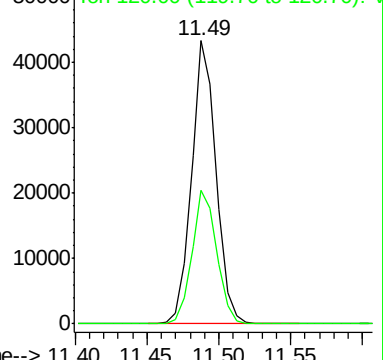
Ion Ratio Lower Upper

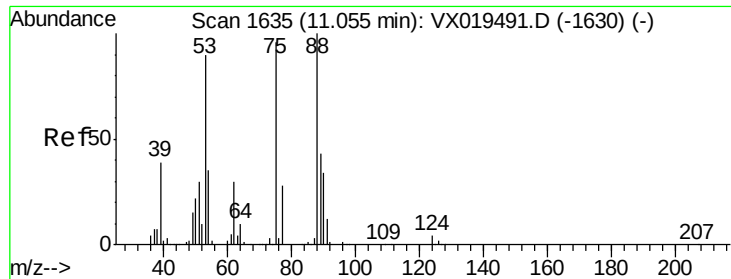
105 100

120 48.1 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): VX019489.D (-1657) (-)





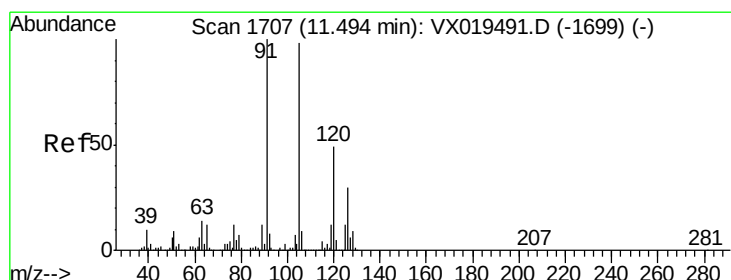
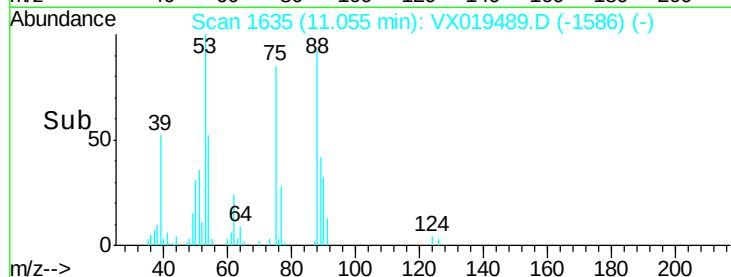
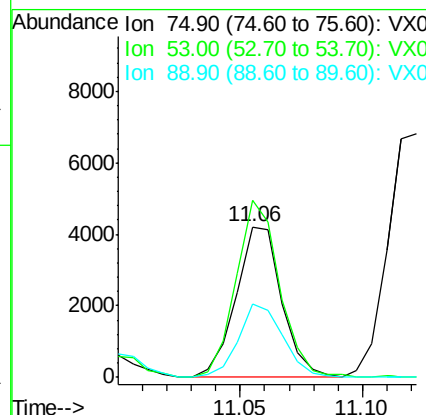
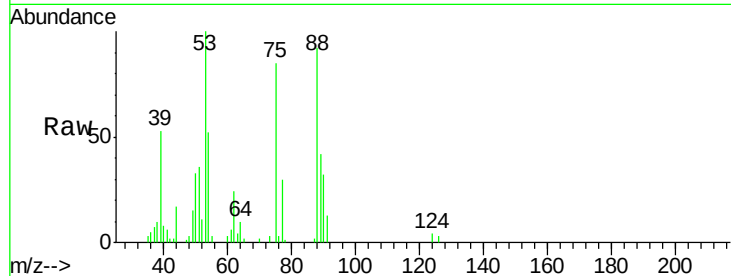
#81
trans-1,4-Dichloro-2-butene
Concen: 4.117 ug/l
RT: 11.06 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VX019489.D
Acq: 20 Nov 2020 10:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	112.7	73.9	110.9#
89	48.0	37.3	55.9

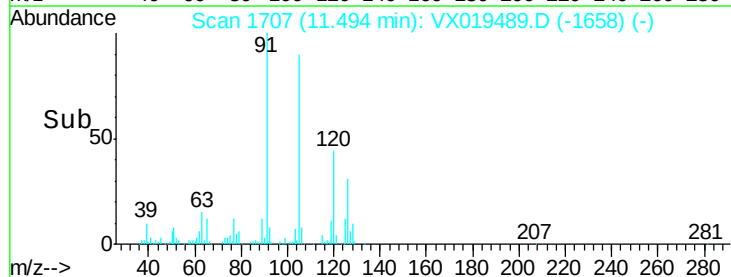
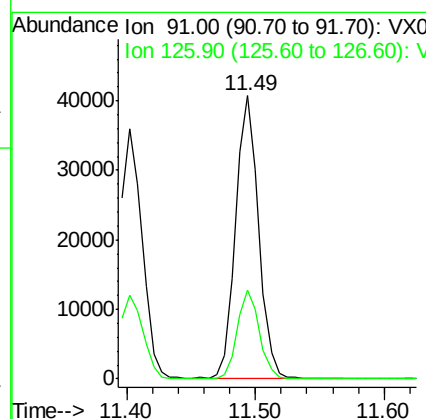
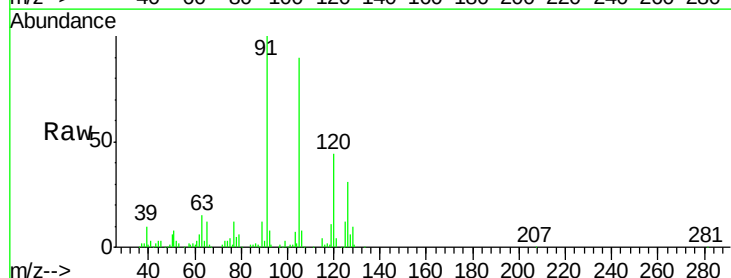
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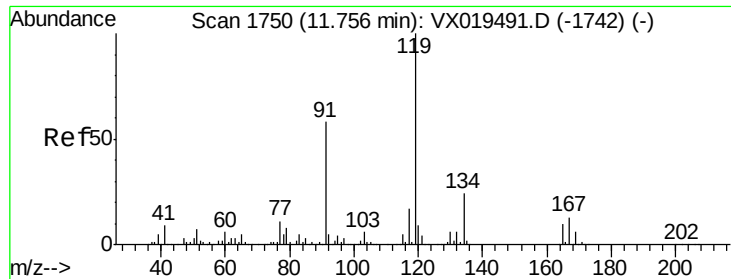
MMDadoda
11/23/2020 3:50:30 PM



#82
4-Chlorotoluene
Concen: 5.066 ug/l
RT: 11.49 min Scan# 1707
Delta R.T. 0.00 min
Lab File: VX019489.D
Acq: 20 Nov 2020 10:07

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.0	14.9	44.7





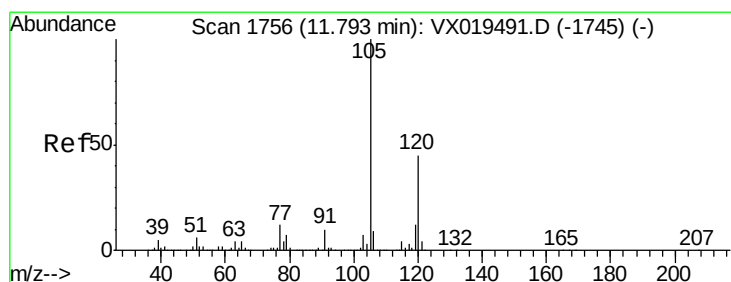
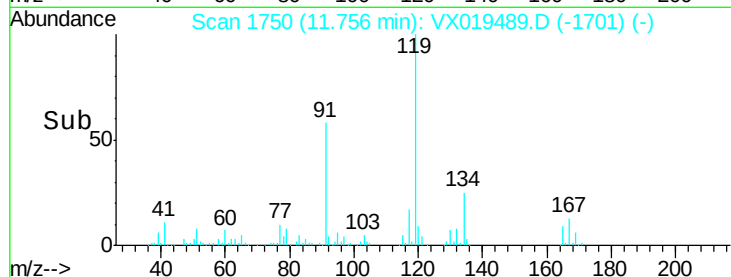
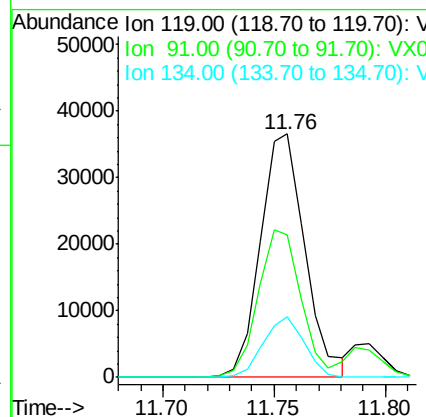
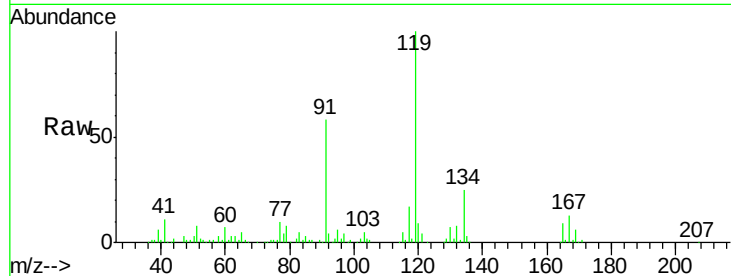
#83
 tert-Butylbenzene
 Concen: 5.080 ug/l
 RT: 11.76 min Scan# 1750
 Delta R.T. 0.00 min
 Lab File: VX019489.D
 Acq: 20 Nov 2020 10:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
119	100	50860		
91	57.9		28.9	86.8
134	22.8		11.7	35.0

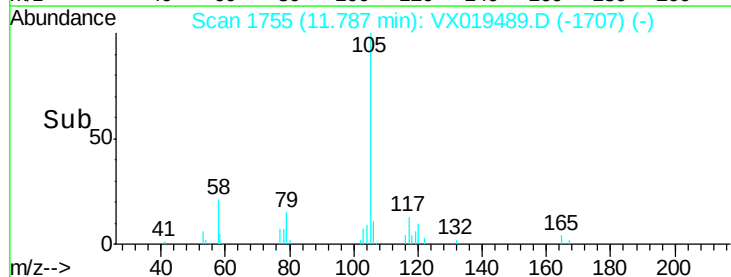
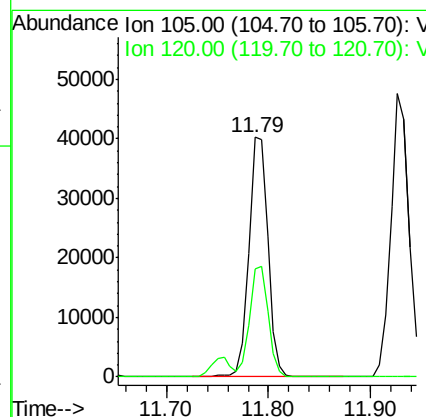
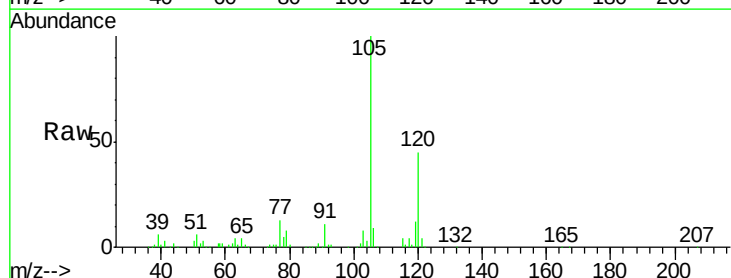
Manual Integrations
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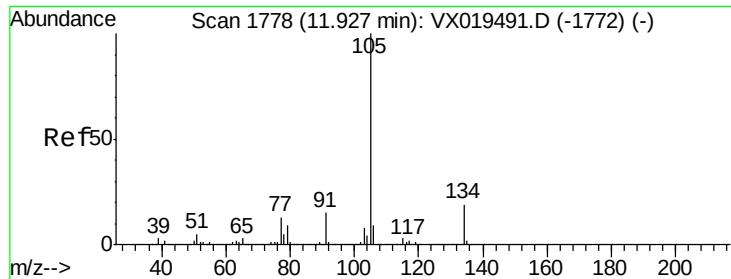
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 11/23/2020 3:50:30 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 4.986 ug/l
 RT: 11.79 min Scan# 1755
 Delta R.T. -0.01 min
 Lab File: VX019489.D
 Acq: 20 Nov 2020 10:07

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	52202		
120	45.0		22.2	66.6





#85

sec-Butylbenzene

Concen: 4.987 ug/l

RT: 11.93 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX019489.D

Acq: 20 Nov 2020 10:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 59401

Ion Ratio Lower Upper

105 100

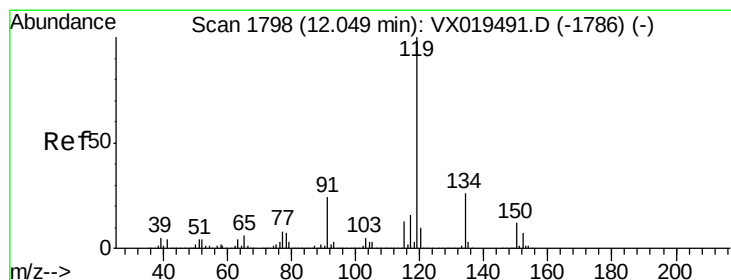
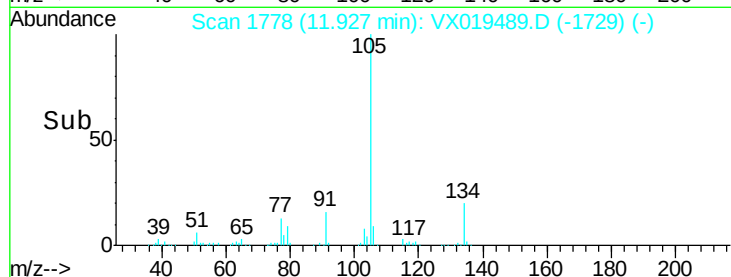
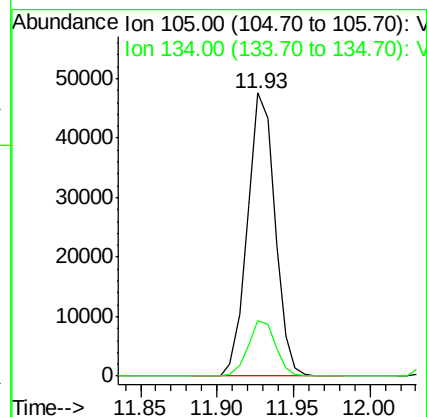
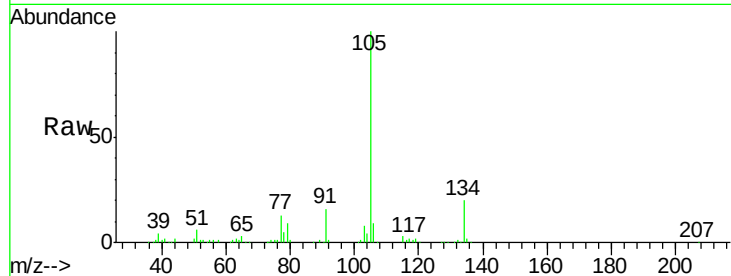
134 19.6 10.1 30.3

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 4.895 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VX019489.D

Acq: 20 Nov 2020 10:07

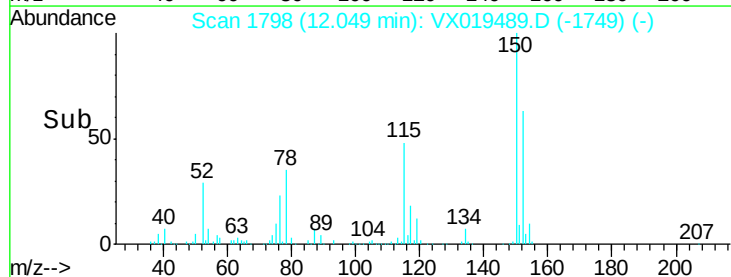
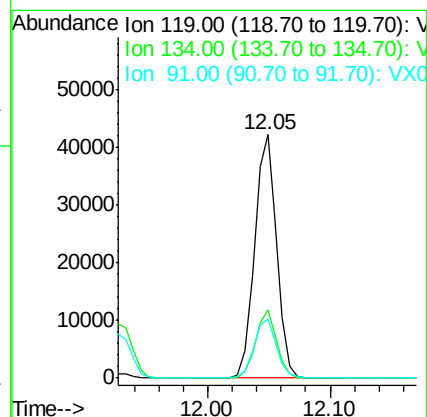
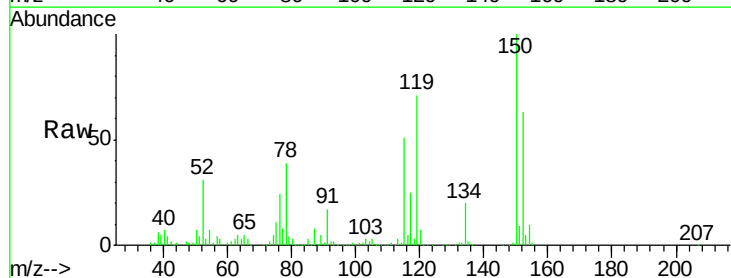
Tgt Ion:119 Resp: 52935

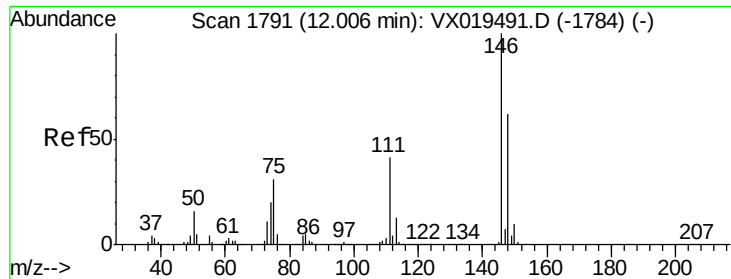
Ion Ratio Lower Upper

119 100

134 26.9 13.1 39.3

91 25.0 11.8 35.4





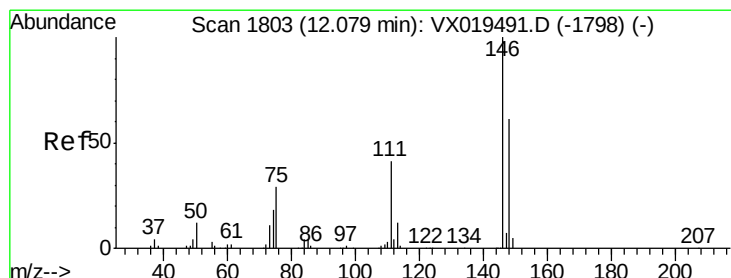
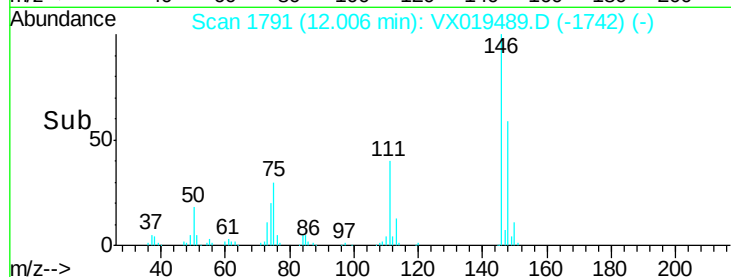
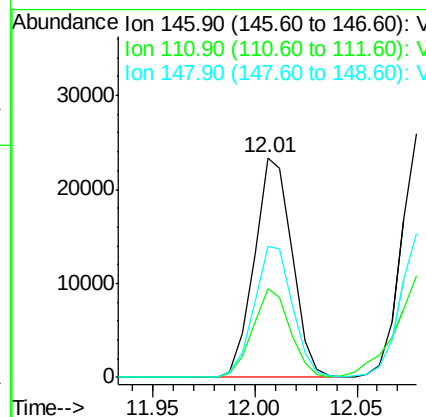
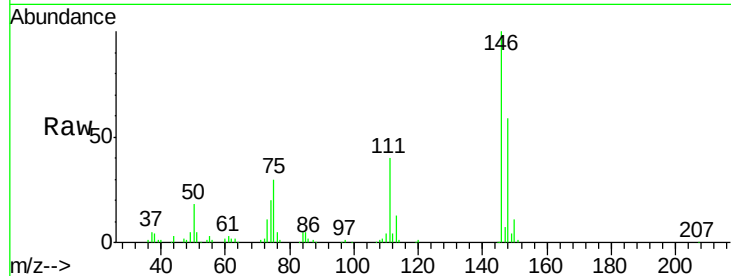
#87
 1,3-Dichlorobenzene
 Concen: 5.203 ug/l
 RT: 12.01 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX019489.D
 Acq: 20 Nov 2020 10:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.2	60.6
148	60.9	31.4	94.2

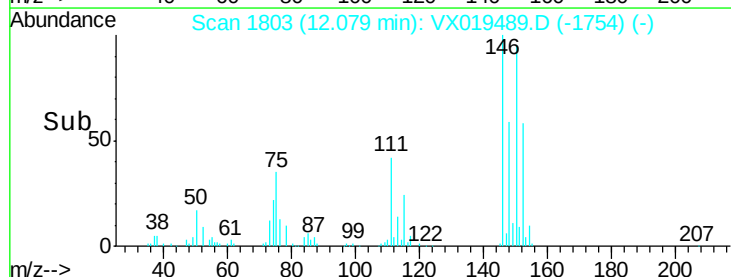
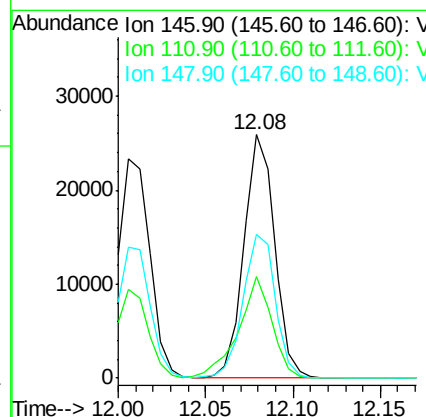
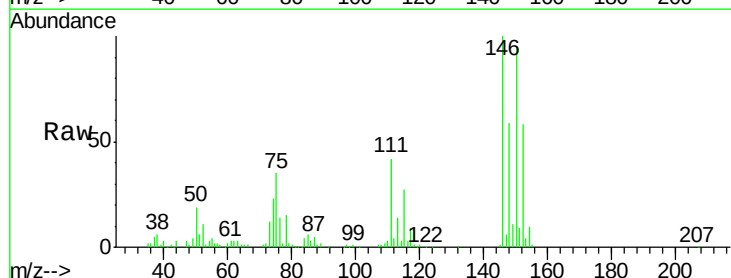
Manual Integrations
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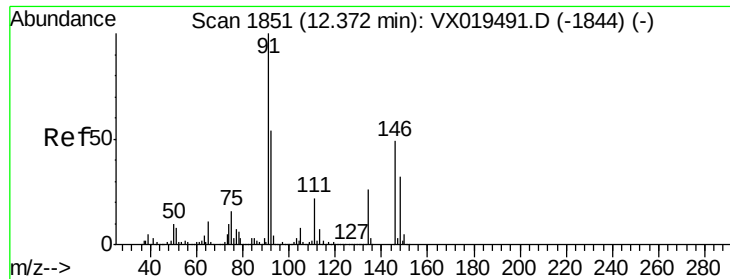
MMDadoda
 11/23/2020 3:50:30 PM



#88
 1,4-Dichlorobenzene
 Concen: 5.321 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VX019489.D
 Acq: 20 Nov 2020 10:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.5	19.9	59.6
148	62.0	31.7	95.1





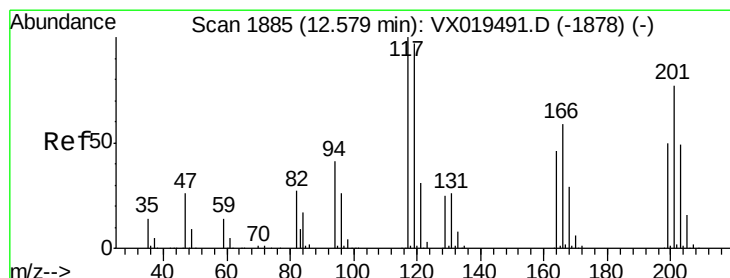
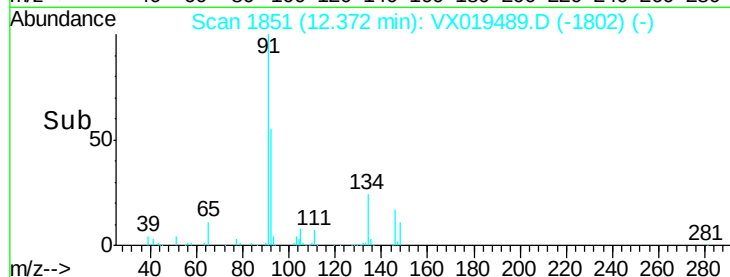
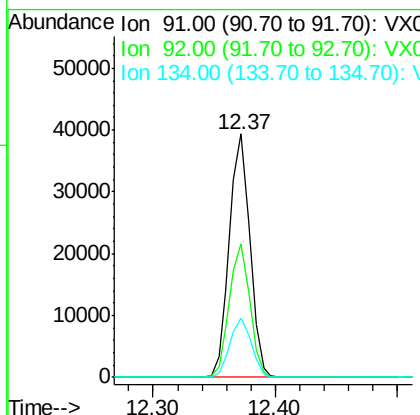
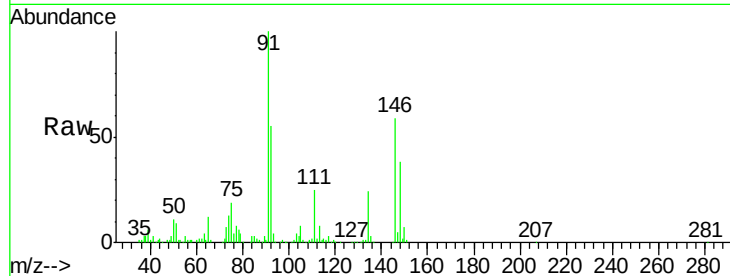
#89
n-Butylbenzene
Concen: 4.691 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. 0.00 min
Lab File: VX019489.D
Acq: 20 Nov 2020 10:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.4	26.9	80.6
134	24.8	12.9	38.6

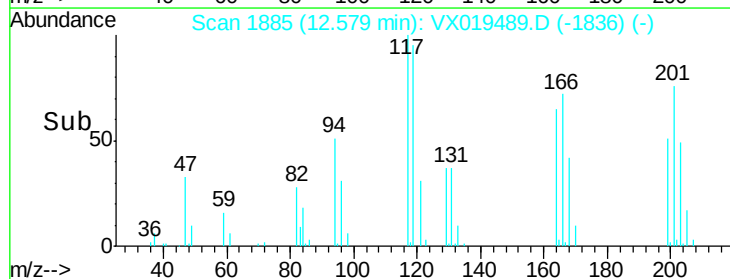
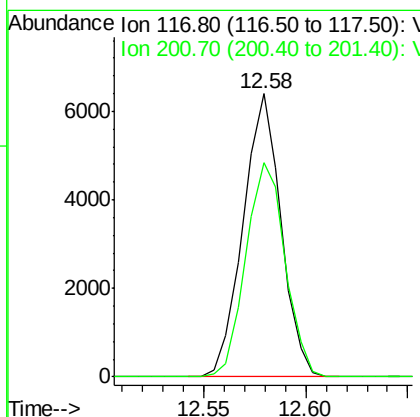
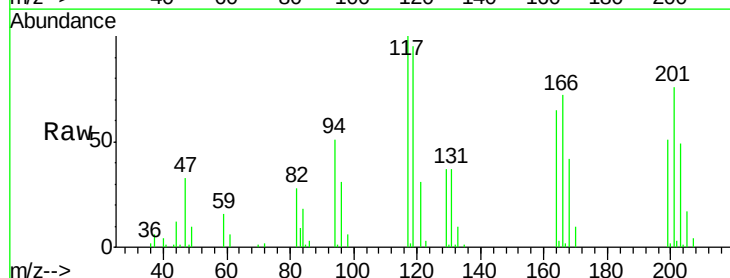
Manual Integrations
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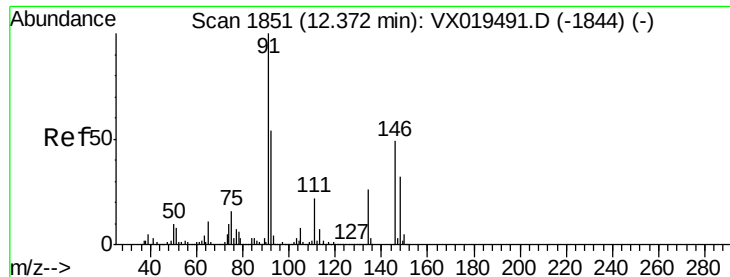
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#90
Hexachloroethane
Concen: 4.559 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX019489.D
Acq: 20 Nov 2020 10:07

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.5	39.4	118.2





#91

1,2-Dichlorobenzene

Concen: 5.119 ug/l

RT: 12.37 min Scan# 1851

Delta R.T. 0.00 min

Lab File: VX019489.D

Acq: 20 Nov 2020 10:07

Instrument :

MSVOA_X

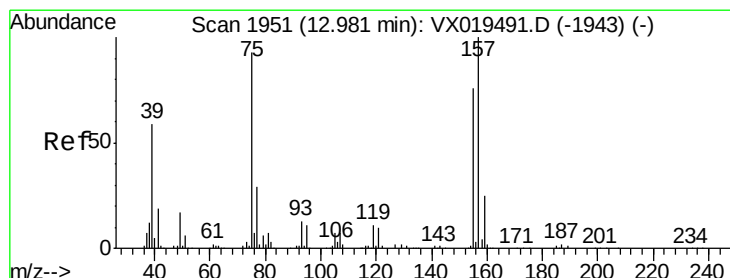
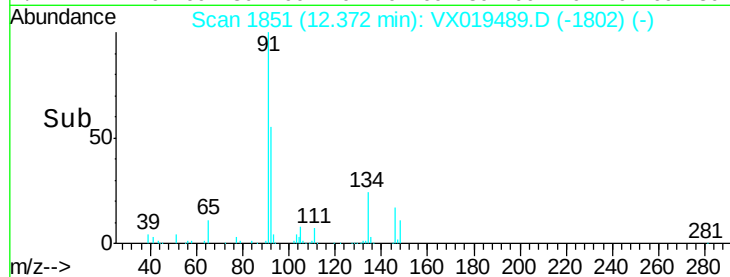
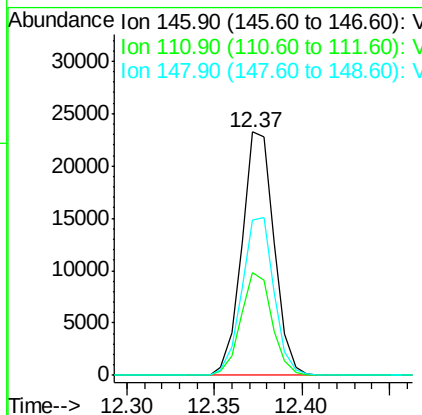
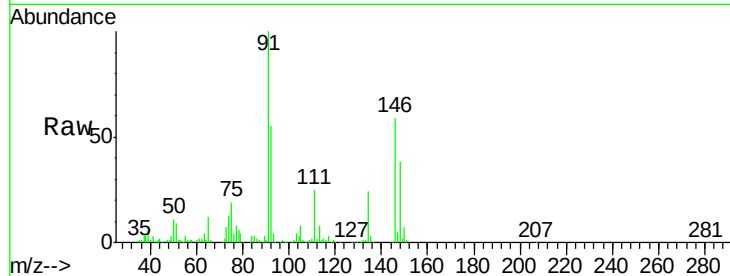
ClientSampleId :

VSTDIC005

Tot Ion:	146	Resp:	29734
Ion Ratio	Lower	Upper	
146	100		
111	40.8	21.1	63.3
148	64.3	32.4	97.0

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 4.780 ug/l

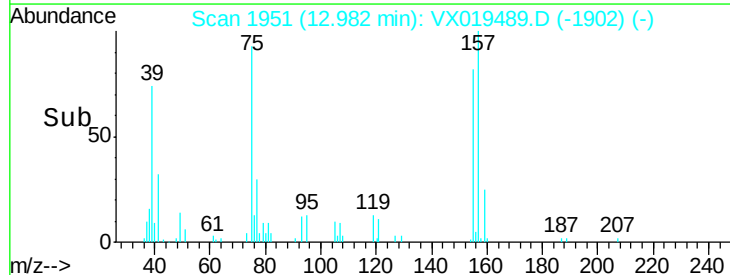
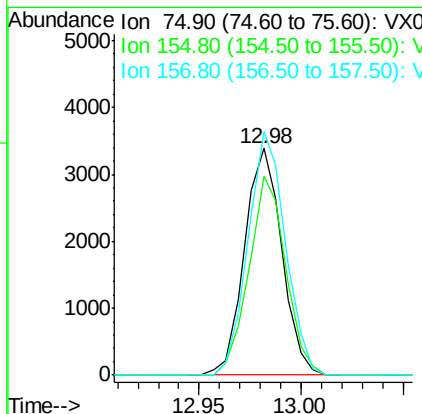
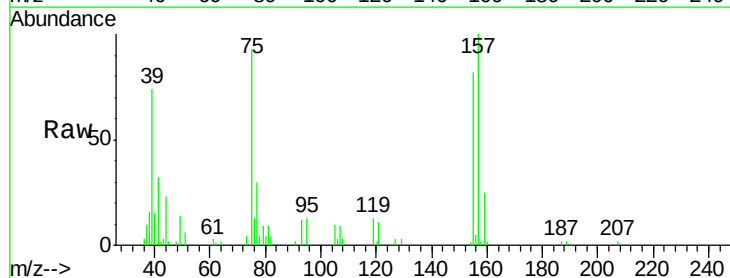
RT: 12.98 min Scan# 1951

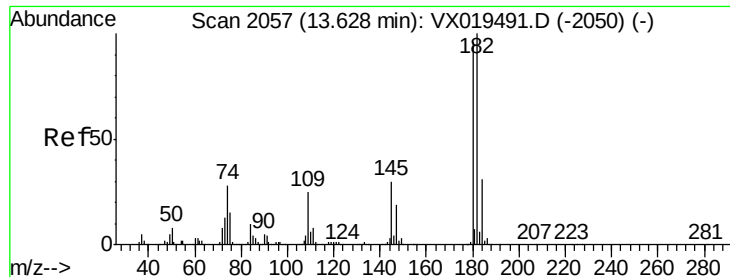
Delta R.T. 0.00 min

Lab File: VX019489.D

Acq: 20 Nov 2020 10:07

Tgt Ion:	75	Resp:	4302
Ion Ratio	Lower	Upper	
75	100		
155	86.5	43.6	130.9
157	107.6	57.0	170.8





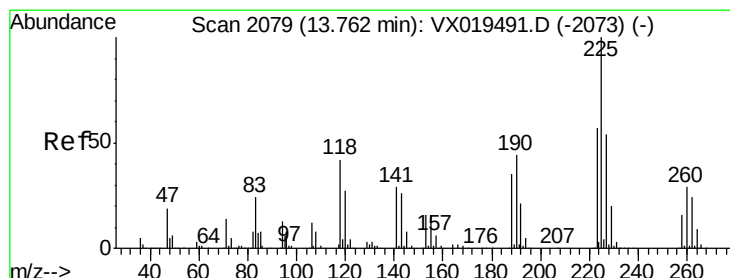
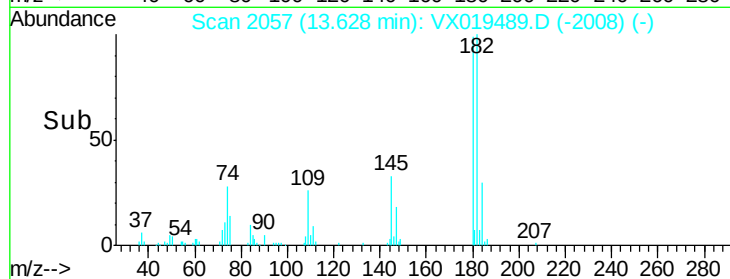
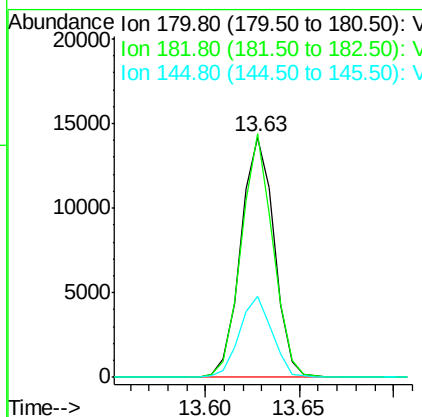
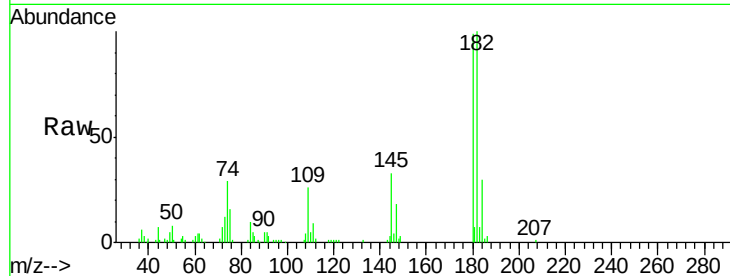
#93
1,2,4-Trichlorobenzene
Concen: 4.675 ug/l
RT: 13.63 min Scan# 2057
Delta R.T. 0.00 min
Lab File: VX019489.D
Acq: 20 Nov 2020 10:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
180	100	17435		
182	95.9	48.6	145.9	
145	32.8	15.9	47.7	

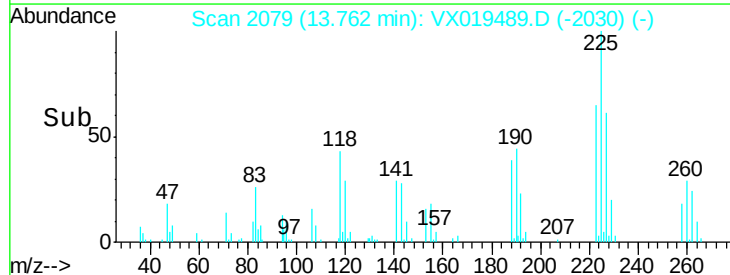
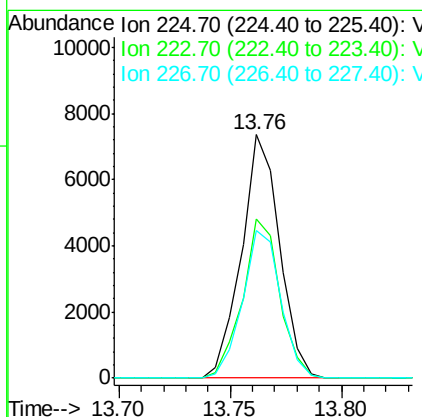
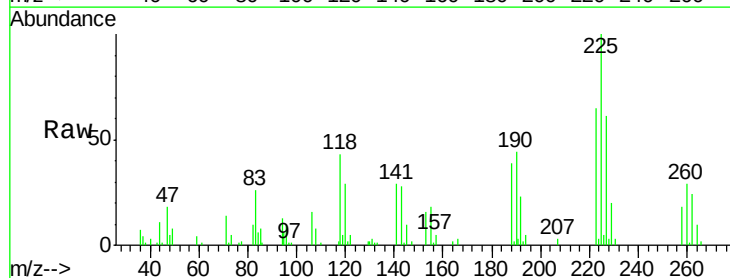
Manual Integrations
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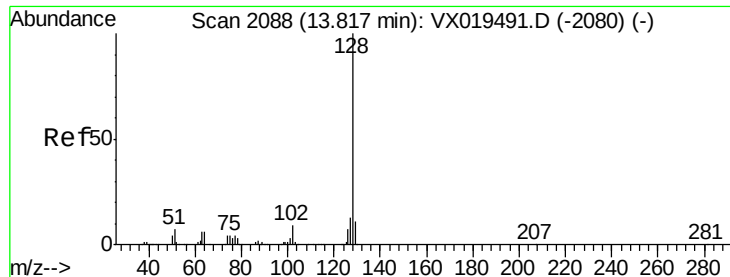
MMDadoda
11/23/2020 3:50:30 PM



#94
Hexachlorobutadiene
Concen: 5.189 ug/l
RT: 13.76 min Scan# 2079
Delta R.T. 0.00 min
Lab File: VX019489.D
Acq: 20 Nov 2020 10:07

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	8815		
223	63.8	32.5	97.5	
227	60.8	32.8	98.3	





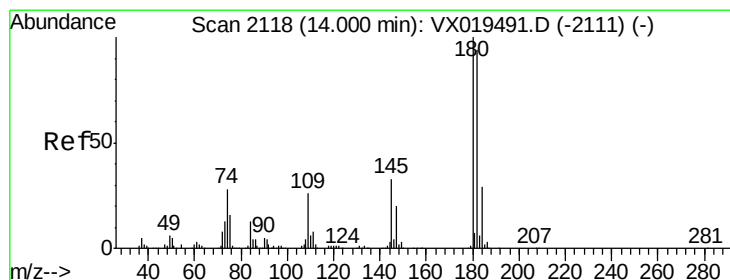
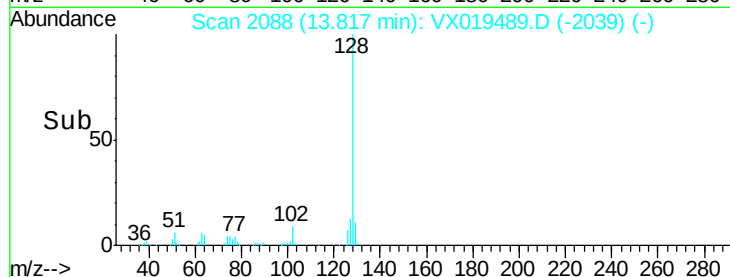
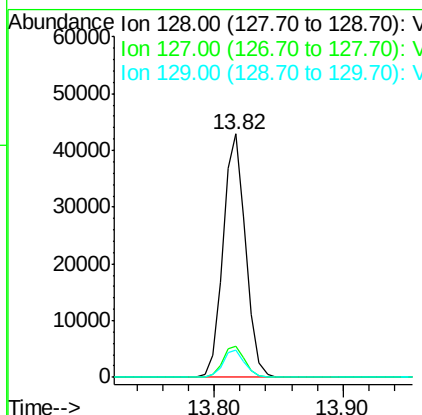
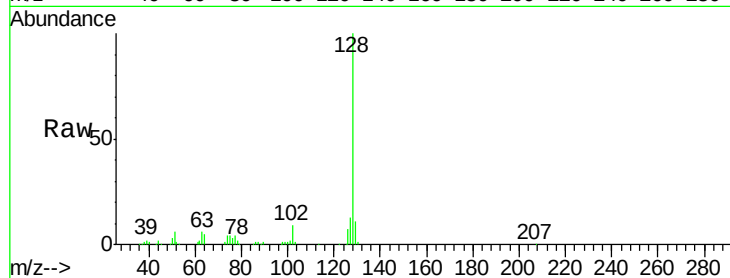
#95
Naphthalene
Concen: 4.581 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX019489.D
Acq: 20 Nov 2020 10:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
11/23/2020 3:50:30 PM



#96
1,2,3-Trichlorobenzene
Concen: 4.738 ug/l
RT: 14.00 min Scan# 2118
Delta R.T. 0.00 min
Lab File: VX019489.D
Acq: 20 Nov 2020 10:07

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	48.1	144.3
145	33.4	16.6	49.8

