

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070820\
 Data File : VN062402.D
 Acq On : 8 Jul 2020 11:51
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 7/9/2020 10:54:54 AM

Quant Time: Jul 09 02:06:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N070820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 08 11:45:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	215897	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	377811	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	348965	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	166447	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	302375	79.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	159.74%	
35) Dibromofluoromethane	7.55	113	211267	83.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	167.06%	
50) Toluene-d8	10.06	98	845689	89.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	178.16%	
62) 4-Bromofluorobenzene	12.38	95	317746	87.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	175.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	203476	84.025	ug/l	97
3) Chloromethane	2.03	50	319046	87.541	ug/l	100
4) Vinyl Chloride	2.16	62	267627	86.339	ug/l	97
5) Bromomethane	2.51	94	142973m	89.231	ug/l	
6) Chloroethane	2.66	64	157741	87.288	ug/l	97
7) Trichlorofluoromethane	2.98	101	332612	79.222	ug/l	100
8) Diethyl Ether	3.37	74	156586	93.603	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	202333	84.655	ug/l	99
10) Methyl Iodide	3.91	142	287019	98.951	ug/l	100
11) Tert butyl alcohol	4.74	59	250213	464.341	ug/l	99
12) 1,1-Dichloroethene	3.69	96	206104	91.992	ug/l	97
13) Acrolein	3.56	56	192412	695.040	ug/l	100
14) Allyl chloride	4.27	41	498453	92.204	ug/l	100
15) Acrylonitrile	4.93	53	715757	499.583	ug/l	100
16) Acetone	3.77	43	614039	351.342	ug/l	98
17) Carbon Disulfide	4.00	76	640076	90.168	ug/l	99
18) Methyl Acetate	4.28	43	321537	81.997	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	792183	93.168	ug/l	100
20) Methylene Chloride	4.50	84	259181	80.720	ug/l	97
21) trans-1,2-Dichloroethene	4.98	96	224344	90.557	ug/l	98
22) Diisopropyl ether	5.90	45	976397	90.579	ug/l	97
23) Vinyl Acetate	5.84	43	4156183	496.432	ug/l	100
24) 1,1-Dichloroethane	5.80	63	495520	91.927	ug/l	100
25) 2-Butanone	6.79	43	998725	445.965	ug/l	99
26) 2,2-Dichloropropane	6.77	77	383706	87.589	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	264306	93.435	ug/l	100
28) Bromochloromethane	7.15	49	265323	89.583	ug/l	99
29) Tetrahydrofuran	7.17	42	665567	465.563	ug/l	99
30) Chloroform	7.33	83	453249	87.069	ug/l	100
31) Cyclohexane	7.61	56	446146	89.303	ug/l	99
32) 1,1,1-Trichloroethane	7.53	97	379432	87.086	ug/l	100
36) 1,1-Dichloropropene	7.75	75	352817	88.201	ug/l	99
37) Ethyl Acetate	6.88	43	414493	89.031	ug/l	99
38) Carbon Tetrachloride	7.73	117	320573	81.205	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	393313	91.345	ug/l	98
40) Benzene	8.00	78	1049235	92.207	ug/l	100
41) Methacrylonitrile	7.13	41	190866	82.311	ug/l	97
42) 1,2-Dichloroethane	8.09	62	390845	79.972	ug/l	99
43) Isopropyl Acetate	8.13	43	683683	87.915	ug/l	99
44) Trichloroethene	8.80	130	234500	86.830	ug/l	99
45) 1,2-Dichloropropane	9.09	63	304427	91.226	ug/l	99
46) Dibromomethane	9.18	93	171662	84.280	ug/l	99
47) Bromodichloromethane	9.37	83	375098	86.331	ug/l	99
48) Methyl methacrylate	9.17	41	336450	85.123	ug/l	100
49) 1,4-Dioxane	9.17	88	97179	1789.397	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	2059036	490.954	ug/l	99
52) Toluene	10.12	92	620816	92.053	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	442181	94.522	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	474954	94.329	ug/l	99
55) 1,1,2-Trichloroethane	10.54	97	241088	88.685	ug/l	96
56) Ethyl methacrylate	10.40	69	440844	100.464	ug/l	99
57) 1,3-Dichloropropane	10.68	76	454099	90.283	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	795711	512.379	ug/l	99
59) 2-Hexanone	10.72	43	1529341	485.638	ug/l	99
60) Dibromochloromethane	10.87	129	270977	88.480	ug/l	99
61) 1,2-Dibromoethane	10.98	107	251318	90.480	ug/l	100
64) Tetrachloroethene	10.60	164	190759	84.777	ug/l	98
65) Chlorobenzene	11.41	112	638935	88.875	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	237783	88.160	ug/l	98
67) Ethyl Benzene	11.48	91	1236919	97.248	ug/l	99
68) m/p-Xylenes	11.59	106	886273	190.589	ug/l	99
69) o-Xylene	11.92	106	425690	92.804	ug/l	100
70) Styrene	11.94	104	739914	97.604	ug/l	100
71) Bromoform	12.10	173	186011	88.407	ug/l #	98
73) Isopropylbenzene	12.22	105	1149121	92.020	ug/l	100
74) N-amyl acetate	12.05	43	621798	93.993	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	379042	86.646	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	366075m	90.996	ug/l	
77) Bromobenzene	12.50	156	264602	89.918	ug/l	98
78) n-propylbenzene	12.57	91	1390726	97.558	ug/l	100
79) 2-Chlorotoluene	12.65	91	828348	91.451	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	978314	93.539	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	143833	99.432	ug/l	97
82) 4-Chlorotoluene	12.75	91	866878	93.745	ug/l	100
83) tert-Butylbenzene	12.97	119	819514	91.926	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	987386	95.381	ug/l	100
85) sec-Butylbenzene	13.15	105	1104757	97.065	ug/l	100
86) p-Isopropyltoluene	13.26	119	979390	95.565	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	475226	90.142	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	477070	87.599	ug/l	99
89) n-Butylbenzene	13.59	91	903057	102.224	ug/l	100
90) Hexachloroethane	13.85	117	191177	88.000	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	452448	89.562	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	75744	89.610	ug/l	99

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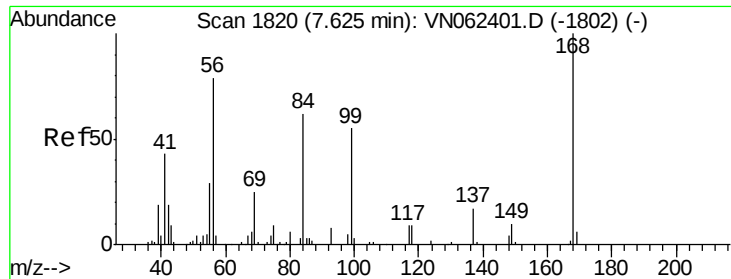
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	248725	105.176	ug/l	99
94) Hexachlorobutadiene	14.98	225	117832	79.627	ug/l	99
95) Naphthalene	15.10	128	693604	110.657	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	247095	101.838	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN062402.D

Acq: 8 Jul 2020 11:51

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion:168 Resp: 215897

Ion Ratio Lower Upper

168 100

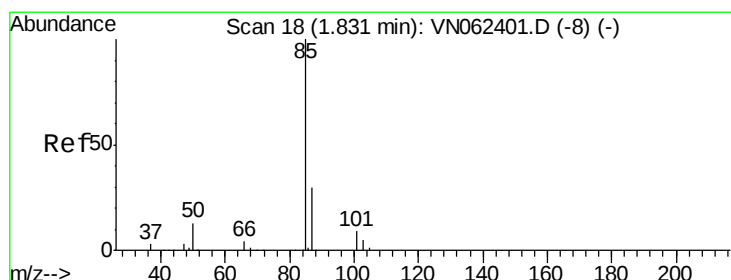
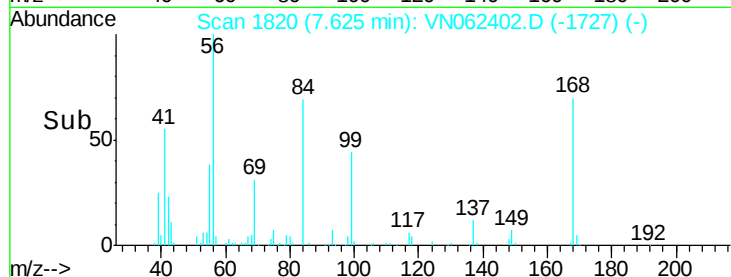
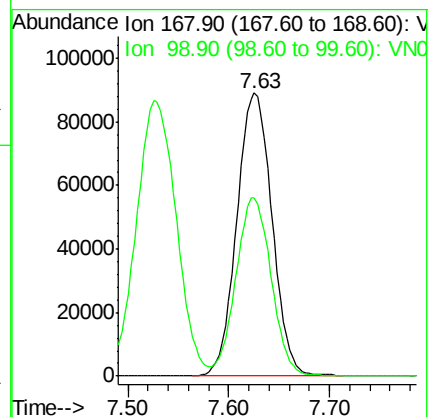
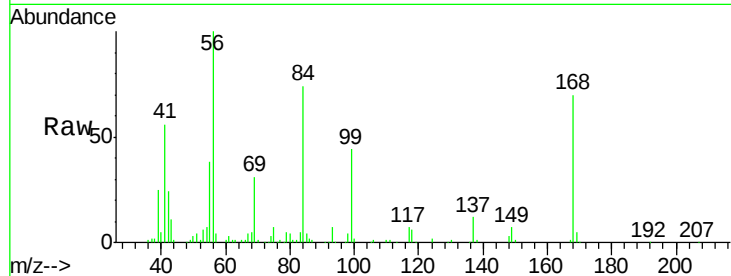
99 62.9 48.8 73.2

Manual Integrations

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7/9/2020 10:54:54 AM



#2

Dichlorodifluoromethane

Concen: 84.025 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN062402.D

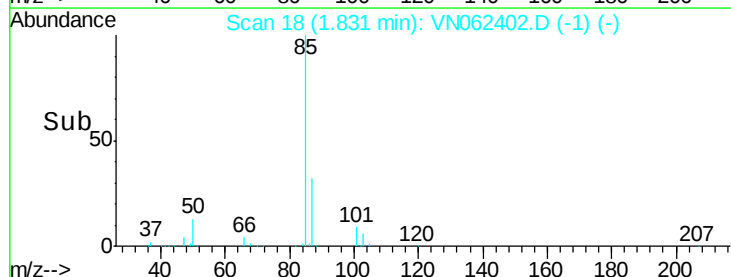
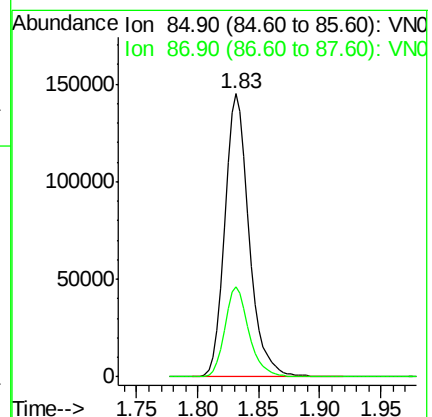
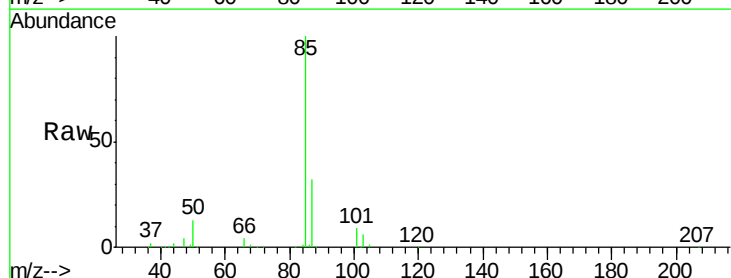
Acq: 8 Jul 2020 11:51

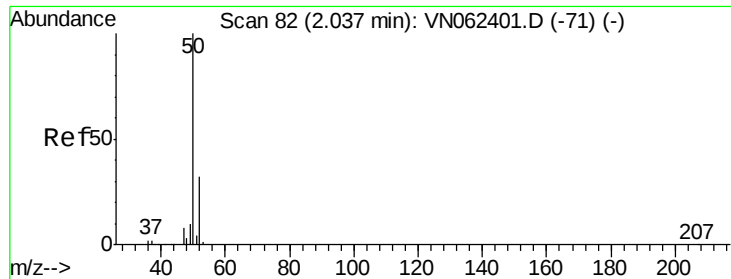
Tgt Ion: 85 Resp: 203476

Ion Ratio Lower Upper

85 100

87 32.0 15.2 45.5





#3

Chloromethane

Concen: 87.541 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN062402.D

Acq: 8 Jul 2020 11:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 319046

Ion Ratio Lower Upper

50 100

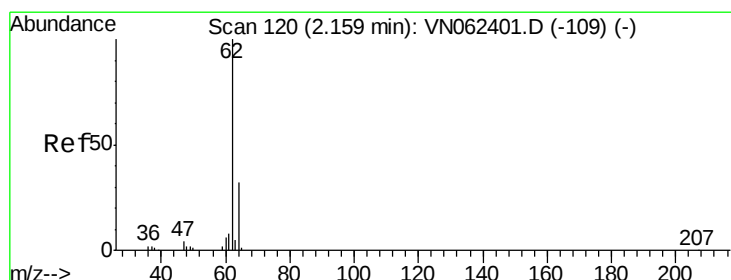
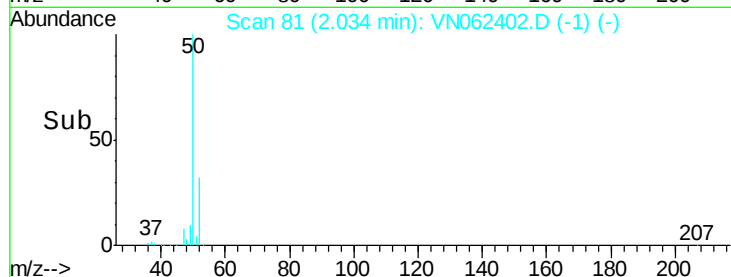
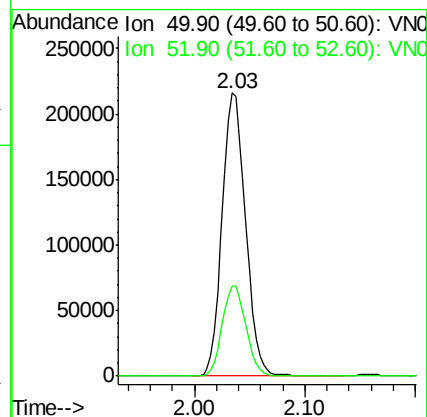
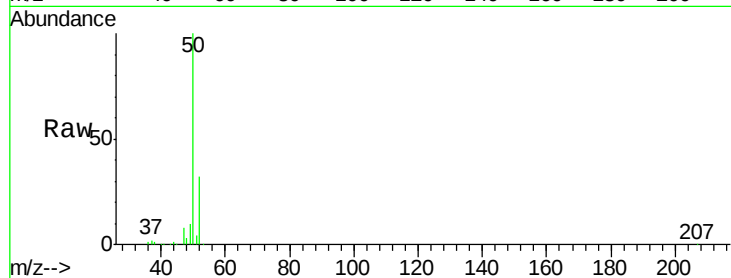
52 31.8 25.5 38.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 86.339 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN062402.D

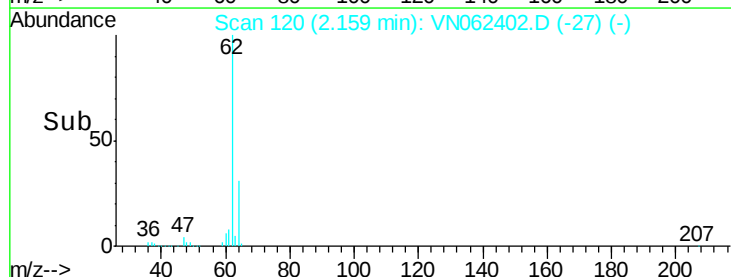
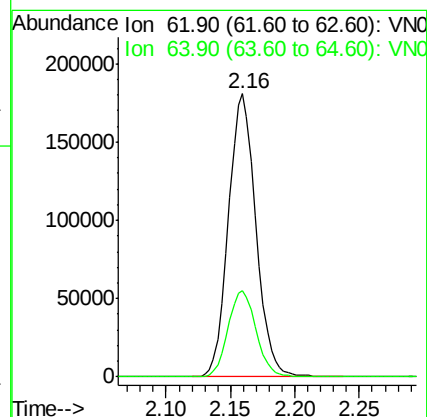
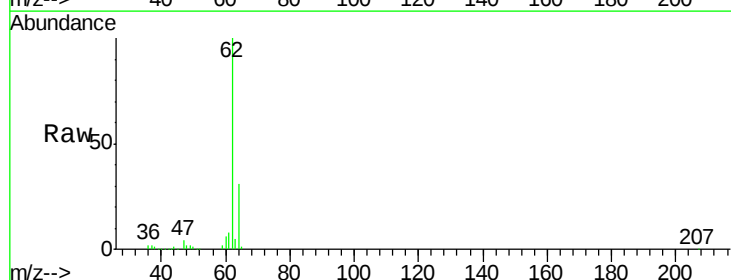
Acq: 8 Jul 2020 11:51

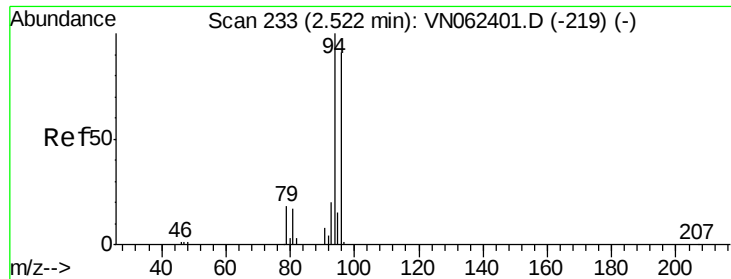
Tgt Ion: 62 Resp: 267627

Ion Ratio Lower Upper

62 100

64 30.6 25.7 38.5





#5

Bromomethane

Concen: 89.231 ug/l m

RT: 2.51 min Scan# 228

Delta R.T. -0.02 min

Lab File: VN062402.D

Acq: 8 Jul 2020 11:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 142973

Ion Ratio Lower Upper

94 100

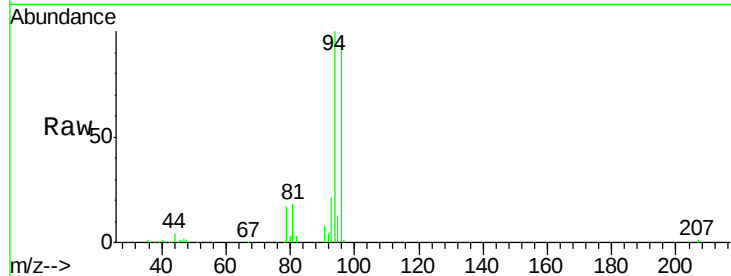
96 92.8 73.2 109.8

Manual Integrations

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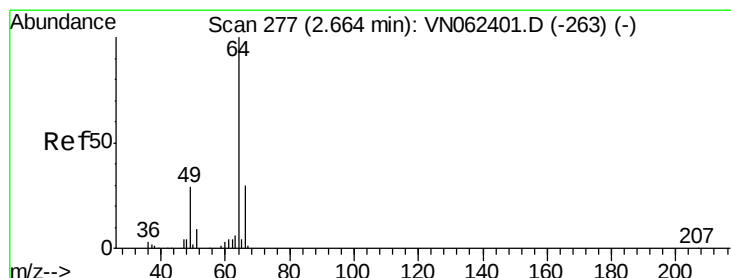
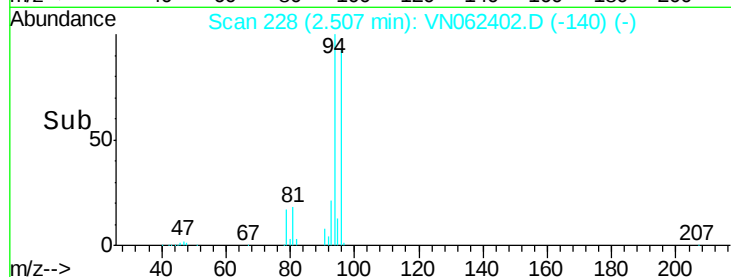
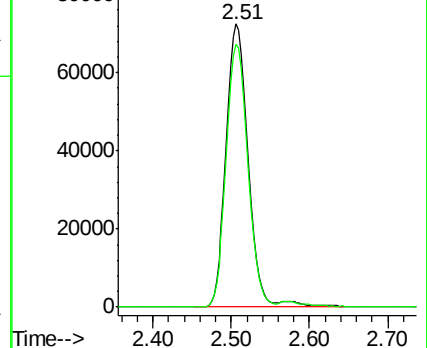
MMDadoda

7/9/2020 10:54:54 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 87.288 ug/l

RT: 2.66 min Scan# 275

Delta R.T. -0.01 min

Lab File: VN062402.D

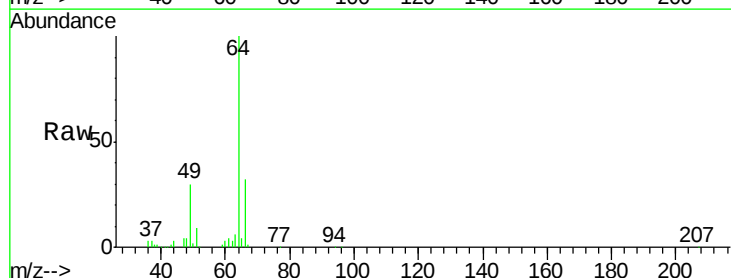
Acq: 8 Jul 2020 11:51

Tgt Ion: 64 Resp: 157741

Ion Ratio Lower Upper

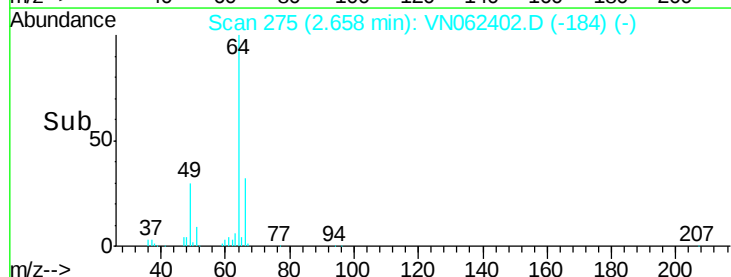
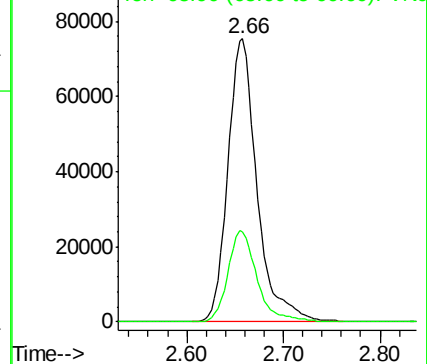
64 100

66 31.7 24.2 36.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

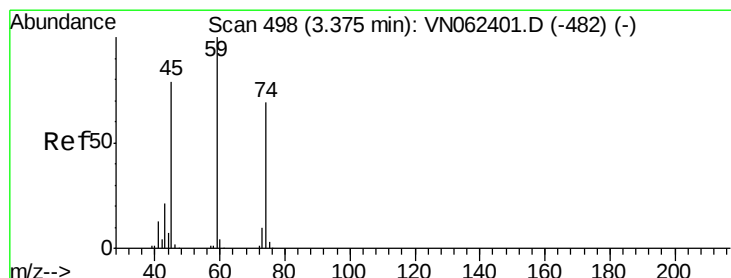
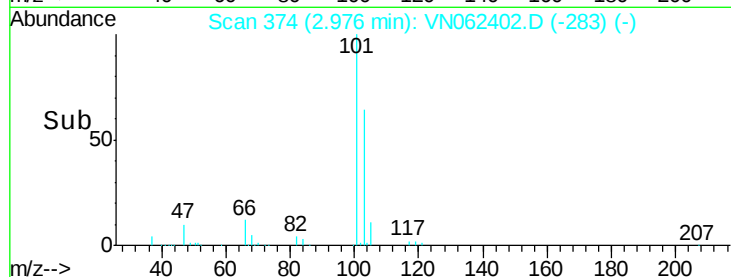
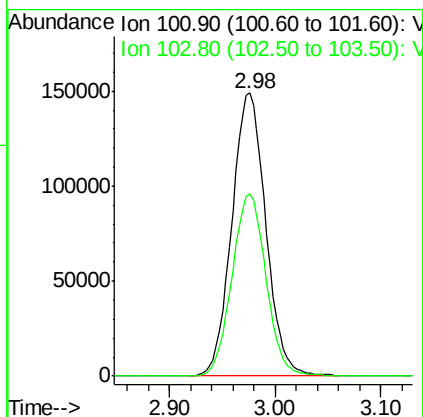
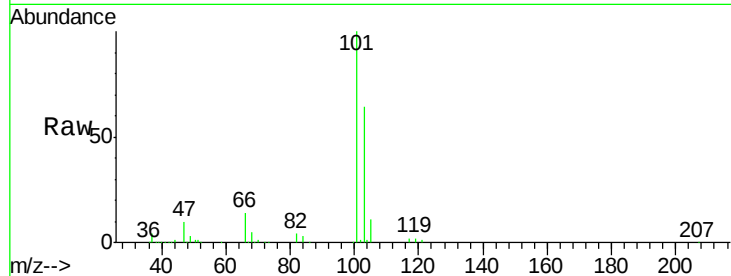
Trichlorofluoromethane
 Concen: 79.222 ug/l
 RT: 2.98 min Scan# 374
 Delta R.T. -0.01 min
 Lab File: VN062402.D
 Acq: 8 Jul 2020 11:51

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 VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		332612		
103	64.4	51.6	77.4		

Manual Integrations
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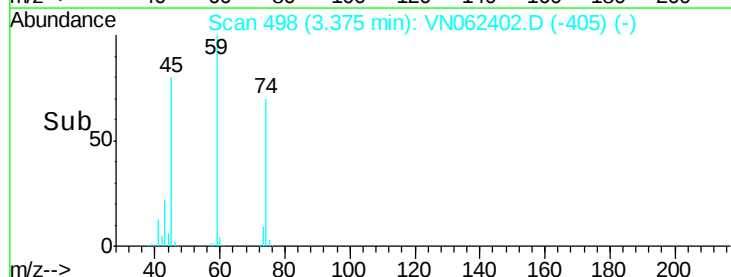
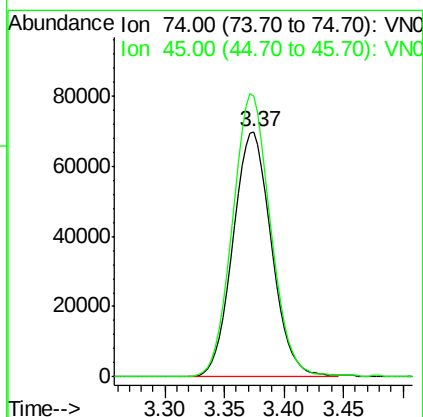
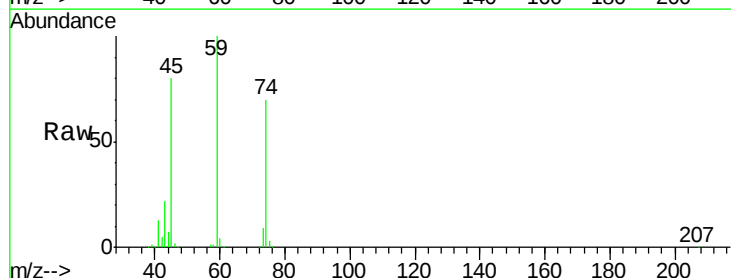
MMDadoda
 7/9/2020 10:54:54 AM

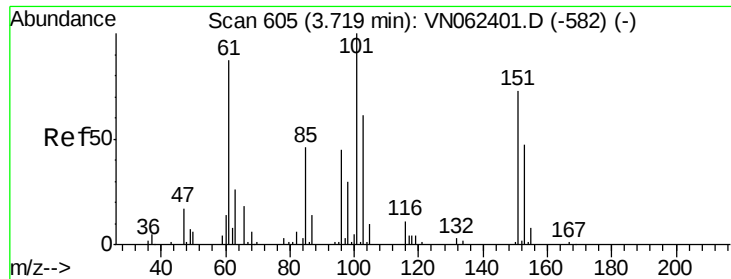


#8

Diethyl Ether
 Concen: 93.603 ug/l
 RT: 3.37 min Scan# 498
 Delta R.T. 0.00 min
 Lab File: VN062402.D
 Acq: 8 Jul 2020 11:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		156586		
45	114.0	58.5	175.3		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 84.655 ug/l

RT: 3.72 min Scan# 604

Delta R.T. -0.00 min

Lab File: VN062402.D

Acq: 8 Jul 2020 11:51

Instrument :

MSVOA_N

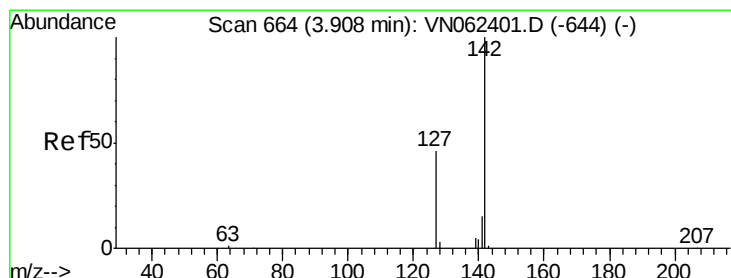
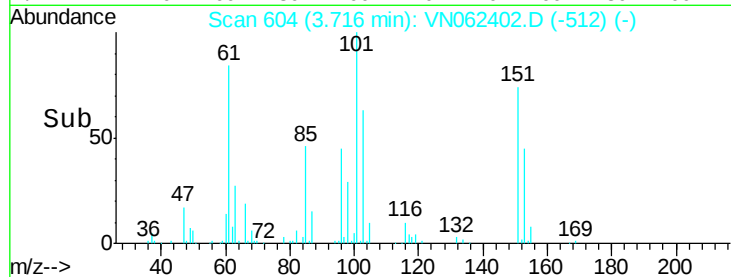
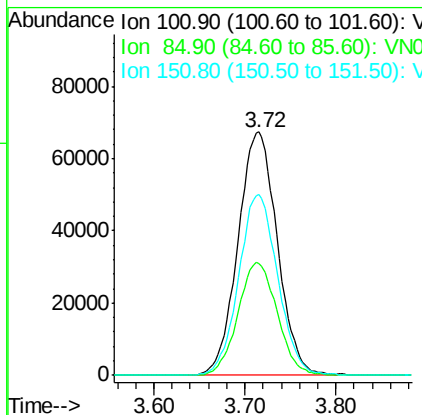
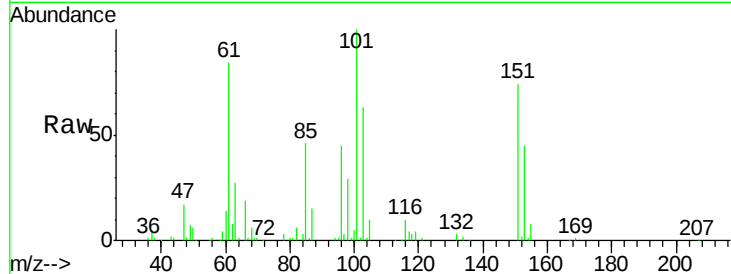
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	202333
Ion Ratio	Lower	Upper	
101	100		
85	46.2	36.7	55.1
151	73.9	58.3	87.5

Manual Integrations
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MMDadoda
7/9/2020 10:54:54 AM



#10

Methyl Iodide

Concen: 98.951 ug/l

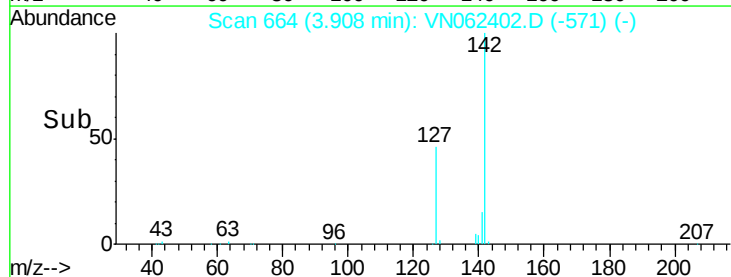
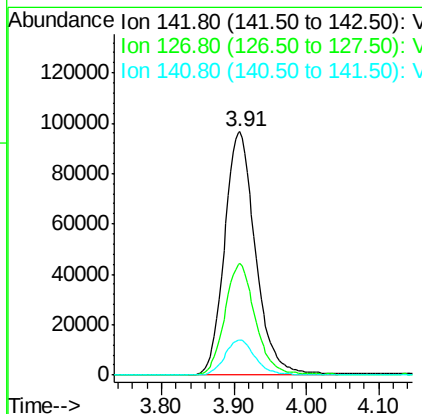
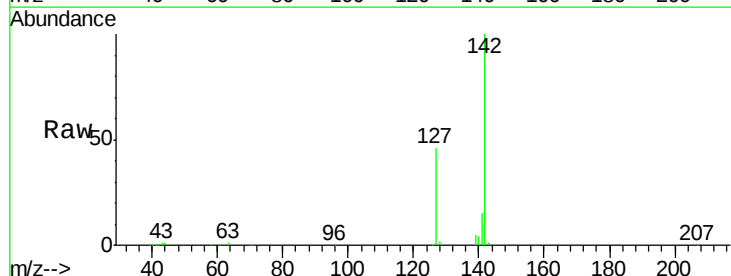
RT: 3.91 min Scan# 664

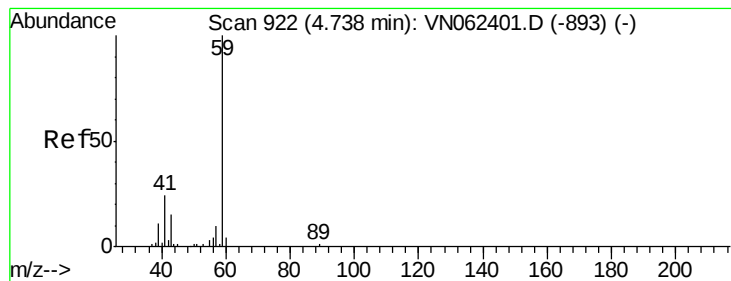
Delta R.T. 0.00 min

Lab File: VN062402.D

Acq: 8 Jul 2020 11:51

Tgt Ion:	142	Resp:	287019
Ion Ratio	Lower	Upper	
142	100		
127	45.2	36.1	54.1
141	14.3	11.4	17.0





#11

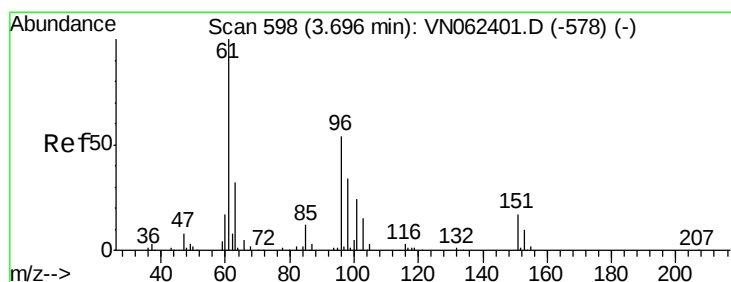
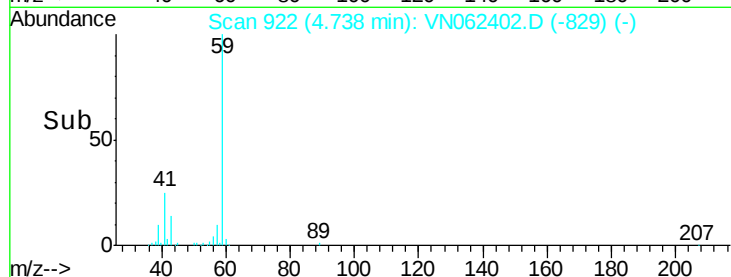
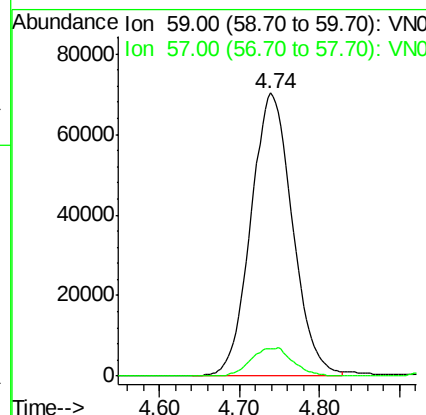
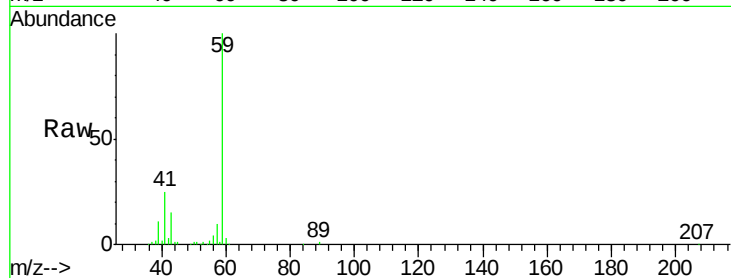
Tert butyl alcohol
Concen: 464.341 ug/l
RT: 4.74 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN062402.D
Acq: 8 Jul 2020 11:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	7.8	11.6

Manual Integrations
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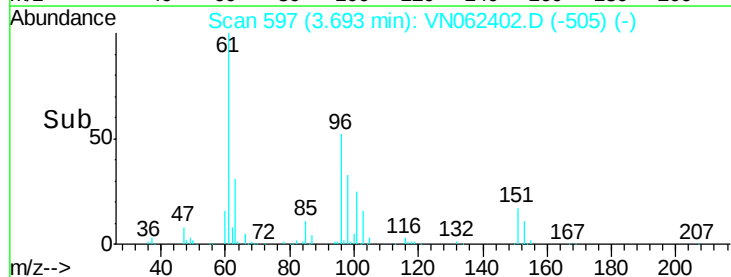
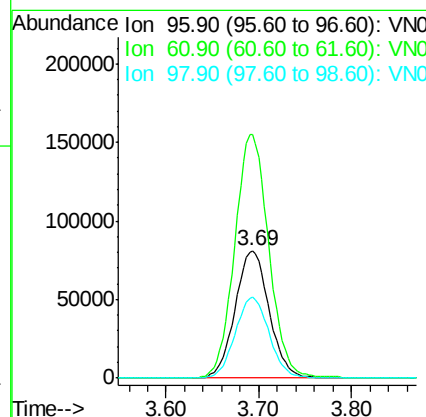
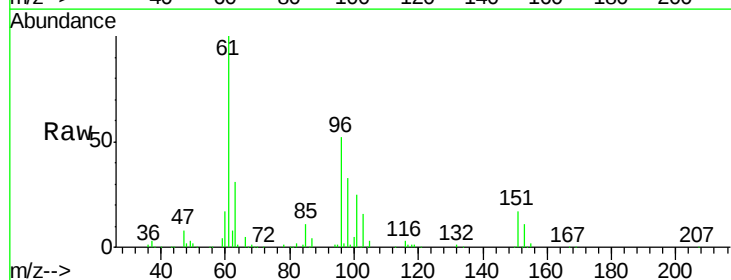
MMDadoda
7/9/2020 10:54:54 AM

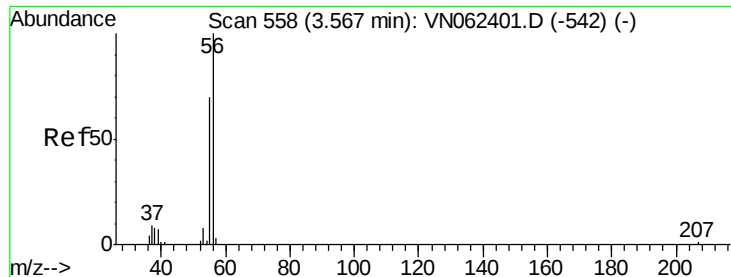


#12

1,1-Dichloroethene
Concen: 91.992 ug/l
RT: 3.69 min Scan# 597
Delta R.T. -0.00 min
Lab File: VN062402.D
Acq: 8 Jul 2020 11:51

Tgt Ion	Ratio	Lower	Upper
96	100		
61	190.6	147.4	221.0
98	63.3	50.4	75.6





#13

Acrolein

Concen: 695.040 ug/l

RT: 3.56 min Scan# 557

Delta R.T. -0.00 min

Lab File: VN062402.D

Acq: 8 Jul 2020 11:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 192412

Ion Ratio Lower Upper

56 100

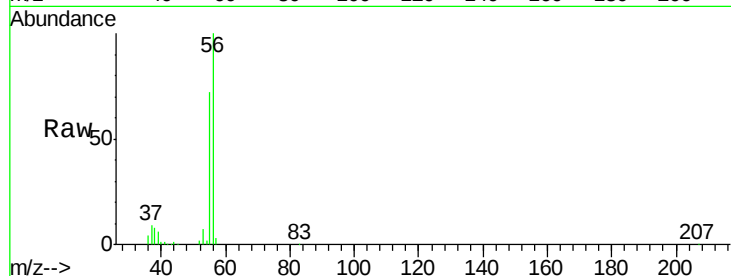
55 71.3 57.2 85.8

Manual Integrations

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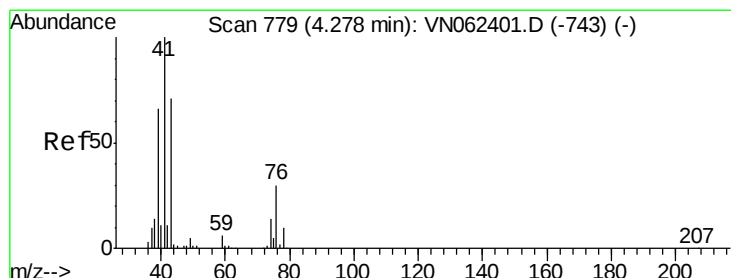
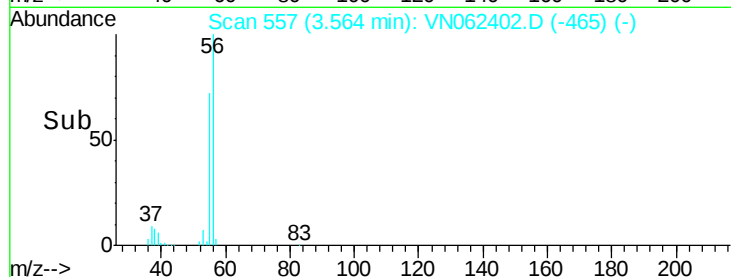
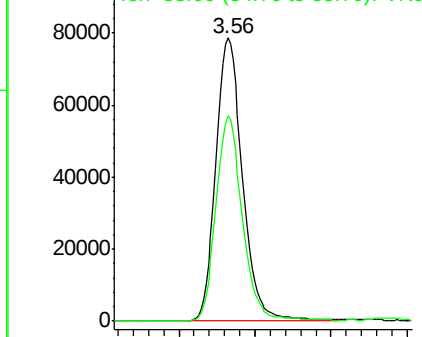
MMDadoda

7/9/2020 10:54:54 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 92.204 ug/l

RT: 4.27 min Scan# 777

Delta R.T. -0.01 min

Lab File: VN062402.D

Acq: 8 Jul 2020 11:51

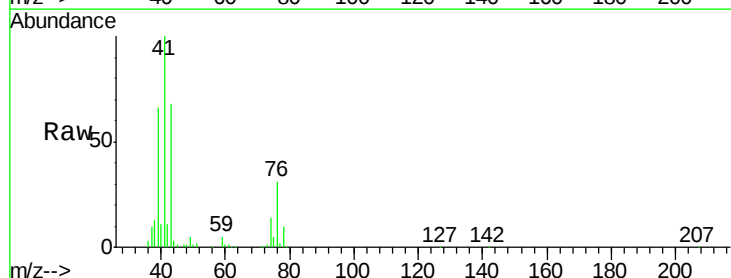
Tgt Ion: 41 Resp: 498453

Ion Ratio Lower Upper

41 100

39 62.1 49.6 74.4

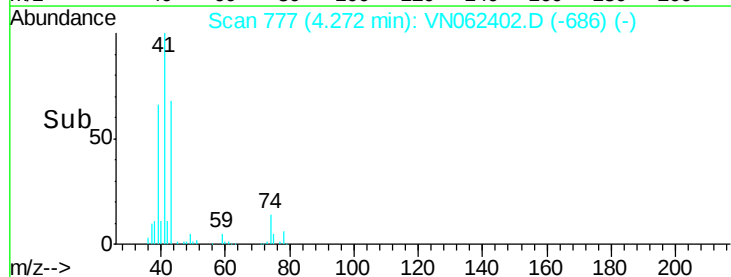
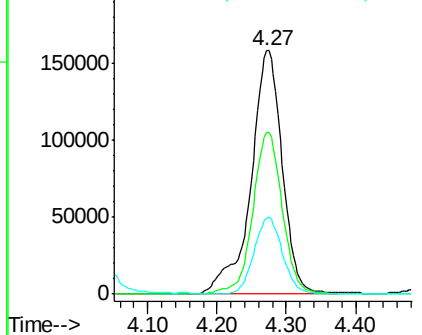
76 27.9 22.2 33.4



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 499.583 ug/l

RT: 4.93 min Scan# 981

Delta R.T. -0.00 min

Lab File: VN062402.D

Acq: 8 Jul 2020 11:51

Instrument :

MSVOA_N

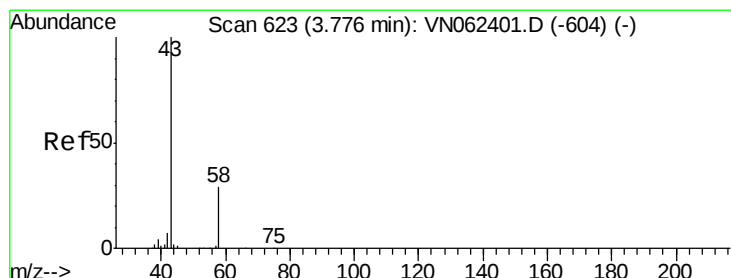
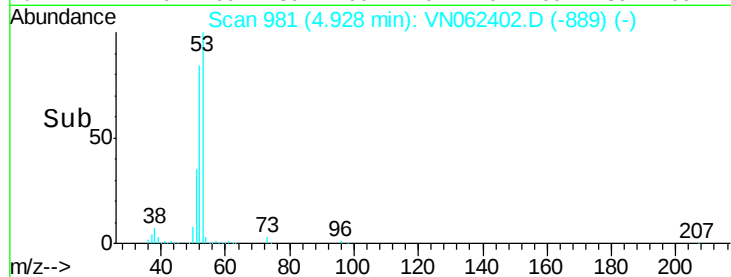
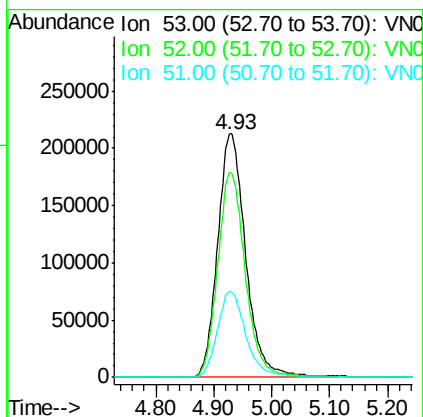
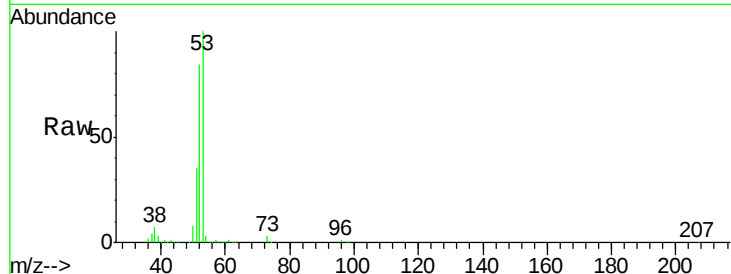
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	715757
Ion Ratio		Lower	Upper
53	100		
52	82.4	66.2	99.4
51	35.8	28.7	43.1

Manual Integrations
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#16

Acetone

Concen: 351.342 ug/l

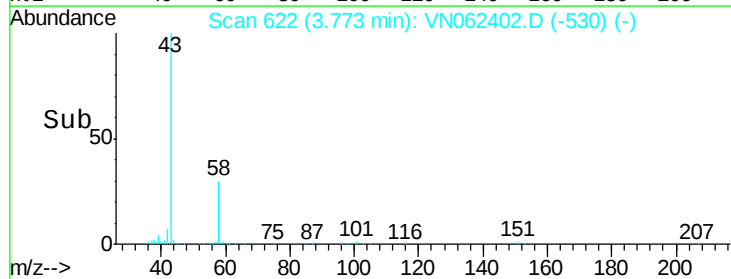
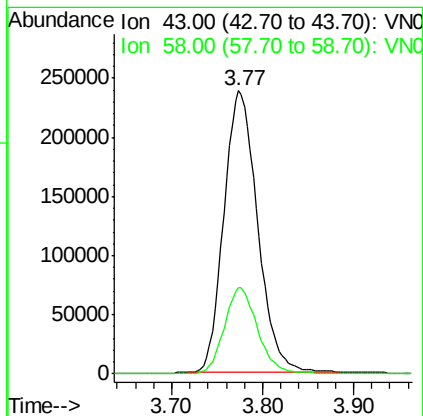
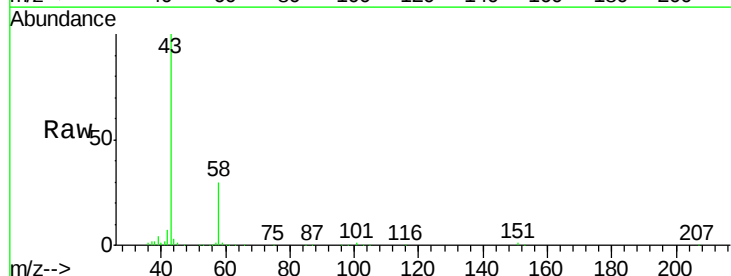
RT: 3.77 min Scan# 622

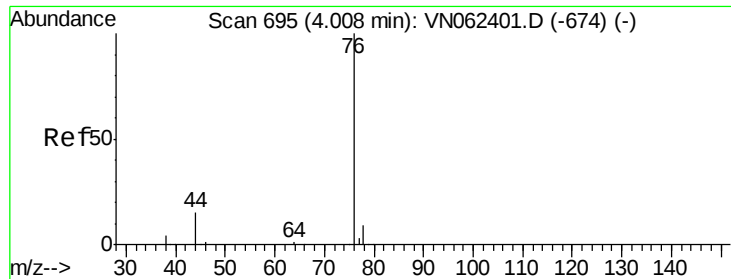
Delta R.T. -0.00 min

Lab File: VN062402.D

Acq: 8 Jul 2020 11:51

Tgt Ion:	43	Resp:	614039
Ion Ratio		Lower	Upper
43	100		
58	30.5	23.5	35.3





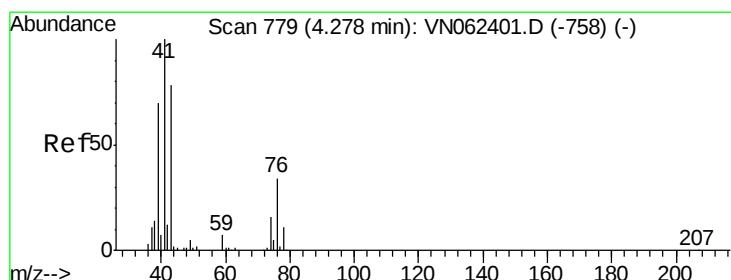
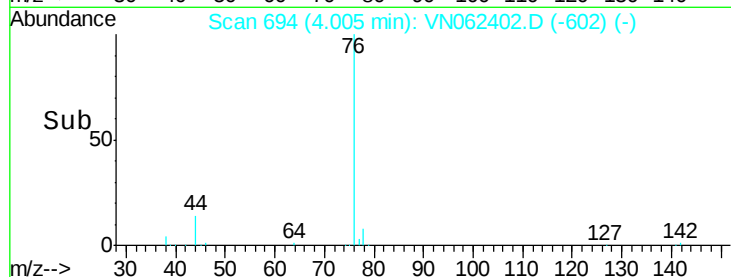
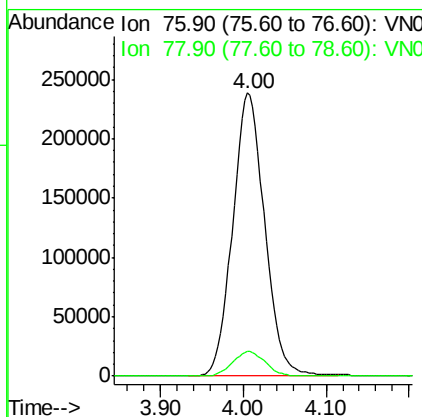
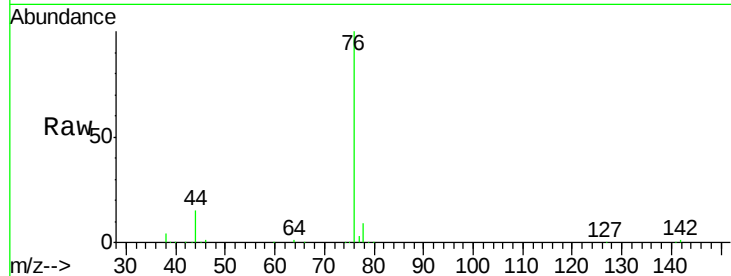
#17
Carbon Disulfide
Concen: 90.168 ug/l
RT: 4.00 min Scan# 694
Delta R.T. -0.00 min
Lab File: VN062402.D
Acq: 8 Jul 2020 11:51

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.3	10.9

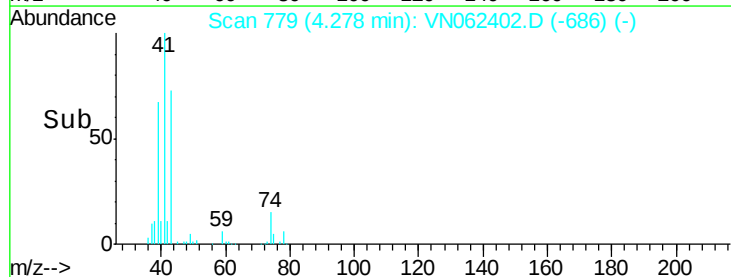
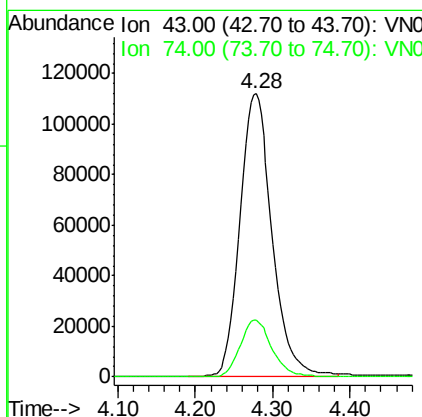
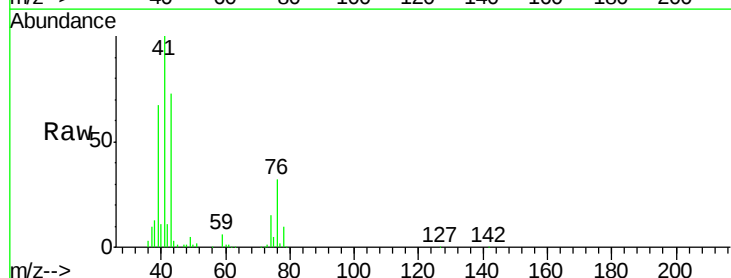
Manual Integrations
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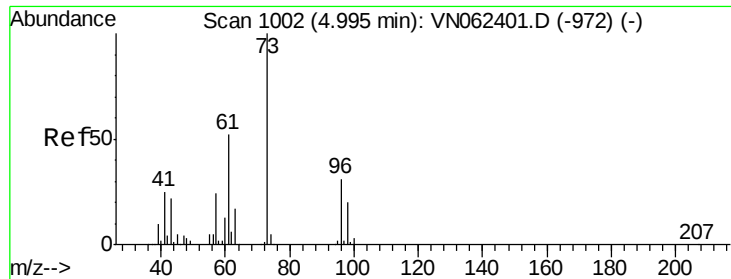
MMDadoda
7/9/2020 10:54:54 AM



#18
Methyl Acetate
Concen: 81.997 ug/l
RT: 4.28 min Scan# 779
Delta R.T. 0.00 min
Lab File: VN062402.D
Acq: 8 Jul 2020 11:51

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.2	16.0	24.0





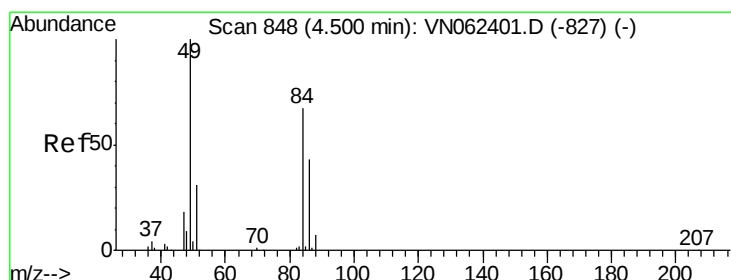
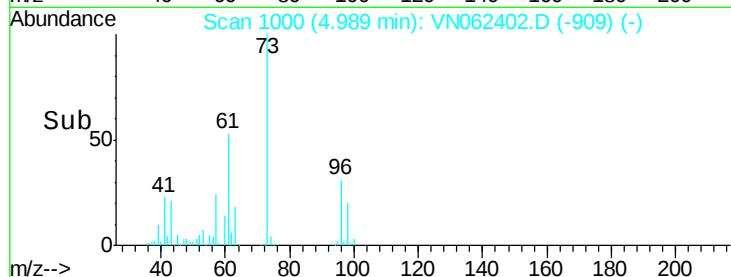
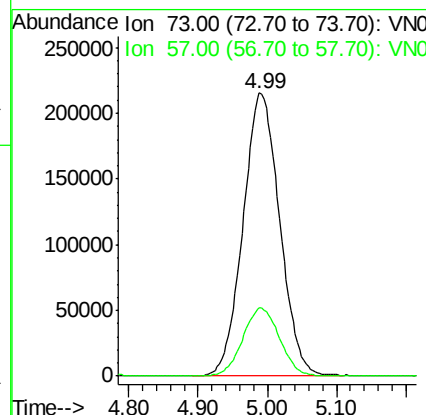
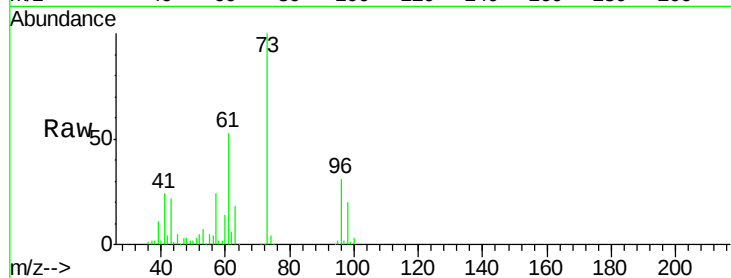
#19
Methvl tert-butvl Ether
Concen: 93.168 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. -0.01 min
Lab File: VN062402.D
Acq: 8 Jul 2020 11:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 73 Resp: 792183
Ion Ratio Lower Upper
73 100
57 24.2 19.4 29.0

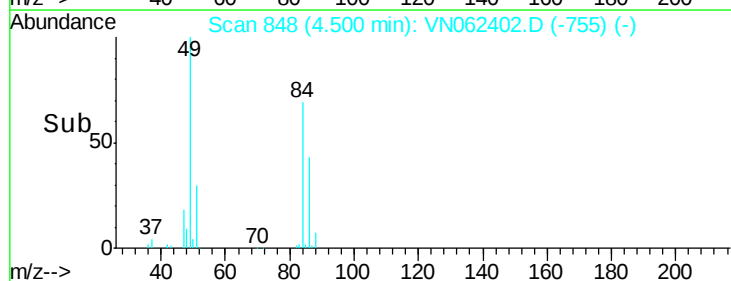
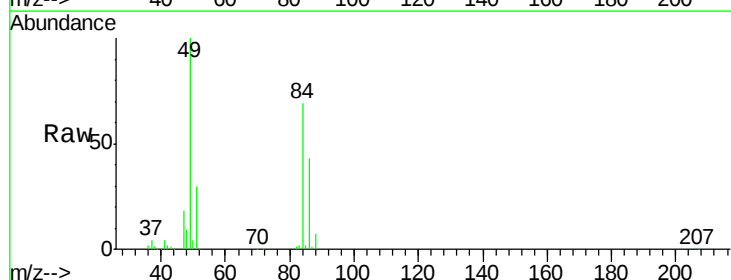
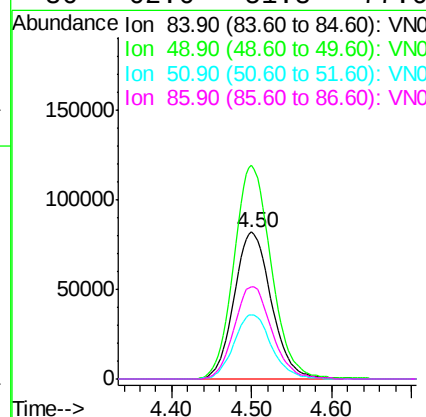
Manual Integrations
APPROVED

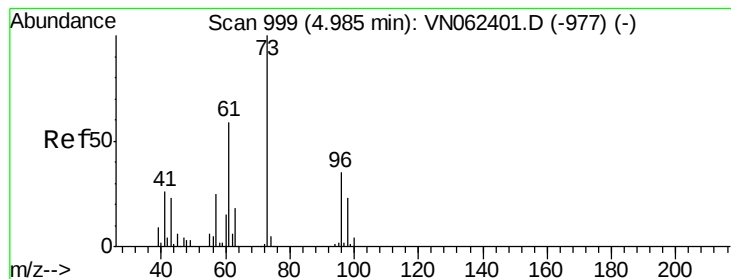
MMDadoda
7/9/2020 10:54:54 AM



#20
Methylene Chloride
Concen: 80.720 ug/l
RT: 4.50 min Scan# 848
Delta R.T. 0.00 min
Lab File: VN062402.D
Acq: 8 Jul 2020 11:51

Tgt Ion: 84 Resp: 259181
Ion Ratio Lower Upper
84 100
49 145.6 120.0 180.0
51 44.1 37.0 55.6
86 62.6 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 90.557 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.00 min

Lab File: VN062402.D

Acq: 8 Jul 2020 11:51

Instrument :

MSVOA_N

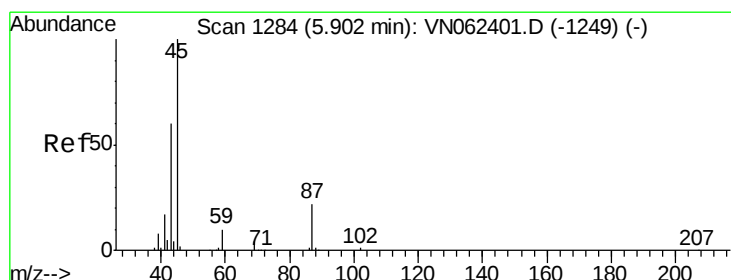
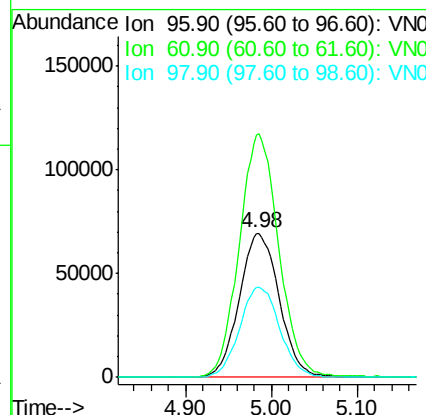
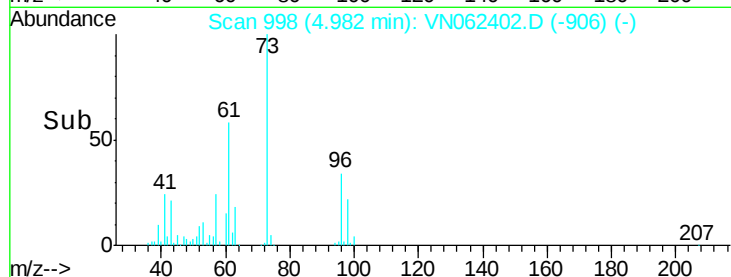
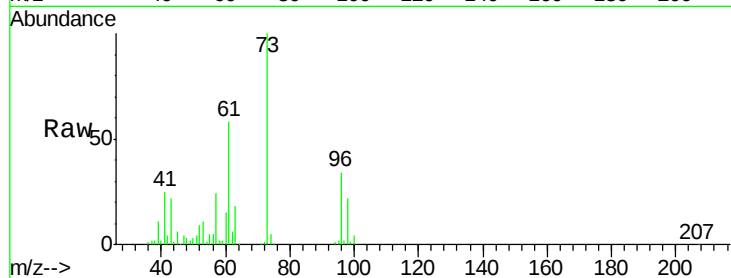
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	224344
Ion	Ratio	Lower	Upper
96	100		
61	168.2	133.5	200.3
98	62.5	51.9	77.9

Manual Integrations
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7/9/2020 10:54:54 AM



#22

Diisopropyl ether

Concen: 90.579 ug/l

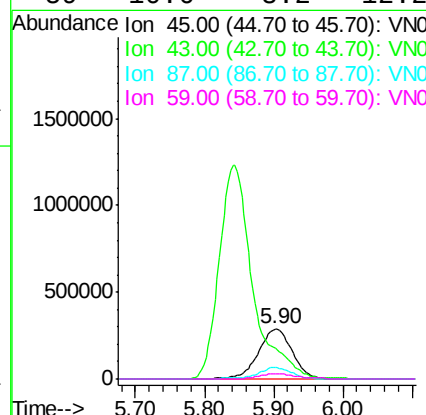
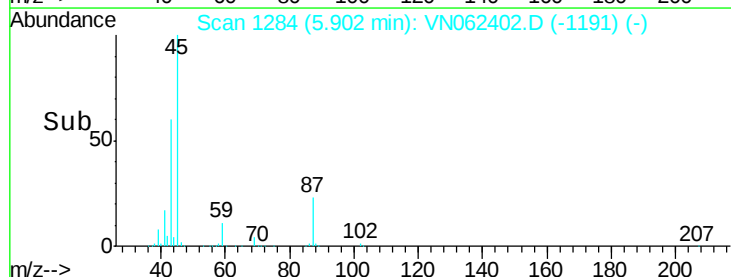
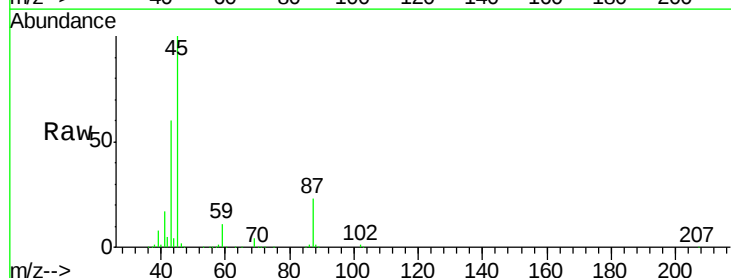
RT: 5.90 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VN062402.D

Acq: 8 Jul 2020 11:51

Tgt Ion:	45	Resp:	976397
Ion	Ratio	Lower	Upper
45	100		
43	58.9	50.1	75.1
87	23.0	18.2	27.4
59	10.6	8.2	12.2





#23

Vinyl Acetate

Concen: 496.432 ug/l

RT: 5.84 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VN062402.D

Acq: 8 Jul 2020 11:51

Instrument :

MSVOA_N

ClientSampled :

VSTDICC100

Tot Ion: 43 Resp: 4156183

Ion Ratio Lower Upper

43 100

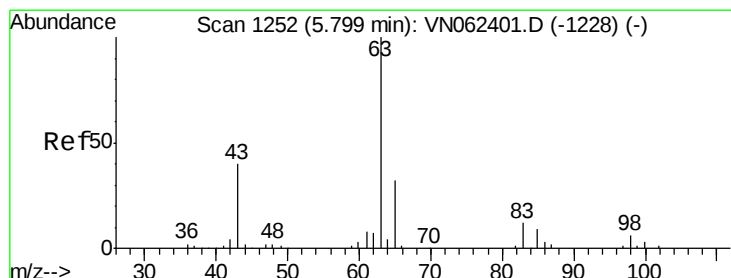
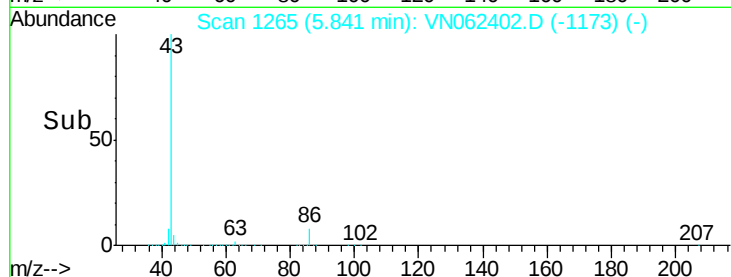
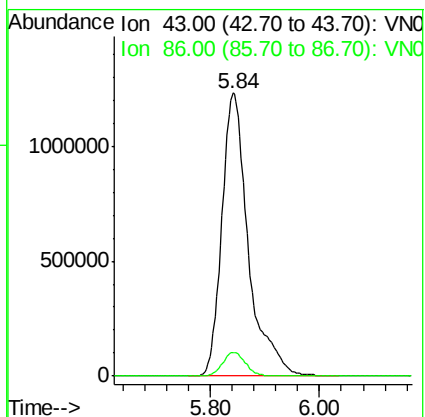
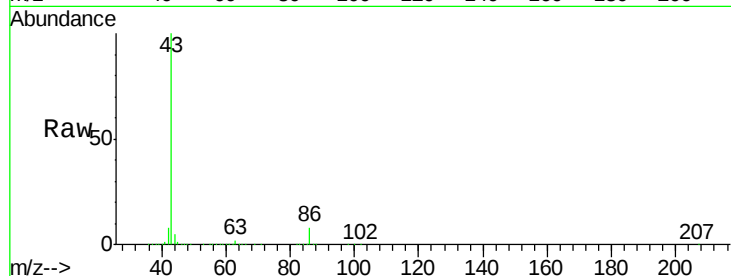
86 8.4 6.7 10.1

Manual Integrations

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MMDadoda

7/9/2020 10:54:54 AM



#24

1,1-Dichloroethane

Concen: 91.927 ug/l

RT: 5.80 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VN062402.D

Acq: 8 Jul 2020 11:51

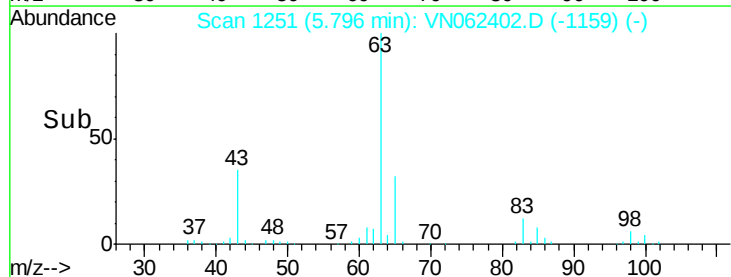
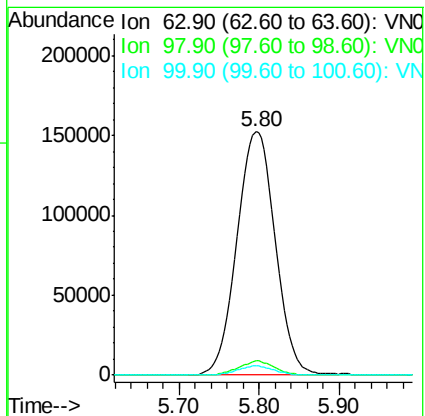
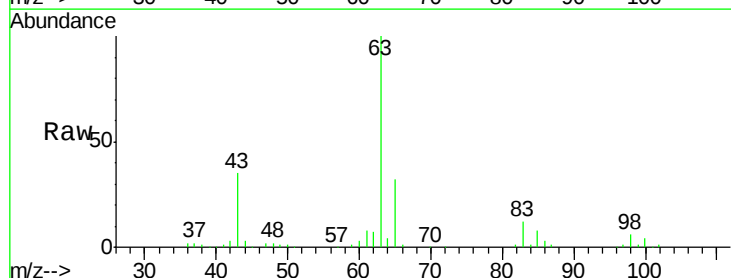
Tgt Ion: 63 Resp: 495520

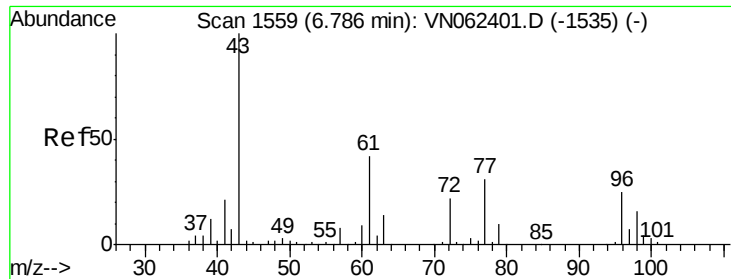
Ion Ratio Lower Upper

63 100

98 5.8 2.9 8.8

100 3.7 1.8 5.3





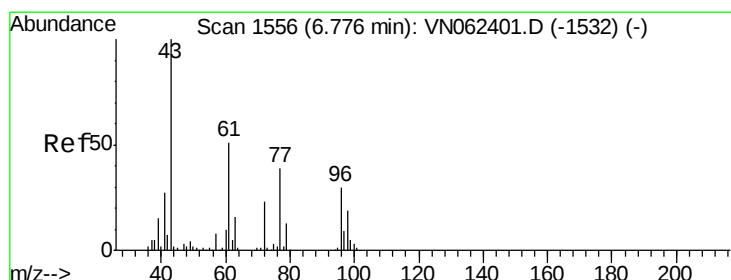
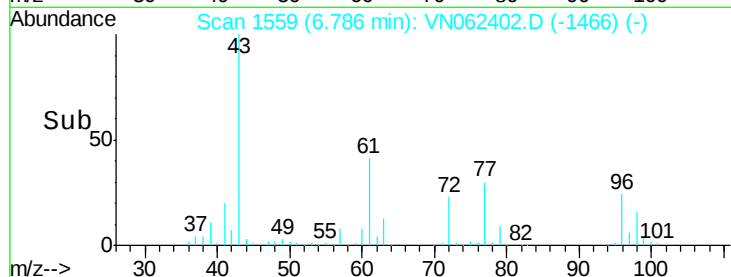
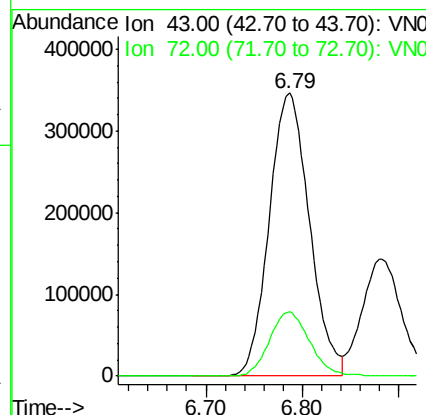
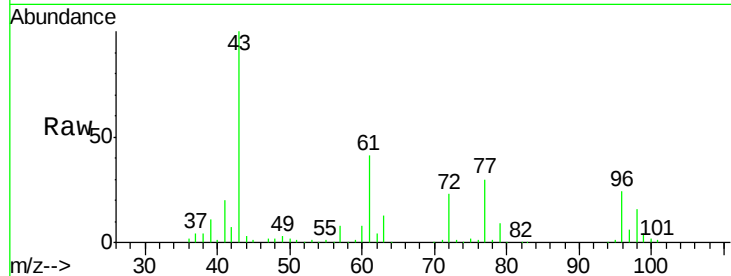
#25
2-Butanone
Concen: 445.965 ug/l
RT: 6.79 min Scan# 1559
Delta R.T. 0.00 min
Lab File: VN062402.D
Acq: 8 Jul 2020 11:51

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion: 43 Resp: 998725
Ion Ratio Lower Upper
43 100
72 22.8 17.9 26.9

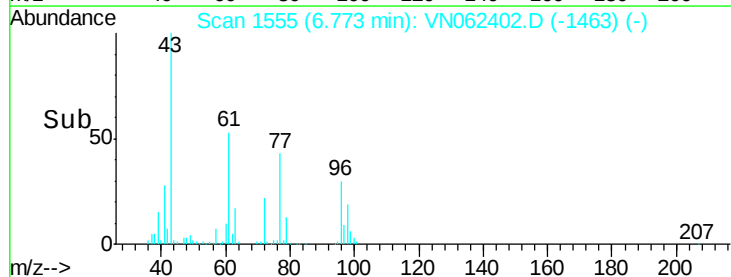
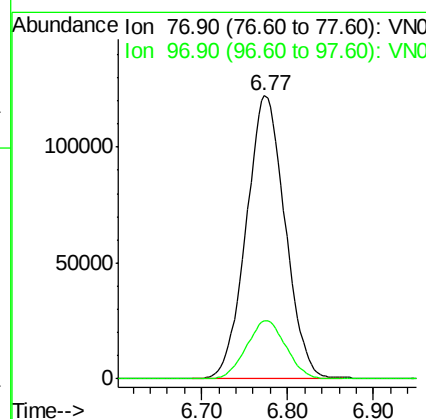
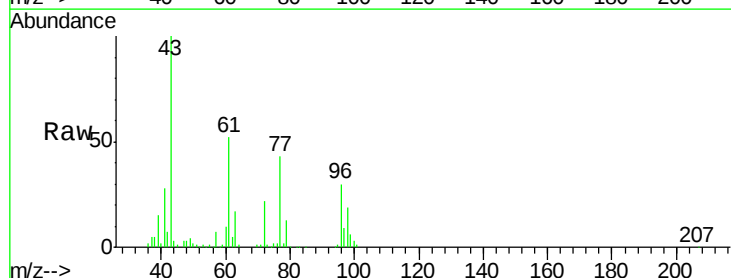
Manual Integrations
APPROVED

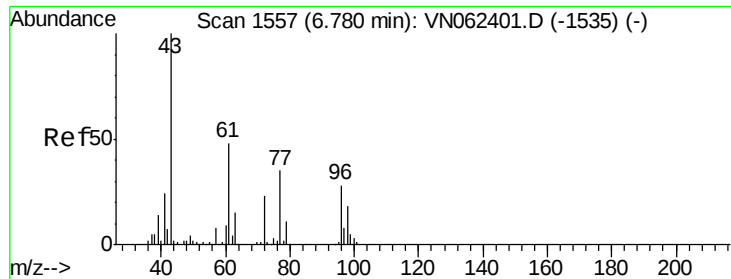
MMDadoda
7/9/2020 10:54:54 AM



#26
2,2-Dichloropropane
Concen: 87.589 ug/l
RT: 6.77 min Scan# 1555
Delta R.T. -0.00 min
Lab File: VN062402.D
Acq: 8 Jul 2020 11:51

Tgt Ion: 77 Resp: 383706
Ion Ratio Lower Upper
77 100
97 20.9 10.9 32.9





#27

cis-1,2-Dichloroethene

Concen: 93.435 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. 0.00 min

Lab File: VN062402.D

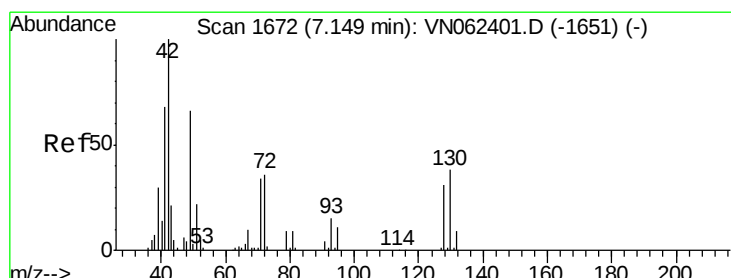
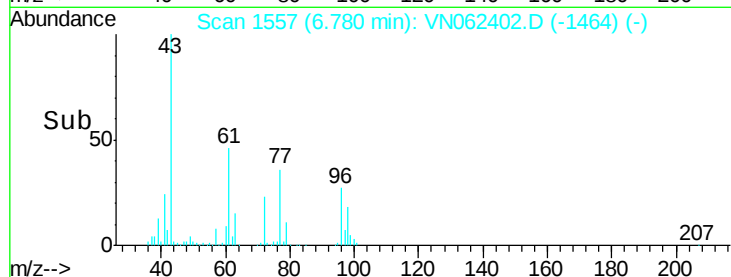
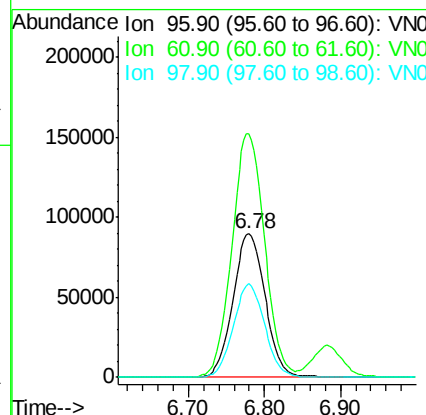
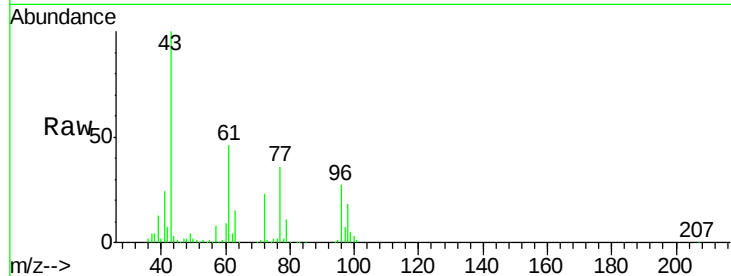
Acq: 8 Jul 2020 11:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100	264306		
61	171.6	0.0	343.4	
98	64.0	0.0	128.4	

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7/9/2020 10:54:54 AM



#28

Bromochloromethane

Concen: 89.583 ug/l

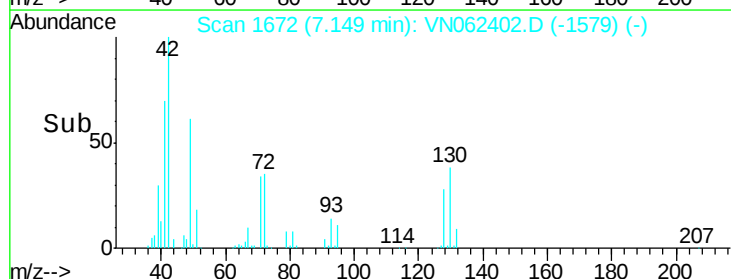
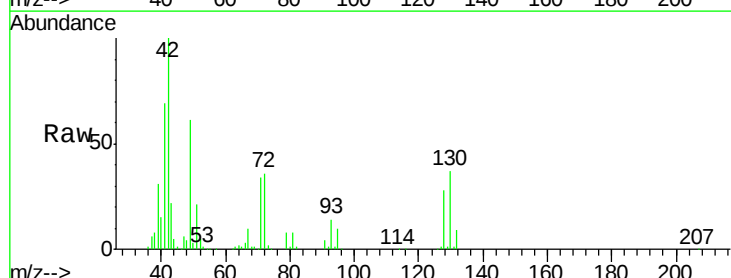
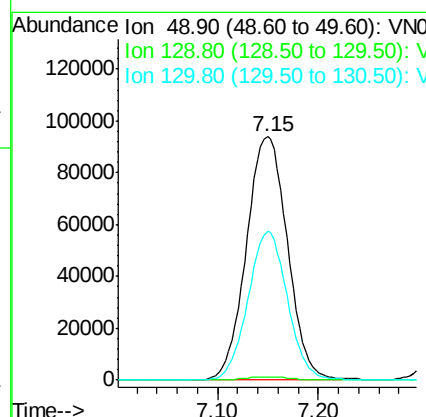
RT: 7.15 min Scan# 1672

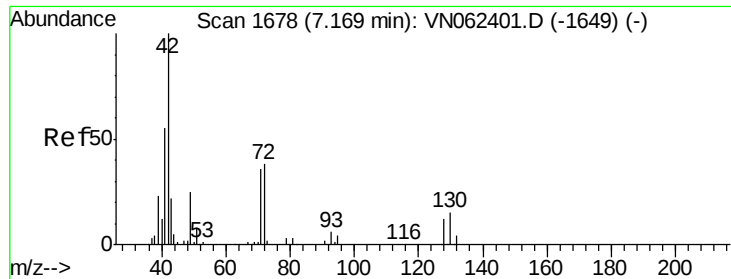
Delta R.T. 0.00 min

Lab File: VN062402.D

Acq: 8 Jul 2020 11:51

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	265323		
129	1.4	0.0	2.8	
130	58.7	46.5	69.7	





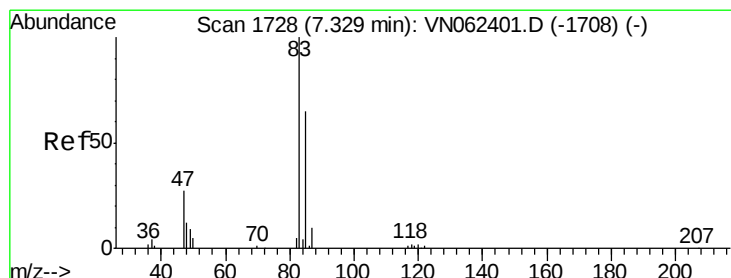
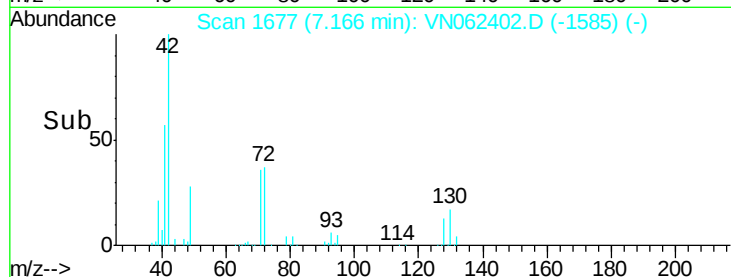
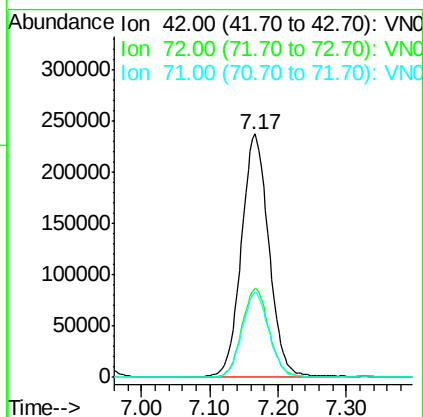
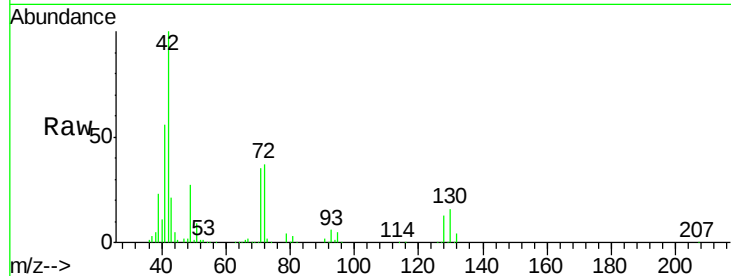
#29
Tetrahydrofuran
Concen: 465.563 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VN062402.D
Acq: 8 Jul 2020 11:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.3	29.1	43.7
71	34.4	28.1	42.1

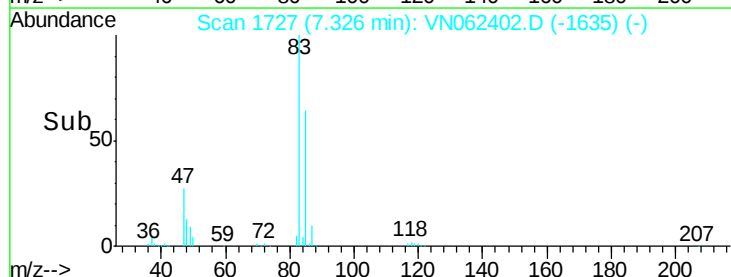
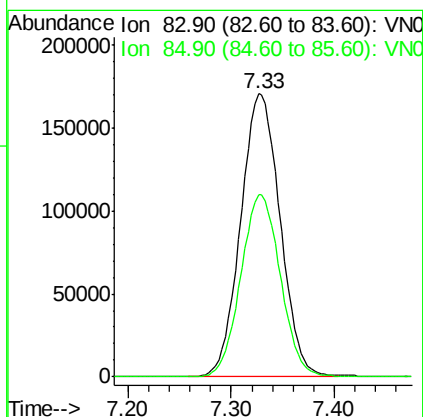
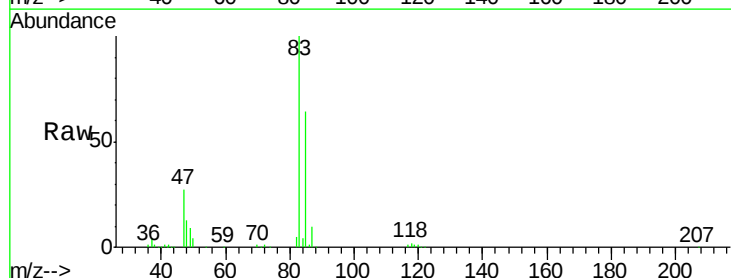
Manual Integrations
APPROVED

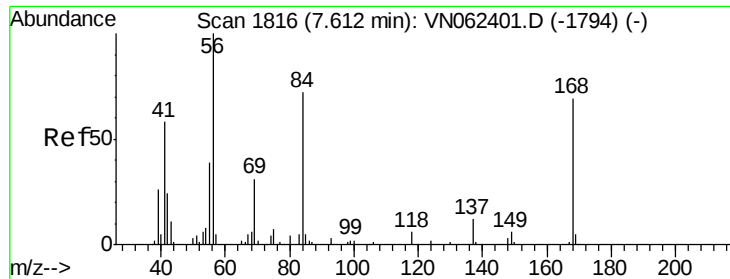
MMDadoda
7/9/2020 10:54:54 AM



#30
Chloroform
Concen: 87.069 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN062402.D
Acq: 8 Jul 2020 11:51

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.8	77.6





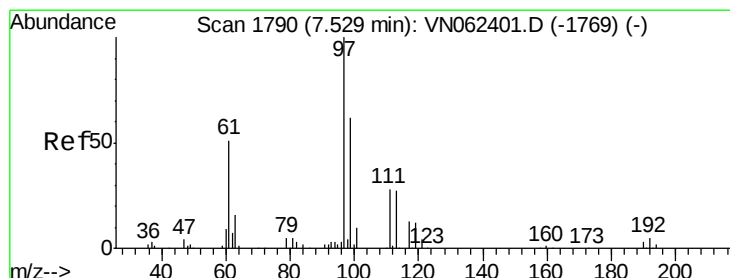
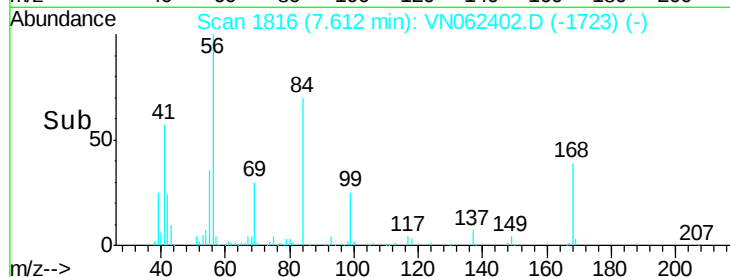
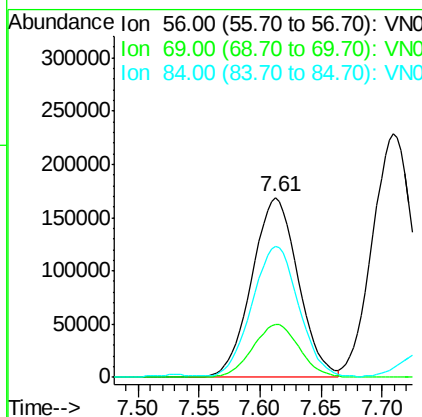
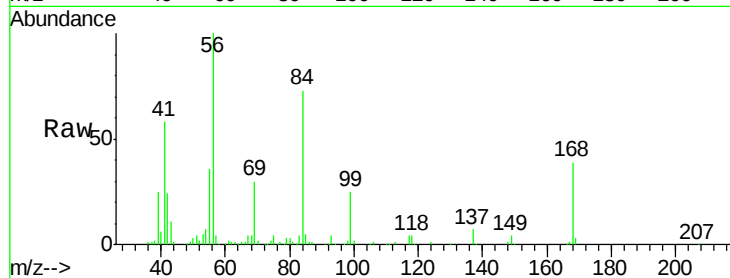
#31
Cvclohexane
Concen: 89.303 ug/l
RT: 7.61 min Scan# 1816
Delta R.T. 0.00 min
Lab File: VN062402.D
Acq: 8 Jul 2020 11:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.5	24.5	36.7
84	71.8	57.4	86.2

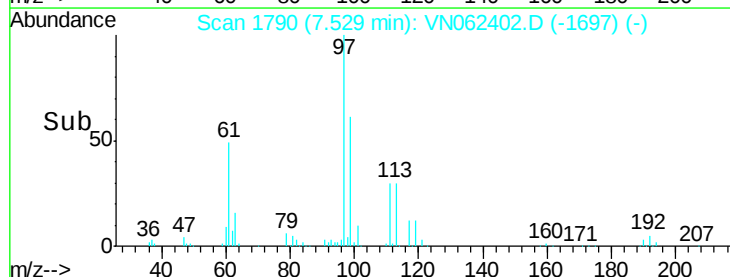
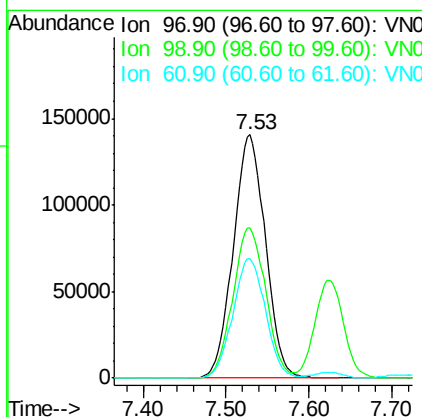
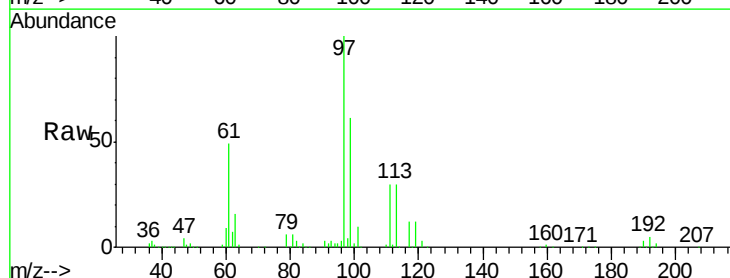
Manual Integrations
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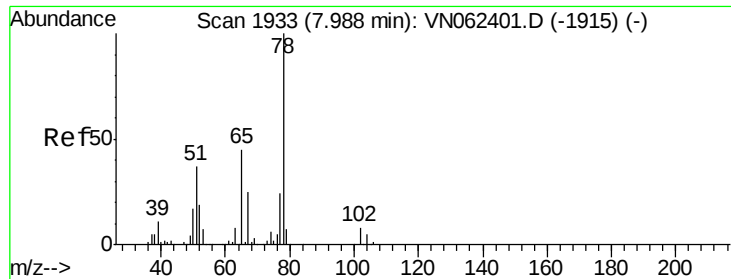
MMDadoda
7/9/2020 10:54:54 AM



#32
1,1,1-Trichloroethane
Concen: 87.086 ug/l
RT: 7.53 min Scan# 1790
Delta R.T. 0.00 min
Lab File: VN062402.D
Acq: 8 Jul 2020 11:51

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.0	50.4	75.6
61	49.6	39.9	59.9





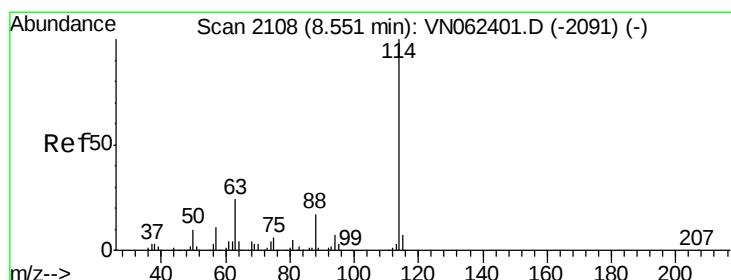
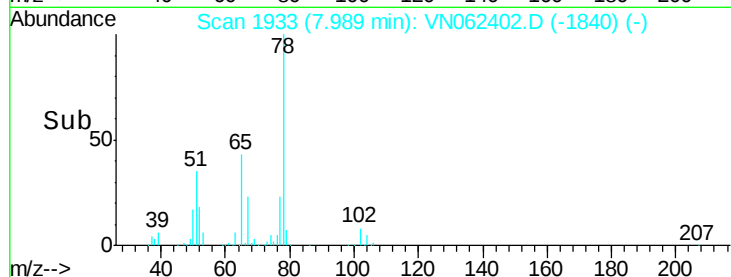
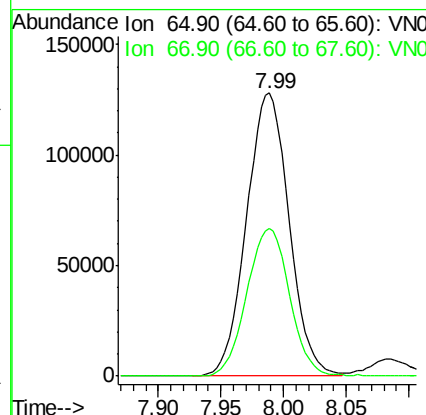
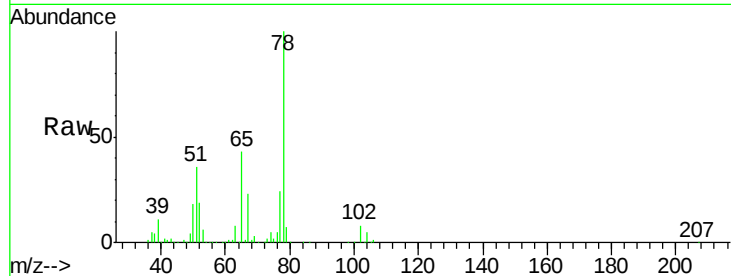
#33
 1,2-Dichloroethane-d4
 Concen: 79.866 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN062402.D
 Acq: 8 Jul 2020 11:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100	302375		
67	52.4	0.0	107.6	

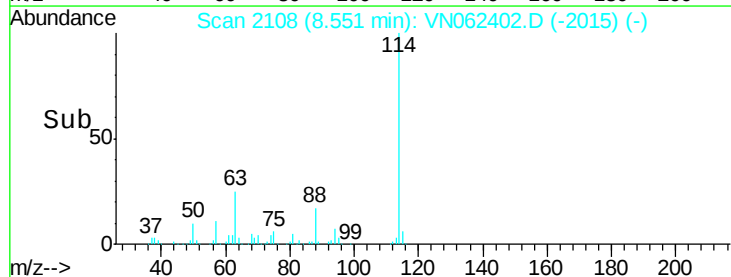
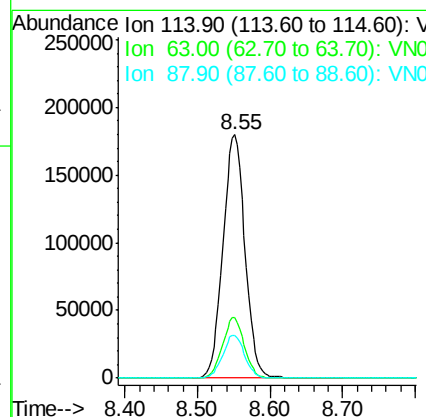
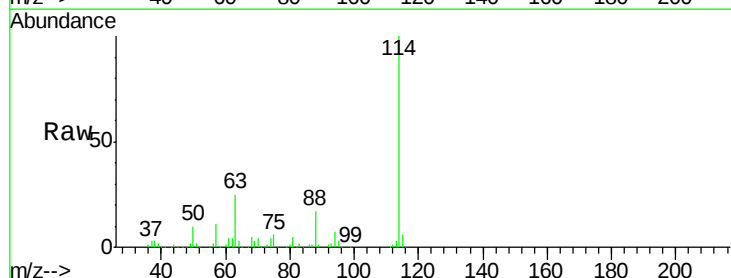
Manual Integrations
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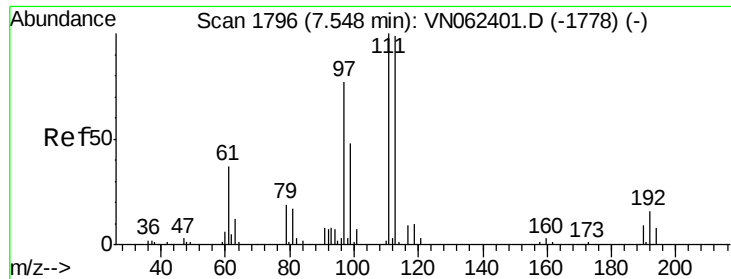
MMDadoda
 7/9/2020 10:54:54 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN062402.D
 Acq: 8 Jul 2020 11:51

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	377811		
63	24.9	0.0	48.4	
88	17.3	0.0	33.8	





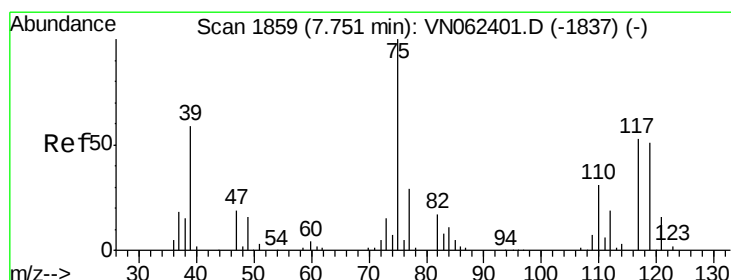
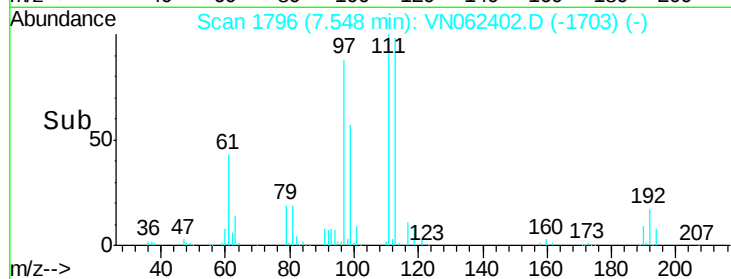
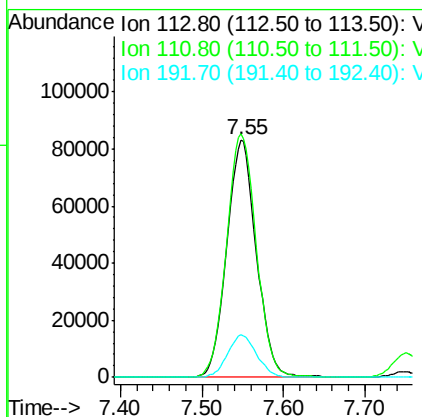
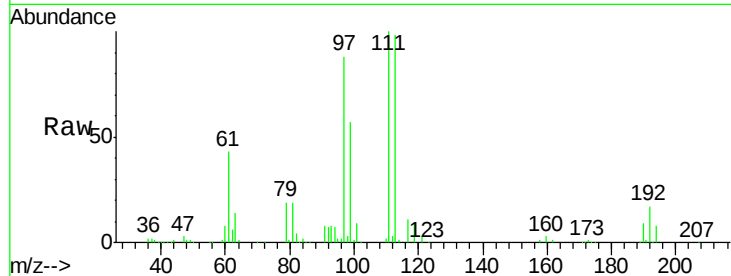
#35
 Dibromofluoromethane
 Concen: 83.534 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VN062402.D
 Acq: 8 Jul 2020 11:51

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100	211267		
111	103.8	83.1	124.7	
192	17.6	14.1	21.1	

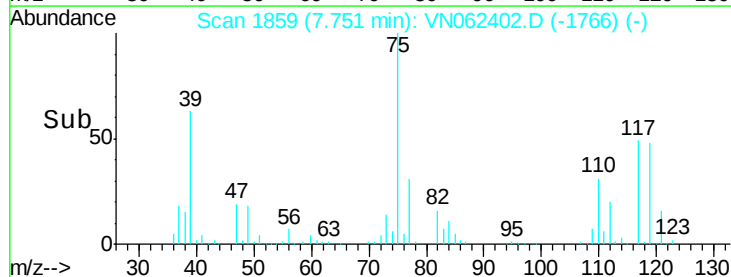
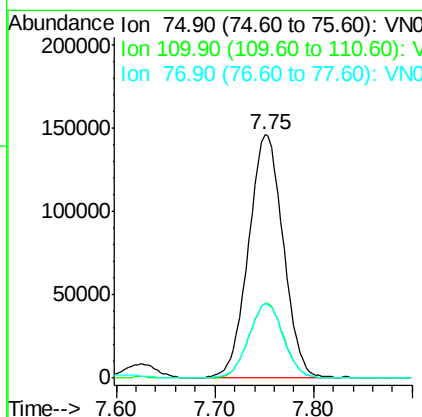
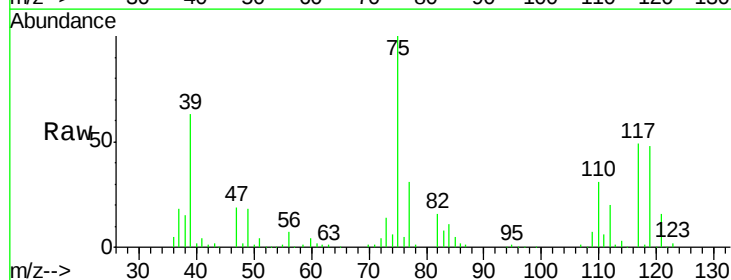
Manual Integrations
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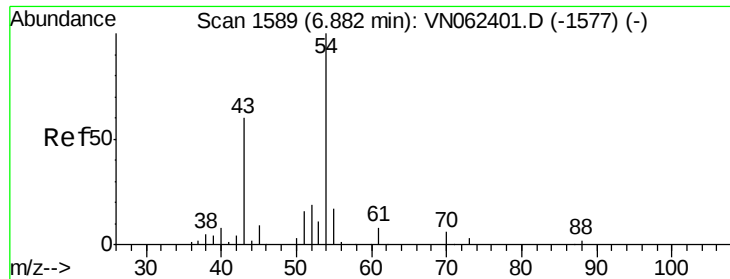
MMDadoda
 7/9/2020 10:54:54 AM



#36
 1,1-Dichloropropene
 Concen: 88.201 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VN062402.D
 Acq: 8 Jul 2020 11:51

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	352817		
110	31.0	15.4	46.2	
77	30.9	24.1	36.1	





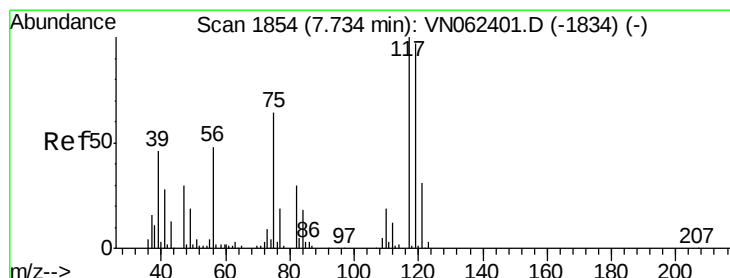
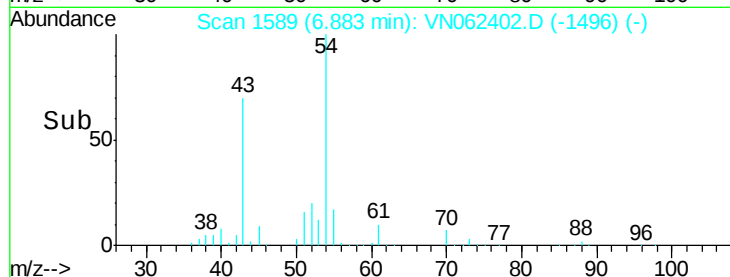
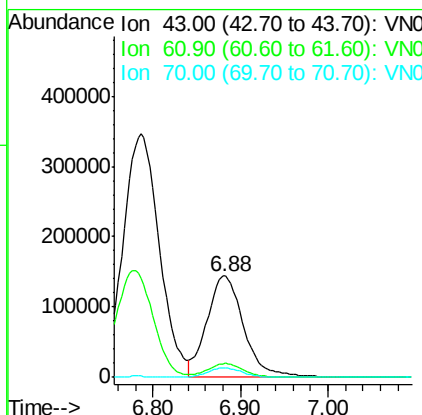
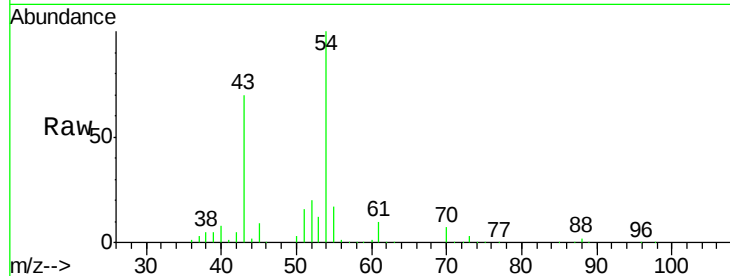
#37
Ethyl Acetate
Concen: 89.031 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. 0.00 min
Lab File: VN062402.D
Acq: 8 Jul 2020 11:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.7	16.1
70	8.7	7.2	10.8

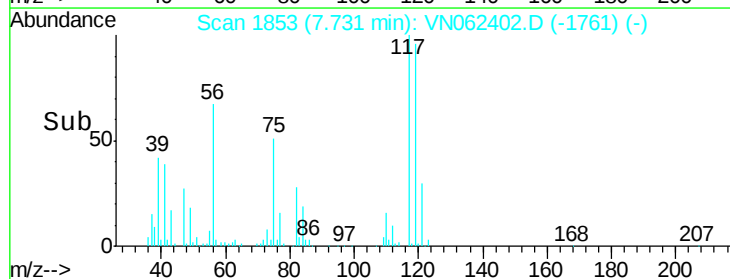
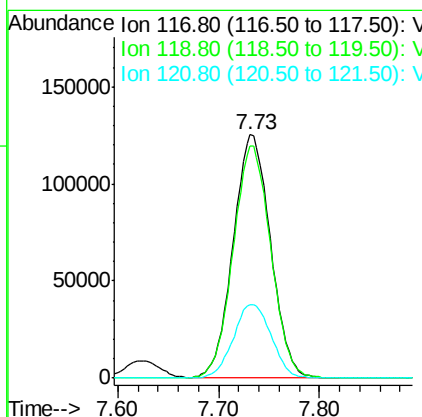
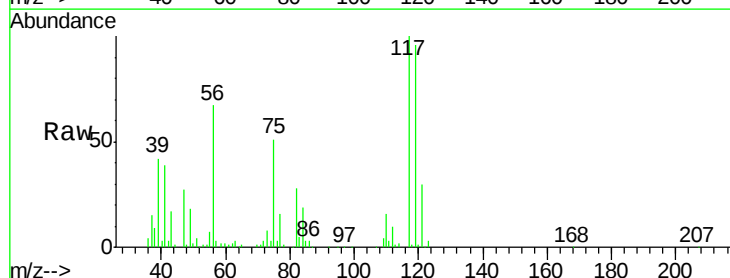
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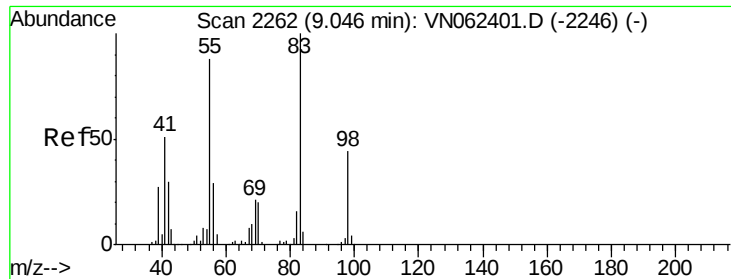
MMDadoda
7/9/2020 10:54:54 AM



#38
Carbon Tetrachloride
Concen: 81.205 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN062402.D
Acq: 8 Jul 2020 11:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.7	77.2	115.8
121	30.3	24.8	37.2





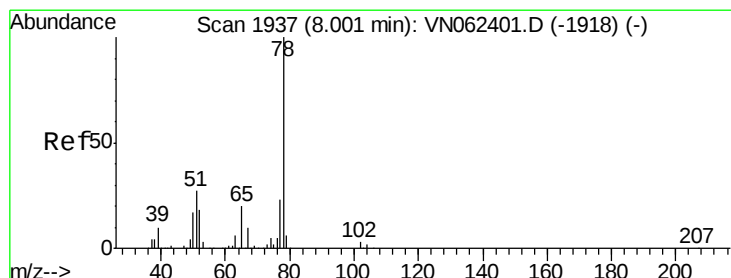
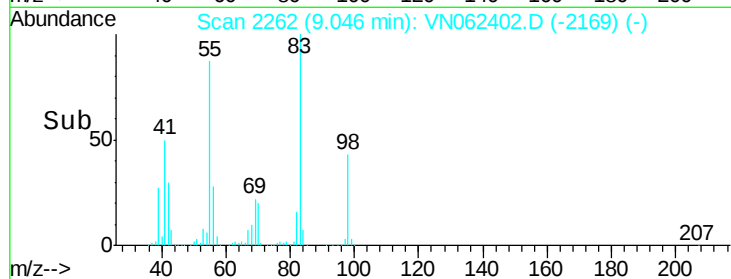
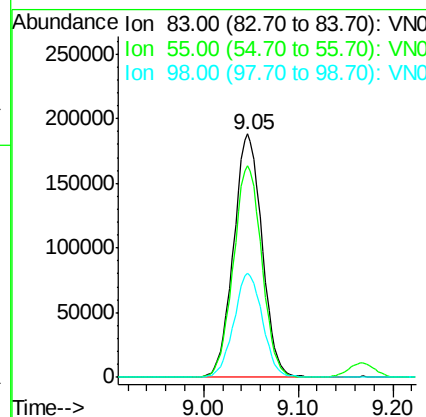
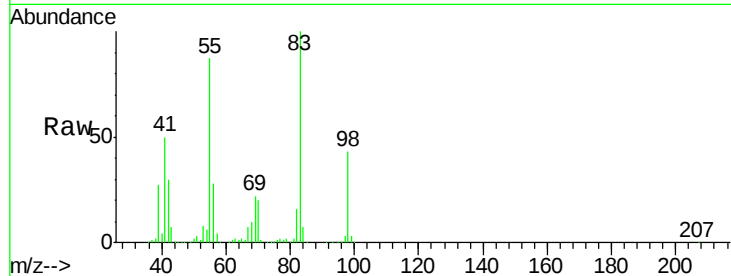
#39
Methvlcvclohexane
Concen: 91.345 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VN062402.D
Acq: 8 Jul 2020 11:51

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.8	70.5	105.7
98	42.9	35.5	53.3

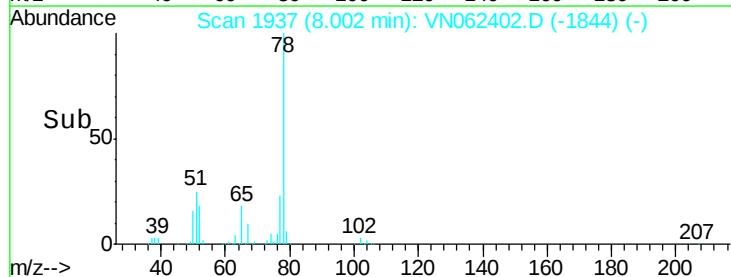
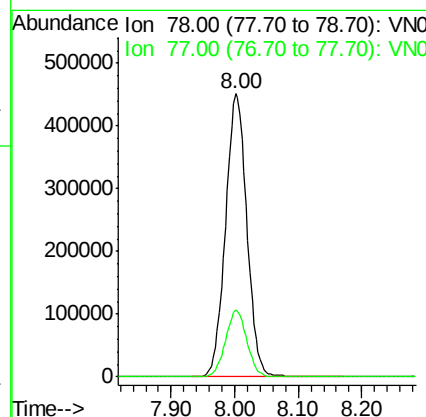
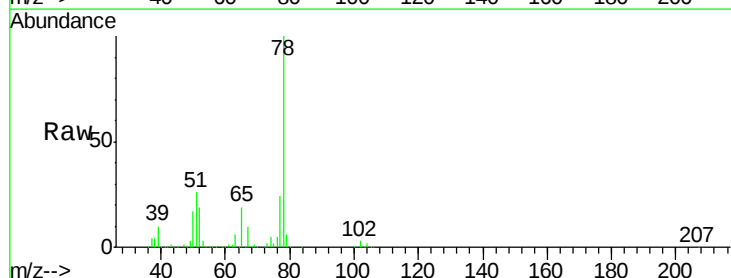
Manual Integrations
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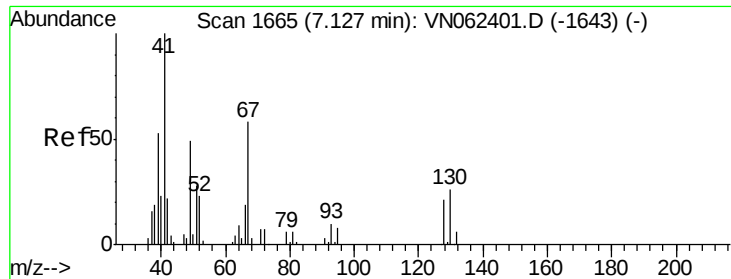
MMDadoda
7/9/2020 10:54:54 AM



#40
Benzene
Concen: 92.207 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VN062402.D
Acq: 8 Jul 2020 11:51

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.7	28.1





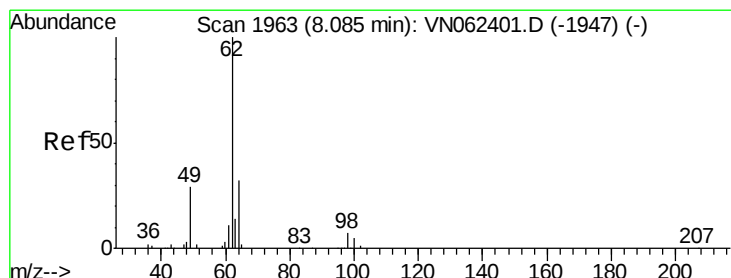
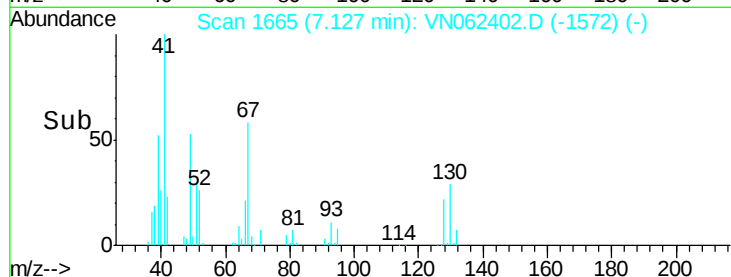
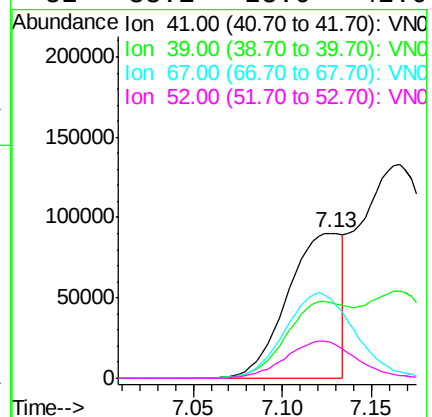
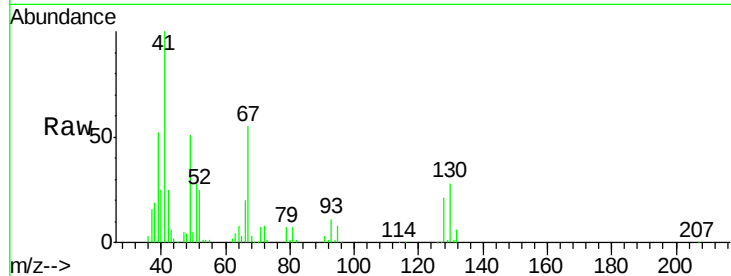
#41
Methacrylonitrile
Concen: 82.311 ug/l
RT: 7.13 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VN062402.D
Acq: 8 Jul 2020 11:51

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
41	100		
39	62.1	50.2	75.2
67	75.8	64.2	96.2
52	33.1	28.0	42.0

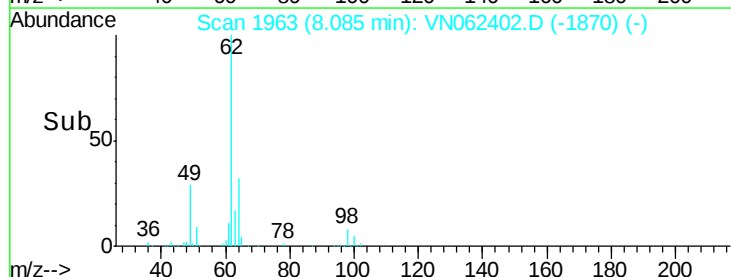
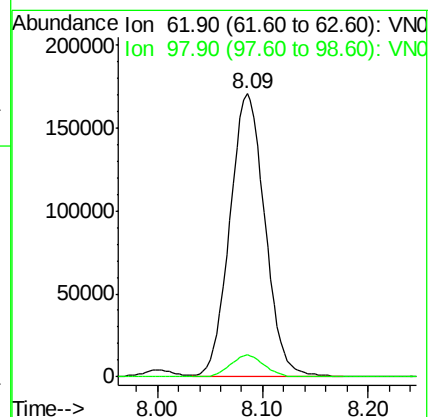
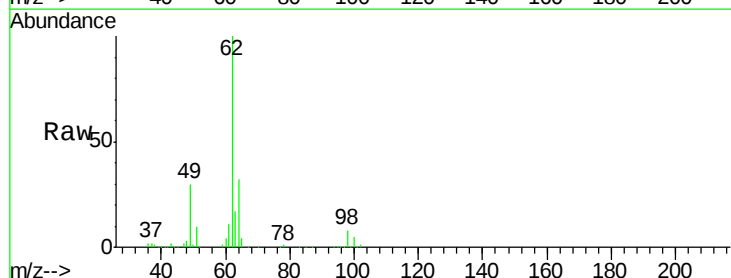
Manual Integrations
APPROVED

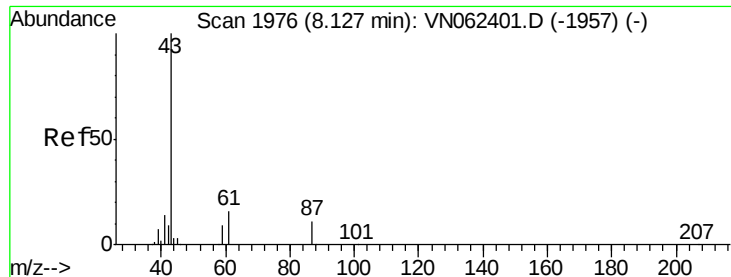
MMDadoda
7/9/2020 10:54:54 AM



#42
1,2-Dichloroethane
Concen: 79.972 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VN062402.D
Acq: 8 Jul 2020 11:51

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.6	0.0	15.8





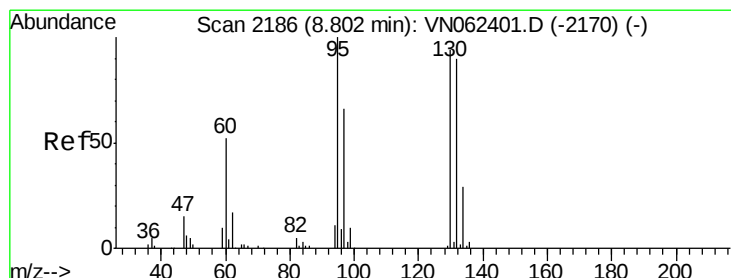
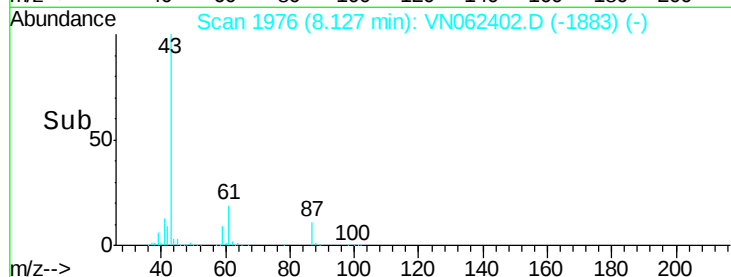
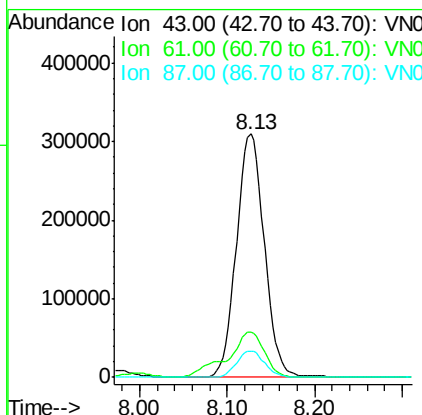
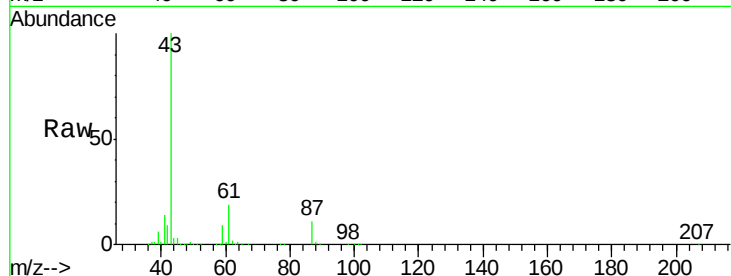
#43
Isopropyl Acetate
Concen: 87.915 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN062402.D
Acq: 8 Jul 2020 11:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	24.9	19.3	28.9
87	10.9	8.6	13.0

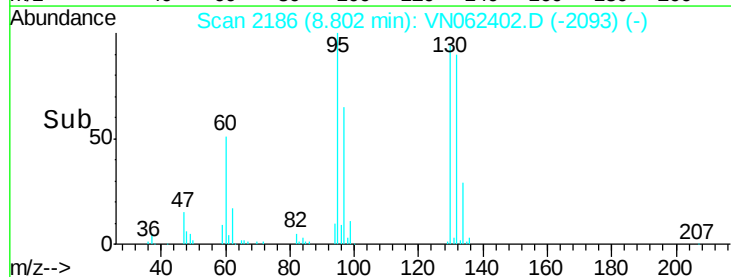
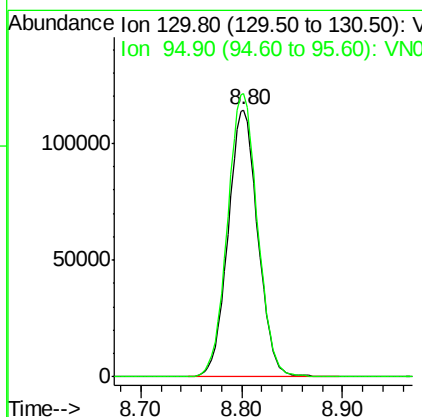
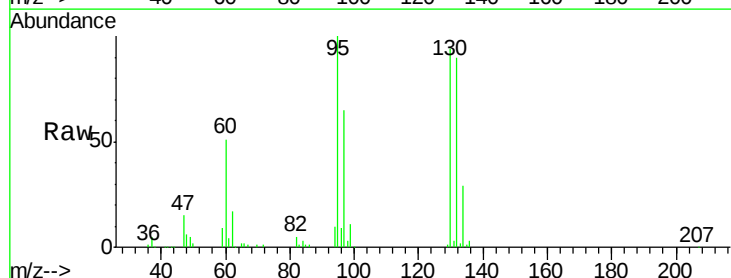
Manual Integrations
APPROVED

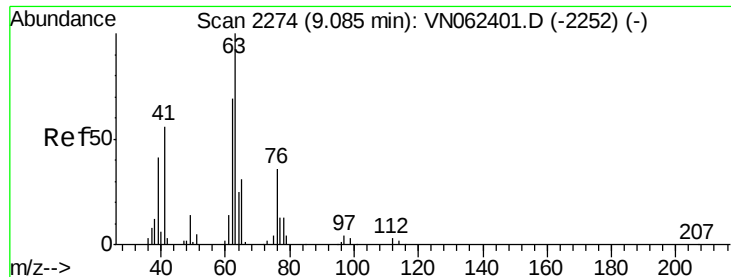
MMDadoda
7/9/2020 10:54:54 AM



#44
Trichloroethene
Concen: 86.830 ug/l
RT: 8.80 min Scan# 2186
Delta R.T. 0.00 min
Lab File: VN062402.D
Acq: 8 Jul 2020 11:51

Tgt Ion	Ratio	Lower	Upper
130	100		
95	105.9	0.0	213.8





#45

1,2-Dichloropropane

Concen: 91.226 ug/l

RT: 9.09 min Scan# 2274

Delta R.T. 0.00 min

Lab File: VN062402.D

Acq: 8 Jul 2020 11:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 304427

Ion Ratio Lower Upper

63 100

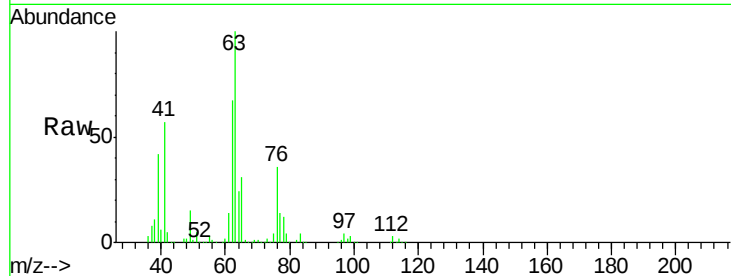
65 31.1 24.6 36.8

Manual Integrations

APPROVED

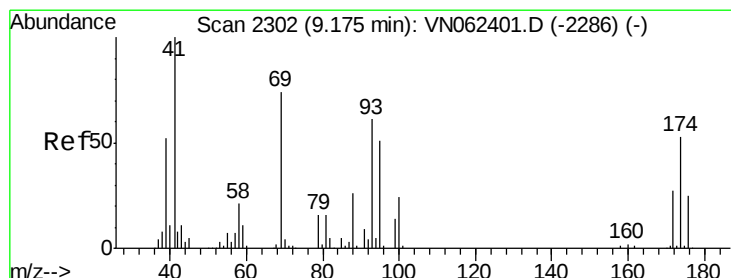
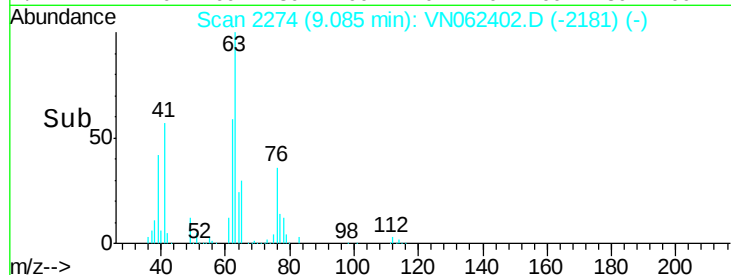
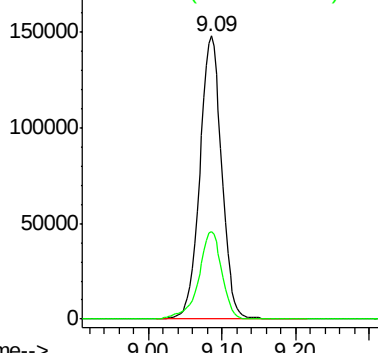
MMDadoda

7/9/2020 10:54:54 AM



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 84.280 ug/l

RT: 9.18 min Scan# 2302

Delta R.T. 0.00 min

Lab File: VN062402.D

Acq: 8 Jul 2020 11:51

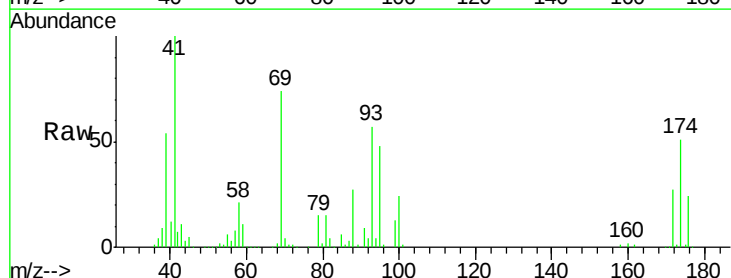
Tgt Ion: 93 Resp: 171662

Ion Ratio Lower Upper

93 100

95 82.8 67.1 100.7

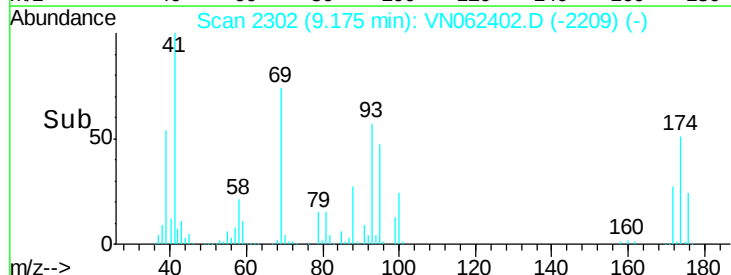
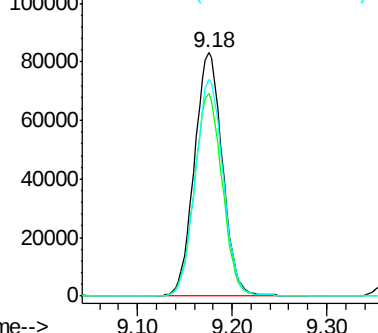
174 88.5 70.4 105.6

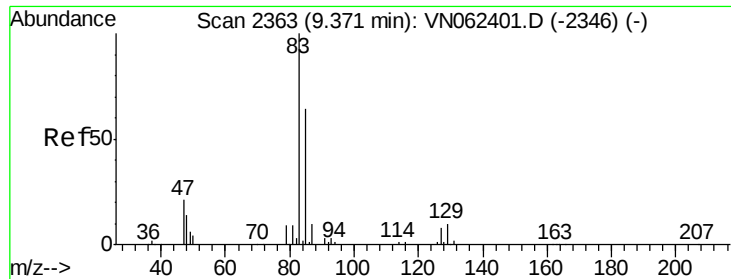


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





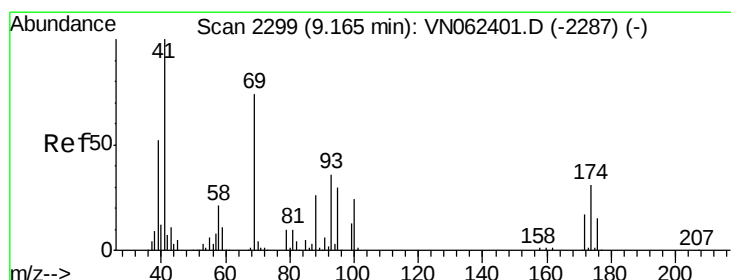
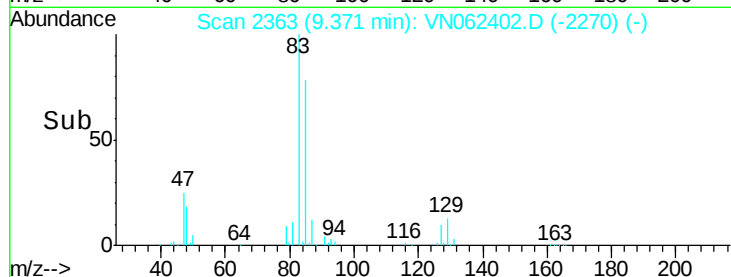
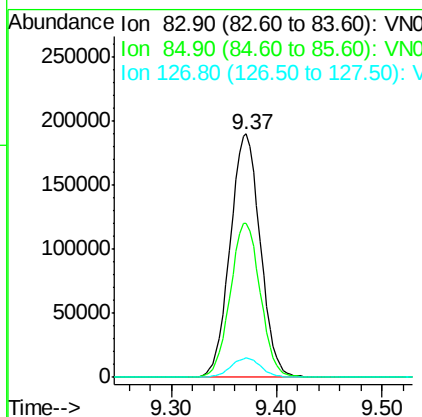
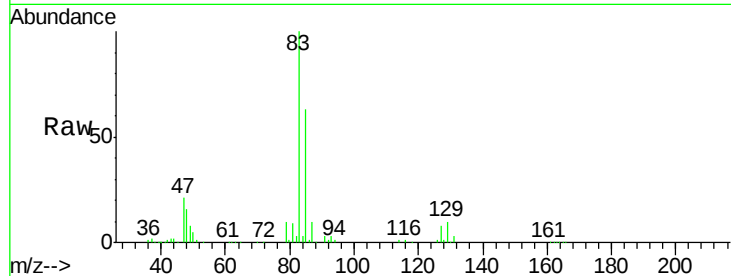
#47
Bromodichloromethane
Concen: 86.331 ug/l
RT: 9.37 min Scan# 2363
Delta R.T. 0.00 min
Lab File: VN062402.D
Acq: 8 Jul 2020 11:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
83	100	375098		
85	63.5	51.2	76.8	
127	7.8	6.2	9.2	

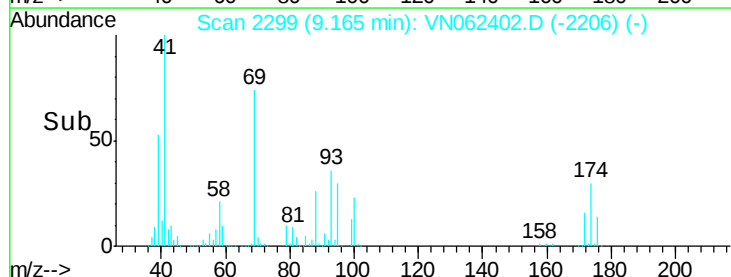
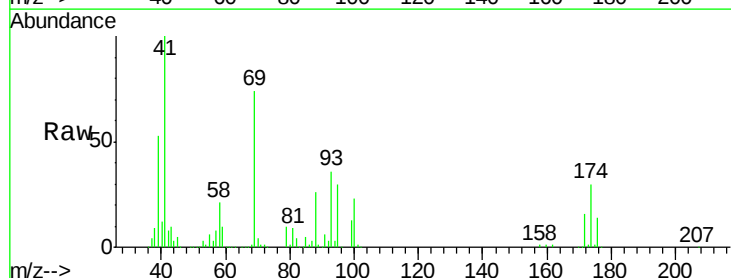
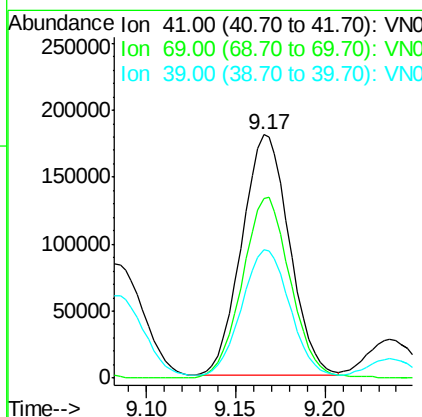
Manual Integrations
APPROVED

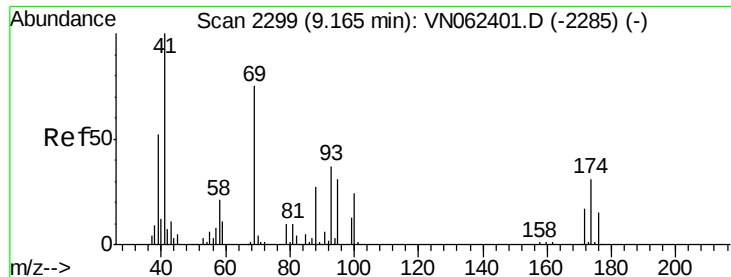
MMDadoda
7/9/2020 10:54:54 AM



#48
Methyl methacrylate
Concen: 85.123 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. 0.00 min
Lab File: VN062402.D
Acq: 8 Jul 2020 11:51

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	336450		
69	76.3	60.8	91.2	
39	54.3	43.5	65.3	





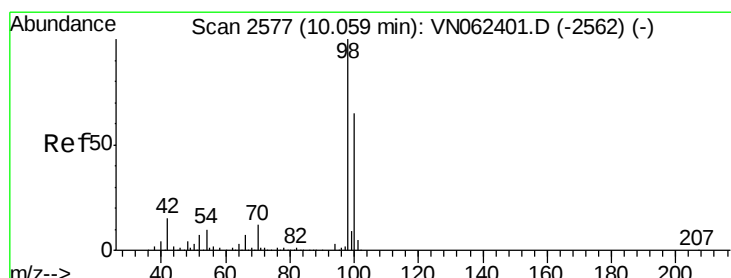
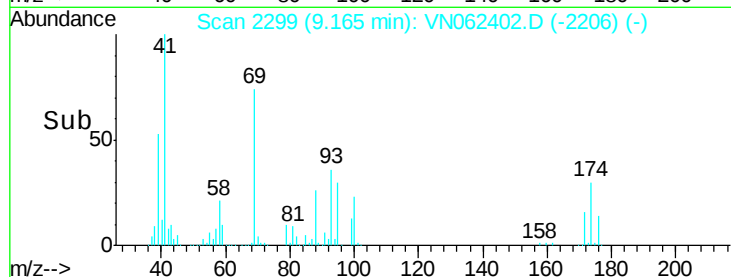
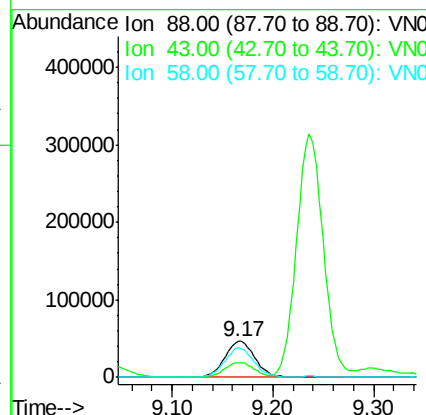
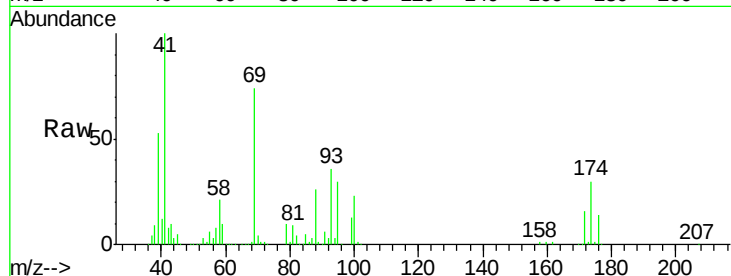
#49
1,4-Dioxane
Concen: 1789.397 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. 0.00 min
Lab File: VN062402.D
Acq: 8 Jul 2020 11:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.4	31.0	46.4
58	79.8	63.3	94.9

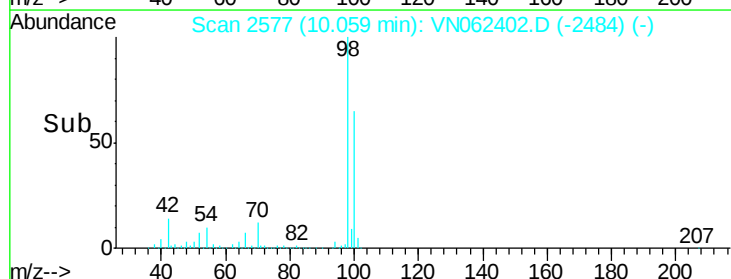
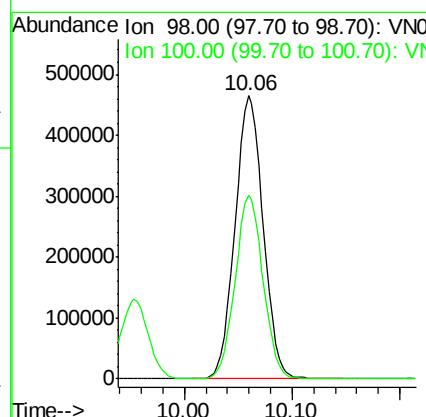
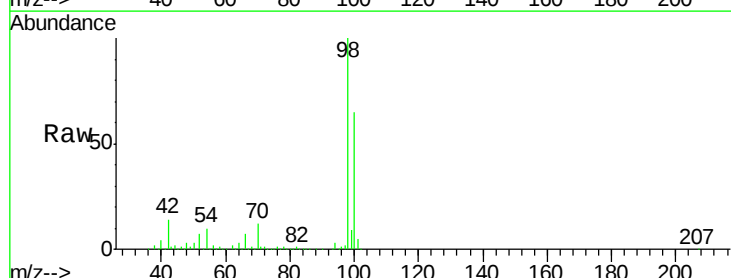
Manual Integrations
APPROVED

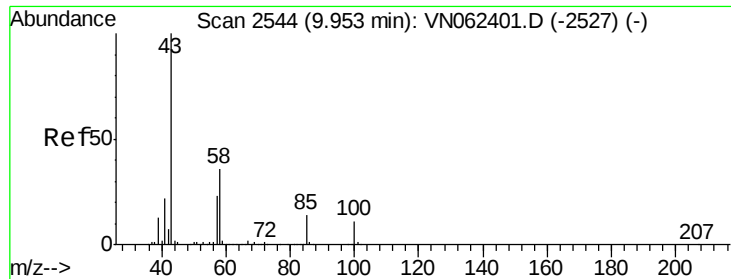
MMDadoda
7/9/2020 10:54:54 AM



#50
Toluene-d8
Concen: 89.079 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN062402.D
Acq: 8 Jul 2020 11:51

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.5	77.3





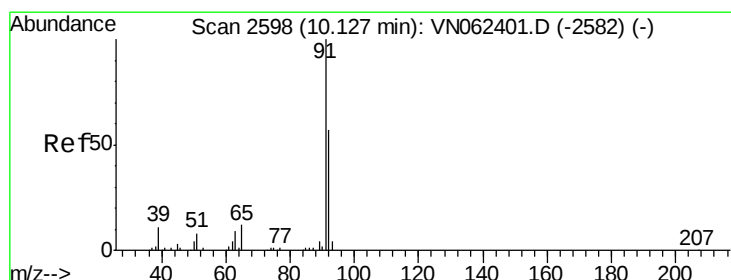
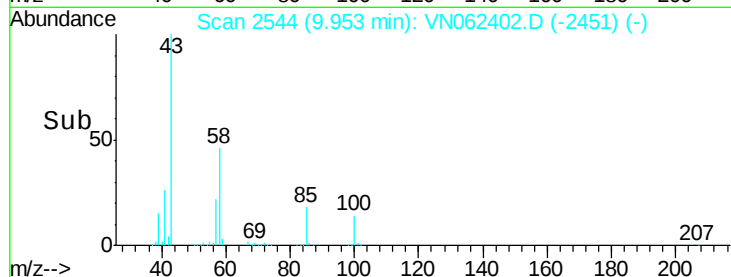
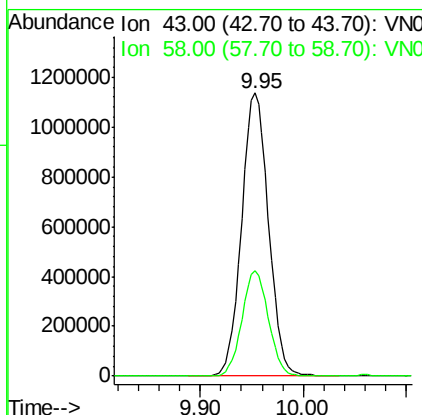
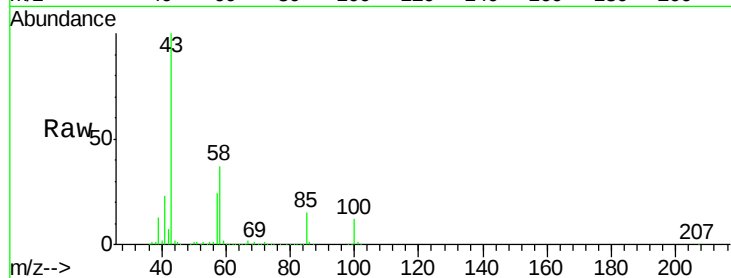
#51
 4-Methyl-2-Pentanone
 Concen: 490.954 ug/l
 RT: 9.95 min Scan# 2544
 Delta R.T. 0.00 min
 Lab File: VN062402.D
 Acq: 8 Jul 2020 11:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 43 Resp: 2059036
 Ion Ratio Lower Upper
 43 100
 58 36.7 29.0 43.6

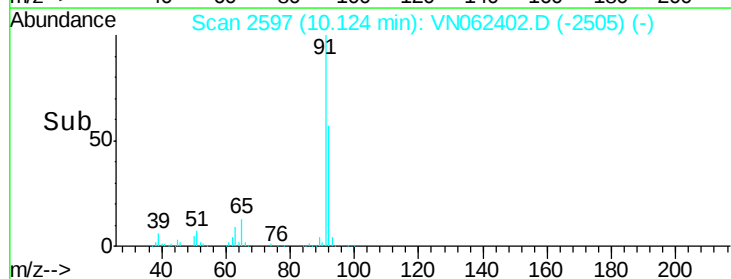
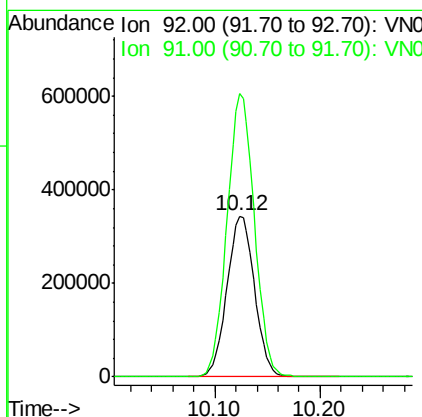
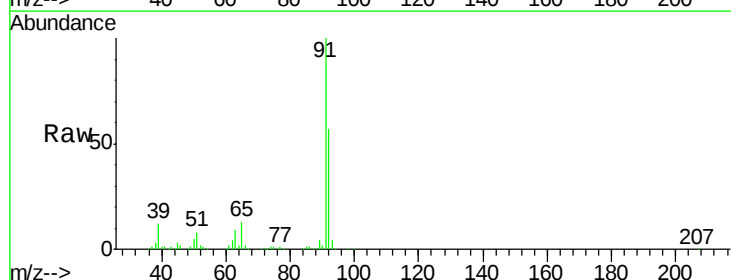
Manual Integrations
 APPROVED

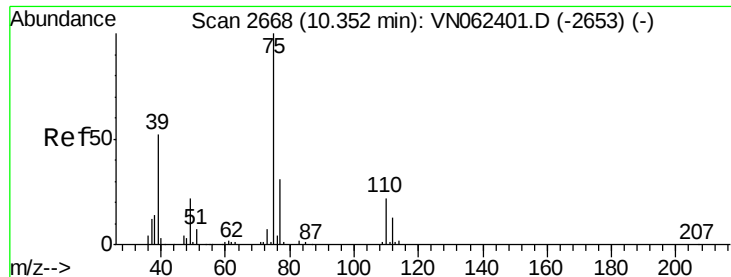
MMDadoda
 7/9/2020 10:54:54 AM



#52
 Toluene
 Concen: 92.053 ug/l
 RT: 10.12 min Scan# 2597
 Delta R.T. -0.00 min
 Lab File: VN062402.D
 Acq: 8 Jul 2020 11:51

Tgt Ion: 92 Resp: 620816
 Ion Ratio Lower Upper
 92 100
 91 175.3 141.0 211.6





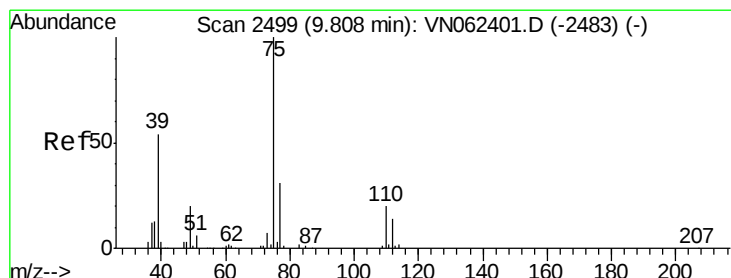
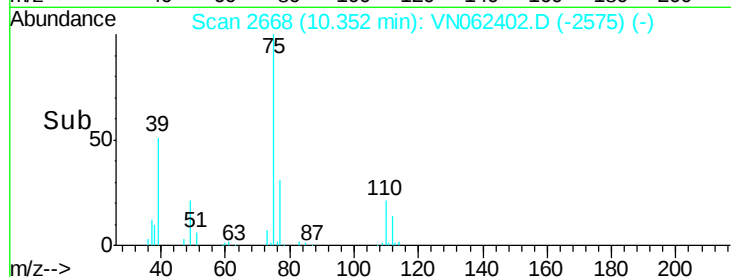
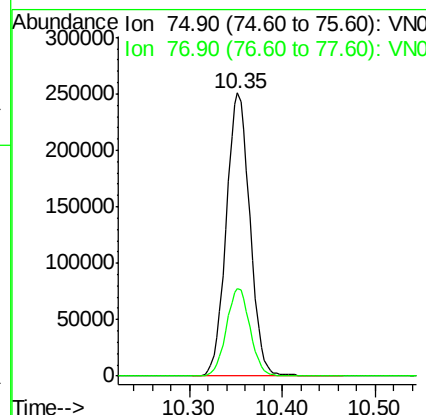
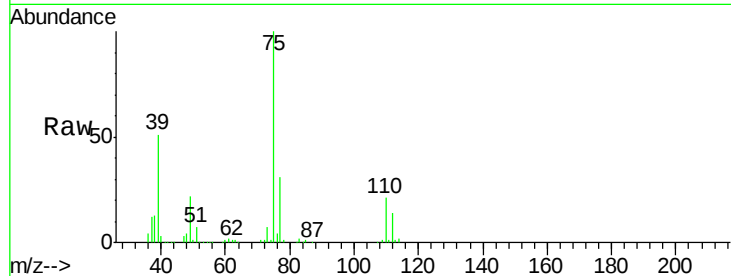
#53
 t-1,3-Dichloropropene
 Concen: 94.522 ug/l
 RT: 10.35 min Scan# 2668
 Delta R.T. 0.00 min
 Lab File: VN062402.D
 Acq: 8 Jul 2020 11:51

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion: 75 Resp: 442181
 Ion Ratio Lower Upper
 75 100
 77 30.9 25.2 37.8

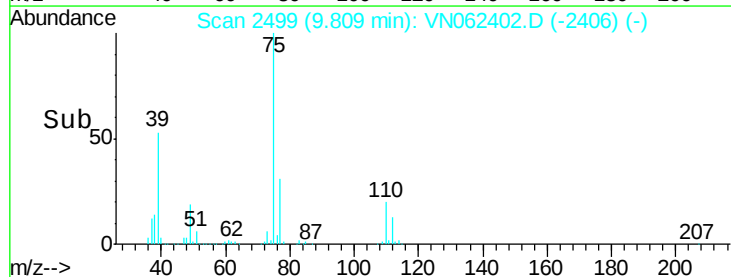
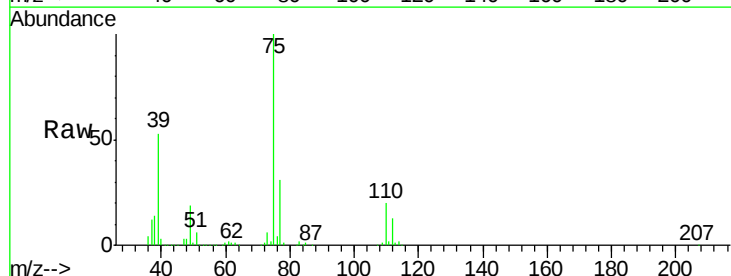
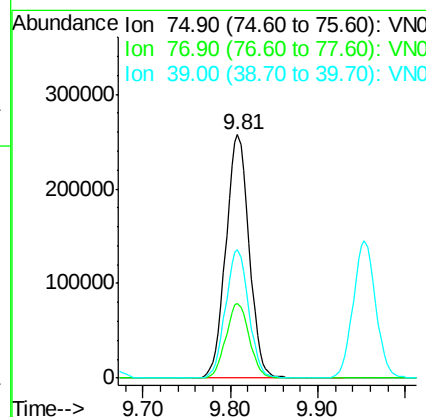
Manual Integrations
 APPROVED

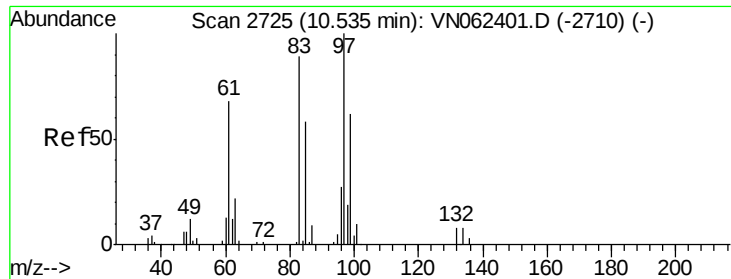
MMDadoda
 7/9/2020 10:54:54 AM



#54
 cis-1,3-Dichloropropene
 Concen: 94.329 ug/l
 RT: 9.81 min Scan# 2499
 Delta R.T. 0.00 min
 Lab File: VN062402.D
 Acq: 8 Jul 2020 11:51

Tgt Ion: 75 Resp: 474954
 Ion Ratio Lower Upper
 75 100
 77 30.5 24.5 36.7
 39 52.6 43.4 65.0





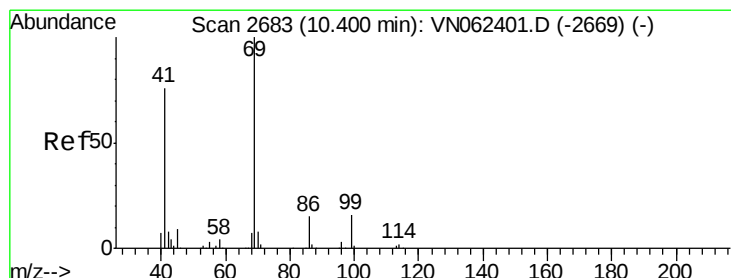
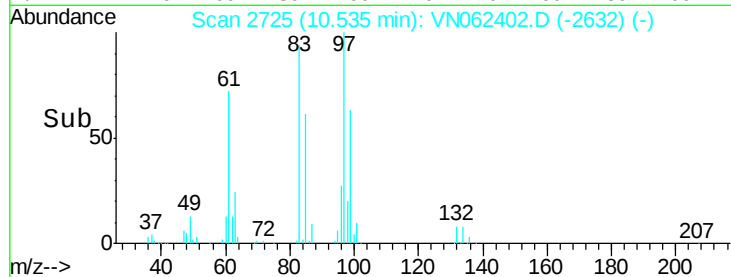
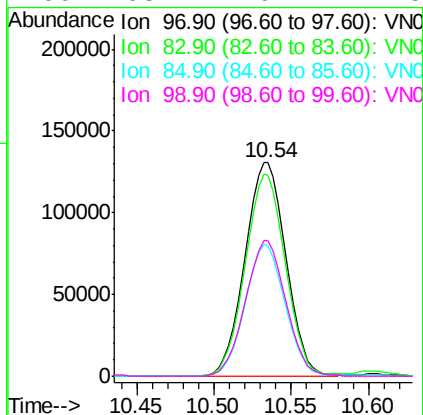
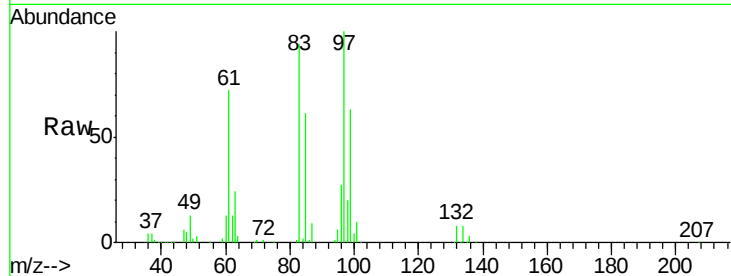
#55
 1,1,2-Trichloroethane
 Concen: 88.685 ug/l
 RT: 10.54 min Scan# 2725
 Delta R.T. 0.00 min
 Lab File: VN062402.D
 Acq: 8 Jul 2020 11:51

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
97	100		
83	94.0	71.0	106.4
85	60.9	46.2	69.4
99	63.4	49.7	74.5

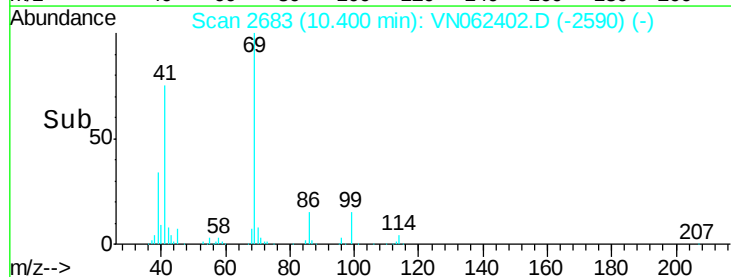
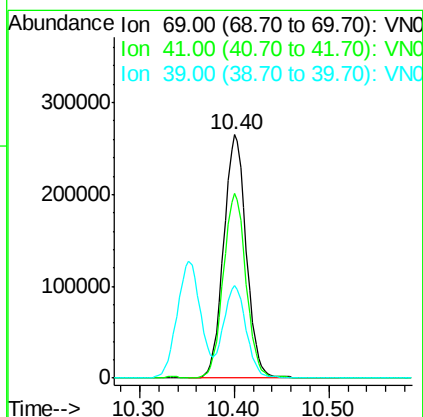
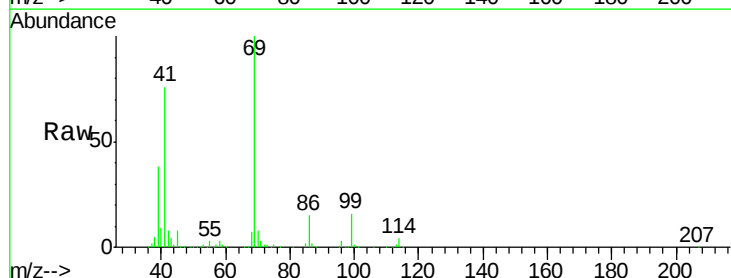
Manual Integrations
 APPROVED

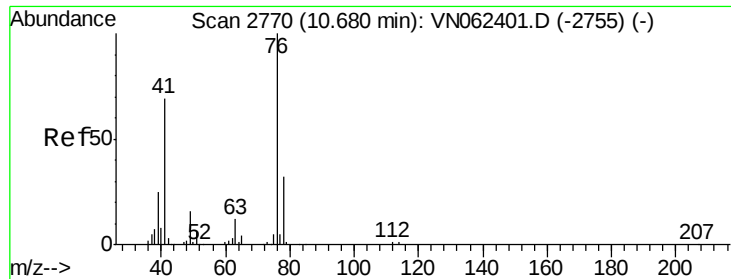
MMDadoda
 7/9/2020 10:54:54 AM



#56
 Ethyl methacrylate
 Concen: 100.464 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. 0.00 min
 Lab File: VN062402.D
 Acq: 8 Jul 2020 11:51

Tgt Ion	Ratio	Lower	Upper
69	100		
41	75.6	59.7	89.5
39	37.8	30.6	45.8





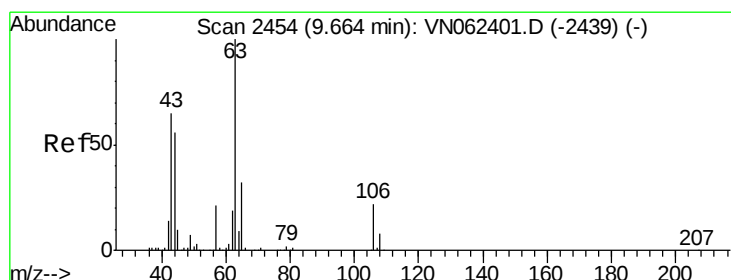
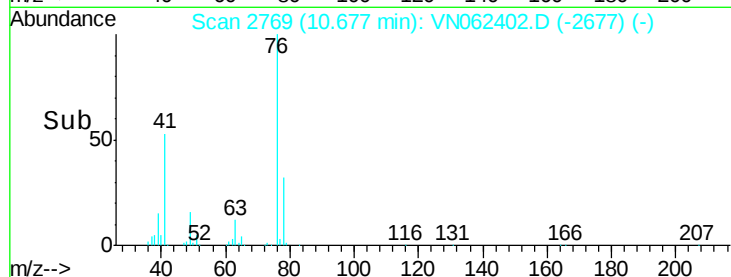
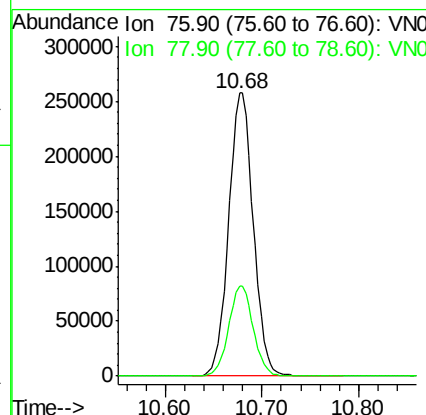
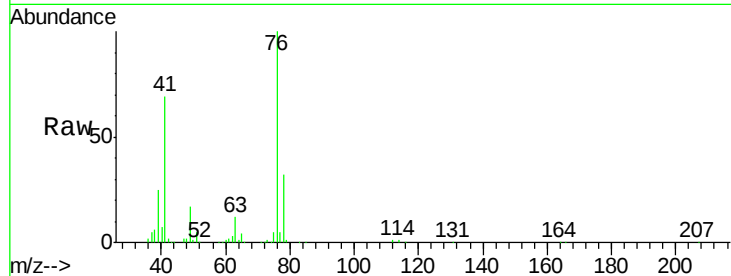
#57
 1,3-Dichloropropane
 Concen: 90.283 ug/l
 RT: 10.68 min Scan# 2769
 Delta R.T. -0.00 min
 Lab File: VN062402.D
 Acq: 8 Jul 2020 11:51

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICC100

Tot Ion: 76 Resp: 454099
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.6 38.4

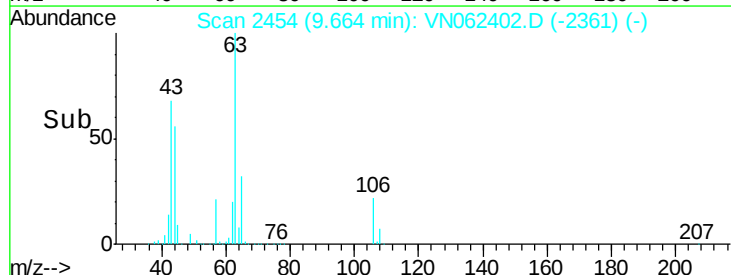
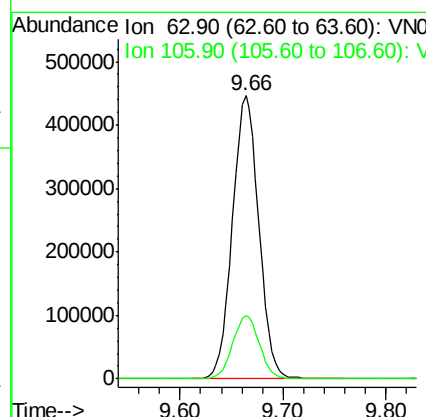
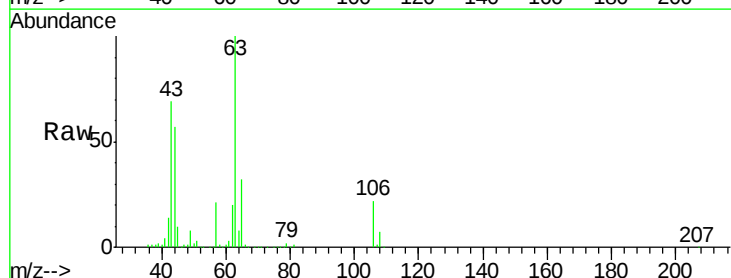
Manual Integrations
 APPROVED

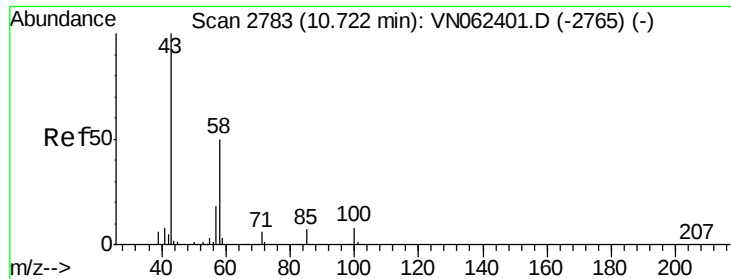
MMDadoda
 7/9/2020 10:54:54 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 512.379 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. 0.00 min
 Lab File: VN062402.D
 Acq: 8 Jul 2020 11:51

Tgt Ion: 63 Resp: 795711
 Ion Ratio Lower Upper
 63 100
 106 22.7 17.6 26.4





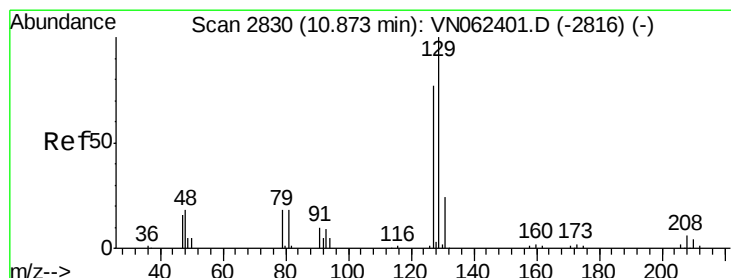
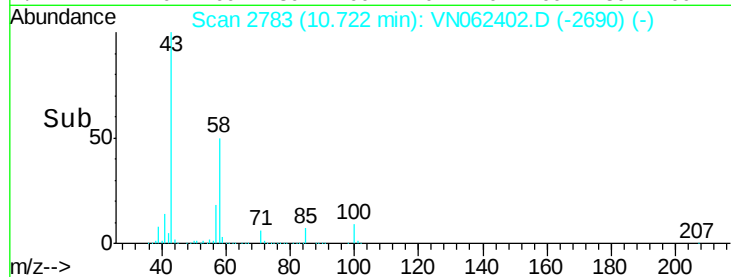
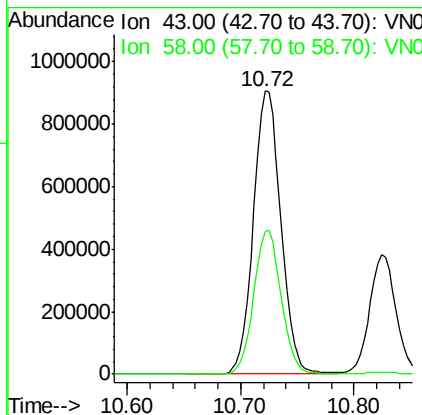
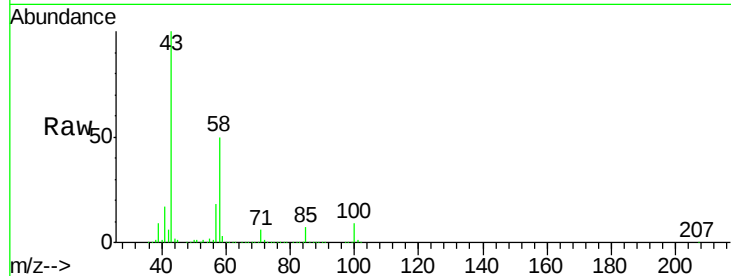
#59
2-Hexanone
Concen: 485.638 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. 0.00 min
Lab File: VN062402.D
Acq: 8 Jul 2020 11:51

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion: 43 Resp: 1529341
Ion Ratio Lower Upper
43 100
58 50.7 25.1 75.2

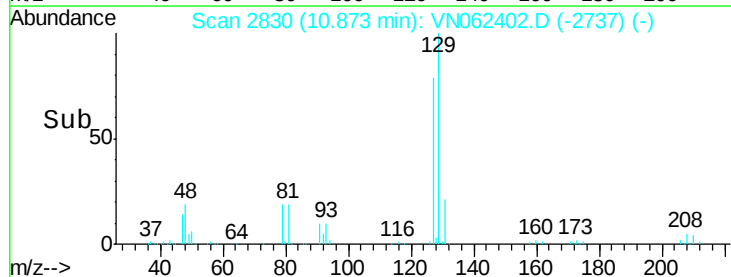
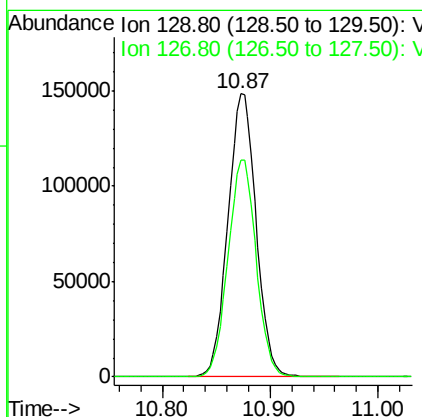
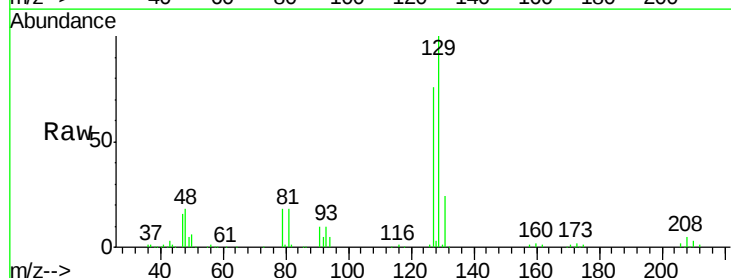
Manual Integrations
APPROVED

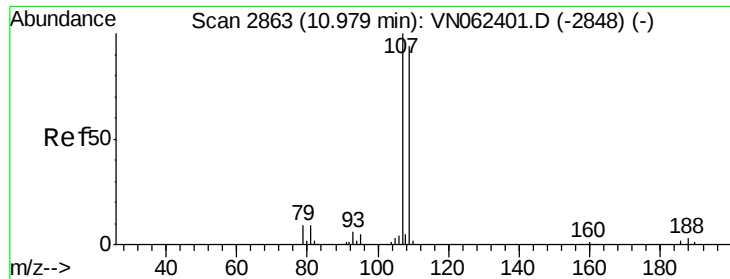
MMDadoda
7/9/2020 10:54:54 AM



#60
Dibromochloromethane
Concen: 88.480 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. 0.00 min
Lab File: VN062402.D
Acq: 8 Jul 2020 11:51

Tgt Ion: 129 Resp: 270977
Ion Ratio Lower Upper
129 100
127 76.6 38.6 115.8





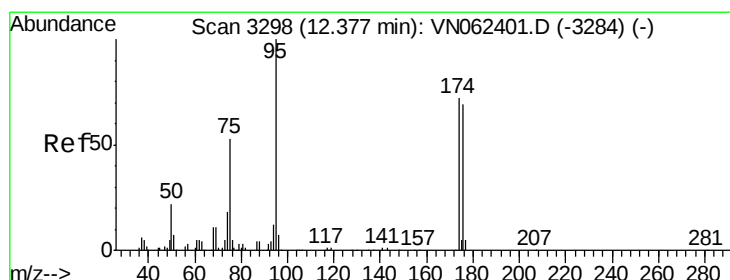
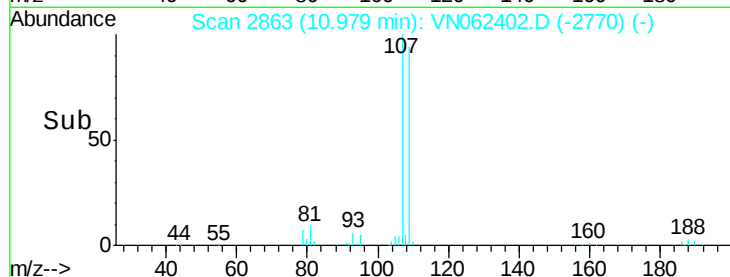
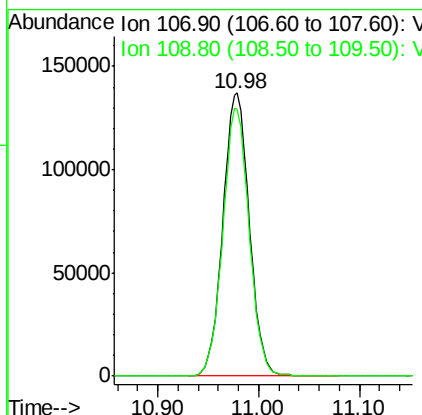
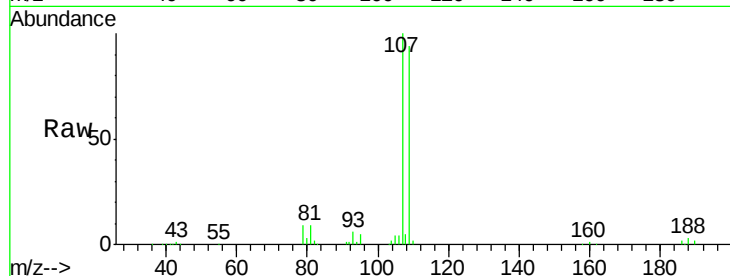
#61
 1,2-Dibromoethane
 Concen: 90.480 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VN062402.D
 Acq: 8 Jul 2020 11:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.2	75.6	113.4

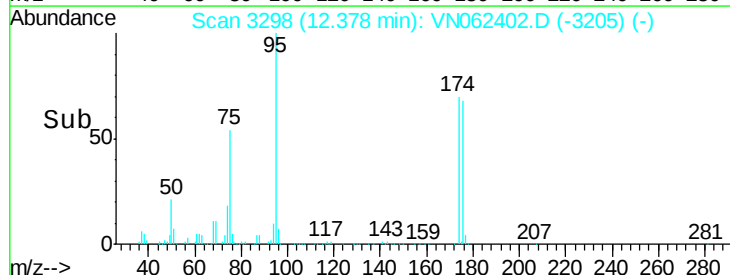
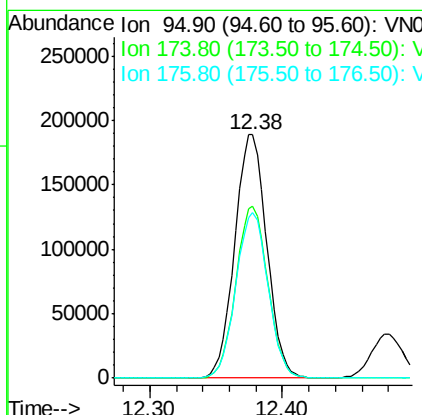
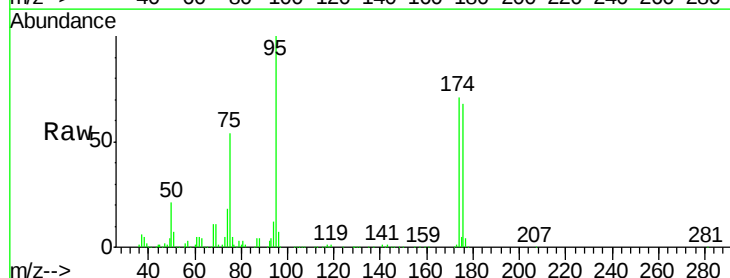
Manual Integrations
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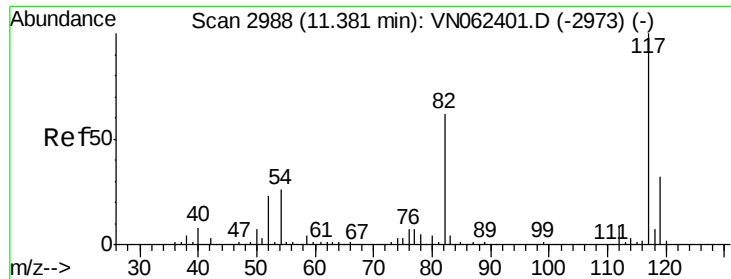
MMDadoda
 7/9/2020 10:54:54 AM



#62
 4-Bromofluorobenzene
 Concen: 87.906 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VN062402.D
 Acq: 8 Jul 2020 11:51

Tgt Ion	Ratio	Lower	Upper
95	100		
174	70.4	0.0	141.6
176	68.1	0.0	137.2





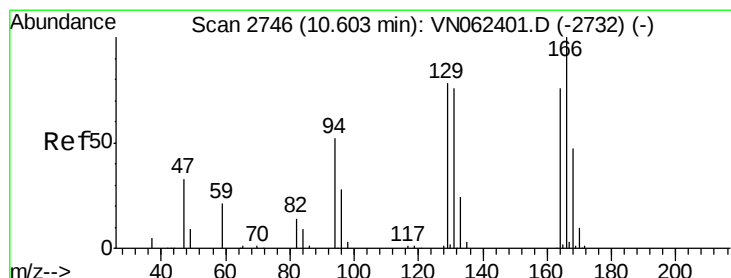
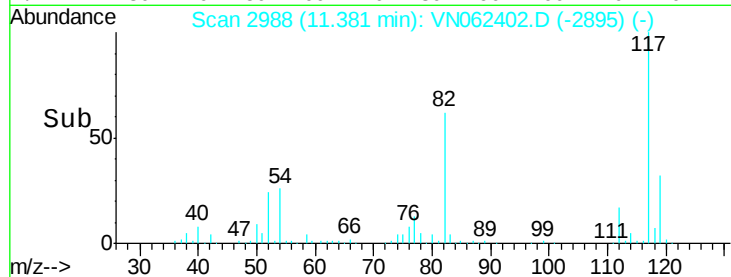
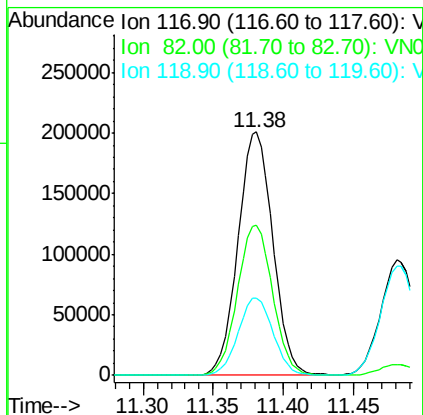
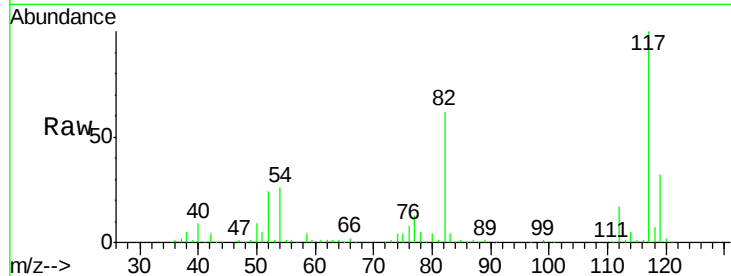
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062402.D
Acq: 8 Jul 2020 11:51

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.9	49.6	74.4
119	31.9	25.4	38.0

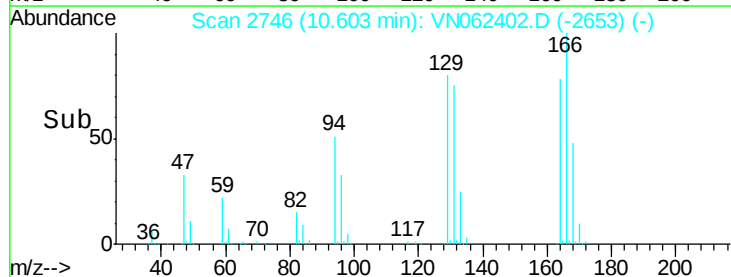
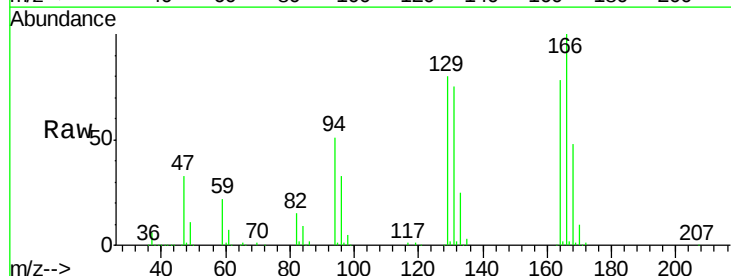
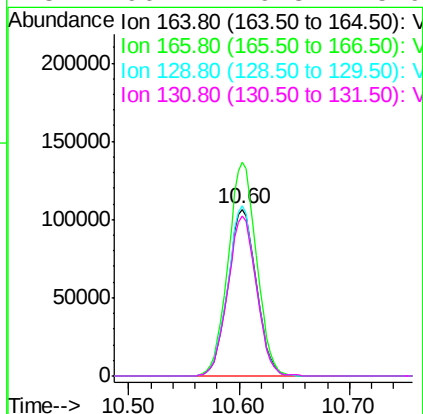
Manual Integrations
APPROVED

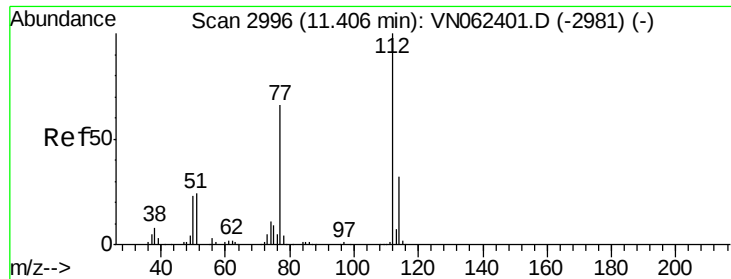
MMDadoda
7/9/2020 10:54:54 AM



#64
Tetrachloroethene
Concen: 84.777 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN062402.D
Acq: 8 Jul 2020 11:51

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.2	104.9	157.3
129	102.1	81.8	122.6
131	96.2	79.3	118.9





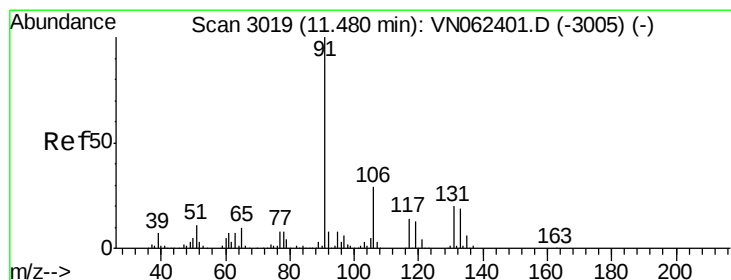
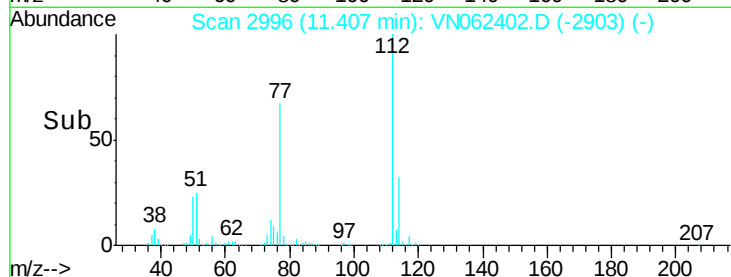
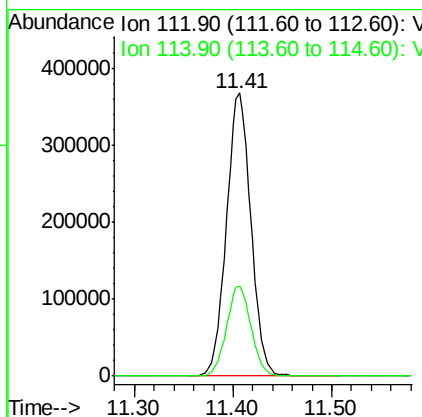
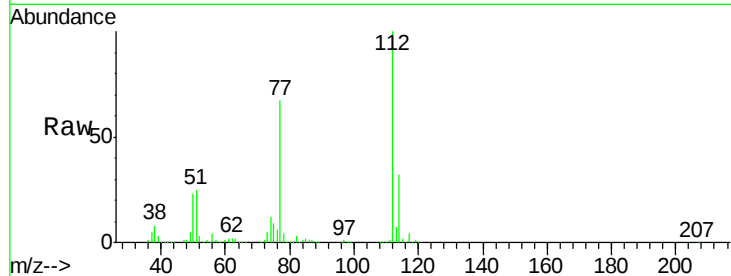
#65
Chlorobenzene
Concen: 88.875 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN062402.D
Acq: 8 Jul 2020 11:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tot Ion:112 Resp: 638935
Ion Ratio Lower Upper
112 100
114 31.8 25.9 38.9

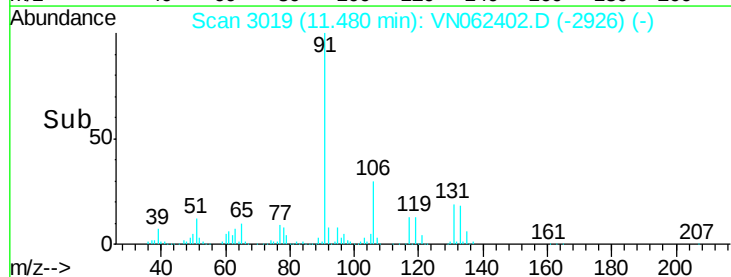
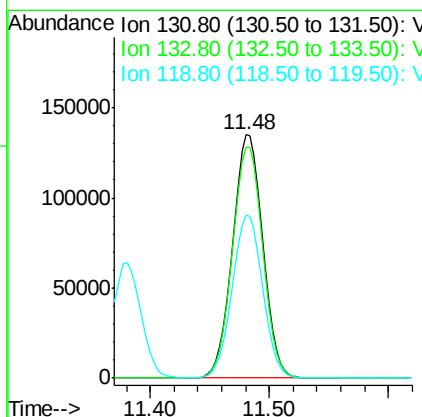
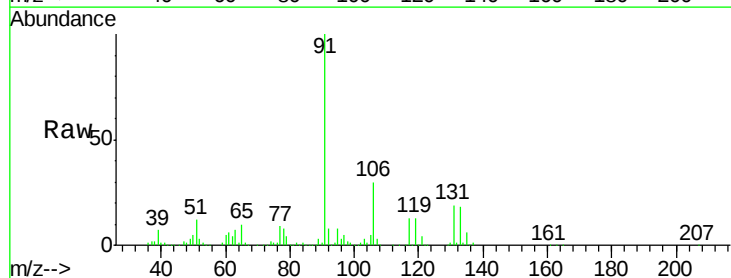
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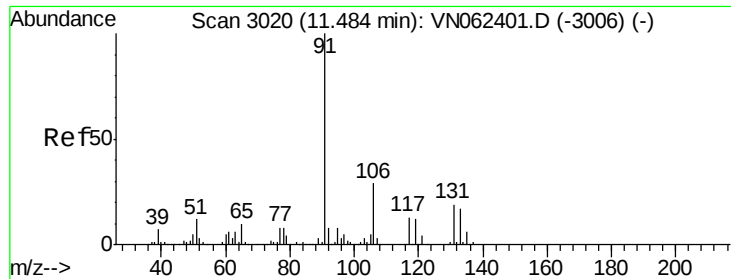
MMDadoda
7/9/2020 10:54:54 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 88.160 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. 0.00 min
Lab File: VN062402.D
Acq: 8 Jul 2020 11:51

Tgt Ion:131 Resp: 237783
Ion Ratio Lower Upper
131 100
133 95.5 46.9 140.8
119 67.8 33.2 99.6





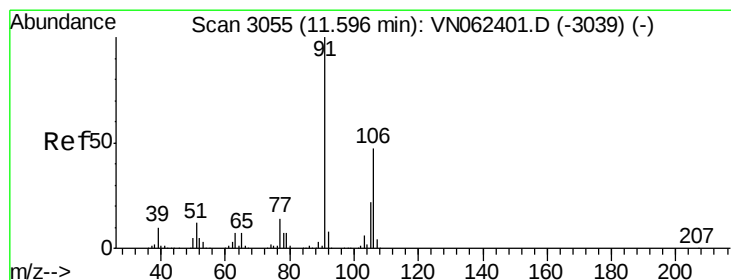
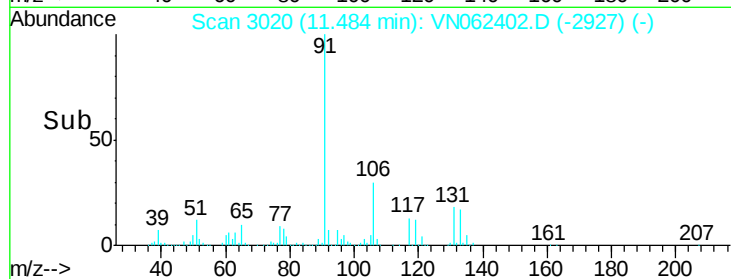
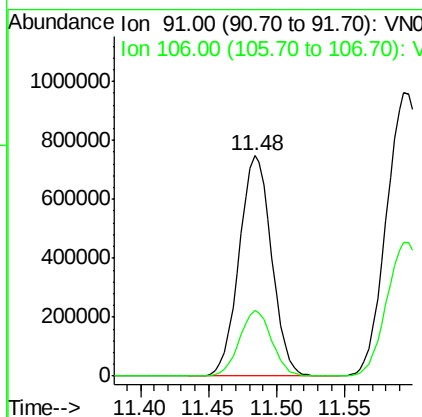
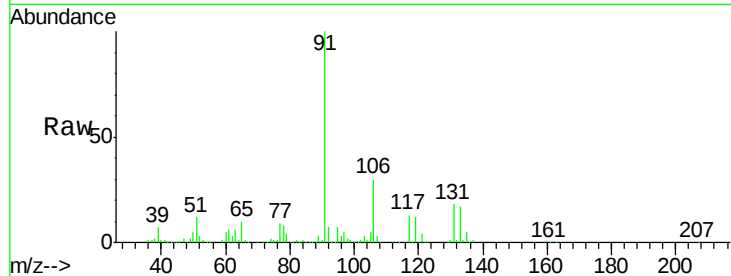
#67
Ethyl Benzene
Concen: 97.248 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN062402.D
Acq: 8 Jul 2020 11:51

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion: 91 Resp: 1236919
Ion Ratio Lower Upper
91 100
106 29.7 23.4 35.2

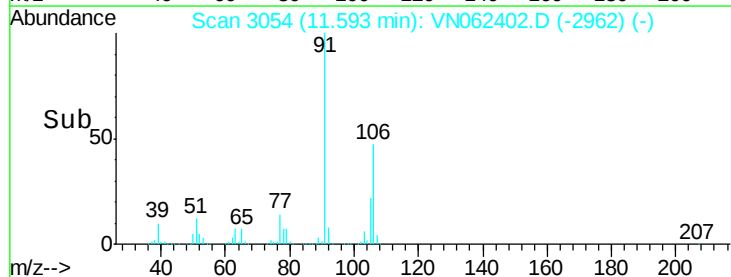
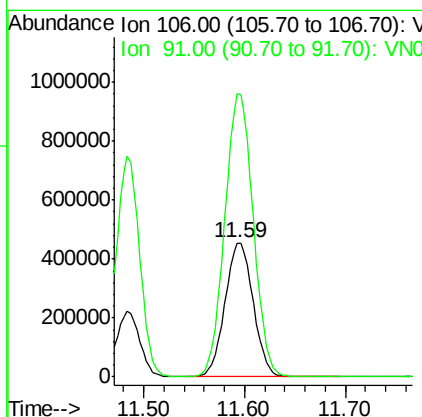
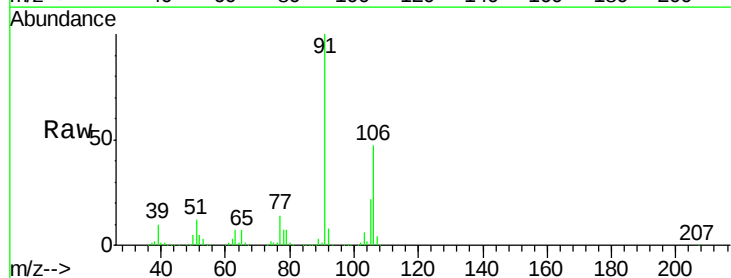
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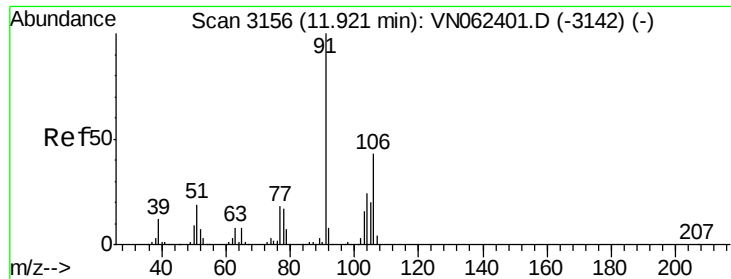
MMDadoda
7/9/2020 10:54:54 AM



#68
m/p-Xylenes
Concen: 190.589 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN062402.D
Acq: 8 Jul 2020 11:51

Tgt Ion: 106 Resp: 886273
Ion Ratio Lower Upper
106 100
91 213.5 172.4 258.6





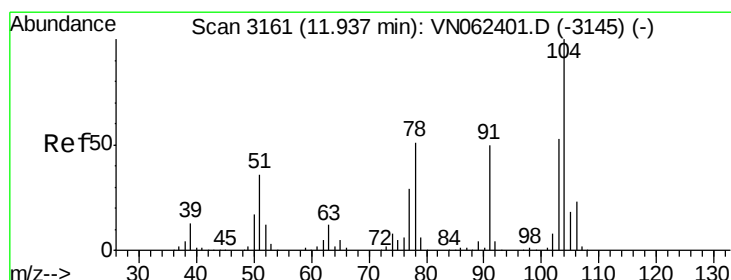
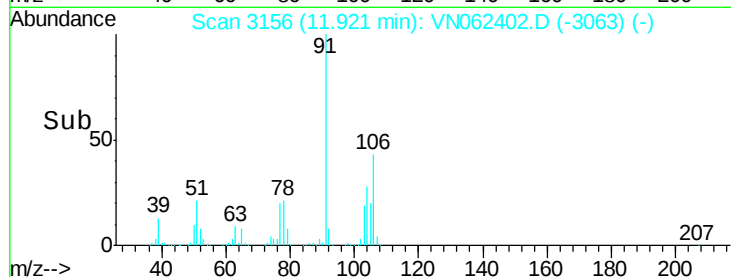
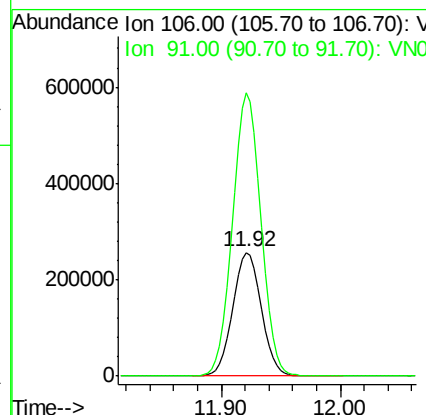
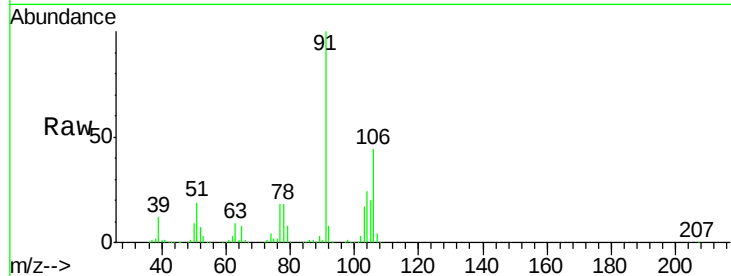
#69
o-Xylene
Concen: 92.804 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN062402.D
Acq: 8 Jul 2020 11:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		425690		
91	227.8	113.8	341.4		

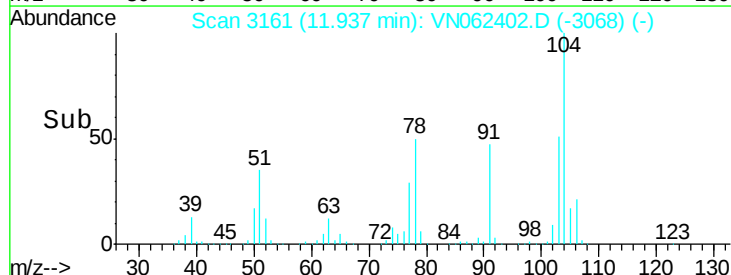
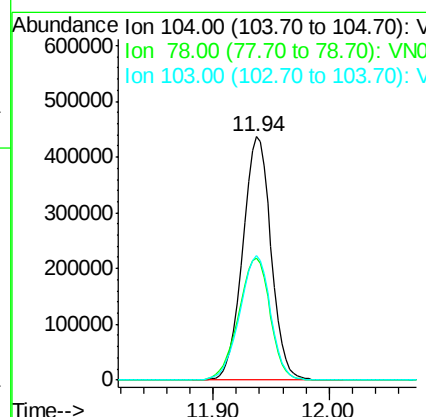
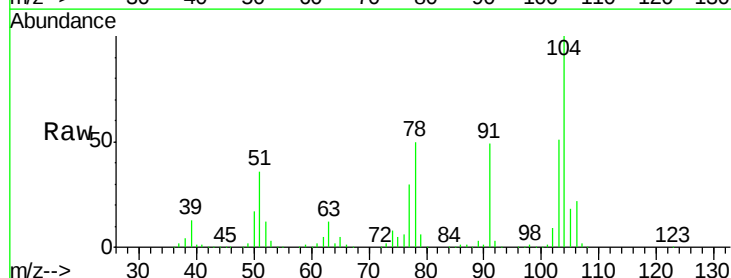
Manual Integrations
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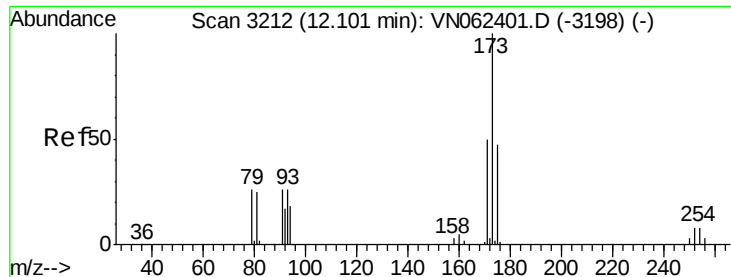
MMDadoda
7/9/2020 10:54:54 AM



#70
Styrene
Concen: 97.604 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN062402.D
Acq: 8 Jul 2020 11:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		739914		
78	55.8	44.2	66.4		
103	55.5	44.4	66.6		





#71

Bromoform

Concen: 88.407 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VN062402.D

Acq: 8 Jul 2020 11:51

Instrument :

MSVOA_N

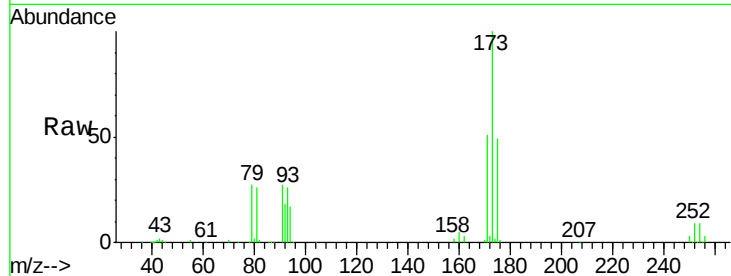
ClientSampled :

VSTDIC100

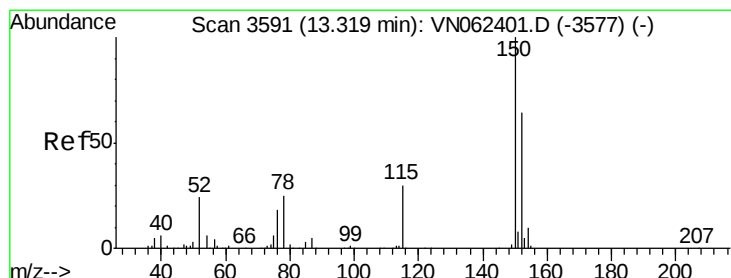
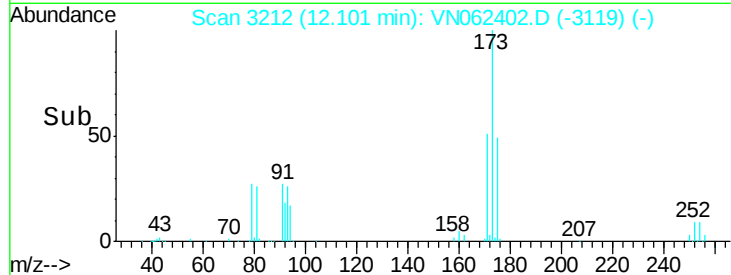
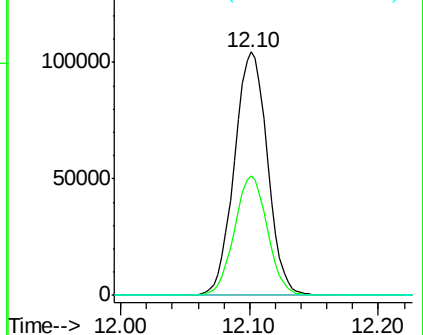
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	23.7	71.1
254	0.1	0.0	0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

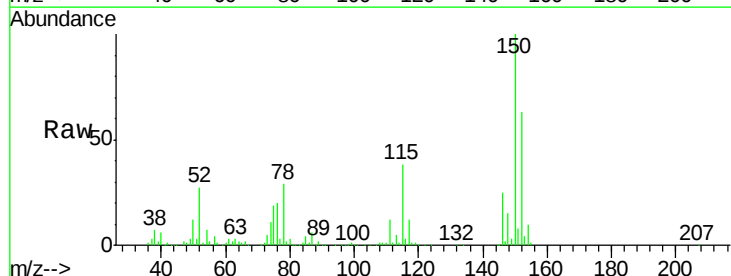
RT: 13.32 min Scan# 3590

Delta R.T. -0.00 min

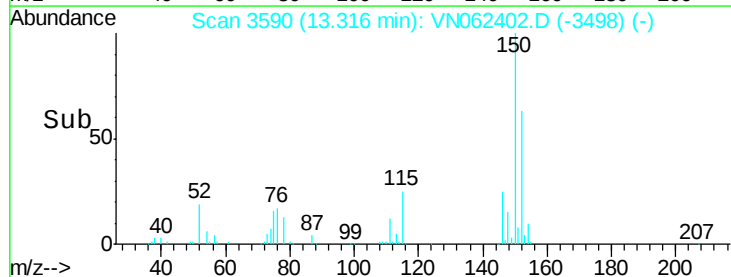
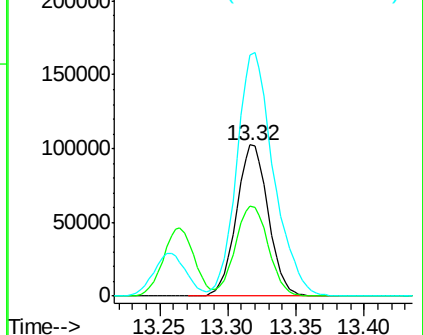
Lab File: VN062402.D

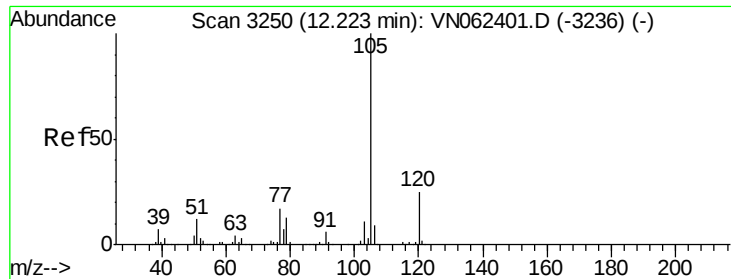
Acq: 8 Jul 2020 11:51

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.7	31.4	94.2
150	186.0	0.0	347.4



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





#73

Isopropylbenzene

Concen: 92.020 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. 0.00 min

Lab File: VN062402.D

Acq: 8 Jul 2020 11:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1149121

Ion Ratio Lower Upper

105 100

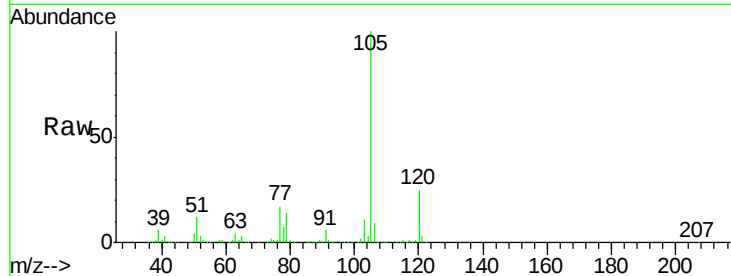
120 25.5 12.7 38.1

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

800000

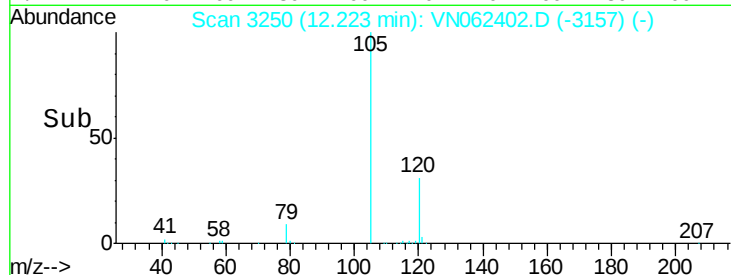
600000

400000

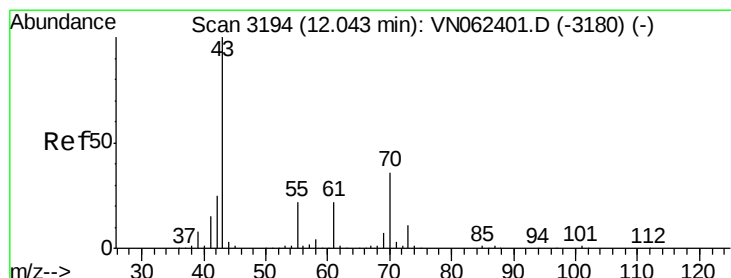
200000

0

12.10 12.20 12.30



Time-->



#74

N-ethyl acetate

Concen: 93.993 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN062402.D

Acq: 8 Jul 2020 11:51

Tgt Ion: 43 Resp: 621798

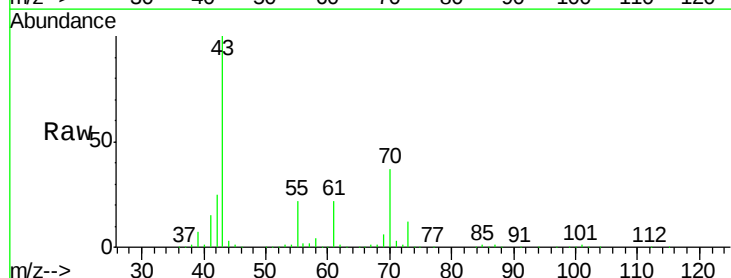
Ion Ratio Lower Upper

43 100

70 36.6 30.0 45.0

55 22.5 18.2 27.4

61 22.2 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

600000

500000

400000

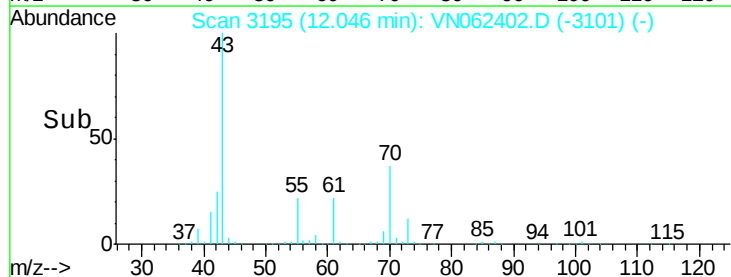
300000

200000

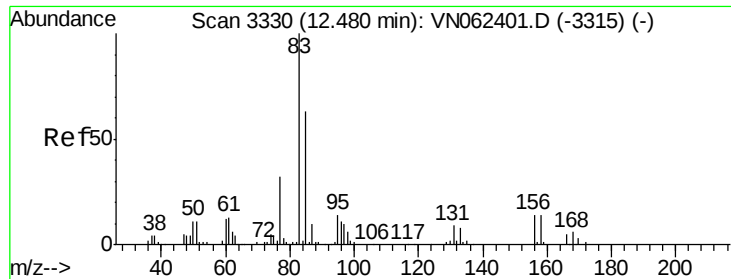
100000

0

12.00 12.10



Time-->



#75

1,1,2,2-Tetrachloroethane

Concen: 86.646 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VN062402.D

Acq: 8 Jul 2020 11:51

Instrument :

MSVOA_N

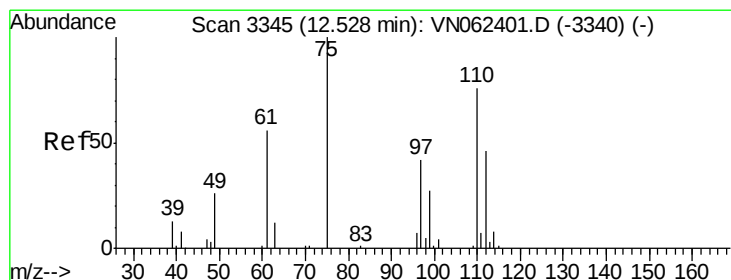
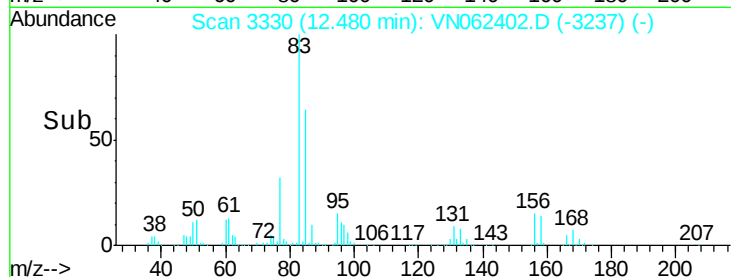
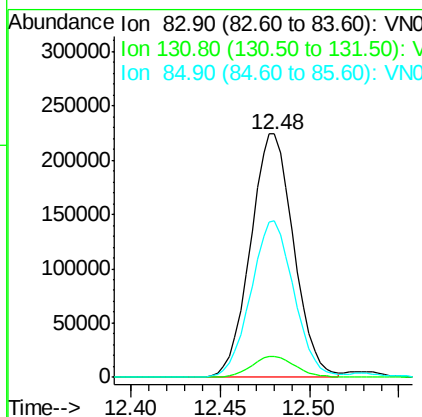
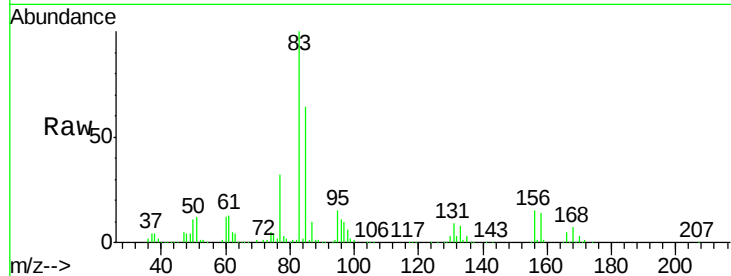
ClientSampled :

VSTDIC100

Tot Ion:	83	Resp:	379042
Ion Ratio	Lower	Upper	
83	100		
131	9.0	4.5	13.5
85	64.1	31.9	95.9

Manual Integrations
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MMDadoda
7/9/2020 10:54:54 AM



#76

1,2,3-Trichloropropane

Concen: 90.996 ug/l m

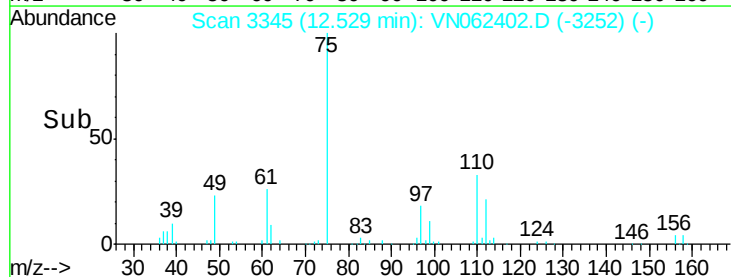
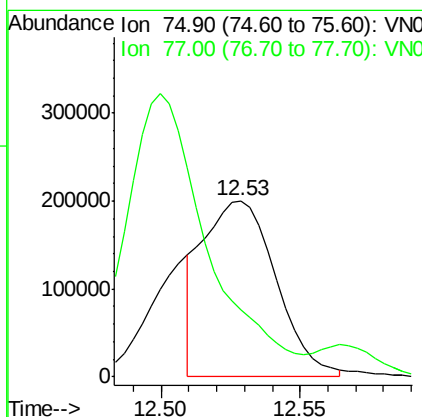
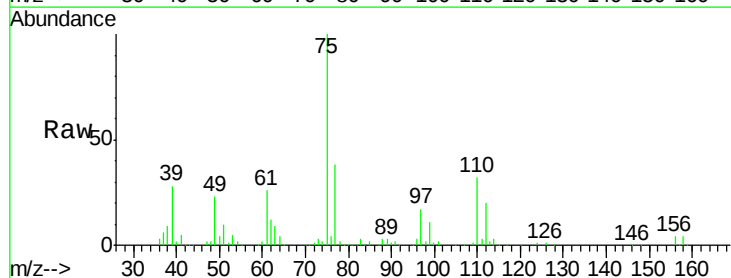
RT: 12.53 min Scan# 3345

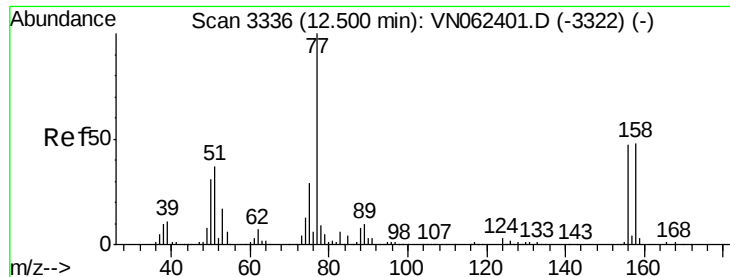
Delta R.T. 0.00 min

Lab File: VN062402.D

Acq: 8 Jul 2020 11:51

Tgt Ion:	75	Resp:	366075
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 89.918 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN062402.D

Acq: 8 Jul 2020 11:51

Instrument :

MSVOA_N

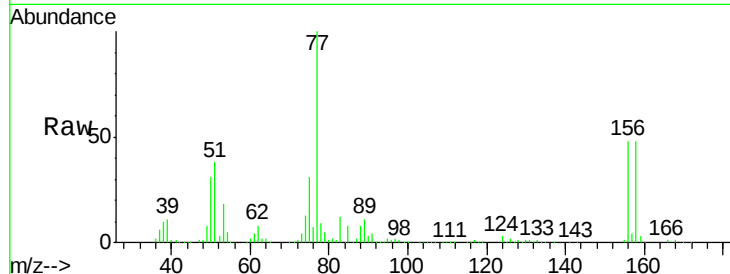
ClientSampled :

VSTDIC100

Tot Ion:	156	Resp:	264602
Ion Ratio	Lower	Upper	
156	100		
77	249.4	126.4	379.3
158	97.2	49.8	149.4

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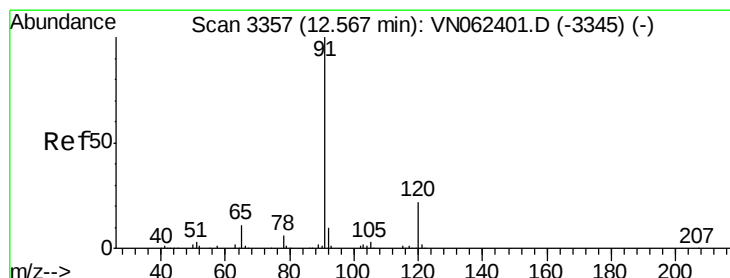
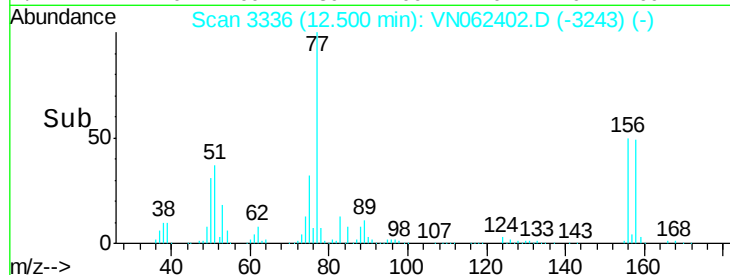
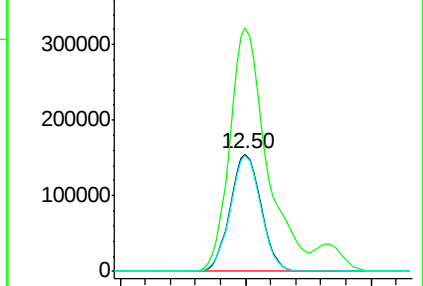
MMDadoda
7/9/2020 10:54:54 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 97.558 ug/l

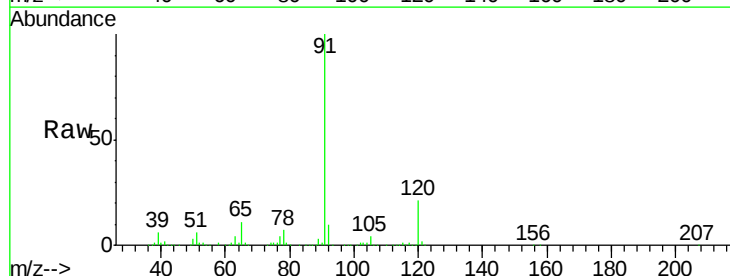
RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN062402.D

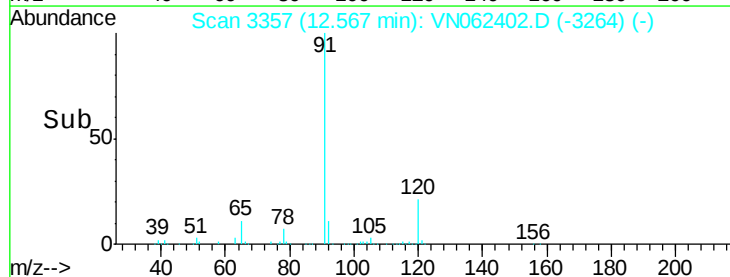
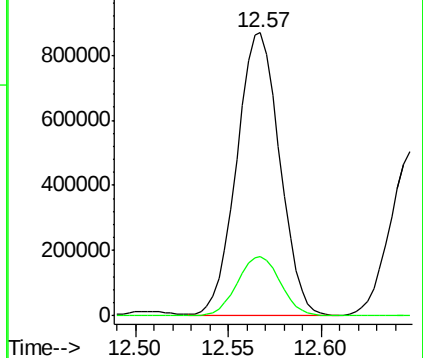
Acq: 8 Jul 2020 11:51

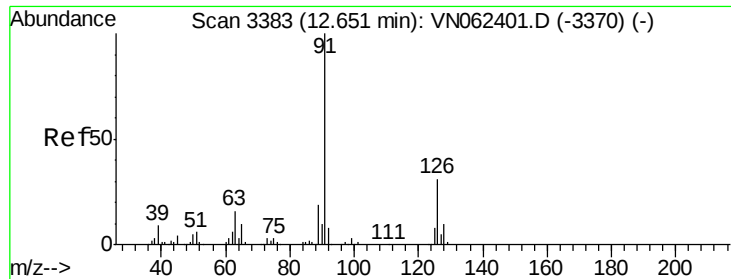
Tgt Ion:	91	Resp:	1390726
Ion Ratio	Lower	Upper	
91	100		
120	21.2	10.7	32.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 91.451 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN062402.D

Acq: 8 Jul 2020 11:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 828348

Ion Ratio Lower Upper

91 100

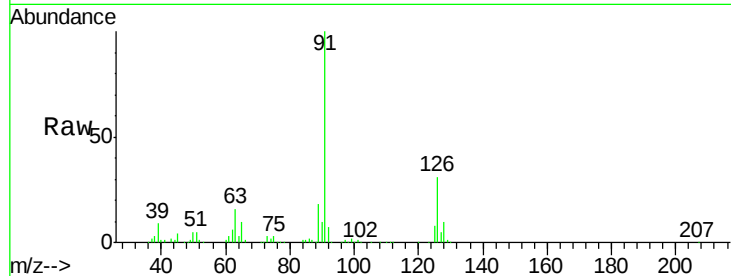
126 31.0 15.6 46.7

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Abundance Ion 91.00 (90.70 to 91.70): VN062401.D (-3370) (-)

Ion 125.90 (125.60 to 126.60): VN062401.D (-3370) (-)

800000

600000

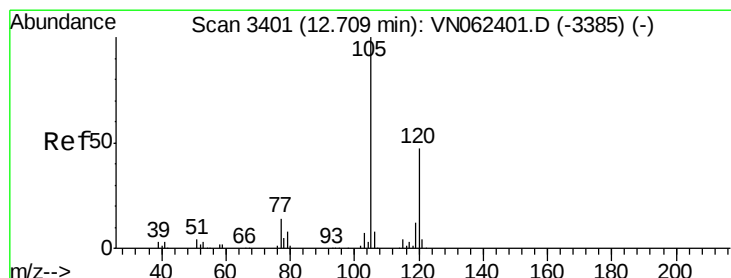
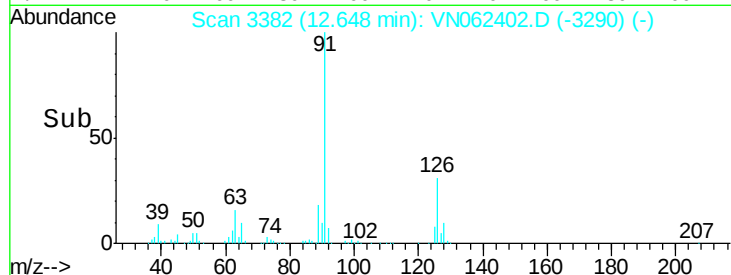
400000

200000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 93.539 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN062402.D

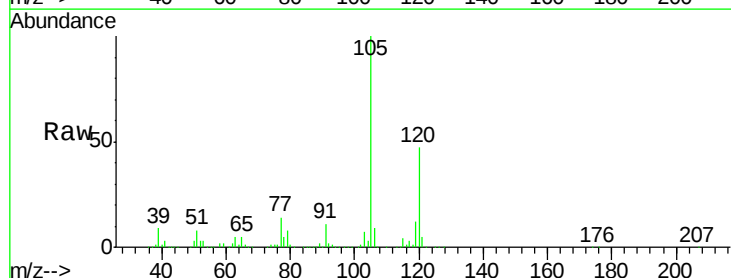
Acq: 8 Jul 2020 11:51

Tgt Ion: 105 Resp: 978314

Ion Ratio Lower Upper

105 100

120 46.7 23.4 70.2



Abundance Ion 105.00 (104.70 to 105.70): VN062401.D (-3385) (-)

Ion 120.00 (119.70 to 120.70): VN062401.D (-3385) (-)

600000

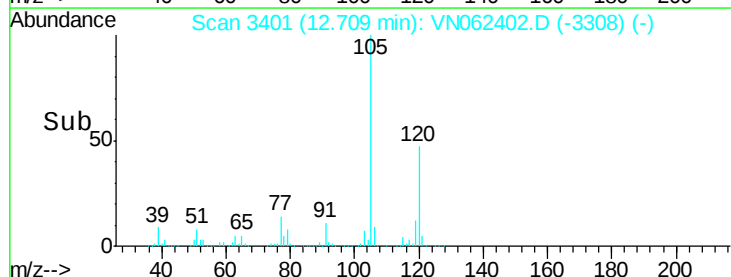
400000

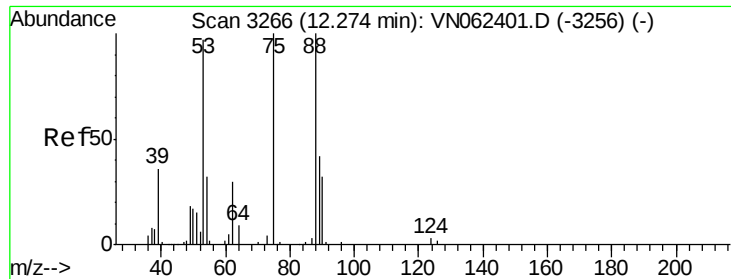
200000

0

12.60 12.70 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 99.432 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. 0.00 min

Lab File: VN062402.D

Acq: 8 Jul 2020 11:51

Instrument :

MSVOA_N

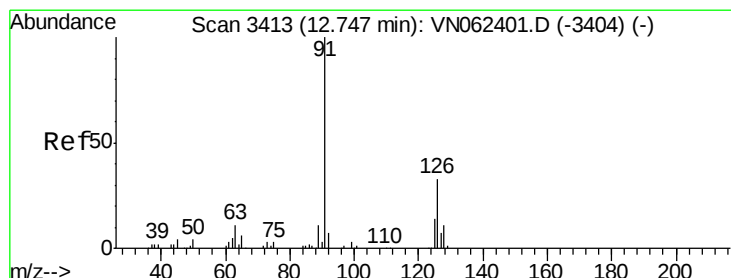
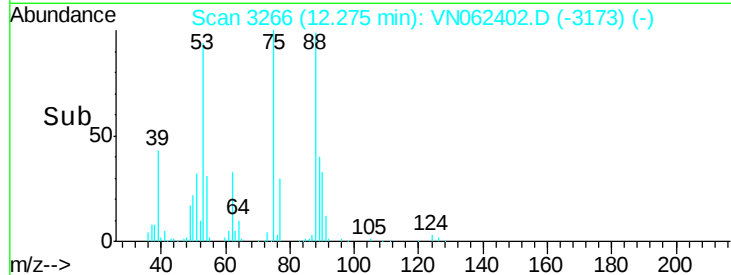
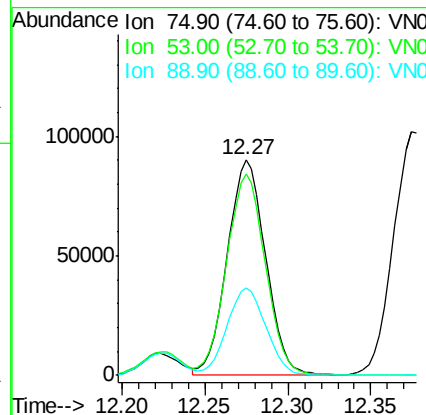
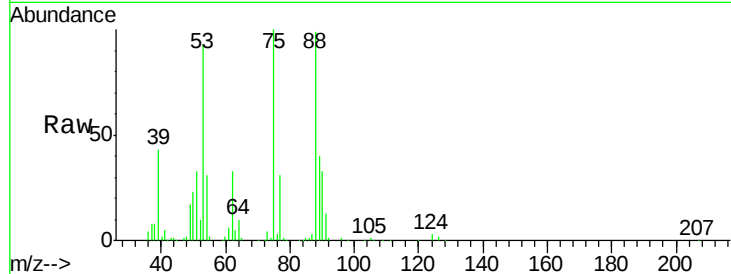
ClientSampled :

VSTDIC100

Tot Ion:	75	Resp:	143833
Ion Ratio	Lower	Upper	
75	100		
53	95.5	79.2	118.8
89	41.4	34.6	52.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 93.745 ug/l

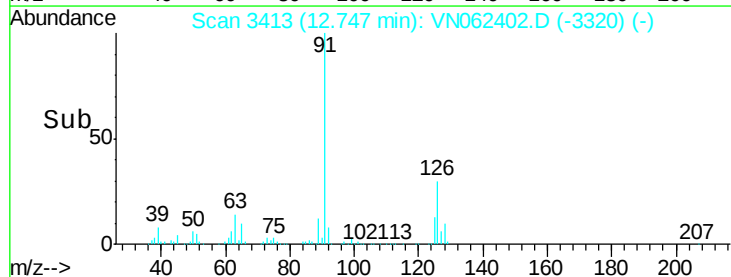
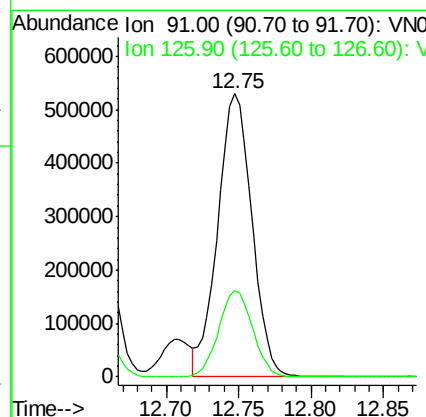
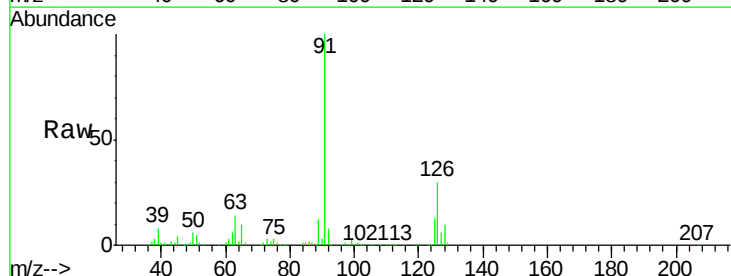
RT: 12.75 min Scan# 3413

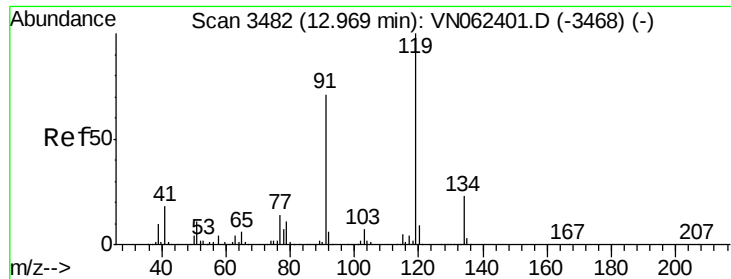
Delta R.T. 0.00 min

Lab File: VN062402.D

Acq: 8 Jul 2020 11:51

Tgt Ion:	91	Resp:	866878
Ion Ratio	Lower	Upper	
91	100		
126	30.4	15.2	45.6





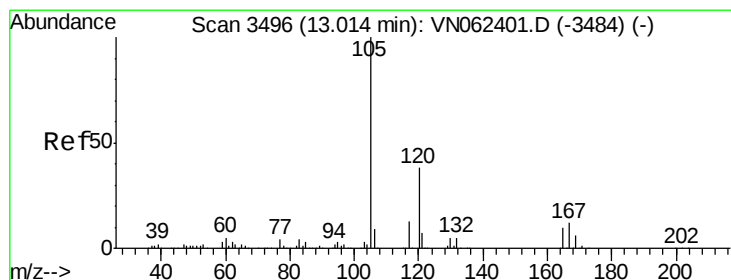
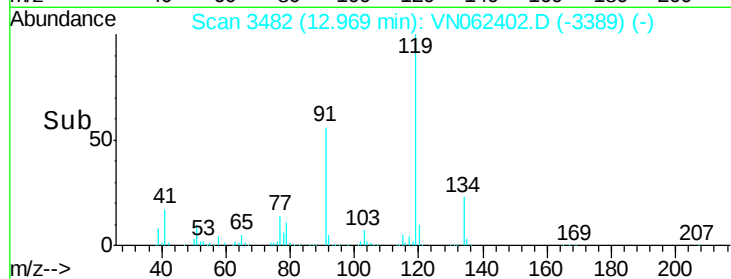
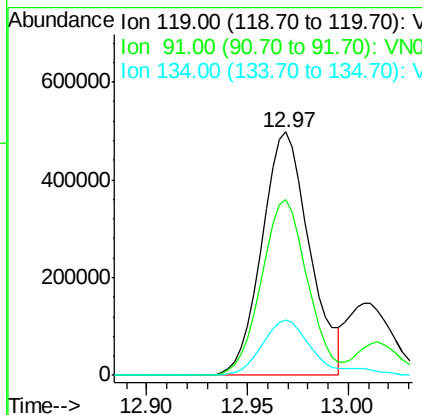
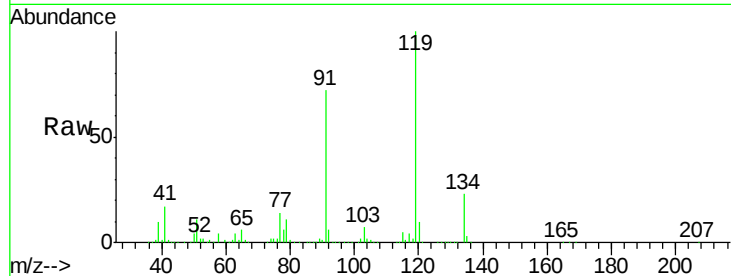
#83
tert-Butylbenzene
Concen: 91.926 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. 0.00 min
Lab File: VN062402.D
Acq: 8 Jul 2020 11:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.9	34.8	104.3
134	22.7	11.7	35.0

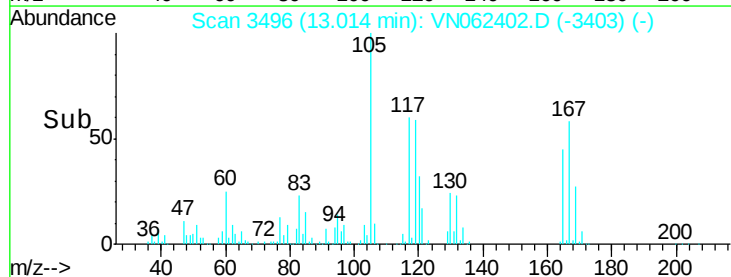
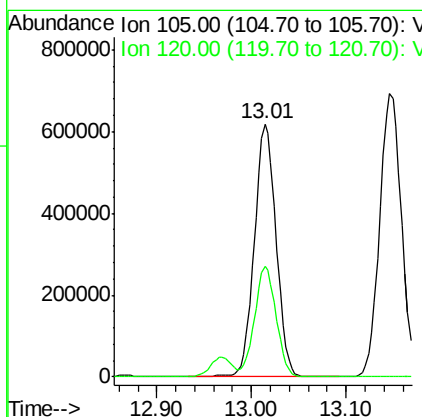
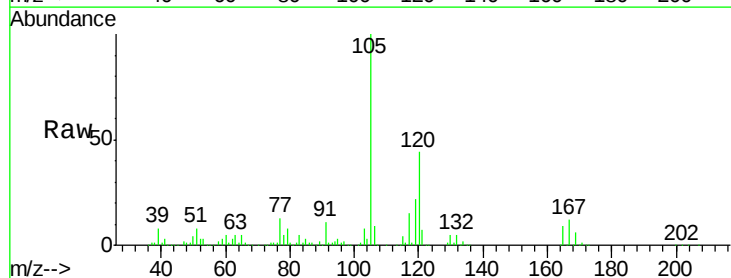
Manual Integrations
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#84
1,2,4-Trimethylbenzene
Concen: 95.381 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. 0.00 min
Lab File: VN062402.D
Acq: 8 Jul 2020 11:51

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.4	21.6	64.8





#85

sec-Butylbenzene

Concen: 97.065 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. 0.00 min

Lab File: VN062402.D

Acq: 8 Jul 2020 11:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tot Ion:105 Resp: 1104757

Ion Ratio Lower Upper

105 100

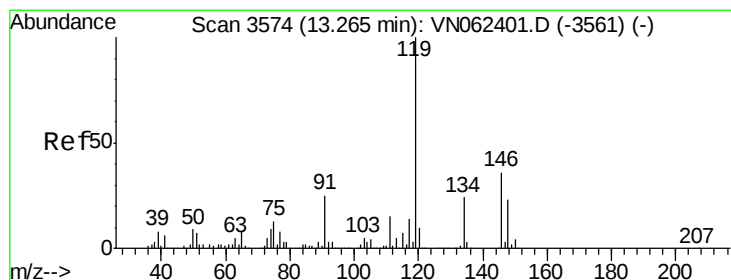
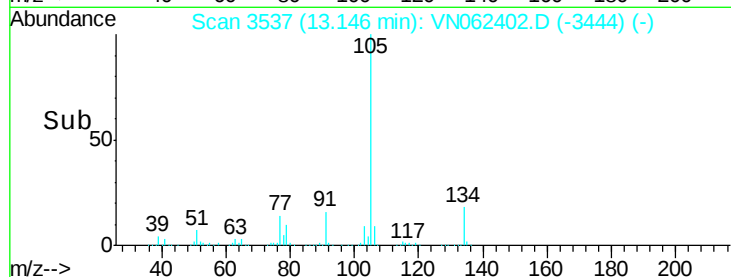
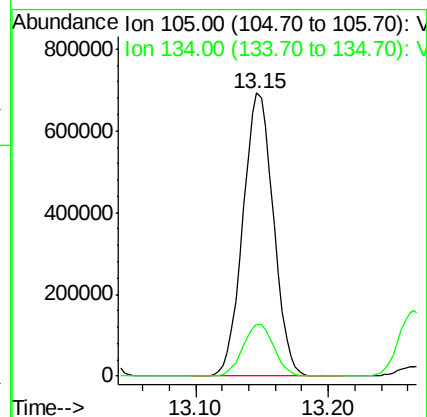
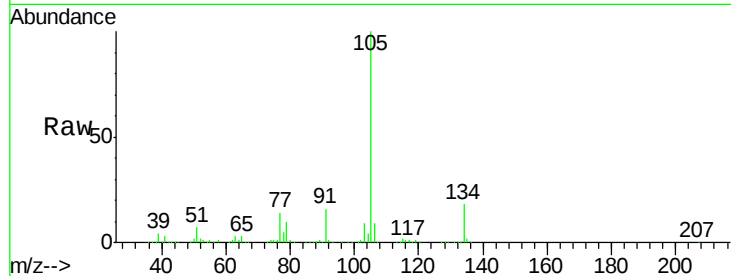
134 18.7 9.3 28.0

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 95.565 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. 0.00 min

Lab File: VN062402.D

Acq: 8 Jul 2020 11:51

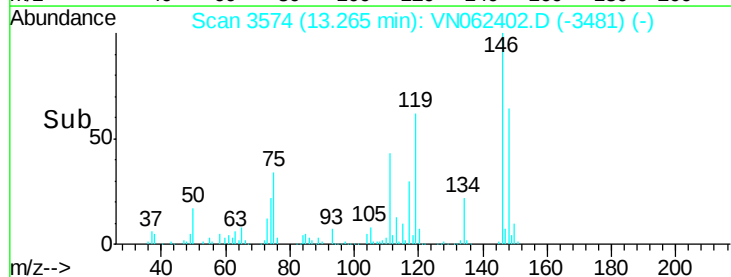
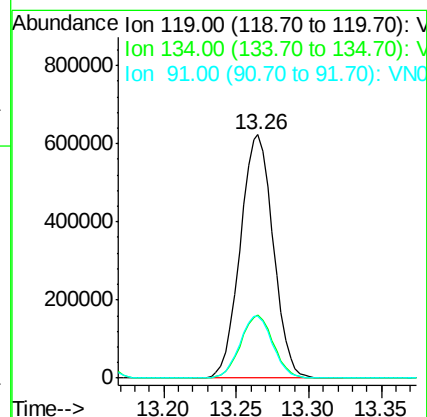
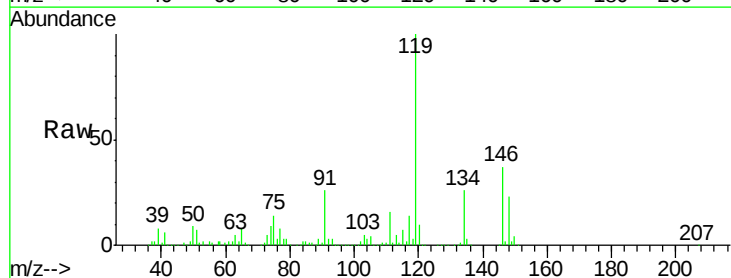
Tgt Ion:119 Resp: 979390

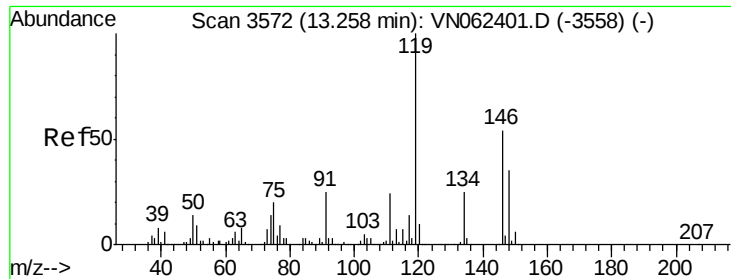
Ion Ratio Lower Upper

119 100

134 25.6 12.4 37.0

91 25.5 12.4 37.4





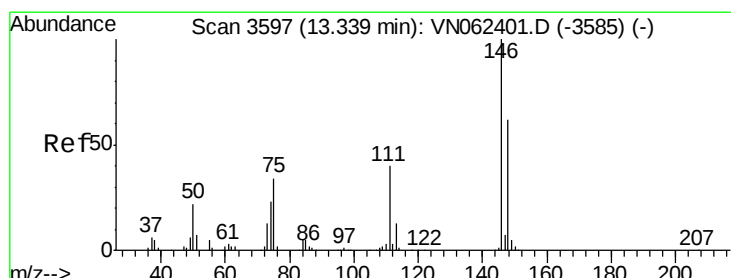
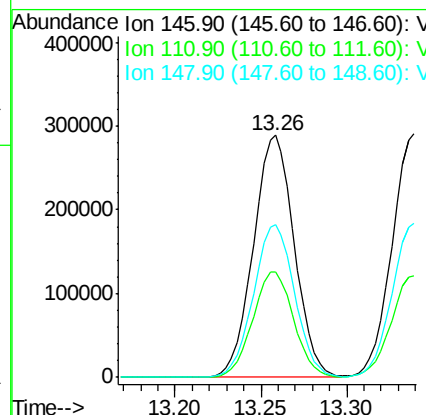
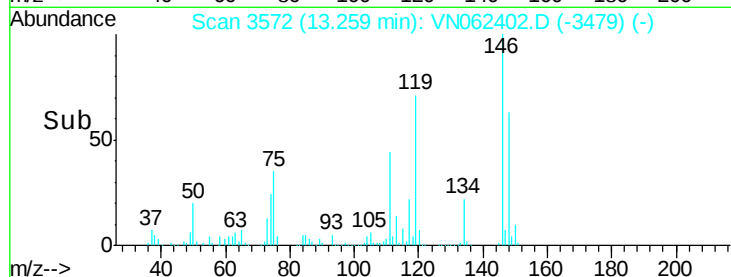
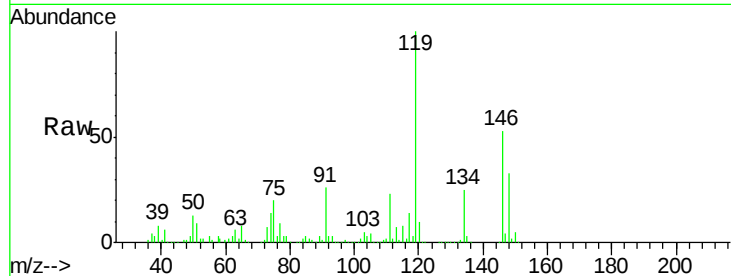
#87
 1,3-Dichlorobenzene
 Concen: 90.142 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN062402.D
 Acq: 8 Jul 2020 11:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.6	64.6
148	63.4	32.2	96.6

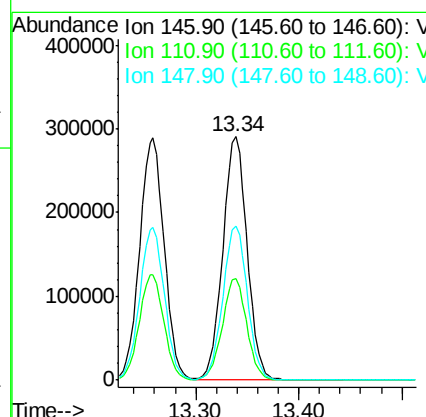
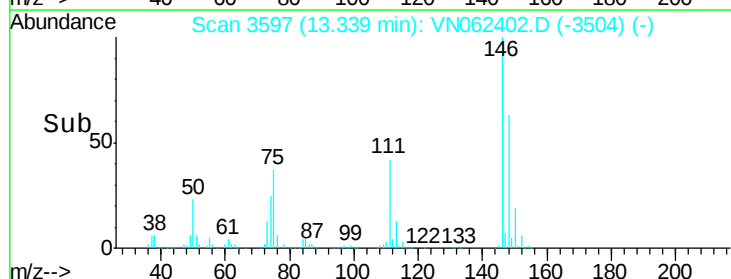
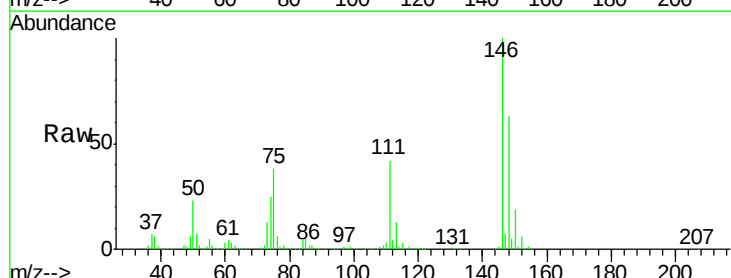
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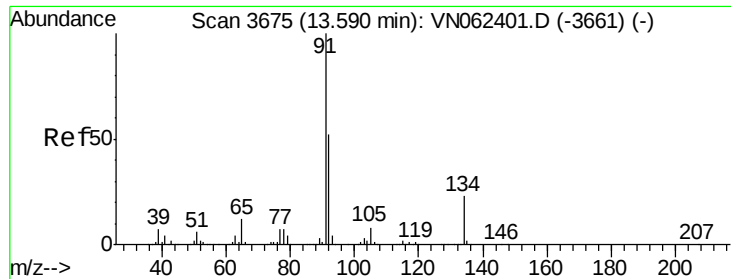
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#88
 1,4-Dichlorobenzene
 Concen: 87.599 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN062402.D
 Acq: 8 Jul 2020 11:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.6	21.1	63.1
148	63.7	31.4	94.2





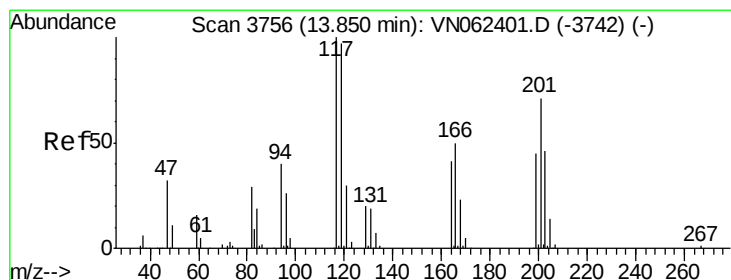
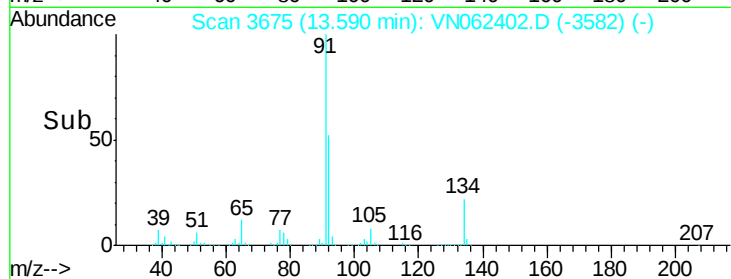
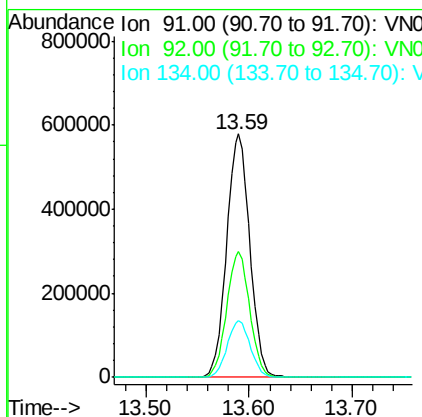
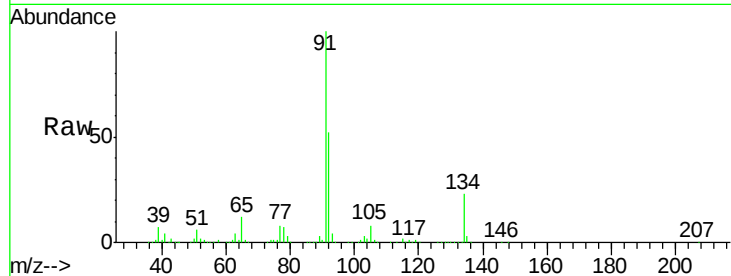
#89
n-Butylbenzene
Concen: 102.224 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN062402.D
Acq: 8 Jul 2020 11:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	51.6	25.9	77.7	
134	23.4	11.6	34.8	

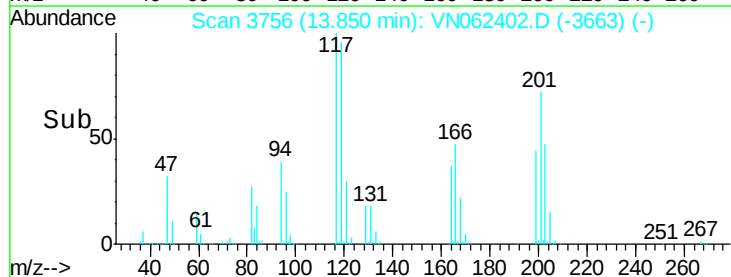
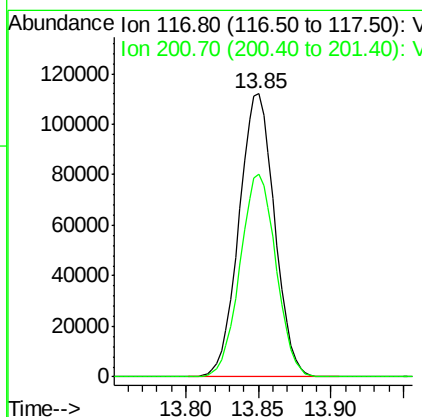
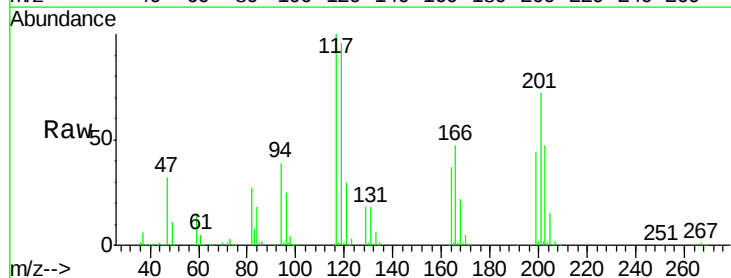
Manual Integrations
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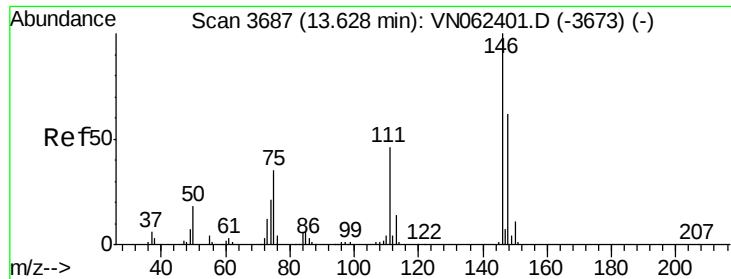
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#90
Hexachloroethane
Concen: 88.000 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. 0.00 min
Lab File: VN062402.D
Acq: 8 Jul 2020 11:51

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	72.4	35.4	106.2	





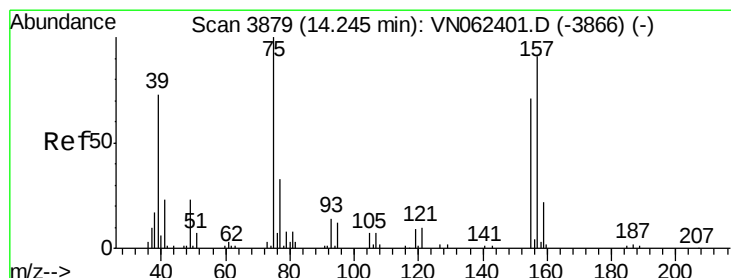
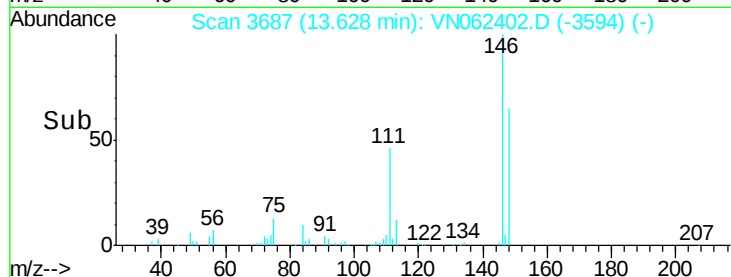
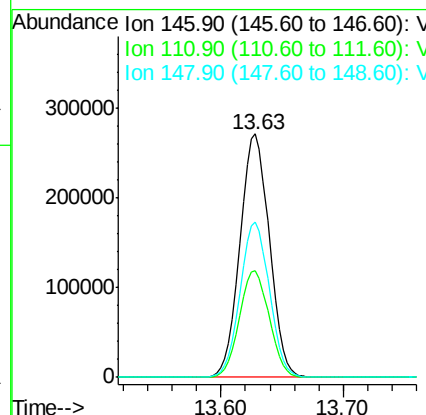
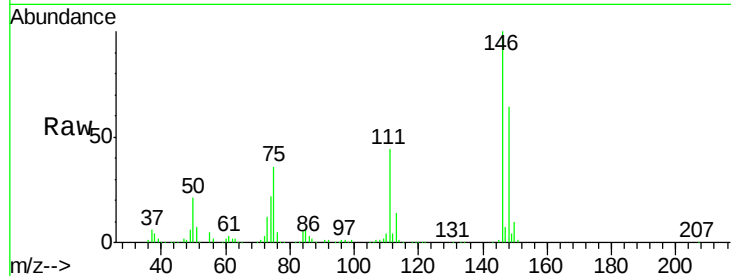
#91
 1,2-Dichlorobenzene
 Concen: 89.562 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: VN062402.D
 Acq: 8 Jul 2020 11:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.4	22.5	67.5
148	63.6	31.4	94.2

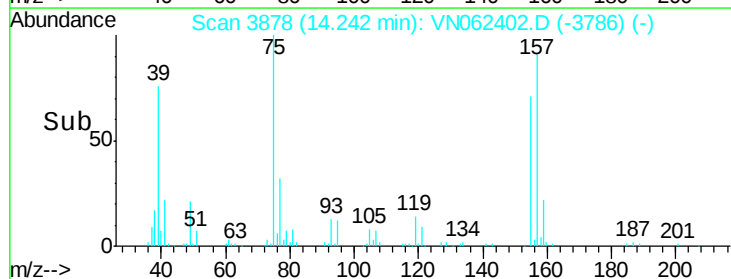
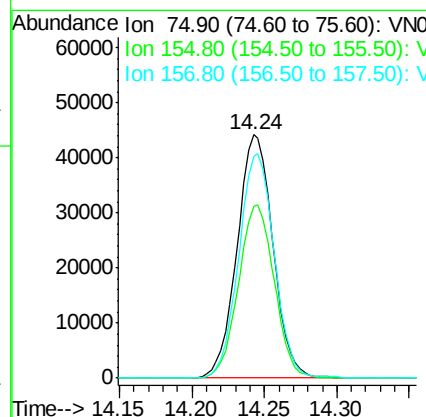
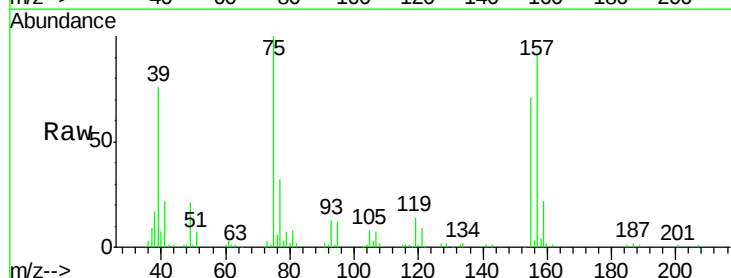
Manual Integrations
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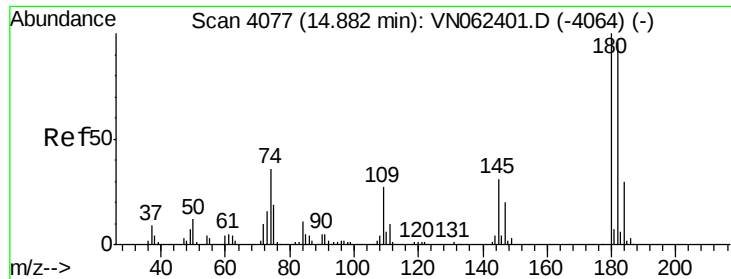
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 7/9/2020 10:54:54 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 89.610 ug/l
 RT: 14.24 min Scan# 3878
 Delta R.T. -0.00 min
 Lab File: VN062402.D
 Acq: 8 Jul 2020 11:51

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.0	35.2	105.6
157	91.0	45.8	137.3





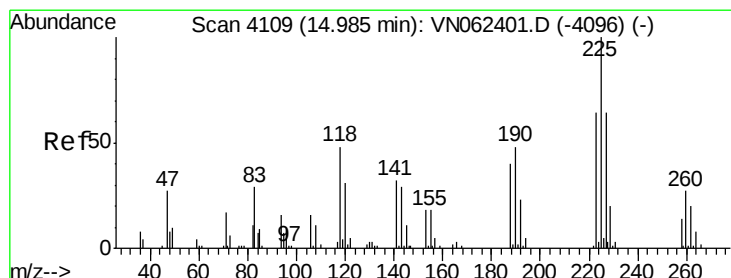
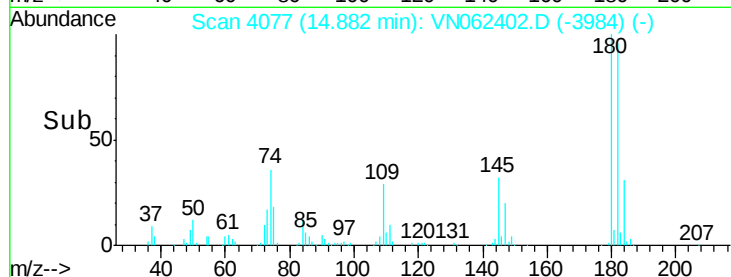
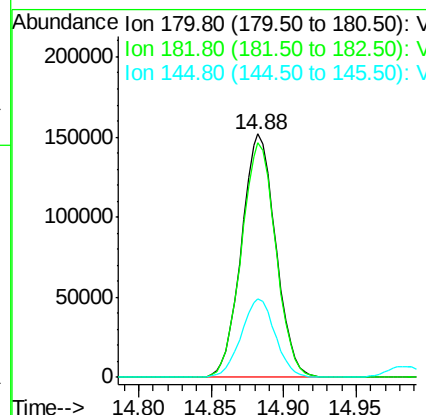
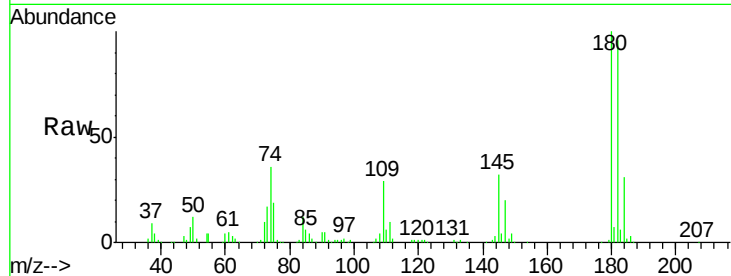
#93
 1,2,4-Trichlorobenzene
 Concen: 105.176 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN062402.D
 Acq: 8 Jul 2020 11:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	248725		
182	97.1	48.4	145.2	
145	32.0	15.5	46.5	

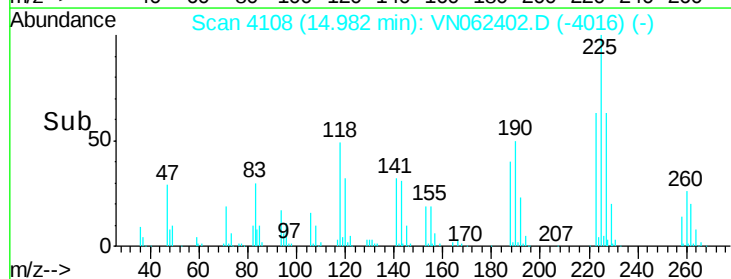
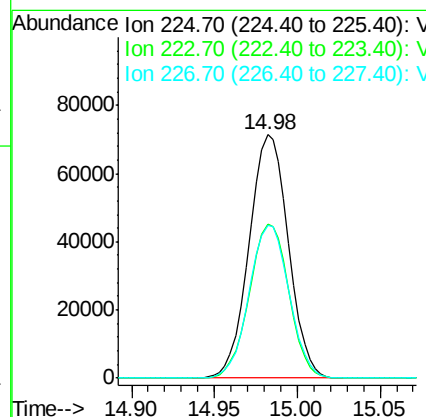
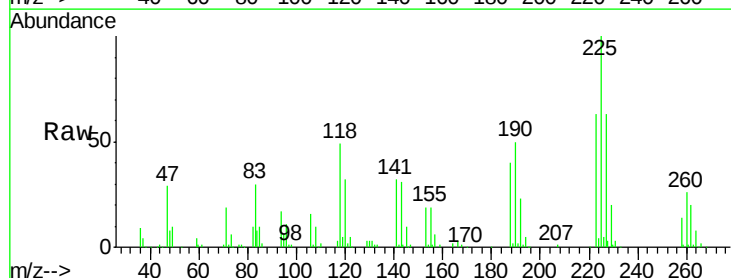
Manual Integrations
 APPROVED

MMDadoda
 7/9/2020 10:54:54 AM



#94
 Hexachlorobutadiene
 Concen: 79.627 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN062402.D
 Acq: 8 Jul 2020 11:51

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	117832		
223	63.7	32.3	96.8	
227	64.0	31.9	95.7	





#95

Naphthalene

Concen: 110.657 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. 0.00 min

Lab File: VN062402.D

Acq: 8 Jul 2020 11:51

Instrument :

MSVOA_N

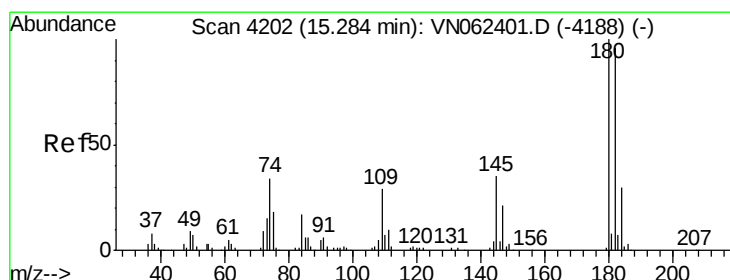
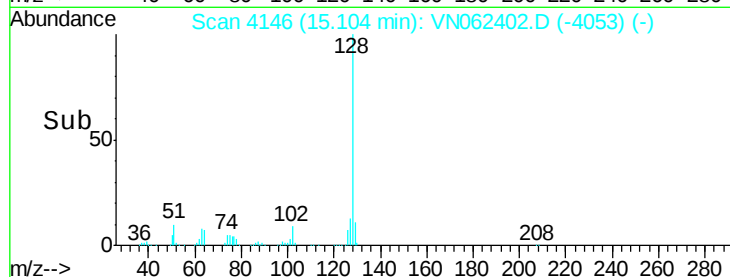
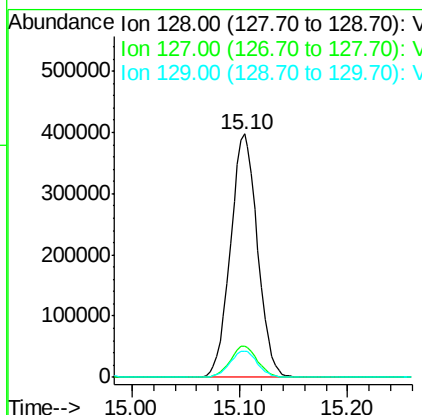
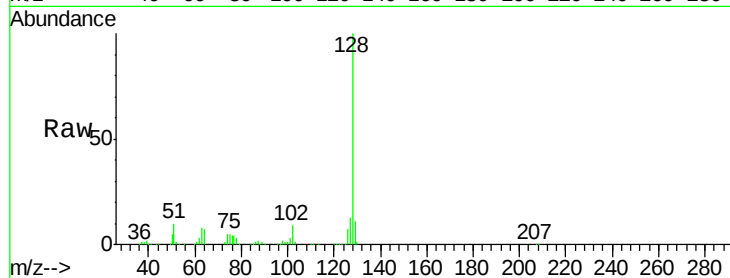
ClientSampled :

VSTDIC100

Tot Ion:	128	Resp:	693604
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.2	15.2
129	10.9	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
7/9/2020 10:54:54 AM



#96

1,2,3-Trichlorobenzene

Concen: 101.838 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. 0.00 min

Lab File: VN062402.D

Acq: 8 Jul 2020 11:51

Tgt Ion:	180	Resp:	247095
Ion Ratio	Lower	Upper	
180	100		
182	95.1	47.8	143.4
145	33.1	17.0	50.9

