

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061625\
 Data File : VY022699.D
 Acq On : 16 Jun 2025 11:22
 Operator : SY/MD
 Sample : Q2328-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CHRT25653

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Title : SW846 8260

Signal : TIC: VY022699.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.098	44	62	63	rBV3	8876	26304	4.39%	0.433%
2	2.171	69	74	82	rBV2	21886	45460	7.58%	0.748%
3	4.622	466	476	485	rBV3	8368	28056	4.68%	0.462%
4	5.646	636	644	649	rBV5	3850	9312	1.55%	0.153%
5	7.640	960	971	976	rBV	81035	199828	33.33%	3.287%
6	7.707	976	982	993	rVB	144006	331688	55.33%	5.457%
7	8.067	1031	1041	1052	rBV	74569	171184	28.55%	2.816%
8	8.615	1121	1131	1142	rBV	235566	464927	77.55%	7.649%
9	9.103	1205	1211	1217	rVB5	2631	6044	1.01%	0.099%
10	9.914	1334	1344	1353	rBV	43807	81390	13.58%	1.339%
11	10.109	1368	1376	1382	rBV	350313	599505	100.00%	9.863%
12	10.170	1382	1386	1396	rVB	36964	65506	10.93%	1.078%
13	10.963	1512	1516	1522	rVB4	3951	6035	1.01%	0.099%
14	11.420	1583	1591	1602	rBV	268109	452174	75.42%	7.439%
15	11.517	1602	1607	1612	rBV	14895	22156	3.70%	0.364%
16	11.627	1617	1625	1635	rBV2	36363	75223	12.55%	1.238%
17	11.956	1667	1679	1687	rBV2	22692	47732	7.96%	0.785%
18	12.176	1710	1715	1719	rBV5	4349	7225	1.21%	0.119%
19	12.255	1723	1728	1733	rBV	4837	6940	1.16%	0.114%
20	12.407	1746	1753	1761	rBV	156498	246435	41.11%	4.054%
21	12.596	1775	1784	1788	rVB3	9311	21956	3.66%	0.361%
22	12.657	1788	1794	1797	rBV3	24609	42858	7.15%	0.705%
23	12.694	1797	1800	1802	rVV2	9968	12818	2.14%	0.211%
24	12.737	1802	1807	1811	rVB3	37016	59213	9.88%	0.974%
25	12.785	1811	1815	1819	rVB6	7893	11628	1.94%	0.191%
26	12.895	1826	1833	1837	rBV2	13125	27618	4.61%	0.454%
27	12.962	1840	1844	1847	rBV5	13999	22890	3.82%	0.377%
28	13.041	1853	1857	1863	rBV	67548	98430	16.42%	1.619%
29	13.176	1873	1879	1883	rBV3	23700	35964	6.00%	0.592%
30	13.237	1883	1889	1894	rBV4	28361	57046	9.52%	0.938%
31	13.291	1894	1898	1901	rBV3	16611	22859	3.81%	0.376%
32	13.346	1901	1907	1911	rBV	134725	232027	38.70%	3.817%
33	13.541	1933	1939	1943	rBV2	29415	46127	7.69%	0.759%
34	13.590	1943	1947	1954	rVB3	33697	62353	10.40%	1.026%
35	13.669	1954	1960	1965	rBV3	78946	136628	22.79%	2.248%
36	13.718	1965	1968	1969	rBV3	7470	7791	1.30%	0.128%

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Start Thrs: 0.2

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Peak Location: TOP

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Peak separation: 5

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37	13.743	1970	1972	1975	rBV	9613	10495	1.75%	0.173%
38	13.804	1979	1982	1984	rBV2	17427	20531	3.42%	0.338%
39	13.834	1984	1987	1992	rVB3	33810	45160	7.53%	0.743%
40	13.889	1992	1996	2001	rVB3	45167	71946	12.00%	1.184%
41	13.938	2001	2004	2008	rVB5	15413	23069	3.85%	0.380%
42	13.999	2008	2014	2019	rBV	103614	166202	27.72%	2.734%
43	14.054	2019	2023	2024	rBV3	26693	37167	6.20%	0.611%
44	14.133	2031	2036	2039	rBV6	22607	46303	7.72%	0.762%
45	14.175	2039	2043	2053	rVV6	73920	223977	37.36%	3.685%
46	14.255	2053	2056	2059	rVB	34098	43762	7.30%	0.720%
47	14.303	2059	2064	2067	rBV3	47722	80724	13.47%	1.328%
48	14.340	2067	2070	2074	rVB3	67083	86688	14.46%	1.426%
49	14.529	2098	2101	2106	rVB4	51296	71138	11.87%	1.170%
50	14.590	2106	2111	2117	rBV2	99090	238658	39.81%	3.926%
51	14.651	2117	2121	2127	rVB5	81860	146830	24.49%	2.416%
52	14.755	2134	2138	2142	rBV5	35142	55512	9.26%	0.913%
53	14.858	2152	2155	2159	rVB3	59632	77501	12.93%	1.275%
54	14.962	2168	2172	2177	rBV6	31495	58808	9.81%	0.967%
55	15.126	2195	2199	2204	rBV3	54907	90048	15.02%	1.481%
56	15.194	2205	2210	2215	rVB8	61816	135800	22.65%	2.234%
57	15.346	2231	2235	2239	rBV7	32778	65876	10.99%	1.084%
58	15.626	2278	2281	2287	rVB6	43018	73253	12.22%	1.205%
59	16.047	2346	2350	2355	rVB6	52583	92782	15.48%	1.526%
60	16.114	2357	2361	2367	rBV2	52061	107239	17.89%	1.764%
61	16.358	2396	2401	2408	rBV7	73037	174624	29.13%	2.873%
62	16.480	2418	2421	2426	rBV6	23274	43060	7.18%	0.708%

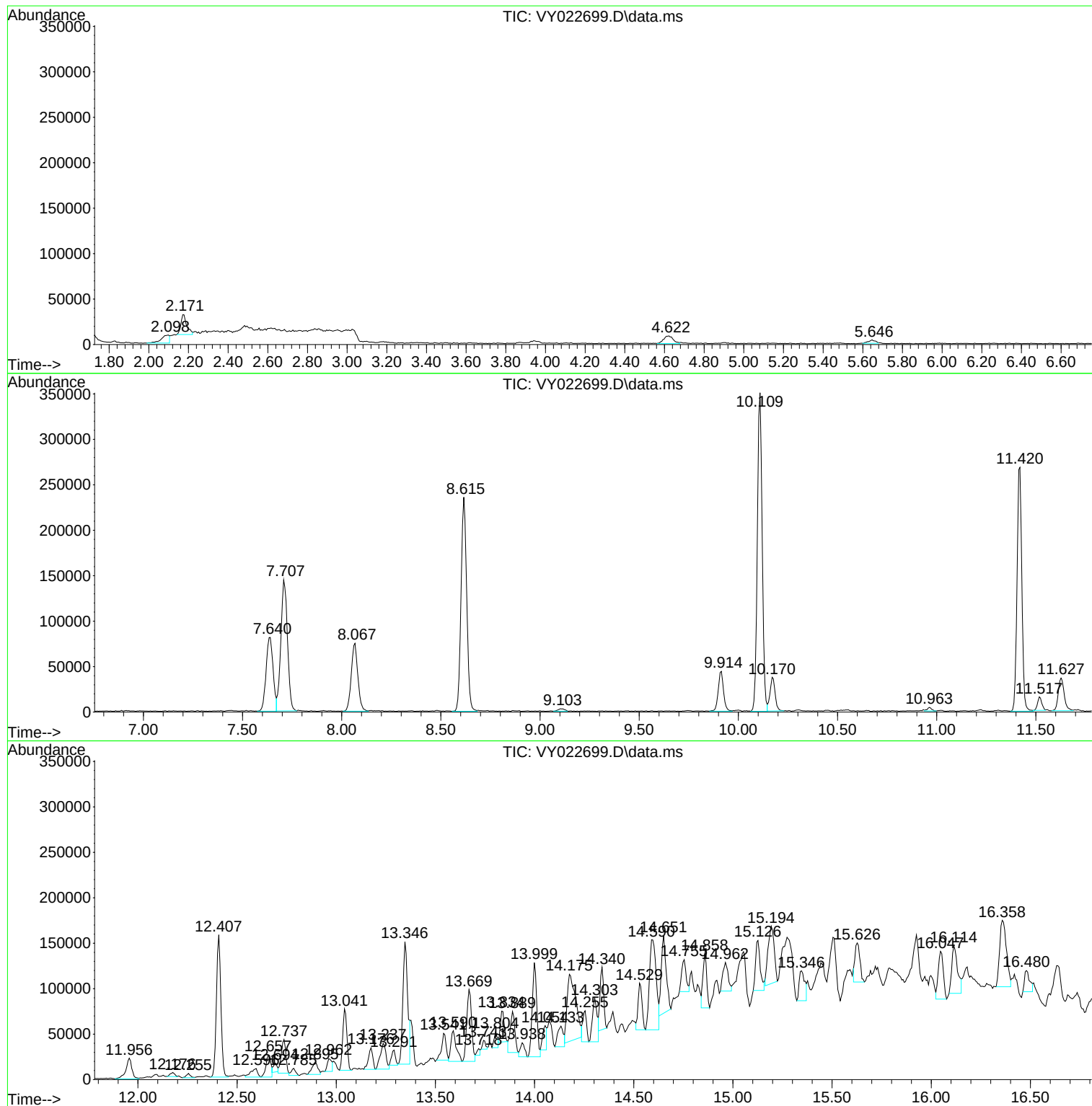
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



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Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 6 Sample Multiplier: 1

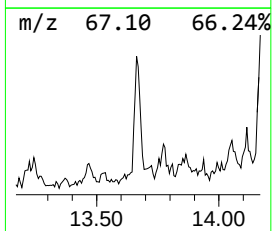
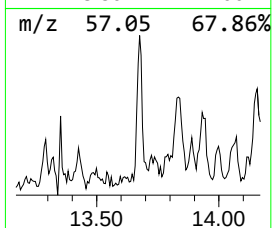
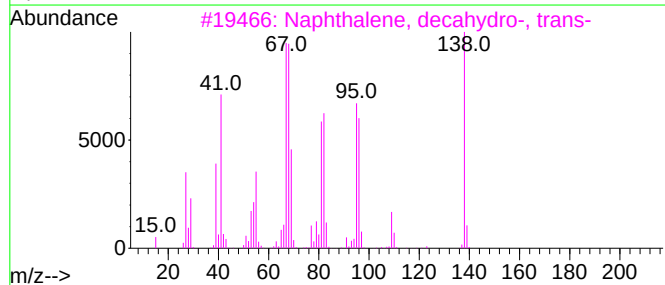
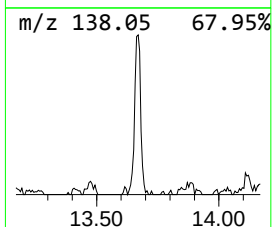
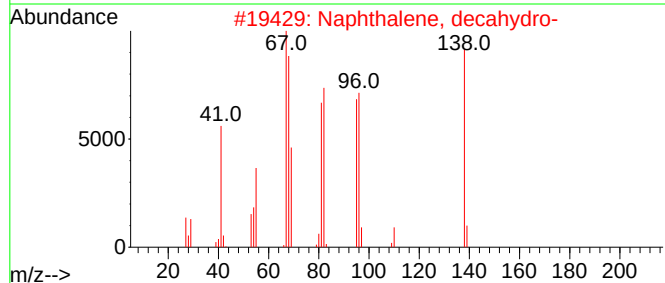
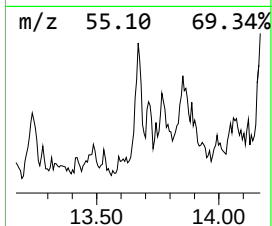
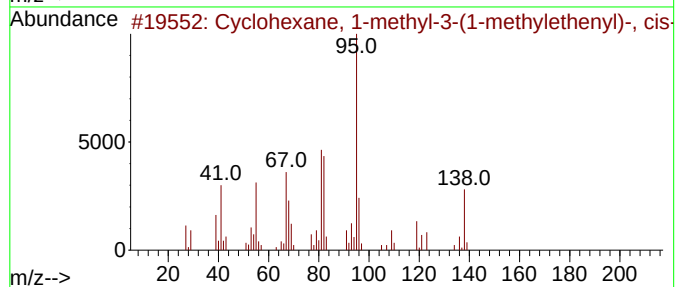
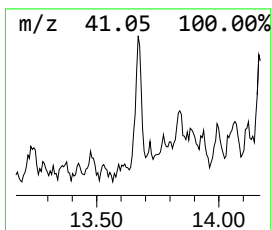
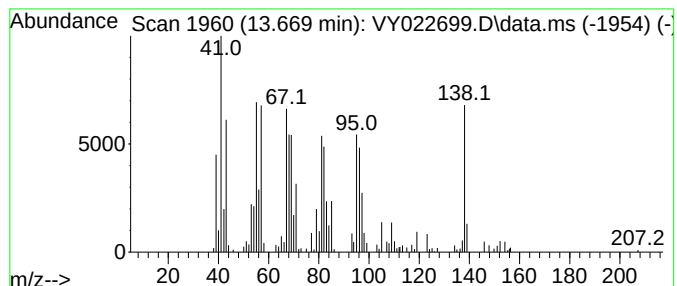
Instrument :
MSVOA_Y
ClientSampleId :
CHRT25653

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 Cyclohexane, 1-methyl-3-(1-... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.669	29.44 ug/l	136628	1,4-Dichlorobenzene-d4	13.346	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-3-(1-methy...	138	C10H18	024399-15-3	93
2	Naphthalene, decahydro-	138	C10H18	000091-17-8	87
3	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	86
4	(Z)-4-Decen-1-ol, chlorodifluoro...	268	C12H19ClF2O2	1000447-45-6	58
5	Spiro[4.5]decane	138	C10H18	000176-63-6	58



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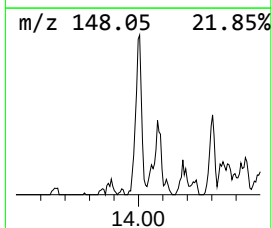
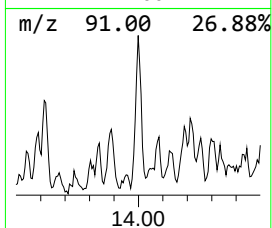
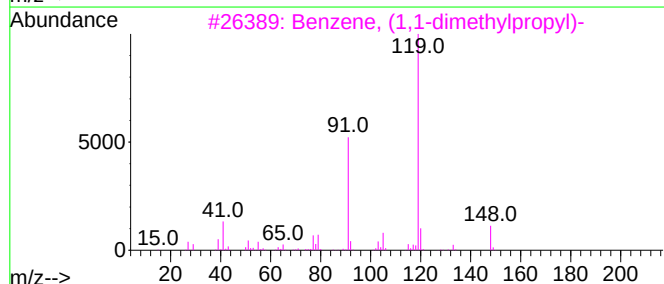
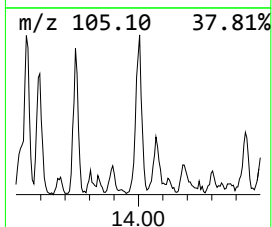
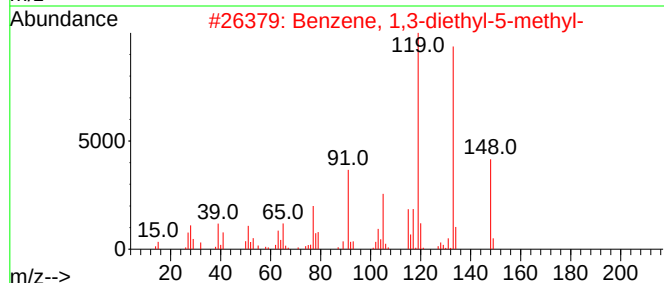
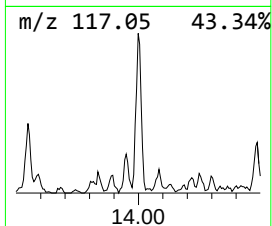
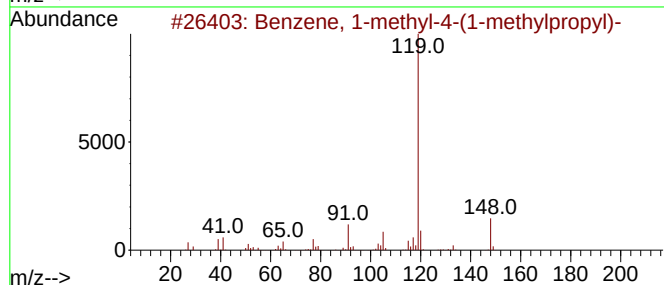
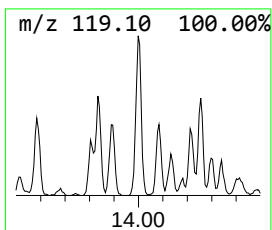
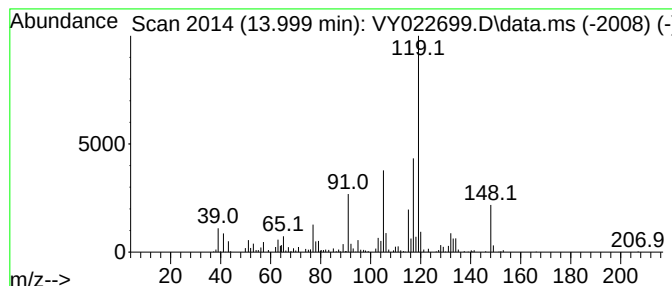
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Benzene, 1-methyl-4-(1-meth... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.999	35.82 ug/l	166202	1,4-Dichlorobenzene-d4	13.346

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	52
2			Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	50
3			Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	49
4			1,3,5-Cycloheptatriene, 3,7,7-tr...	134	C10H14	003479-89-8	46
5			Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	46



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ALS Vial : 6 Sample Multiplier: 1

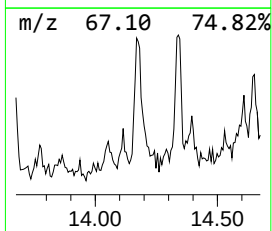
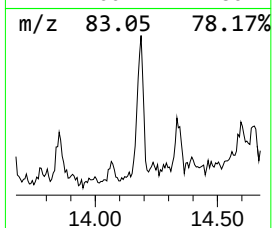
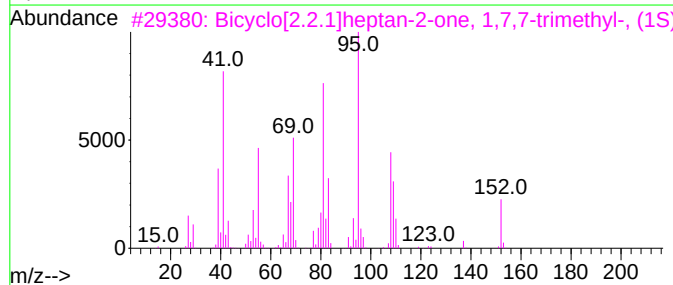
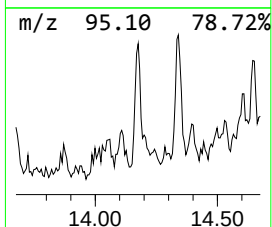
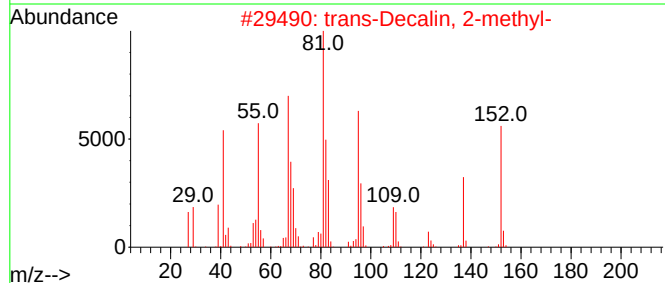
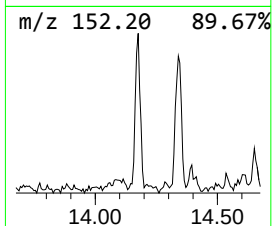
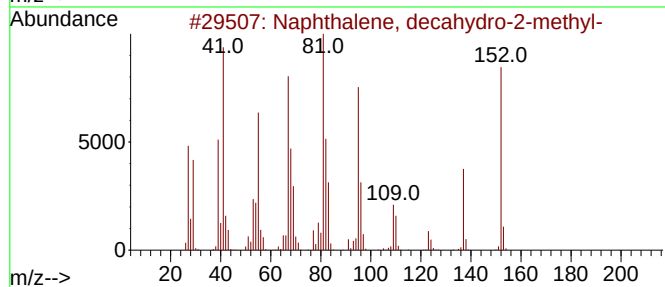
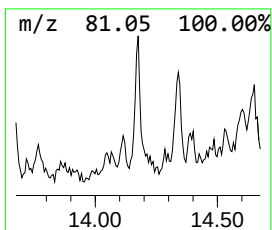
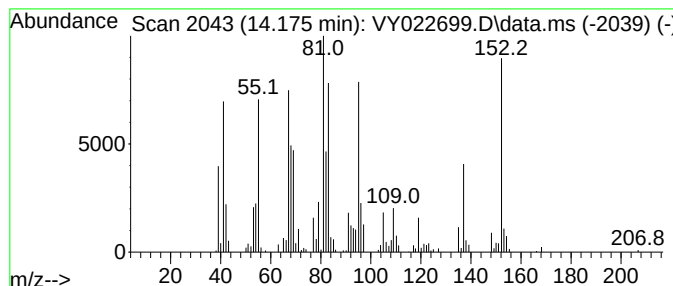
Instrument :
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ClientSampleId :
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Naphthalene, decahydro-2-me... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD		R.T.	
14.175	48.27 ug/l	223977	1,4-Dichlorobenzene-d4		13.346	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2-methyl-		152	C11H20	002958-76-1	93
2	trans-Decalin, 2-methyl-		152	C11H20	1000152-47-3	91
3	Bicyclo[2.2.1]heptan-2-one, 1,7,...		152	C10H16O	000464-48-2	76
4	(+) -2-Bornanone		152	C10H16O	000464-49-3	68
5	Cyclodecene, 1-methyl-		152	C11H20	066633-38-3	64



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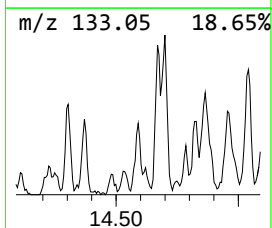
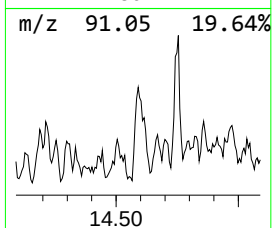
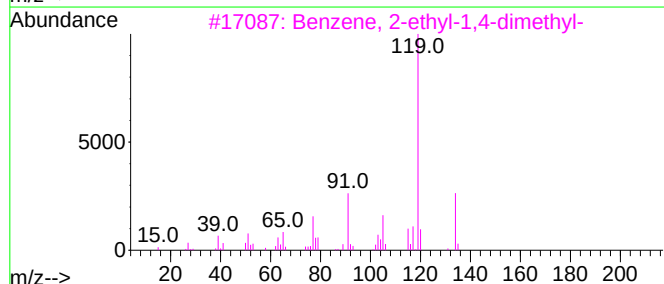
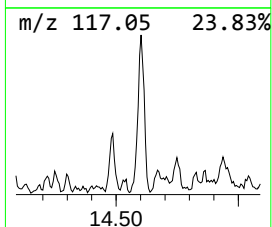
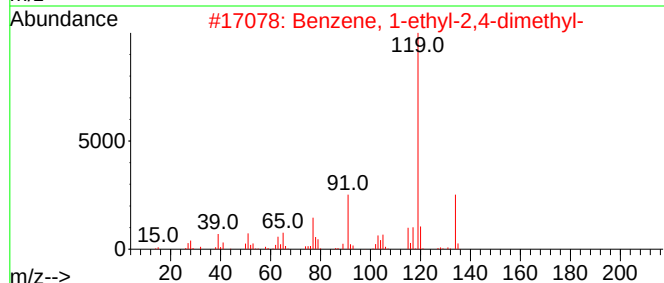
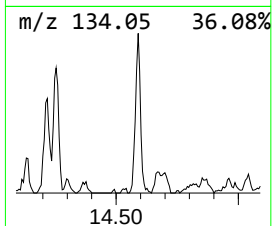
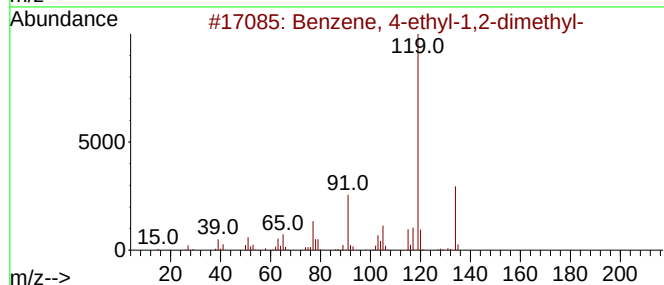
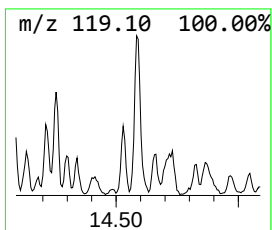
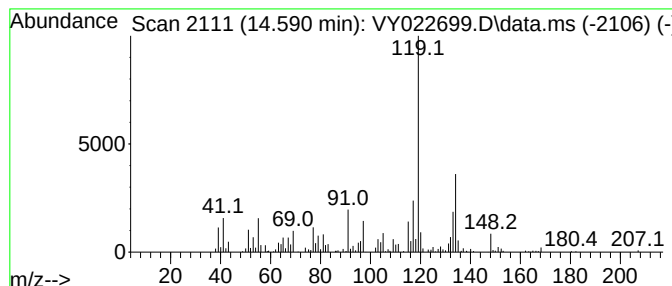
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.590	51.43 ug/l	238658	1,4-Dichlorobenzene-d4	13.346

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	70
2			Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	70
3			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	70
4			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	70
5			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	70



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ClientSampleId :
CHRT25653

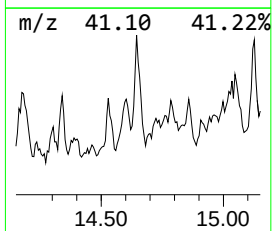
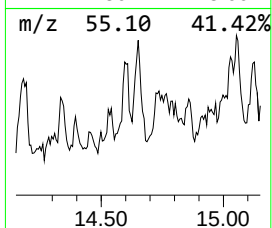
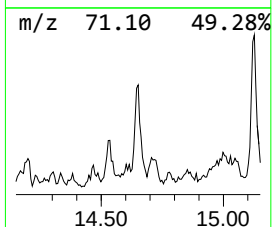
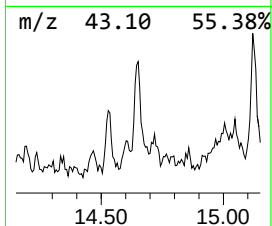
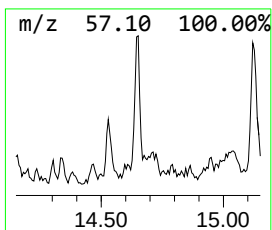
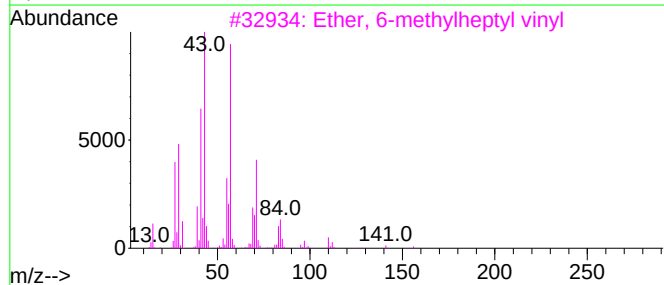
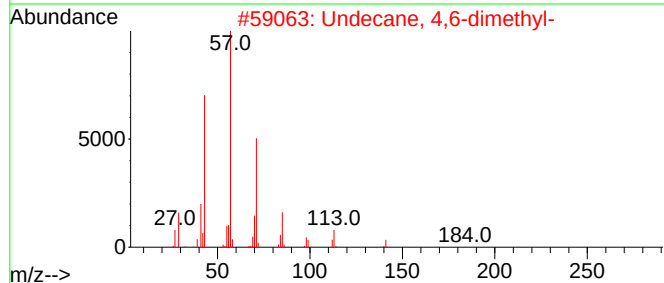
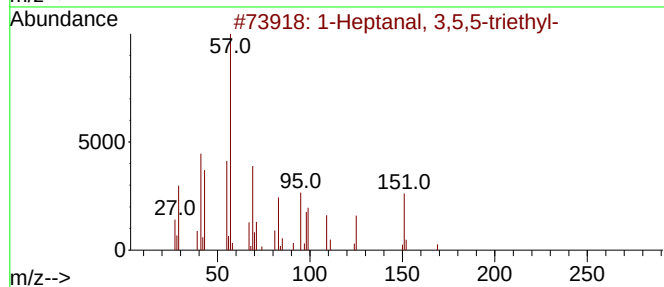
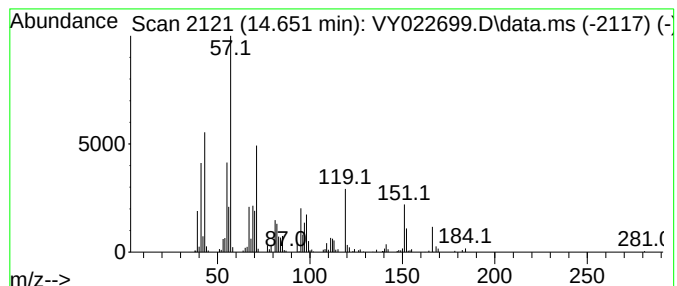
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 unknown14.651 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.651	31.64 ug/l	146830	1,4-Dichlorobenzene-d4	13.346

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Heptanal, 3,5,5-triethyl-	198	C13H26O	1000160-77-0	27
2			Undecane, 4,6-dimethyl-	184	C13H28	017312-82-2	22
3			Ether, 6-methylheptyl vinyl	156	C10H20O	010573-35-0	22
4			Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	22
5			Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	14



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061625\
Data File : VY022699.D
Acq On : 16 Jun 2025 11:22
Operator : SY/MD
Sample : Q2328-01
Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 6 Sample Multiplier: 1

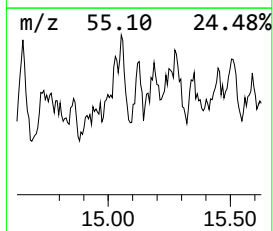
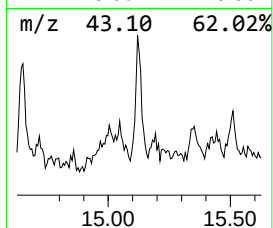
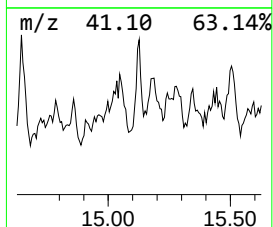
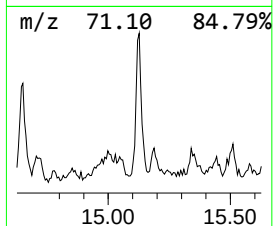
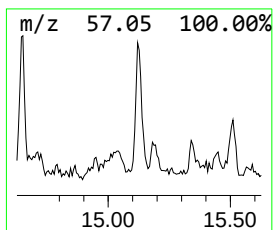
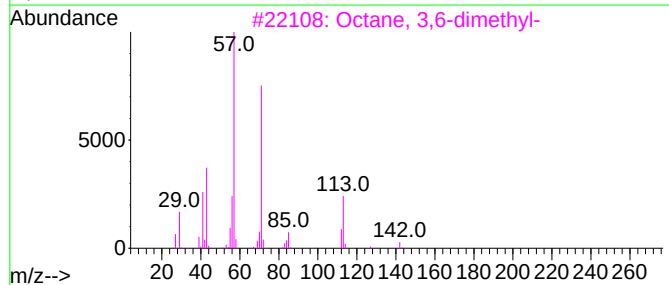
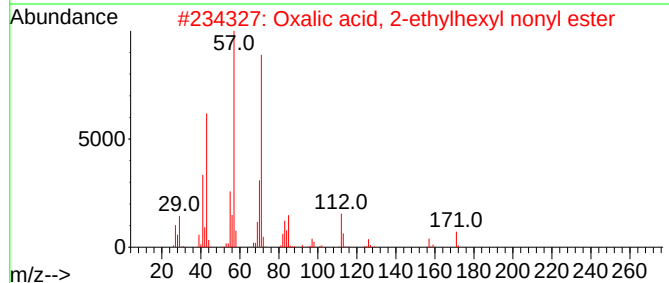
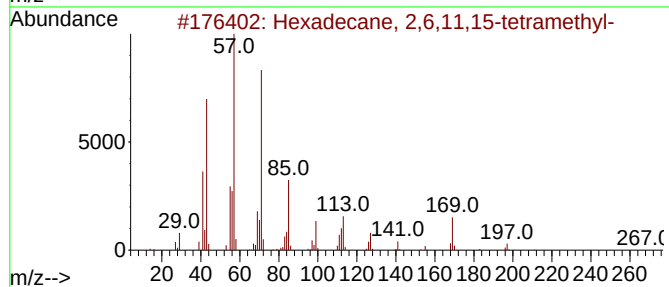
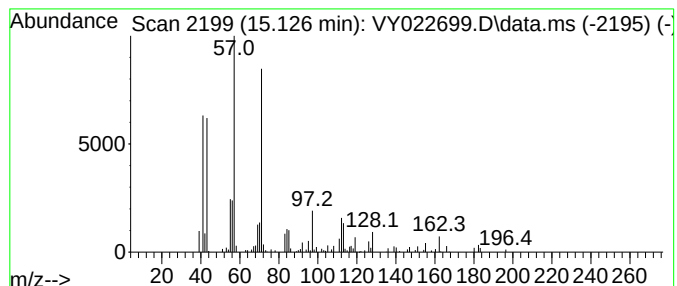
Instrument :
MSVOA_Y
ClientSampleId :
CHRT25653

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Hexadecane, 2,6,11,15-tetra... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.127	19.40 ug/l	90048	1,4-Dichlorobenzene-d4	13.346	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 2,6,11,15-tetramethyl-	282	C20H42	000504-44-9	64
2	Oxalic acid, 2-ethylhexyl nonyl ...	328	C19H36O4	1000309-39-2	59
3	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	59
4	Dodecane	170	C12H26	000112-40-3	53
5	Heptane, 3-ethyl-5-methyl-	142	C10H22	052896-90-9	52



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061625\
Data File : VY022699.D
Acq On : 16 Jun 2025 11:22
Operator : SY/MD
Sample : Q2328-01
Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 6 Sample Multiplier: 1

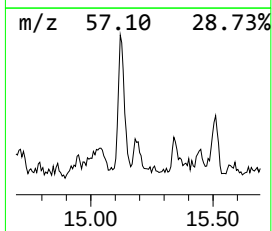
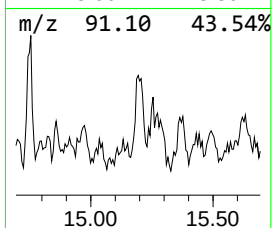
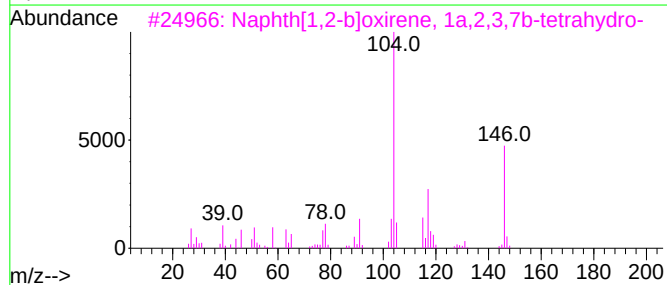
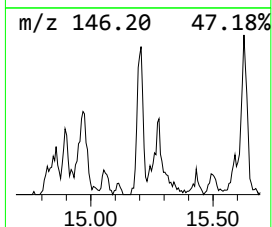
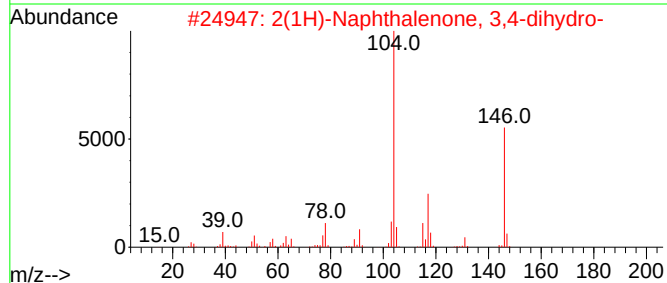
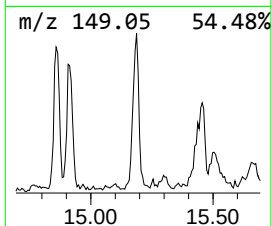
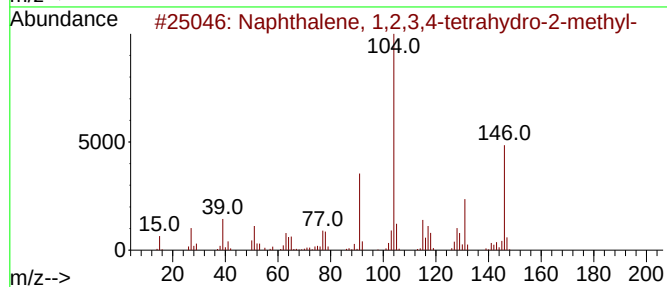
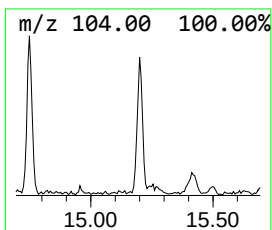
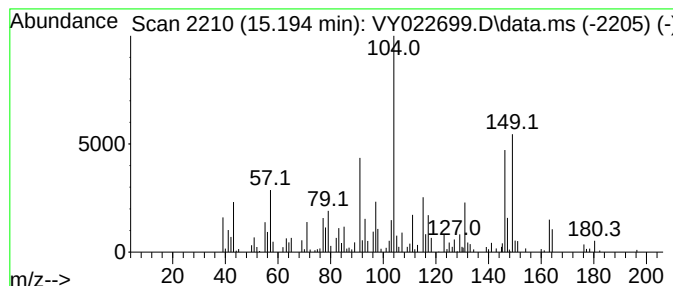
Instrument :
MSVOA_Y
ClientSampleId :
CHRT25653

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Naphthalene, 1,2,3,4-tetra... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD			R.T.
15.194	29.26 ug/l	135800	1,4-Dichlorobenzene-d4			13.346
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...		146	C11H14	003877-19-8	60
2	2(1H)-Naphthalenone, 3,4-dihydro-		146	C10H10O	000530-93-8	49
3	Naphth[1,2-b]oxirene, 1a,2,3,7b-...		146	C10H10O	002461-34-9	38
4	2-Methylenetricyclo[4.3.1.0(3,8)]...		146	C11H14	033566-64-2	35
5	Naphthalene, 2-ethyl-1,2,3,4-tet...		160	C12H16	032367-54-7	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061625\
Data File : VY022699.D
Acq On : 16 Jun 2025 11:22
Operator : SY/MD
Sample : Q2328-01
Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
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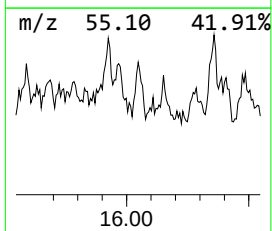
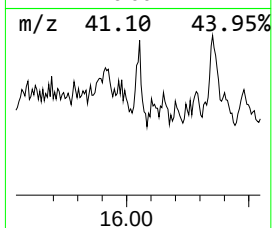
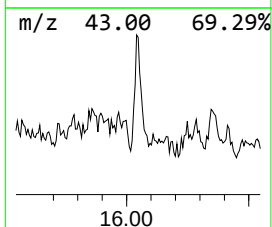
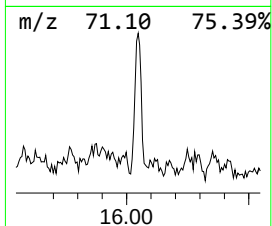
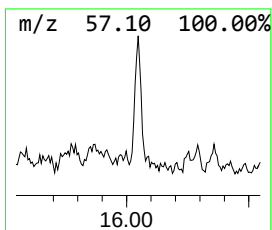
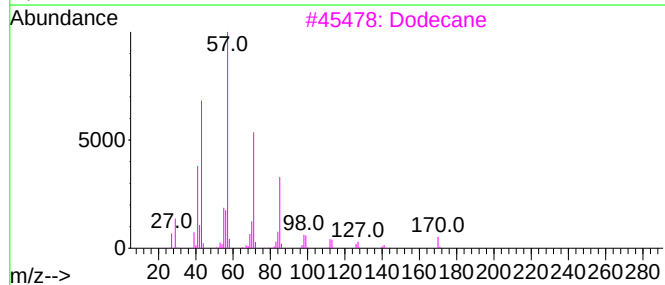
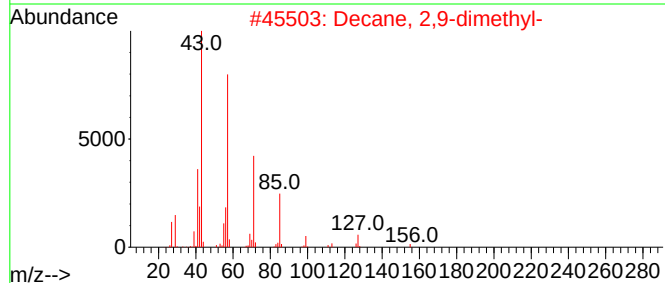
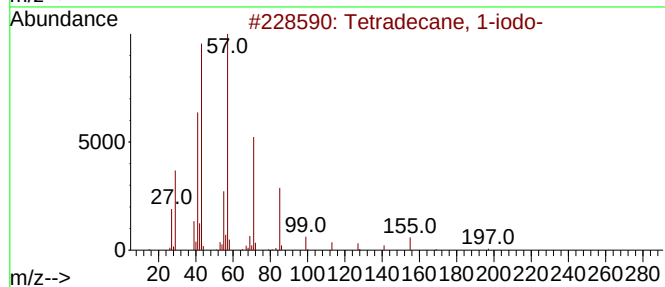
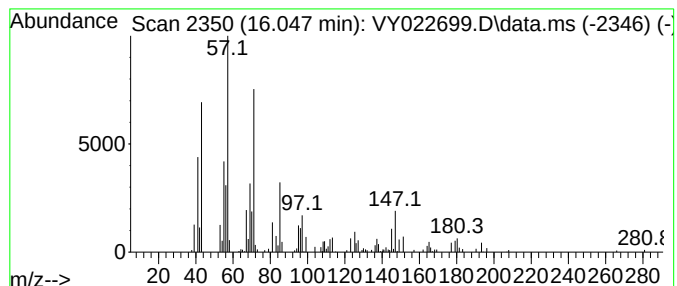
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 unknown16.047 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.047	19.99 ug/l	92782	1,4-Dichlorobenzene-d4	13.346

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	43
2			Decane, 2,9-dimethyl-	170	C12H26	001002-17-1	43
3			Dodecane	170	C12H26	000112-40-3	43
4			Tridecane	184	C13H28	000629-50-5	43
5			Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061625\
Data File : VY022699.D
Acq On : 16 Jun 2025 11:22
Operator : SY/MD
Sample : Q2328-01
Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 6 Sample Multiplier: 1

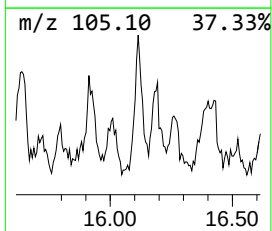
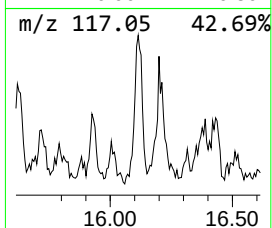
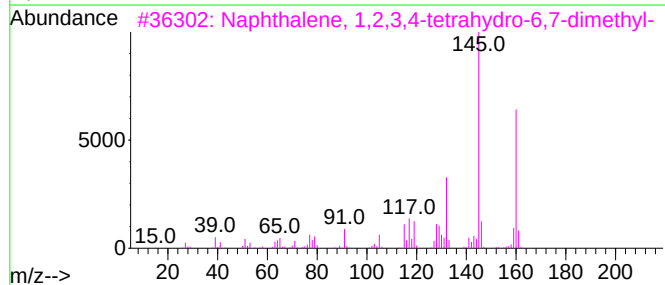
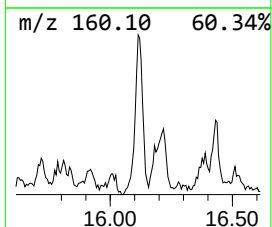
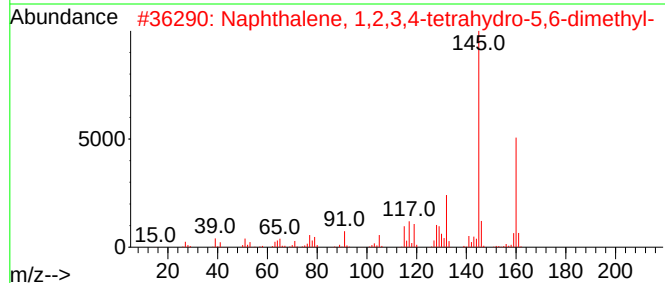
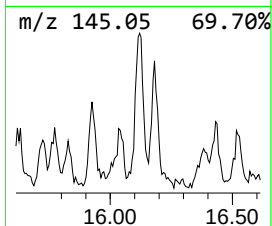
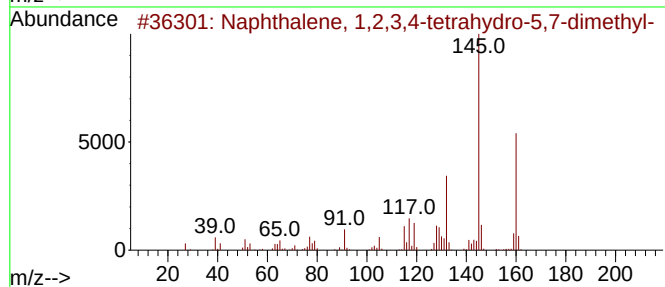
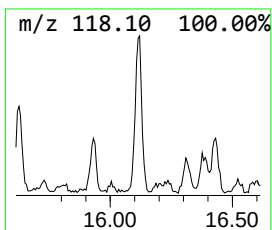
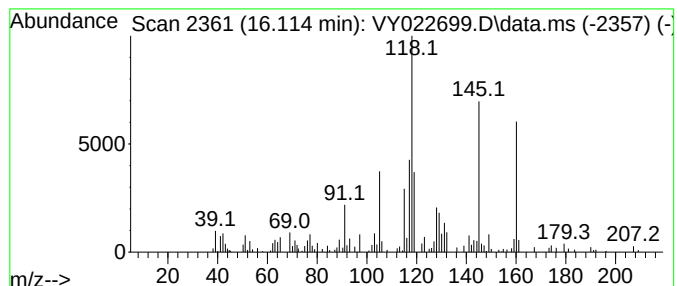
Instrument :
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ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Naphthalene, 1,2,3,4-tetrahydro-... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD			R.T.
16.114	23.11 ug/l	107239	1,4-Dichlorobenzene-d4			13.346
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...		160	C12H16	021693-54-9	78
2	Naphthalene, 1,2,3,4-tetrahydro-...		160	C12H16	020027-77-4	78
3	Naphthalene, 1,2,3,4-tetrahydro-...		160	C12H16	001076-61-5	60
4	Benzene, 4-(2-butenyl)-1,2-dimet...		160	C12H16	054340-86-2	58
5	Benzene, 1-(2-butenyl)-2,3-dimet...		160	C12H16	054340-85-1	55



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061625\
Data File : VY022699.D
Acq On : 16 Jun 2025 11:22
Operator : SY/MD
Sample : Q2328-01
Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
CHRT25653

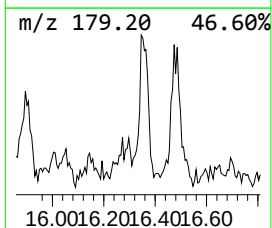
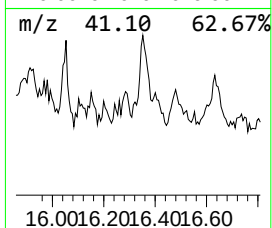
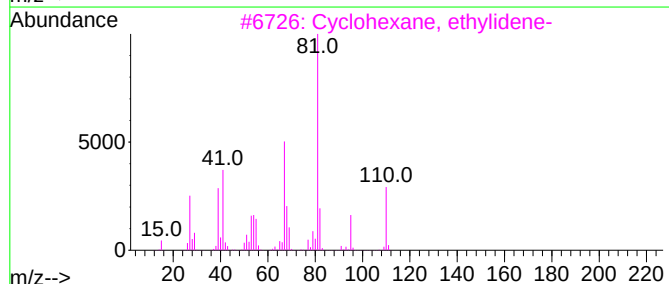
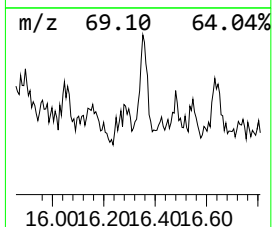
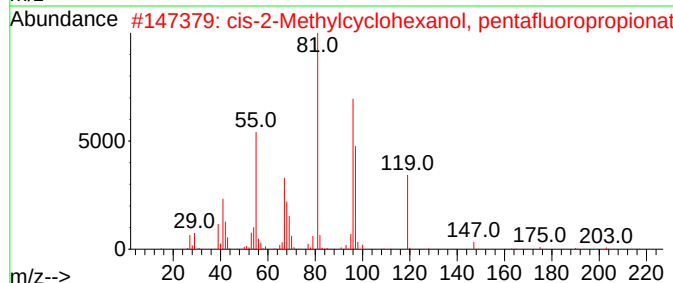
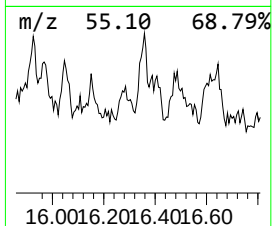
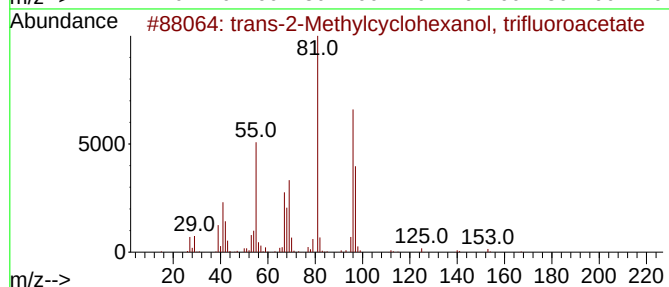
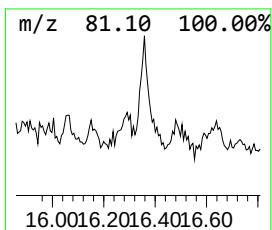
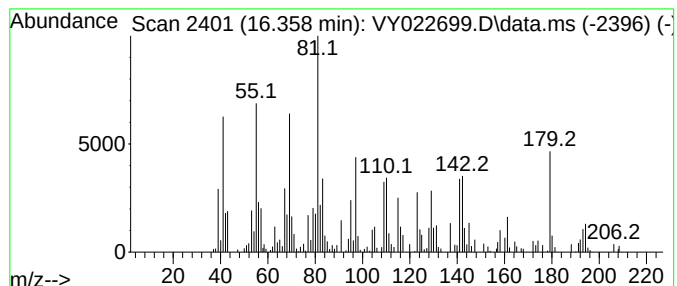
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 unknown16.358 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.358	37.63 ug/l	174624	1,4-Dichlorobenzene-d4	13.346

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			trans-2-Methylcyclohexanol, trif...	210	C9H13F3O2	1000364-13-3	27
2			cis-2-Methylcyclohexanol, penta...	260	C10H13F5O2	1010364-12-4	27
3			Cyclohexane, ethylidene-	110	C8H14	001003-64-1	22
4			Cyclohexene,3-(1-methylpropyl)-	138	C10H18	015232-91-4	22
5			1-Chlorosulfonyl-3-methyl-1-azas...	251	C9H14ClNO3S	016933-89-4	22



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061625\
Data File : VY022699.D
Acq On : 16 Jun 2025 11:22
Operator : SY/MD
Sample : Q2328-01
Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
CHRT25653

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
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Benzene, 1-meth...	13.999	35.8	ug/l	166202	4	13.346	232027	50.0
Naphthalene, de...	14.175	48.3	ug/l	223977	4	13.346	232027	50.0
Benzene, 4-ethy...	14.590	51.4	ug/l	238658	4	13.346	232027	50.0
unknown14.651	14.651	31.6	ug/l	146830	4	13.346	232027	50.0
Hexadecane, 2,6...	15.127	19.4	ug/l	90048	4	13.346	232027	50.0
Naphthalene, 1,...	15.194	29.3	ug/l	135800	4	13.346	232027	50.0
unknown16.047	16.047	20.0	ug/l	92782	4	13.346	232027	50.0
Naphthalene, 1,...	16.114	23.1	ug/l	107239	4	13.346	232027	50.0
unknown16.358	16.358	37.6	ug/l	174624	4	13.346	232027	50.0